



Synergy Resources Corporation

**SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 31N-14B-S**

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	13,256.62	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	12,900.96	7,059.14	979.74	574.01	2.415	CC, ES, SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,256.62	7,101.00	2,025.89	1,638.42	5.229	CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	13,256.62	7,137.00	4,983.84	4,590.08	12.657	CC, ES, SF
ANDERSON #42-10(PR) - OH - OH	13,256.62	7,127.00	4,285.63	3,875.33	10.445	CC, ES, SF
ANDERSON/JANUARY #1(PR) - OH - OH	13,041.61	7,118.88	2,929.97	2,518.26	7.116	CC
ANDERSON/JANUARY #1(PR) - OH - OH	13,100.00	7,119.18	2,930.55	2,517.09	7.088	ES
ANDERSON/JANUARY #1(PR) - OH - OH	13,256.62	7,120.00	2,937.85	2,519.99	7.031	SF
BLACK GOLD #5(PR) - OH - OH	13,256.62	7,129.00	4,997.43	4,664.29	15.001	CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	13,256.62	7,110.00	5,356.32	5,046.55	17.291	CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	13,256.62	7,085.07	5,933.36	5,814.71	50.008	CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	13,256.62	7,111.00	4,265.82	3,946.92	13.377	CC, ES, SF
CARLSON #10-1(PA) - OH - OH	13,256.62	7,123.00	5,770.72	5,397.29	15.453	CC, ES, SF
CARLSON #14-1(PR) - OH - OH	9,299.87	7,135.71	102.28	5.86	1.061	Level 2, CC
CARLSON #14-1(PR) - OH - OH	9,300.00	7,135.71	102.28	5.84	1.061	Level 2, ES, SF
CARLSON #14-2(SI) - OH - OH	10,407.44	7,042.10	961.45	623.69	2.846	CC, ES, SF
Fagerberg 11C-7-M - OH - OH	2,035.75	1,948.55	223.85	204.73	11.708	CC, ES
Fagerberg 11C-7-M - OH - OH	2,100.00	1,997.39	227.52	207.80	11.537	SF
Fagerberg 11N-7A-M - OH - OH	1,810.34	1,753.95	221.92	204.03	12.403	CC, ES
Fagerberg 11N-7A-M - OH - OH	1,900.00	1,828.93	227.42	208.68	12.140	SF
Fagerberg 15N-7A-M - OH - OH	2,953.34	2,804.35	57.57	27.36	1.906	CC, ES, SF
Fagerberg 23N-7C-M - OH - OH	2,687.69	2,541.45	21.07	-5.81	0.784	Level 1, CC, ES, SF
Fagerberg 25N(S)-7B-M - OH - OH	1,845.29	1,772.31	288.55	270.61	16.082	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	1,900.00	1,813.60	290.70	272.23	15.737	SF
Fagerberg 25N-7B-M - OH - OH	1,610.01	1,568.06	352.10	335.88	21.712	CC
Fagerberg 25N-7B-M - OH - OH	1,613.50	1,570.55	352.11	335.86	21.667	ES
Fagerberg 25N-7B-M - OH - OH	1,700.00	1,634.60	357.57	340.50	20.946	SF
Fagerberg 25N-7C-M - OH - OH	1,697.98	1,643.14	332.45	315.96	20.168	CC
Fagerberg 25N-7C-M - OH - OH	1,700.00	1,644.54	332.45	315.95	20.145	ES
Fagerberg 25N-7C-M - OH - OH	1,800.00	1,718.80	339.61	322.17	19.475	SF
Fagerberg 28N-18B-M - OH - OH	3,899.58	3,647.28	338.83	297.61	8.221	CC
Fagerberg 28N-18B-M - OH - OH	4,000.00	3,741.13	340.23	297.48	7.959	ES
Fagerberg 28N-18B-M - OH - OH	4,400.00	4,121.46	370.68	321.94	7.606	SF
Fagerberg 36C-7-M - OH - OH	3,659.58	3,435.35	215.76	177.50	5.640	CC
Fagerberg 36C-7-M - OH - OH	3,700.00	3,473.54	216.20	177.27	5.554	ES
Fagerberg 36C-7-M - OH - OH	3,800.00	3,569.25	220.05	179.55	5.433	SF

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

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Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
Falken 9-11 PAD						
Fagerberg 36N-7B-M - OH - OH	3,311.37	3,112.83	97.47	63.42	2.863	CC, ES, SF
Fagerberg 3C-18-M - OH - OH	3,854.97	3,664.63	166.55	126.23	4.131	CC
Fagerberg 3C-18-M - OH - OH	3,900.00	3,707.72	166.99	125.82	4.056	ES
Fagerberg 3C-18-M - OH - OH	8,050.00	7,492.44	217.97	135.25	2.635	SF
Fagerberg 6C-7-M - OH - OH	2,161.15	2,042.80	345.27	324.33	16.484	CC, ES
Fagerberg 6C-7-M - OH - OH	2,300.00	2,160.01	353.15	330.86	15.841	SF
Fagerberg 6N-7C-M - OH - OH	2,087.53	1,979.99	363.03	342.86	17.998	CC
Fagerberg 6N-7C-M - OH - OH	2,100.00	1,990.49	363.09	342.79	17.888	ES
Fagerberg 6N-7C-M - OH - OH	2,300.00	2,154.58	380.04	357.88	17.148	SF
Falken 16C-9-L - OH - Plan #1	300.00	300.00	120.22	113.33	17.450	CC, ES
Falken 16C-9-L - OH - Plan #1	13,256.62	12,952.55	1,830.62	1,489.96	5.374	SF
Falken 16N-9B-L - OH - Plan #1	557.86	566.05	100.83	92.93	12.770	CC
Falken 16N-9B-L - OH - Plan #1	600.00	609.00	100.93	92.82	12.444	ES
Falken 16N-9B-L - OH - Plan #1	13,256.62	12,813.81	1,559.92	1,219.64	4.584	SF
Falken 30C-14-S - OH - Plan #1	781.83	787.27	35.57	26.41	3.882	CC
Falken 30C-14-S - OH - Plan #1	900.00	905.96	36.23	26.26	3.634	ES
Falken 30C-14-S - OH - Plan #1	13,256.62	13,151.91	706.46	370.91	2.105	SF
Falken 30N-14B-S - OH - Plan #1	789.25	797.07	50.63	41.40	5.486	CC
Falken 30N-14B-S - OH - Plan #1	900.00	908.71	51.18	41.19	5.123	ES
Falken 30N-14B-S - OH - Plan #1	13,256.62	12,956.02	885.27	544.34	2.597	SF
Falken 31C-14-S - Plan #1 - Plan #1	300.00	300.00	14.94	8.05	2.168	CC
Falken 31C-14-S - Plan #1 - Plan #1	13,256.62	13,480.60	268.09	-1.56	0.994	Level 1, ES, SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	240.08	233.41	35.972	CC, ES
Falken 32C-9-L - OH - Plan #1	13,256.62	12,926.68	3,540.25	3,199.73	10.397	SF
Falken 32N-9B-L - OH - Plan #1	300.00	300.00	225.15	218.26	32.679	CC, ES
Falken 32N-9B-L - OH - Plan #1	13,256.62	12,746.43	3,328.72	2,988.11	9.773	SF
Falken 33C-9-L - OH - Plan #1	300.00	300.00	150.10	143.21	21.786	CC, ES
Falken 33C-9-L - OH - Plan #1	13,256.62	12,908.16	2,195.92	1,855.39	6.449	SF
Falken 33N-9A-L - OH - Plan #1	320.71	321.80	164.70	157.76	23.717	CC, ES
Falken 33N-9A-L - OH - Plan #1	13,256.62	12,607.34	2,583.47	2,243.89	7.608	SF
Falken 33N-9B-L - OH - Plan #1	300.00	300.00	179.97	173.08	26.121	CC, ES
Falken 33N-9B-L - OH - Plan #1	13,256.62	12,744.50	2,708.72	2,367.28	7.933	SF
Falken 33N-9C-L - OH - Plan #1	413.74	418.52	133.30	126.04	18.371	CC, ES
Falken 33N-9C-L - OH - Plan #1	13,256.62	12,836.11	2,073.82	1,732.63	6.078	SF
Falken 34C-9-L - OH - Plan #1	300.00	300.00	89.99	83.10	13.061	CC
Falken 34C-9-L - OH - Plan #1	400.00	402.31	90.26	83.06	12.533	ES
Falken 34C-9-L - OH - Plan #1	13,256.62	13,015.30	1,377.75	1,037.26	4.046	SF
Falken 34N-9C-L - OH - Plan #1	611.35	618.18	69.43	61.26	8.501	CC
Falken 34N-9C-L - OH - Plan #1	700.00	707.92	69.86	61.20	8.062	ES
Falken 34N-9C-L - OH - Plan #1	13,256.62	12,932.01	1,243.19	902.31	3.647	SF
Falken 4N-14A-S - OH - Plan #1	300.00	300.00	30.24	23.35	4.389	CC
Falken 4N-14A-S - OH - Plan #1	900.00	905.43	32.16	22.23	3.238	ES
Falken 4N-14A-S - OH - Plan #1	13,256.62	13,000.00	468.44	142.17	1.436	Level 3, SF
Falken 4N-14C-S - OH - Plan #1	611.47	612.39	7.83	-0.28	0.965	Level 1, CC
Falken 4N-14C-S - OH - Plan #1	13,256.62	13,208.58	235.03	-100.34	0.701	Level 1, ES, SF
Falken 9C-9-L - OH - Plan #1	265.64	265.64	195.28	188.48	28.708	CC
Falken 9C-9-L - OH - Plan #1	300.00	299.99	195.28	188.39	28.354	ES
Falken 9C-9-L - OH - Plan #1	13,256.62	13,017.64	3,028.46	2,684.53	8.805	SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	210.21	203.54	31.497	CC, ES
Falken 9N-9C-L - OH - Plan #1	13,256.62	12,722.84	3,247.43	2,908.27	9.575	SF
GILLESPIE #11-1(PA) - OH - OH	300.00	304.00	2,367.94	2,355.04	183.572	CC

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Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured	Offset Measured	Distance		Separation Factor	Warning
	Depth (ft)	Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
Falken 9-11 PAD						
GILLESPIE #11-1(PA) - OH - OH	400.00	404.02	2,369.58	2,353.20	144.638	ES
GILLESPIE #11-1(PA) - OH - OH	11,600.00	7,084.33	4,507.01	4,137.90	12.211	SF
Harvesters Resources #15M-303(PR) - OH - OH	13,256.62	7,768.40	2,990.61	2,906.96	35.752	CC, ES, SF
Harvesters Resources #15M-423(PR) - OH - OH	13,256.62	8,209.53	2,651.94	2,557.33	28.030	CC, ES, SF
Harvesters Resources #15R-243(PR) - OH - OH	13,256.62	7,790.30	2,163.78	2,079.86	25.784	CC, ES, SF
Harvesters Resources #15R-323(PR) - OH - OH	13,256.62	7,855.88	1,507.15	1,424.35	18.204	CC, ES, SF
Harvesters Resources #15R-403(PR) - OH - OH	13,256.62	7,956.11	1,843.80	1,759.36	21.834	CC, ES, SF
Harvesters Resources #15U-203(PR) - OH - OH	13,256.62	7,767.50	629.34	547.68	7.707	CC, ES, SF
Harvesters Resources #15U-443(PR) - OH - OH	13,256.62	7,910.15	1,104.76	1,021.71	13.303	CC, ES, SF
J.R. #1(PA) - OH - OH	300.00	206.00	1,592.77	1,582.97	162.489	CC
J.R. #1(PA) - OH - OH	400.00	305.98	1,594.44	1,581.33	121.569	ES
J.R. #1(PA) - OH - OH	10,300.00	6,987.54	4,465.70	4,132.94	13.420	SF
Jeff #1 - OH - OH	11,725.80	7,079.56	533.15	374.10	3.352	CC, ES
Jeff #1 - OH - OH	11,800.00	7,080.13	538.28	377.18	3.341	SF
JOHNSON #1(PA) - OH - OH	10,384.34	7,045.25	1,810.48	1,687.67	14.742	CC
JOHNSON #1(PA) - OH - OH	10,400.00	7,045.38	1,810.55	1,687.26	14.685	ES
JOHNSON #1(PA) - OH - OH	10,900.00	7,049.56	1,882.48	1,746.98	13.892	SF
JOHNSON #11-16G6(TA) - OH - OH	1,511.93	1,457.10	948.93	891.92	16.645	CC
JOHNSON #11-16G6(TA) - OH - OH	1,700.00	1,626.53	952.43	888.36	14.866	ES
JOHNSON #11-16G6(TA) - OH - OH	9,700.00	7,059.40	2,058.72	1,737.21	6.403	SF
JOHNSON #2(PA) - OH - OH	0.00	0.00	539.59			
JOHNSON #2(PA) - OH - OH	10,600.00	7,080.75	3,342.19	3,217.08	26.714	SF
KRISTY #1(PA) - OH - OH	12,968.42	7,084.41	498.79	305.60	2.582	CC
KRISTY #1(PA) - OH - OH	13,000.00	7,084.51	499.79	305.54	2.573	ES, SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	13,256.62	11,976.00	6,745.41	6,590.30	43.488	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	13,256.62	11,988.00	6,454.13	6,300.57	42.030	CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	13,256.62	11,790.00	6,712.93	6,559.22	43.670	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,490.51	7,061.53	371.31	30.71	1.090	Level 2, CC
MICHAEL I #14-2 - OH - OH	10,500.00	7,061.58	371.43	30.37	1.089	Level 2, ES, SF
Montera #10-33(PR) - OH - OH	13,256.62	7,114.00	3,944.34	3,561.23	10.296	CC, ES, SF
Montera #10-34(PR) - OH - OH	13,256.62	7,101.00	3,064.86	2,731.62	9.197	CC, ES, SF
Montera #10-43(SI) - OH - OH	13,256.62	7,107.00	3,227.31	2,819.92	7.922	CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,901.60	7,105.91	2,903.63	2,523.76	7.644	CC
MONTERA I #11-11(PR) - OH - OH	12,000.00	7,106.43	2,905.29	2,522.51	7.590	ES
MONTERA I #11-11(PR) - OH - OH	12,400.00	7,108.52	2,946.09	2,553.03	7.495	SF
MONTERA I #11-14(PR) - OH - OH	11,590.44	7,086.28	1,727.42	1,356.70	4.660	CC
MONTERA I #11-14(PR) - OH - OH	11,600.00	7,086.33	1,727.45	1,356.42	4.656	ES
MONTERA I #11-14(PR) - OH - OH	11,800.00	7,087.38	1,740.09	1,363.48	4.620	SF
MONTERA I #14-8 - OH - OH	8,873.21	7,052.07	1,145.01	843.34	3.796	CC, ES
MONTERA I #14-8 - OH - OH	8,900.00	7,052.21	1,145.32	843.37	3.793	SF
OPAL #1(PA) - OH - OH	13,060.70	7,135.98	4,310.64	3,897.80	10.441	CC
OPAL #1(PA) - OH - OH	13,200.00	7,136.70	4,312.89	3,895.99	10.345	ES
OPAL #1(PA) - OH - OH	13,256.62	7,137.00	4,315.09	3,896.59	10.311	SF
OTTOSON #2(PA) - OH - OH	7,806.23	7,012.05	874.71	805.45	12.630	CC, ES, SF
OTTOSON #3(PR) - OH - OH	3,987.12	3,663.82	413.37	372.22	10.045	CC
OTTOSON #3(PR) - OH - OH	4,000.00	3,675.53	413.40	372.11	10.012	ES
OTTOSON #3(PR) - OH - OH	4,200.00	3,857.33	422.70	379.48	9.782	SF
OTTOSON I #12-12(PR) - OH - OH	578.91	529.75	988.16	980.33	126.128	CC
OTTOSON I #12-12(PR) - OH - OH	700.00	640.56	988.62	980.19	117.279	ES
OTTOSON I #12-12(PR) - OH - OH	9,500.00	7,076.48	3,430.02	3,329.37	34.078	SF
OTTOSON I #12-25(PR) - OH - OH	2,844.52	2,559.73	1,429.05	1,400.83	50.645	CC

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OTTOSON I #12-25(PR) - OH - OH	2,900.00	2,606.85	1,429.30	1,400.48	49.593	ES
OTTOSON I #12-25(PR) - OH - OH	6,100.00	5,563.54	1,940.34	1,878.86	31.558	SF
POP I #14-17 - OH - OH	9,691.67	7,053.35	515.67	195.50	1.611	CC, ES, SF
SOUTH WOODS #10-3(PA) - OH - OH	13,256.62	7,107.00	4,860.05	4,505.33	13.701	CC, ES, SF
SOUTHARD #2(PR) - OH - OH	100.00	66.19	1,910.46	1,903.90	290.880	CC
SOUTHARD #2(PR) - OH - OH	305.56	279.61	1,910.67	1,903.80	277.840	ES
SOUTHARD #2(PR) - OH - OH	10,900.00	7,049.96	5,368.88	5,243.38	42.783	SF

Offset Design												Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-130.77	-3,656.54	-4,241.09	5,599.86				
100.00	100.00	64.00	64.00	3.28	3.47	-130.77	-3,656.54	-4,241.09	5,599.74	5,592.99	6.75	829.623	
200.00	200.00	164.00	164.00	3.34	5.16	-130.77	-3,656.54	-4,241.09	5,599.74	5,591.25	8.49	659.240	
300.00	300.00	264.00	264.00	3.44	8.16	-130.77	-3,656.54	-4,241.09	5,599.74	5,588.14	11.60	482.571	
400.00	399.98	363.98	363.98	3.60	11.44	75.77	-3,656.54	-4,241.09	5,599.31	5,584.27	15.04	372.368	
500.00	499.84	463.84	463.84	3.79	14.81	75.85	-3,656.54	-4,241.09	5,598.03	5,579.43	18.60	300.966	
600.00	599.45	563.45	563.45	4.02	18.22	75.97	-3,656.54	-4,241.09	5,595.90	5,573.66	22.24	251.618	
700.00	698.70	662.70	662.70	4.29	21.64	76.15	-3,656.54	-4,241.09	5,592.94	5,567.01	25.93	215.717	
800.00	797.47	761.47	761.47	4.59	25.05	76.38	-3,656.54	-4,241.09	5,589.18	5,559.54	29.65	188.526	
900.00	895.62	859.62	859.62	4.93	28.45	76.65	-3,656.54	-4,241.09	5,584.65	5,551.27	33.39	167.270	
1,000.00	993.06	957.06	957.06	5.31	31.83	76.97	-3,656.54	-4,241.09	5,579.39	5,542.25	37.14	150.223	
1,100.00	1,089.64	1,053.64	1,053.64	5.72	35.19	77.34	-3,656.54	-4,241.09	5,573.45	5,532.55	40.90	136.264	
1,200.00	1,185.27	1,149.27	1,149.27	6.16	38.52	77.75	-3,656.54	-4,241.09	5,566.87	5,522.20	44.67	124.633	
1,300.00	1,279.82	1,243.82	1,243.82	6.64	41.81	78.20	-3,656.54	-4,241.09	5,559.72	5,511.29	48.43	114.800	
1,400.00	1,373.17	1,337.17	1,337.17	7.16	45.05	78.69	-3,656.54	-4,241.09	5,552.05	5,499.86	52.19	106.383	
1,500.00	1,465.21	1,429.21	1,429.21	7.71	48.26	79.22	-3,656.54	-4,241.09	5,543.95	5,488.00	55.94	99.099	
1,600.00	1,555.84	1,519.84	1,519.84	8.31	51.42	79.78	-3,656.54	-4,241.09	5,535.48	5,475.79	59.69	92.737	
1,613.50	1,567.96	1,531.96	1,531.96	8.39	51.84	79.85	-3,656.54	-4,241.09	5,534.31	5,474.12	60.19	91.940	
1,700.00	1,645.53	1,609.53	1,609.53	8.93	54.54	80.21	-3,656.54	-4,241.09	5,526.94	5,463.51	63.44	87.124	
1,800.00	1,735.20	1,700.80	1,699.20	9.58	57.72	80.61	-3,656.54	-4,241.09	5,518.75	5,451.49	67.26	82.049	
1,900.00	1,824.87	1,788.87	1,788.87	10.25	60.79	81.02	-3,656.54	-4,241.09	5,510.89	5,439.90	70.99	77.628	
2,000.00	1,914.54	1,878.54	1,878.54	10.92	63.92	81.43	-3,656.54	-4,241.09	5,503.39	5,428.60	74.79	73.585	
2,100.00	2,004.21	1,968.21	1,968.21	11.61	67.05	81.84	-3,656.54	-4,241.09	5,496.22	5,417.62	78.60	69.926	
2,200.00	2,093.89	2,057.89	2,057.89	12.30	70.17	82.25	-3,656.54	-4,241.09	5,489.41	5,406.99	82.42	66.603	
2,300.00	2,183.56	2,147.56	2,147.56	13.01	73.30	82.66	-3,656.54	-4,241.09	5,482.94	5,396.70	86.25	63.571	
2,400.00	2,273.23	2,237.23	2,237.23	13.71	76.43	83.08	-3,656.54	-4,241.09	5,476.83	5,386.74	90.08	60.797	
2,500.00	2,362.90	2,326.90	2,326.90	14.43	79.55	83.49	-3,656.54	-4,241.09	5,471.06	5,377.14	93.93	58.249	
2,600.00	2,452.57	2,416.57	2,416.57	15.14	82.68	83.90	-3,656.54	-4,241.09	5,465.65	5,367.88	97.77	55.902	
2,700.00	2,542.25	2,506.25	2,506.25	15.87	85.81	84.32	-3,656.54	-4,241.09	5,460.59	5,358.97	101.62	53.733	
2,800.00	2,631.92	2,604.08	2,595.92	16.59	89.22	84.73	-3,656.54	-4,241.09	5,455.89	5,350.12	105.76	51.585	
2,900.00	2,721.59	2,685.59	2,685.59	17.32	92.07	85.15	-3,656.54	-4,241.09	5,451.54	5,342.20	109.34	49.859	
3,000.00	2,811.26	2,775.26	2,775.26	18.05	95.20	85.56	-3,656.54	-4,241.09	5,447.55	5,334.35	113.20	48.123	
3,100.00	2,900.93	2,864.93	2,864.93	18.78	98.32	85.98	-3,656.54	-4,241.09	5,443.91	5,326.85	117.07	46.503	
3,200.00	2,990.60	2,954.60	2,954.60	19.51	101.45	86.40	-3,656.54	-4,241.09	5,440.63	5,319.70	120.93	44.989	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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					
3,300.00	3,080.28	3,044.28	3,044.28	20.25	104.58	86.82	-3,656.54	-4,241.09	5,437.71	5,312.91	124.80	43.571					
3,400.00	3,169.95	3,133.95	3,133.95	20.99	107.71	87.23	-3,656.54	-4,241.09	5,435.15	5,306.48	128.67	42.240					
3,500.00	3,259.62	3,223.62	3,223.62	21.73	110.84	87.65	-3,656.54	-4,241.09	5,432.95	5,300.40	132.54	40.990					
3,600.00	3,349.29	3,313.29	3,313.29	22.47	113.97	88.07	-3,656.54	-4,241.09	5,431.11	5,294.69	136.42	39.812					
3,700.00	3,438.96	3,402.96	3,402.96	23.21	117.10	88.49	-3,656.54	-4,241.09	5,429.63	5,289.33	140.29	38.702					
3,800.00	3,528.64	3,507.36	3,492.64	23.95	120.74	88.91	-3,656.54	-4,241.09	5,428.50	5,283.82	144.68	37.520					
3,900.00	3,618.31	3,582.31	3,582.31	24.69	123.36	89.33	-3,656.54	-4,241.09	5,427.74	5,279.70	148.04	36.663					
4,000.00	3,707.98	3,671.98	3,671.98	25.44	126.49	89.75	-3,656.54	-4,241.09	5,427.34	5,275.42	151.92	35.725					
4,060.77	3,762.47	3,726.47	3,726.47	25.89	128.39	90.00	-3,656.54	-4,241.09	5,427.28	5,273.00	154.28	35.179					
4,100.00	3,797.65	3,761.65	3,761.65	26.18	129.62	90.16	-3,656.54	-4,241.09	5,427.30	5,271.51	155.80	34.836					
4,200.00	3,887.32	3,851.32	3,851.32	26.93	132.74	90.58	-3,656.54	-4,241.09	5,427.63	5,267.95	159.67	33.992					
4,300.00	3,976.99	3,940.99	3,940.99	27.68	135.87	91.00	-3,656.54	-4,241.09	5,428.31	5,264.76	163.55	33.190					
4,400.00	4,066.67	4,030.67	4,030.67	28.42	139.00	91.42	-3,656.54	-4,241.09	5,429.35	5,261.93	167.43	32.428					
4,500.00	4,156.34	4,120.34	4,120.34	29.17	142.13	91.84	-3,656.54	-4,241.09	5,430.76	5,259.45	171.30	31.702					
4,600.00	4,246.01	4,210.01	4,210.01	29.92	145.26	92.26	-3,656.54	-4,241.09	5,432.52	5,257.34	175.18	31.011					
4,700.00	4,335.68	4,300.32	4,299.68	30.67	148.42	92.68	-3,656.54	-4,241.09	5,434.65	5,255.57	179.08	30.348					
4,800.00	4,425.35	4,389.35	4,389.35	31.42	151.52	93.09	-3,656.54	-4,241.09	5,437.13	5,254.20	182.93	29.722					
4,900.00	4,515.03	4,479.03	4,479.03	32.17	154.65	93.51	-3,656.54	-4,241.09	5,439.97	5,253.17	186.81	29.121					
5,000.00	4,604.70	4,568.70	4,568.70	32.92	157.78	93.93	-3,656.54	-4,241.09	5,443.17	5,252.49	190.68	28.546					
5,100.00	4,694.37	4,658.37	4,658.37	33.67	160.91	94.35	-3,656.54	-4,241.09	5,446.73	5,252.18	194.55	27.996					
5,200.00	4,784.04	4,748.04	4,748.04	34.42	164.04	94.76	-3,656.54	-4,241.09	5,450.65	5,252.22	198.43	27.469					
5,300.00	4,873.71	4,837.71	4,837.71	35.17	167.17	95.18	-3,656.54	-4,241.09	5,454.92	5,252.62	202.30	26.965					
5,400.00	4,963.38	4,927.38	4,927.38	35.92	170.30	95.59	-3,656.54	-4,241.09	5,459.55	5,253.38	206.17	26.481					
5,500.00	5,053.06	5,017.06	5,017.06	36.67	173.43	96.01	-3,656.54	-4,241.09	5,464.53	5,254.50	210.04	26.017					
5,600.00	5,142.73	5,106.73	5,106.73	37.43	176.56	96.42	-3,656.54	-4,241.09	5,469.87	5,255.96	213.90	25.572					
5,700.00	5,232.40	5,203.60	5,196.40	38.18	179.94	96.84	-3,656.54	-4,241.09	5,475.56	5,257.54	218.02	25.115					
5,800.00	5,322.07	5,286.07	5,286.07	38.93	182.82	97.25	-3,656.54	-4,241.09	5,481.60	5,259.96	221.63	24.733					
5,900.00	5,411.74	5,375.74	5,375.74	39.68	185.95	97.66	-3,656.54	-4,241.09	5,487.99	5,262.49	225.50	24.337					
6,000.00	5,501.42	5,465.42	5,465.42	40.44	189.08	98.07	-3,656.54	-4,241.09	5,494.73	5,265.37	229.36	23.957					
6,100.00	5,591.09	5,555.09	5,555.09	41.19	192.21	98.48	-3,656.54	-4,241.09	5,501.81	5,268.60	233.22	23.591					
6,200.00	5,680.76	5,644.76	5,644.76	41.94	195.34	98.89	-3,656.54	-4,241.09	5,509.25	5,272.17	237.07	23.238					
6,300.00	5,770.43	5,734.43	5,734.43	42.70	198.47	99.30	-3,656.54	-4,241.09	5,517.03	5,276.10	240.93	22.899					
6,400.00	5,860.10	5,824.10	5,824.10	43.45	201.60	99.71	-3,656.54	-4,241.09	5,525.15	5,280.37	244.78	22.572					
6,500.00	5,949.77	5,913.77	5,913.77	44.20	204.73	100.11	-3,656.54	-4,241.09	5,533.61	5,284.98	248.64	22.256					
6,600.00	6,039.45	6,003.45	6,003.45	44.96	207.86	100.52	-3,656.54	-4,241.09	5,542.42	5,289.93	252.49	21.951					
6,700.00	6,129.12	6,106.88	6,093.12	45.71	211.47	100.92	-3,656.54	-4,241.09	5,551.56	5,294.75	256.81	21.617					
6,800.00	6,218.79	6,182.79	6,182.79	46.46	214.12	101.33	-3,656.54	-4,241.09	5,561.04	5,300.86	260.18	21.374					
6,900.00	6,308.46	6,272.46	6,272.46	47.22	217.25	101.73	-3,656.54	-4,241.09	5,570.86	5,306.84	264.02	21.100					
6,969.86	6,371.11	6,335.11	6,335.11	47.75	219.44	102.01	-3,656.54	-4,241.09	5,577.92	5,311.21	266.71	20.914					
7,000.00	6,398.25	6,362.25	6,362.25	47.97	220.39	96.95	-3,656.54	-4,241.09	5,580.32	5,312.45	267.86	20.833					
7,050.00	6,443.70	6,407.70	6,407.70	48.31	221.97	87.68	-3,656.54	-4,241.09	5,581.29	5,311.52	269.77	20.689					
7,100.00	6,489.42	6,453.42	6,453.42	48.61	223.57	77.70	-3,656.54	-4,241.09	5,578.50	5,306.84	271.66	20.535					
7,150.00	6,535.12	6,500.88	6,499.12	48.87	225.22	67.68	-3,656.54	-4,241.09	5,571.95	5,298.38	273.57	20.368					
7,200.00	6,580.53	6,544.53	6,544.53	49.09	226.75	58.25	-3,656.54	-4,241.09	5,561.68	5,286.37	275.31	20.202					
7,250.00	6,625.36	6,589.36	6,589.36	49.27	228.31	49.84	-3,656.54	-4,241.09	5,547.74	5,270.69	277.05	20.024					
7,300.00	6,669.35	6,633.35	6,633.35	49.42	229.85	42.58	-3,656.54	-4,241.09	5,530.20	5,251.48	278.72	19.841					
7,350.00	6,712.21	6,676.21	6,676.21	49.55	231.34	36.41	-3,656.54	-4,241.09	5,509.17	5,228.84	280.33	19.653					
7,400.00	6,753.69	6,717.69	6,717.69	49.65	232.79	31.18	-3,656.54	-4,241.09	5,484.75	5,202.90	281.86	19.459					
7,450.00	6,793.52	6,757.52	6,757.52	49.73	234.18	26.68	-3,656.54	-4,241.09	5,457.10	5,173.80	283.31	19.262					
7,500.00	6,831.47	6,804.53	6,795.47	49.81	235.82	22.74	-3,656.54	-4,241.09	5,426.38	5,141.39	284.99	19.041					
7,550.00	6,867.30	6,831.30	6,831.30	49.88	236.76	19.17	-3,656.54	-4,241.09	5,392.76	5,106.81	285.95	18.859					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
7,600.00	6,900.78	6,864.78	6,864.78	49.95	237.93	15.81	-3,656.54	-4,241.09	5,356.44	5,069.31	287.13	18.655			
7,650.00	6,931.72	6,904.28	6,895.72	50.03	239.31	12.49	-3,656.54	-4,241.09	5,317.65	5,029.12	288.52	18.431			
7,700.00	6,959.92	6,923.92	6,923.92	50.11	239.99	9.01	-3,656.54	-4,241.09	5,276.61	4,987.39	289.21	18.245			
7,750.00	6,985.20	6,949.20	6,949.20	50.20	240.87	5.13	-3,656.54	-4,241.09	5,233.57	4,943.47	290.10	18.040			
7,800.00	7,007.41	6,971.41	6,971.41	50.30	241.65	0.47	-3,656.54	-4,241.09	5,188.80	4,897.92	290.89	17.838			
7,850.00	7,026.42	7,009.58	6,990.42	50.42	242.98	-5.56	-3,656.54	-4,241.09	5,142.58	4,850.35	292.23	17.598			
7,900.00	7,042.11	7,006.11	7,006.11	50.57	242.86	-13.96	-3,656.54	-4,241.09	5,095.18	4,803.05	292.13	17.442			
7,950.00	7,054.37	7,018.37	7,018.37	50.73	243.29	-26.36	-3,656.54	-4,241.09	5,046.90	4,754.32	292.58	17.249			
8,000.00	7,063.14	7,027.14	7,027.14	50.92	243.59	-44.72	-3,656.54	-4,241.09	4,998.05	4,705.12	292.93	17.062			
8,050.00	7,068.36	7,032.36	7,032.36	51.13	243.78	-68.36	-3,656.54	-4,241.09	4,948.93	4,655.77	293.16	16.881			
8,094.17	7,070.00	7,034.00	7,034.00	51.34	243.83	-88.53	-3,656.54	-4,241.09	4,905.56	4,612.29	293.27	16.727			
8,100.00	7,070.03	7,034.03	7,034.03	51.37	243.83	-88.53	-3,656.54	-4,241.09	4,899.85	4,606.57	293.28	16.707			
8,200.00	7,070.55	7,034.55	7,034.55	51.94	243.85	-88.56	-3,656.54	-4,241.09	4,801.91	4,508.47	293.44	16.364			
8,300.00	7,071.07	7,035.07	7,035.07	52.64	243.87	-88.59	-3,656.54	-4,241.09	4,704.06	4,410.45	293.61	16.021			
8,400.00	7,071.60	7,035.60	7,035.60	53.49	243.89	-88.62	-3,656.54	-4,241.09	4,606.30	4,312.50	293.81	15.678			
8,500.00	7,072.12	7,036.12	7,036.12	54.50	243.91	-88.65	-3,656.54	-4,241.09	4,508.64	4,214.63	294.01	15.335			
8,600.00	7,072.64	7,036.64	7,036.64	55.69	243.93	-88.68	-3,656.54	-4,241.09	4,411.09	4,116.84	294.24	14.991			
8,700.00	7,073.17	7,037.17	7,037.17	57.04	243.94	-88.72	-3,656.54	-4,241.09	4,313.64	4,019.15	294.49	14.648			
8,800.00	7,073.69	7,037.69	7,037.69	58.55	243.96	-88.75	-3,656.54	-4,241.09	4,216.32	3,921.55	294.77	14.304			
8,900.00	7,074.21	7,038.21	7,038.21	60.21	243.98	-88.78	-3,656.54	-4,241.09	4,119.12	3,824.06	295.07	13.960			
9,000.00	7,074.74	7,038.74	7,038.74	61.99	244.00	-88.81	-3,656.54	-4,241.09	4,022.07	3,726.67	295.39	13.616			
9,100.00	7,075.26	7,039.26	7,039.26	63.88	244.02	-88.84	-3,656.54	-4,241.09	3,925.15	3,629.40	295.75	13.272			
9,200.00	7,075.78	7,039.78	7,039.78	65.87	244.04	-88.87	-3,656.54	-4,241.09	3,828.40	3,532.26	296.14	12.927			
9,300.00	7,076.30	7,040.30	7,040.30	67.95	244.05	-88.90	-3,656.54	-4,241.09	3,731.82	3,435.25	296.57	12.583			
9,400.00	7,076.83	7,040.83	7,040.83	70.09	244.07	-88.93	-3,656.54	-4,241.09	3,635.43	3,338.38	297.04	12.239			
9,500.00	7,077.35	7,041.35	7,041.35	72.30	244.09	-88.96	-3,656.54	-4,241.09	3,539.23	3,241.67	297.56	11.894			
9,600.00	7,077.87	7,041.87	7,041.87	74.57	244.11	-88.99	-3,656.54	-4,241.09	3,443.25	3,145.13	298.12	11.550			
9,700.00	7,078.40	7,042.40	7,042.40	76.88	244.13	-89.02	-3,656.54	-4,241.09	3,347.51	3,048.76	298.74	11.205			
9,800.00	7,078.92	7,042.92	7,042.92	79.24	244.15	-89.05	-3,656.54	-4,241.09	3,252.02	2,952.59	299.42	10.861			
9,900.00	7,079.44	7,043.44	7,043.44	81.63	244.16	-89.08	-3,656.54	-4,241.09	3,156.81	2,856.64	300.17	10.517			
10,000.00	7,079.97	7,043.97	7,043.97	84.06	244.18	-89.11	-3,656.54	-4,241.09	3,061.91	2,760.91	300.99	10.173			
10,100.00	7,080.49	7,044.49	7,044.49	86.52	244.20	-89.14	-3,656.54	-4,241.09	2,967.34	2,665.44	301.90	9.829			
10,200.00	7,081.01	7,045.01	7,045.01	89.01	244.22	-89.17	-3,656.54	-4,241.09	2,873.14	2,570.24	302.89	9.486			
10,300.00	7,081.54	7,045.54	7,045.54	91.52	244.24	-89.20	-3,656.54	-4,241.09	2,779.34	2,475.35	303.99	9.143			
10,400.00	7,082.06	7,046.06	7,046.06	94.05	244.25	-89.24	-3,656.54	-4,241.09	2,685.99	2,380.79	305.20	8.801			
10,500.00	7,082.58	7,046.58	7,046.58	96.61	244.27	-89.27	-3,656.54	-4,241.09	2,593.14	2,286.61	306.53	8.460			
10,600.00	7,083.10	7,047.10	7,047.10	99.18	244.29	-89.30	-3,656.54	-4,241.09	2,500.84	2,192.83	308.00	8.119			
10,700.00	7,083.63	7,047.63	7,047.63	101.77	244.31	-89.33	-3,656.54	-4,241.09	2,409.15	2,099.52	309.63	7.781			
10,800.00	7,084.15	7,048.15	7,048.15	104.38	244.33	-89.36	-3,656.54	-4,241.09	2,318.15	2,006.72	311.43	7.444			
10,900.00	7,084.67	7,048.67	7,048.67	107.00	244.35	-89.39	-3,656.54	-4,241.09	2,227.92	1,914.50	313.42	7.108			
11,000.00	7,085.20	7,049.20	7,049.20	109.63	244.36	-89.42	-3,656.54	-4,241.09	2,138.57	1,822.94	315.63	6.776			
11,100.00	7,085.72	7,049.72	7,049.72	112.27	244.38	-89.45	-3,656.54	-4,241.09	2,050.19	1,732.13	318.07	6.446			
11,200.00	7,086.24	7,050.24	7,050.24	114.93	244.40	-89.48	-3,656.54	-4,241.09	1,962.93	1,642.17	320.77	6.120			
11,300.00	7,086.77	7,050.77	7,050.77	117.59	244.42	-89.51	-3,656.54	-4,241.09	1,876.94	1,553.19	323.75	5.797			
11,400.00	7,087.29	7,051.29	7,051.29	120.27	244.44	-89.54	-3,656.54	-4,241.09	1,792.41	1,465.35	327.06	5.480			
11,500.00	7,087.81	7,051.81	7,051.81	122.95	244.46	-89.57	-3,656.54	-4,241.09	1,709.55	1,378.84	330.71	5.169			
11,600.00	7,088.33	7,052.33	7,052.33	125.64	244.47	-89.60	-3,656.54	-4,241.09	1,628.61	1,293.87	334.74	4.865			
11,700.00	7,088.86	7,052.86	7,052.86	128.34	244.49	-89.63	-3,656.54	-4,241.09	1,549.90	1,210.73	339.17	4.570			
11,800.00	7,089.38	7,053.38	7,053.38	131.05	244.51	-89.66	-3,656.54	-4,241.09	1,473.77	1,129.75	344.02	4.284			
11,900.00	7,089.90	7,053.90	7,053.90	133.76	244.53	-89.69	-3,656.54	-4,241.09	1,400.64	1,051.34	349.31	4.010			

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,000.00	7,090.43	7,054.43	7,054.43	136.49	244.55	-89.72	-3,656.54	-4,241.09	1,331.02	976.00	355.02	3.749		
12,100.00	7,090.95	7,054.95	7,054.95	139.21	244.57	-89.75	-3,656.54	-4,241.09	1,265.47	904.33	361.14	3.504		
12,200.00	7,091.47	7,055.47	7,055.47	141.94	244.58	-89.79	-3,656.54	-4,241.09	1,204.67	837.08	367.59	3.277		
12,300.00	7,092.00	7,056.00	7,056.00	144.68	244.60	-89.82	-3,656.54	-4,241.09	1,149.37	775.11	374.26	3.071		
12,400.00	7,092.52	7,056.52	7,056.52	147.42	244.62	-89.85	-3,656.54	-4,241.09	1,100.39	719.41	380.98	2.888		
12,500.00	7,093.04	7,057.04	7,057.04	150.17	244.64	-89.88	-3,656.54	-4,241.09	1,058.62	671.10	387.52	2.732		
12,600.00	7,093.57	7,057.57	7,057.57	152.92	244.66	-89.91	-3,656.54	-4,241.09	1,024.93	631.36	393.57	2.604		
12,700.00	7,094.09	7,058.09	7,058.09	155.67	244.67	-89.94	-3,656.54	-4,241.09	1,000.14	601.32	398.82	2.508		
12,800.00	7,094.61	7,058.61	7,058.61	158.43	244.69	-89.97	-3,656.54	-4,241.09	984.93	581.98	402.95	2.444		
12,900.00	7,095.13	7,059.13	7,059.13	161.19	244.71	-90.00	-3,656.54	-4,241.09	979.74	574.03	405.71	2.415		
12,900.96	7,095.14	7,059.14	7,059.14	161.22	244.71	-90.00	-3,656.54	-4,241.09	979.74	574.01	405.73	2.415 CC, ES, SF		
13,000.00	7,095.66	7,059.66	7,059.66	163.96	244.73	-90.03	-3,656.54	-4,241.09	984.74	577.77	406.97	2.420		
13,100.00	7,096.18	7,060.18	7,060.18	166.73	244.75	-90.06	-3,656.54	-4,241.09	999.76	593.04	406.72	2.458		
13,200.00	7,096.70	7,060.70	7,060.70	169.50	244.77	-90.09	-3,656.54	-4,241.09	1,024.36	619.26	405.11	2.529		
13,256.62	7,097.00	7,061.00	7,061.00	171.07	244.78	-90.11	-3,656.54	-4,241.09	1,042.30	638.62	403.67	2.582		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	2.00	3.28	3.28	-99.73	-977.51	-5,698.49	5,781.72					
100.00	100.00	102.00	102.00	3.28	3.75	-99.73	-977.51	-5,698.49	5,781.72	5,774.68	7.03	822.022		
200.00	200.00	202.00	202.00	3.34	6.24	-99.73	-977.51	-5,698.49	5,781.72	5,772.14	9.58	603.818		
300.00	300.00	302.00	302.00	3.44	9.39	-99.73	-977.51	-5,698.49	5,781.72	5,768.88	12.83	450.507		
400.00	399.98	401.98	401.98	3.60	12.72	106.78	-977.51	-5,698.49	5,782.22	5,765.91	16.31	354.444		
500.00	499.84	501.84	501.84	3.79	16.11	106.80	-977.51	-5,698.49	5,783.74	5,763.84	19.90	290.694		
600.00	599.45	601.45	601.45	4.02	19.53	106.84	-977.51	-5,698.49	5,786.27	5,762.72	23.55	245.746		
700.00	698.70	700.70	700.70	4.29	22.95	106.88	-977.51	-5,698.49	5,789.83	5,762.59	27.24	212.556		
800.00	797.47	800.53	799.47	4.59	26.41	106.94	-977.51	-5,698.49	5,794.43	5,763.43	31.00	186.920		
900.00	895.62	902.38	897.62	4.93	29.94	107.01	-977.51	-5,698.49	5,800.10	5,765.23	34.87	166.332		
1,000.00	993.06	1,004.94	995.06	5.31	33.50	107.09	-977.51	-5,698.49	5,806.85	5,768.05	38.80	149.642		
1,100.00	1,089.64	1,108.36	1,091.64	5.72	37.09	107.17	-977.51	-5,698.49	5,814.72	5,771.92	42.80	135.842		
1,200.00	1,185.27	1,187.27	1,187.27	6.16	39.84	107.27	-977.51	-5,698.49	5,823.74	5,777.75	45.99	126.636		
1,300.00	1,279.82	1,281.82	1,281.82	6.64	43.13	107.36	-977.51	-5,698.49	5,833.93	5,784.18	49.75	117.264		
1,400.00	1,373.17	1,375.17	1,375.17	7.16	46.38	107.46	-977.51	-5,698.49	5,845.34	5,791.83	53.51	109.244		
1,500.00	1,465.21	1,467.21	1,467.21	7.71	49.58	107.55	-977.51	-5,698.49	5,858.01	5,800.75	57.26	102.313		
1,600.00	1,555.84	1,557.84	1,557.84	8.31	52.74	107.64	-977.51	-5,698.49	5,871.97	5,810.98	60.99	96.274		
1,613.50	1,567.96	1,569.96	1,569.96	8.39	53.16	107.65	-977.51	-5,698.49	5,873.95	5,812.46	61.50	95.518		
1,700.00	1,645.53	1,647.53	1,647.53	8.93	55.87	107.98	-977.51	-5,698.49	5,886.87	5,822.14	64.73	90.950		
1,800.00	1,735.20	1,737.20	1,737.20	9.58	58.99	108.35	-977.51	-5,698.49	5,902.08	5,833.60	68.48	86.190		
1,900.00	1,824.87	1,826.87	1,826.87	10.25	62.12	108.72	-977.51	-5,698.49	5,917.57	5,845.33	72.24	81.914		
2,000.00	1,914.54	1,916.54	1,916.54	10.92	65.24	109.08	-977.51	-5,698.49	5,933.36	5,857.35	76.02	78.054		
2,100.00	2,004.21	2,006.21	2,006.21	11.61	68.37	109.45	-977.51	-5,698.49	5,949.44	5,869.64	79.80	74.554		
2,200.00	2,093.89	2,104.11	2,095.89	12.30	71.78	109.81	-977.51	-5,698.49	5,965.80	5,881.92	83.88	71.125		
2,300.00	2,183.56	2,185.56	2,185.56	13.01	74.62	110.18	-977.51	-5,698.49	5,982.44	5,895.05	87.39	68.460		
2,400.00	2,273.23	2,275.23	2,275.23	13.71	77.75	110.54	-977.51	-5,698.49	5,999.36	5,908.18	91.19	65.793		
2,500.00	2,362.90	2,364.90	2,364.90	14.43	80.88	110.90	-977.51	-5,698.49	6,016.56	5,921.58	94.99	63.340		
2,600.00	2,452.57	2,454.57	2,454.57	15.14	84.01	111.26	-977.51	-5,698.49	6,034.04	5,935.25	98.79	61.077		
2,700.00	2,542.25	2,544.25	2,544.25	15.87	87.14	111.61	-977.51	-5,698.49	6,051.79	5,949.19	102.60	58.983		
2,800.00	2,631.92	2,633.92	2,633.92	16.59	90.26	111.97	-977.51	-5,698.49	6,069.81	5,963.40	106.41	57.041		
2,900.00	2,721.59	2,723.59	2,723.59	17.32	93.39	112.32	-977.51	-5,698.49	6,088.10	5,977.88	110.22	55.235		
3,000.00	2,811.26	2,813.26	2,813.26	18.05	96.52	112.67	-977.51	-5,698.49	6,106.66	5,992.63	114.03	53.552		
3,100.00	2,900.93	2,902.93	2,902.93	18.78	99.65	113.02	-977.51	-5,698.49	6,125.48	6,007.63	117.84	51.980		
3,200.00	2,990.60	3,007.40	2,992.60	19.51	103.29	113.36	-977.51	-5,698.49	6,144.56	6,022.39	122.17	50.296		
3,300.00	3,080.28	3,082.28	3,082.28	20.25	105.91	113.71	-977.51	-5,698.49	6,163.90	6,038.43	125.46	49.129		
3,400.00	3,169.95	3,171.95	3,171.95	20.99	109.04	114.05	-977.51	-5,698.49	6,183.49	6,054.22	129.27	47.833		
3,500.00	3,259.62	3,261.62	3,261.62	21.73	112.17	114.40	-977.51	-5,698.49	6,203.34	6,070.26	133.08	46.613		
3,600.00	3,349.29	3,351.29	3,351.29	22.47	115.29	114.73	-977.51	-5,698.49	6,223.44	6,086.55	136.89	45.463		
3,700.00	3,438.96	3,440.96	3,440.96	23.21	118.42	115.07	-977.51	-5,698.49	6,243.79	6,103.09	140.70	44.377		
3,800.00	3,528.64	3,530.64	3,530.64	23.95	121.55	115.41	-977.51	-5,698.49	6,264.39	6,119.88	144.51	43.351		
3,900.00	3,618.31	3,620.31	3,620.31	24.69	124.68	115.74	-977.51	-5,698.49	6,285.23	6,136.92	148.31	42.379		
4,000.00	3,707.98	3,709.98	3,709.98	25.44	127.81	116.08	-977.51	-5,698.49	6,306.31	6,154.19	152.11	41.458		
4,100.00	3,797.65	3,800.35	3,799.65	26.18	130.97	116.41	-977.51	-5,698.49	6,327.63	6,171.69	155.94	40.577		
4,200.00	3,887.32	3,889.32	3,889.32	26.93	134.07	116.73	-977.51	-5,698.49	6,349.19	6,189.47	159.72	39.752		
4,300.00	3,976.99	3,978.99	3,978.99	27.68	137.20	117.06	-977.51	-5,698.49	6,370.98	6,207.46	163.52	38.962		
4,400.00	4,066.67	4,068.67	4,068.67	28.42	140.33	117.39	-977.51	-5,698.49	6,393.01	6,225.69	167.32	38.209		
4,500.00	4,156.34	4,158.34	4,158.34	29.17	143.46	117.71	-977.51	-5,698.49	6,415.26	6,244.15	171.11	37.491		
4,600.00	4,246.01	4,248.01	4,248.01	29.92	146.59	118.03	-977.51	-5,698.49	6,437.74	6,262.83	174.91	36.806		
4,700.00	4,335.68	4,337.68	4,337.68	30.67	149.72	118.35	-977.51	-5,698.49	6,460.45	6,281.75	178.70	36.152		
4,800.00	4,425.35	4,427.35	4,427.35	31.42	152.85	118.67	-977.51	-5,698.49	6,483.38	6,300.89	182.50	35.526		
4,900.00	4,515.03	4,517.03	4,517.03	32.17	155.98	118.98	-977.51	-5,698.49	6,506.53	6,320.25	186.29	34.928		

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Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,606.70	4,606.70	32.92	159.11	119.30	-977.51	-5,698.49	6,529.90	6,339.83	190.07	34.354					
5,100.00	4,694.37	4,703.63	4,696.37	33.67	162.49	119.61	-977.51	-5,698.49	6,553.48	6,359.37	194.11	33.761					
5,200.00	4,784.04	4,786.04	4,786.04	34.42	165.37	119.92	-977.51	-5,698.49	6,577.28	6,379.63	197.65	33.278					
5,300.00	4,873.71	4,875.71	4,875.71	35.17	168.50	120.22	-977.51	-5,698.49	6,601.29	6,399.86	201.43	32.772					
5,400.00	4,963.38	4,965.38	4,965.38	35.92	171.63	120.53	-977.51	-5,698.49	6,625.51	6,420.29	205.21	32.286					
5,500.00	5,053.06	5,055.06	5,055.06	36.67	174.76	120.83	-977.51	-5,698.49	6,649.93	6,440.94	208.99	31.819					
5,600.00	5,142.73	5,144.73	5,144.73	37.43	177.89	121.14	-977.51	-5,698.49	6,674.56	6,461.79	212.77	31.370					
5,700.00	5,232.40	5,234.40	5,234.40	38.18	181.02	121.44	-977.51	-5,698.49	6,699.38	6,482.84	216.55	30.938					
5,800.00	5,322.07	5,324.07	5,324.07	38.93	184.15	121.73	-977.51	-5,698.49	6,724.41	6,504.09	220.32	30.521					
5,900.00	5,411.74	5,413.74	5,413.74	39.68	187.28	122.03	-977.51	-5,698.49	6,749.64	6,525.55	224.09	30.120					
6,000.00	5,501.42	5,503.42	5,503.42	40.44	190.41	122.32	-977.51	-5,698.49	6,775.06	6,547.20	227.86	29.733					
6,100.00	5,591.09	5,606.91	5,593.09	41.19	194.02	122.62	-977.51	-5,698.49	6,800.68	6,568.56	232.12	29.299					
6,200.00	5,680.76	5,682.76	5,682.76	41.94	196.67	122.91	-977.51	-5,698.49	6,826.48	6,591.08	235.40	29.000					
6,300.00	5,770.43	5,772.43	5,772.43	42.70	199.80	123.20	-977.51	-5,698.49	6,852.47	6,613.31	239.17	28.652					
6,400.00	5,860.10	5,862.10	5,862.10	43.45	202.93	123.48	-977.51	-5,698.49	6,878.65	6,635.73	242.93	28.315					
6,500.00	5,949.77	5,951.77	5,951.77	44.20	206.06	123.77	-977.51	-5,698.49	6,905.02	6,658.33	246.69	27.991					
6,600.00	6,039.45	6,041.45	6,041.45	44.96	209.19	124.05	-977.51	-5,698.49	6,931.57	6,681.12	250.45	27.676					
6,700.00	6,129.12	6,131.12	6,131.12	45.71	212.32	124.33	-977.51	-5,698.49	6,958.29	6,704.08	254.21	27.372					
6,800.00	6,218.79	6,220.79	6,220.79	46.46	215.45	124.61	-977.51	-5,698.49	6,985.20	6,727.23	257.97	27.078					
6,900.00	6,308.46	6,310.46	6,310.46	47.22	218.58	124.89	-977.51	-5,698.49	7,012.28	6,750.56	261.72	26.793					
6,969.86	6,371.11	6,373.11	6,373.11	47.75	220.76	125.08	-977.51	-5,698.49	7,031.31	6,766.96	264.34	26.599					
7,000.00	6,398.25	6,400.25	6,400.25	47.97	221.71	119.81	-977.51	-5,698.49	7,038.86	6,773.38	265.48	26.514					
7,050.00	6,443.70	6,445.70	6,445.70	48.31	223.30	110.30	-977.51	-5,698.49	7,048.42	6,781.06	267.36	26.363					
7,100.00	6,489.42	6,508.58	6,491.42	48.61	225.49	100.24	-977.51	-5,698.49	7,054.21	6,784.39	269.82	26.144					
7,150.00	6,535.12	6,537.12	6,537.12	48.87	226.49	90.27	-977.51	-5,698.49	7,056.22	6,785.15	271.06	26.032					
7,200.00	6,580.53	6,582.53	6,582.53	49.09	228.07	81.04	-977.51	-5,698.49	7,054.43	6,781.57	272.86	25.854					
7,250.00	6,625.36	6,627.36	6,627.36	49.27	229.64	72.98	-977.51	-5,698.49	7,048.85	6,774.26	274.59	25.670					
7,300.00	6,669.35	6,671.35	6,671.35	49.42	231.18	66.24	-977.51	-5,698.49	7,039.54	6,763.29	276.26	25.482					
7,350.00	6,712.21	6,714.21	6,714.21	49.55	232.67	60.77	-977.51	-5,698.49	7,026.55	6,748.71	277.84	25.290					
7,400.00	6,753.69	6,755.69	6,755.69	49.65	234.12	56.44	-977.51	-5,698.49	7,009.97	6,730.62	279.35	25.094					
7,450.00	6,793.52	6,804.48	6,795.52	49.73	235.82	53.08	-977.51	-5,698.49	6,989.89	6,708.81	281.08	24.868					
7,500.00	6,831.47	6,833.47	6,833.47	49.81	236.83	50.56	-977.51	-5,698.49	6,966.44	6,684.36	282.08	24.696					
7,550.00	6,867.30	6,869.30	6,869.30	49.88	238.08	48.77	-977.51	-5,698.49	6,939.77	6,656.47	283.30	24.496					
7,600.00	6,900.78	6,902.78	6,902.78	49.95	239.25	47.63	-977.51	-5,698.49	6,910.04	6,625.61	284.42	24.295					
7,650.00	6,931.72	6,933.72	6,933.72	50.03	240.33	47.10	-977.51	-5,698.49	6,877.43	6,591.99	285.44	24.094					
7,700.00	6,959.92	6,961.92	6,961.92	50.11	241.32	47.18	-977.51	-5,698.49	6,842.13	6,555.78	286.35	23.894					
7,750.00	6,985.20	6,987.20	6,987.20	50.20	242.20	47.89	-977.51	-5,698.49	6,804.36	6,517.21	287.15	23.696					
7,800.00	7,007.41	7,009.41	7,009.41	50.30	242.98	49.33	-977.51	-5,698.49	6,764.35	6,476.51	287.84	23.500					
7,850.00	7,026.42	7,028.42	7,028.42	50.42	243.64	51.65	-977.51	-5,698.49	6,722.34	6,433.92	288.42	23.307					
7,900.00	7,042.11	7,044.11	7,044.11	50.57	244.19	55.08	-977.51	-5,698.49	6,678.57	6,389.68	288.89	23.118					
7,950.00	7,054.37	7,056.37	7,056.37	50.73	244.61	60.03	-977.51	-5,698.49	6,633.31	6,344.06	289.25	22.933					
8,000.00	7,063.14	7,065.14	7,065.14	50.92	244.92	67.08	-977.51	-5,698.49	6,586.83	6,297.34	289.50	22.753					
8,050.00	7,068.36	7,070.36	7,070.36	51.13	245.10	77.05	-977.51	-5,698.49	6,539.41	6,249.78	289.63	22.578					
8,094.17	7,070.00	7,072.00	7,072.00	51.34	245.16	88.89	-977.51	-5,698.49	6,496.96	6,207.30	289.66	22.429					
8,100.00	7,070.03	7,072.03	7,072.03	51.37	245.16	88.89	-977.51	-5,698.49	6,491.34	6,201.67	289.66	22.410					
8,200.00	7,070.55	7,072.55	7,072.55	51.94	245.18	88.91	-977.51	-5,698.49	6,394.86	6,105.23	289.63	22.079					
8,300.00	7,071.07	7,073.07	7,073.07	52.64	245.20	88.93	-977.51	-5,698.49	6,298.49	6,008.87	289.62	21.747					
8,400.00	7,071.60	7,073.60	7,073.60	53.49	245.22	88.95	-977.51	-5,698.49	6,202.24	5,912.61	289.63	21.414					
8,500.00	7,072.12	7,074.12	7,074.12	54.50	245.23	88.96	-977.51	-5,698.49	6,106.11	5,816.46	289.65	21.081					
8,600.00	7,072.64	7,074.64	7,074.64	55.69	245.25	88.98	-977.51	-5,698.49	6,010.11	5,720.41	289.70	20.746					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,075.17	7,075.17	57.04	245.27	89.00	-977.51	-5,698.49	5,914.23	5,624.47	289.77	20.410		
8,800.00	7,073.69	7,075.69	7,075.69	58.55	245.29	89.02	-977.51	-5,698.49	5,818.50	5,528.64	289.86	20.074		
8,900.00	7,074.21	7,076.21	7,076.21	60.21	245.31	89.03	-977.51	-5,698.49	5,722.91	5,432.93	289.98	19.736		
9,000.00	7,074.74	7,076.74	7,076.74	61.99	245.33	89.05	-977.51	-5,698.49	5,627.48	5,337.35	290.13	19.397		
9,100.00	7,075.26	7,077.26	7,077.26	63.88	245.34	89.07	-977.51	-5,698.49	5,532.21	5,241.90	290.31	19.056		
9,200.00	7,075.78	7,077.78	7,077.78	65.87	245.36	89.09	-977.51	-5,698.49	5,437.10	5,146.58	290.52	18.715		
9,300.00	7,076.30	7,078.30	7,078.30	67.95	245.38	89.10	-977.51	-5,698.49	5,342.18	5,051.40	290.78	18.372		
9,400.00	7,076.83	7,078.83	7,078.83	70.09	245.40	89.12	-977.51	-5,698.49	5,247.44	4,956.37	291.07	18.028		
9,500.00	7,077.35	7,079.35	7,079.35	72.30	245.42	89.14	-977.51	-5,698.49	5,152.91	4,861.50	291.41	17.683		
9,600.00	7,077.87	7,079.87	7,079.87	74.57	245.44	89.16	-977.51	-5,698.49	5,058.58	4,766.79	291.79	17.336		
9,700.00	7,078.40	7,080.40	7,080.40	76.88	245.45	89.18	-977.51	-5,698.49	4,964.48	4,672.25	292.23	16.988		
9,800.00	7,078.92	7,080.92	7,080.92	79.24	245.47	89.19	-977.51	-5,698.49	4,870.61	4,577.89	292.72	16.639		
9,900.00	7,079.44	7,081.44	7,081.44	81.63	245.49	89.21	-977.51	-5,698.49	4,776.98	4,483.72	293.27	16.289		
10,000.00	7,079.97	7,081.97	7,081.97	84.06	245.51	89.23	-977.51	-5,698.49	4,683.63	4,389.75	293.88	15.937		
10,100.00	7,080.49	7,082.49	7,082.49	86.52	245.53	89.25	-977.51	-5,698.49	4,590.55	4,295.99	294.56	15.584		
10,200.00	7,081.01	7,083.01	7,083.01	89.01	245.54	89.26	-977.51	-5,698.49	4,497.77	4,202.46	295.31	15.231		
10,300.00	7,081.54	7,083.54	7,083.54	91.52	245.56	89.28	-977.51	-5,698.49	4,405.30	4,109.16	296.14	14.876		
10,400.00	7,082.06	7,084.06	7,084.06	94.05	245.58	89.30	-977.51	-5,698.49	4,313.18	4,016.12	297.06	14.520		
10,500.00	7,082.58	7,084.58	7,084.58	96.61	245.60	89.32	-977.51	-5,698.49	4,221.41	3,923.35	298.06	14.163		
10,600.00	7,083.10	7,085.10	7,085.10	99.18	245.62	89.33	-977.51	-5,698.49	4,130.02	3,830.86	299.15	13.806		
10,700.00	7,083.63	7,085.63	7,085.63	101.77	245.64	89.35	-977.51	-5,698.49	4,039.04	3,738.69	300.35	13.448		
10,800.00	7,084.15	7,086.15	7,086.15	104.38	245.65	89.37	-977.51	-5,698.49	3,948.49	3,646.84	301.65	13.090		
10,900.00	7,084.67	7,086.67	7,086.67	107.00	245.67	89.39	-977.51	-5,698.49	3,858.42	3,555.35	303.07	12.731		
11,000.00	7,085.20	7,087.20	7,087.20	109.63	245.69	89.40	-977.51	-5,698.49	3,768.84	3,464.24	304.60	12.373		
11,100.00	7,085.72	7,087.72	7,087.72	112.27	245.71	89.42	-977.51	-5,698.49	3,679.80	3,373.54	306.26	12.015		
11,200.00	7,086.24	7,088.24	7,088.24	114.93	245.73	89.44	-977.51	-5,698.49	3,591.34	3,283.28	308.05	11.658		
11,300.00	7,086.77	7,088.77	7,088.77	117.59	245.75	89.46	-977.51	-5,698.49	3,503.49	3,193.51	309.99	11.302		
11,400.00	7,087.29	7,089.29	7,089.29	120.27	245.76	89.48	-977.51	-5,698.49	3,416.32	3,104.25	312.07	10.947		
11,500.00	7,087.81	7,089.81	7,089.81	122.95	245.78	89.49	-977.51	-5,698.49	3,329.87	3,015.56	314.31	10.594		
11,600.00	7,088.33	7,109.67	7,090.33	125.64	246.48	89.51	-977.51	-5,698.49	3,244.19	2,926.80	317.39	10.221		
11,700.00	7,088.86	7,109.14	7,090.86	128.34	246.46	89.53	-977.51	-5,698.49	3,159.36	2,839.42	319.94	9.875		
11,800.00	7,089.38	7,108.62	7,091.38	131.05	246.44	89.55	-977.51	-5,698.49	3,075.44	2,752.78	322.66	9.531		
11,900.00	7,089.90	7,108.10	7,091.90	133.76	246.42	89.56	-977.51	-5,698.49	2,992.51	2,666.93	325.58	9.191		
12,000.00	7,090.43	7,107.57	7,092.43	136.49	246.40	89.58	-977.51	-5,698.49	2,910.65	2,581.95	328.70	8.855		
12,100.00	7,090.95	7,107.05	7,092.95	139.21	246.38	89.60	-977.51	-5,698.49	2,829.95	2,497.92	332.03	8.523		
12,200.00	7,091.47	7,106.53	7,093.47	141.94	246.37	89.62	-977.51	-5,698.49	2,750.53	2,414.95	335.58	8.196		
12,300.00	7,092.00	7,106.00	7,094.00	144.68	246.35	89.63	-977.51	-5,698.49	2,672.49	2,333.13	339.36	7.875		
12,400.00	7,092.52	7,105.48	7,094.52	147.42	246.33	89.65	-977.51	-5,698.49	2,595.95	2,252.58	343.36	7.560		
12,500.00	7,093.04	7,104.96	7,095.04	150.17	246.31	89.67	-977.51	-5,698.49	2,521.05	2,173.44	347.61	7.252		
12,600.00	7,093.57	7,104.43	7,095.57	152.92	246.29	89.69	-977.51	-5,698.49	2,447.95	2,095.84	352.11	6.952		
12,700.00	7,094.09	7,103.91	7,096.09	155.67	246.27	89.71	-977.51	-5,698.49	2,376.81	2,019.96	356.85	6.661		
12,800.00	7,094.61	7,103.39	7,096.61	158.43	246.26	89.72	-977.51	-5,698.49	2,307.82	1,945.98	361.84	6.378		
12,900.00	7,095.13	7,102.87	7,097.13	161.19	246.24	89.74	-977.51	-5,698.49	2,241.16	1,874.09	367.07	6.106		
13,000.00	7,095.66	7,102.34	7,097.66	163.96	246.22	89.76	-977.51	-5,698.49	2,177.05	1,804.52	372.53	5.844		
13,100.00	7,096.18	7,101.82	7,098.18	166.73	246.20	89.78	-977.51	-5,698.49	2,115.73	1,737.53	378.20	5.594		
13,200.00	7,096.70	7,101.30	7,098.70	169.50	246.18	89.79	-977.51	-5,698.49	2,057.44	1,673.37	384.07	5.357		
13,256.62	7,097.00	7,101.00	7,099.00	171.07	246.17	89.80	-977.51	-5,698.49	2,025.89	1,638.42	387.46	5.229 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-76.84	1,652.04	-7,065.48	7,256.05					
100.00	100.00	140.00	140.00	3.28	4.54	-76.84	1,652.04	-7,065.48	7,256.05	7,248.22	7.83	927.087		
200.00	200.00	240.00	240.00	3.34	7.40	-76.84	1,652.04	-7,065.48	7,256.05	7,245.31	10.74	675.823		
300.00	300.00	340.00	340.00	3.44	10.64	-76.84	1,652.04	-7,065.48	7,256.05	7,241.96	14.09	515.092		
400.00	399.98	439.98	439.98	3.60	14.00	129.66	1,652.04	-7,065.48	7,257.16	7,239.56	17.60	412.349		
500.00	499.84	539.84	539.84	3.79	17.41	129.64	1,652.04	-7,065.48	7,260.51	7,239.31	21.20	342.506		
600.00	599.45	639.45	639.45	4.02	20.84	129.61	1,652.04	-7,065.48	7,266.08	7,241.22	24.86	292.324		
700.00	698.70	738.70	738.70	4.29	24.27	129.56	1,652.04	-7,065.48	7,273.88	7,245.32	28.55	254.740		
800.00	797.47	837.47	837.47	4.59	27.69	129.50	1,652.04	-7,065.48	7,283.91	7,251.63	32.28	225.659		
900.00	895.62	935.62	935.62	4.93	31.09	129.43	1,652.04	-7,065.48	7,296.17	7,260.15	36.02	202.564		
1,000.00	993.06	1,033.06	1,033.06	5.31	34.47	129.33	1,652.04	-7,065.48	7,310.67	7,270.90	39.77	183.833		
1,100.00	1,089.64	1,129.64	1,129.64	5.72	37.83	129.23	1,652.04	-7,065.48	7,327.39	7,283.87	43.52	168.373		
1,200.00	1,185.27	1,225.27	1,225.27	6.16	41.16	129.10	1,652.04	-7,065.48	7,346.35	7,299.08	47.27	155.426		
1,300.00	1,279.82	1,319.82	1,319.82	6.64	44.45	128.95	1,652.04	-7,065.48	7,367.54	7,316.54	51.00	144.449		
1,400.00	1,373.17	1,413.17	1,413.17	7.16	47.70	128.78	1,652.04	-7,065.48	7,390.96	7,336.23	54.73	135.044		
1,500.00	1,465.21	1,505.21	1,505.21	7.71	50.91	128.60	1,652.04	-7,065.48	7,416.61	7,358.17	58.44	126.913		
1,600.00	1,555.84	1,604.16	1,595.84	8.31	54.35	128.38	1,652.04	-7,065.48	7,444.48	7,382.06	62.42	119.271		
1,613.50	1,567.96	1,607.96	1,607.96	8.39	54.49	128.35	1,652.04	-7,065.48	7,448.41	7,385.79	62.62	118.937		
1,700.00	1,645.53	1,685.53	1,685.53	8.93	57.19	128.57	1,652.04	-7,065.48	7,473.80	7,408.00	65.80	113.579		
1,800.00	1,735.20	1,775.20	1,775.20	9.58	60.32	128.81	1,652.04	-7,065.48	7,503.28	7,433.79	69.49	107.975		
1,900.00	1,824.87	1,864.87	1,864.87	10.25	63.44	129.06	1,652.04	-7,065.48	7,532.91	7,459.72	73.19	102.922		
2,000.00	1,914.54	1,954.54	1,954.54	10.92	66.57	129.31	1,652.04	-7,065.48	7,562.68	7,485.78	76.90	98.344		
2,100.00	2,004.21	2,044.21	2,044.21	11.61	69.70	129.55	1,652.04	-7,065.48	7,592.59	7,511.97	80.62	94.181		
2,200.00	2,093.89	2,133.89	2,133.89	12.30	72.82	129.79	1,652.04	-7,065.48	7,622.64	7,538.30	84.34	90.379		
2,300.00	2,183.56	2,223.56	2,223.56	13.01	75.95	130.03	1,652.04	-7,065.48	7,652.83	7,564.76	88.07	86.895		
2,400.00	2,273.23	2,313.23	2,313.23	13.71	79.08	130.27	1,652.04	-7,065.48	7,683.16	7,591.36	91.80	83.692		
2,500.00	2,362.90	2,402.90	2,402.90	14.43	82.21	130.50	1,652.04	-7,065.48	7,713.62	7,618.08	95.54	80.739		
2,600.00	2,452.57	2,502.43	2,492.57	15.14	85.85	130.74	1,652.04	-7,065.48	7,744.21	7,644.42	99.79	77.601		
2,700.00	2,542.25	2,582.25	2,582.25	15.87	88.46	130.97	1,652.04	-7,065.48	7,774.94	7,671.92	103.02	75.472		
2,800.00	2,631.92	2,671.92	2,671.92	16.59	91.59	131.20	1,652.04	-7,065.48	7,805.79	7,699.03	106.76	73.115		
2,900.00	2,721.59	2,761.59	2,761.59	17.32	94.72	131.43	1,652.04	-7,065.48	7,836.78	7,726.27	110.50	70.919		
3,000.00	2,811.26	2,851.26	2,851.26	18.05	97.85	131.66	1,652.04	-7,065.48	7,867.89	7,753.64	114.25	68.867		
3,100.00	2,900.93	2,940.93	2,940.93	18.78	100.98	131.89	1,652.04	-7,065.48	7,899.12	7,781.13	117.99	66.946		
3,200.00	2,990.60	3,030.60	3,030.60	19.51	104.10	132.11	1,652.04	-7,065.48	7,930.48	7,808.75	121.74	65.144		
3,300.00	3,080.28	3,120.28	3,120.28	20.25	107.23	132.33	1,652.04	-7,065.48	7,961.97	7,836.48	125.48	63.450		
3,400.00	3,169.95	3,209.95	3,209.95	20.99	110.36	132.56	1,652.04	-7,065.48	7,993.57	7,864.34	129.23	61.856		
3,500.00	3,259.62	3,300.38	3,299.62	21.73	113.52	132.78	1,652.04	-7,065.48	8,025.29	7,892.29	133.00	60.340		
3,600.00	3,349.29	3,389.29	3,389.29	22.47	116.62	133.00	1,652.04	-7,065.48	8,057.14	7,920.42	136.72	58.932		
3,700.00	3,438.96	3,478.96	3,478.96	23.21	119.75	133.21	1,652.04	-7,065.48	8,089.10	7,948.63	140.47	57.588		
3,800.00	3,528.64	3,568.64	3,568.64	23.95	122.88	133.43	1,652.04	-7,065.48	8,121.17	7,976.96	144.21	56.315		
3,900.00	3,618.31	3,658.31	3,658.31	24.69	126.01	133.64	1,652.04	-7,065.48	8,153.36	8,005.40	147.95	55.108		
4,000.00	3,707.98	3,747.98	3,747.98	25.44	129.14	133.85	1,652.04	-7,065.48	8,185.66	8,033.96	151.70	53.961		
4,100.00	3,797.65	3,837.65	3,837.65	26.18	132.27	134.07	1,652.04	-7,065.48	8,218.07	8,062.63	155.44	52.870		
4,200.00	3,887.32	3,927.32	3,927.32	26.93	135.40	134.27	1,652.04	-7,065.48	8,250.59	8,091.41	159.18	51.831		
4,300.00	3,976.99	4,016.99	4,016.99	27.68	138.53	134.48	1,652.04	-7,065.48	8,283.22	8,120.30	162.92	50.841		
4,400.00	4,066.67	4,106.67	4,106.67	28.42	141.66	134.69	1,652.04	-7,065.48	8,315.96	8,149.30	166.66	49.897		
4,500.00	4,156.34	4,203.66	4,196.34	29.17	145.04	134.89	1,652.04	-7,065.48	8,348.81	8,178.15	170.66	48.921		
4,600.00	4,246.01	4,286.01	4,286.01	29.92	147.92	135.10	1,652.04	-7,065.48	8,381.76	8,207.62	174.14	48.132		
4,700.00	4,335.68	4,375.68	4,375.68	30.67	151.05	135.30	1,652.04	-7,065.48	8,414.81	8,236.93	177.88	47.306		
4,800.00	4,425.35	4,465.35	4,465.35	31.42	154.18	135.50	1,652.04	-7,065.48	8,447.97	8,266.35	181.62	46.515		
4,900.00	4,515.03	4,555.03	4,555.03	32.17	157.30	135.70	1,652.04	-7,065.48	8,481.23	8,295.87	185.35	45.757		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,644.70	4,644.70	32.92	160.43	135.90	1,652.04	-7,065.48	8,514.58	8,325.50	189.09	45.030			
5,100.00	4,694.37	4,734.37	4,734.37	33.67	163.56	136.09	1,652.04	-7,065.48	8,548.04	8,355.22	192.82	44.331			
5,200.00	4,784.04	4,824.04	4,824.04	34.42	166.69	136.29	1,652.04	-7,065.48	8,581.59	8,385.04	196.56	43.660			
5,300.00	4,873.71	4,913.71	4,913.71	35.17	169.82	136.48	1,652.04	-7,065.48	8,615.25	8,414.96	200.29	43.014			
5,400.00	4,963.38	5,003.38	5,003.38	35.92	172.95	136.68	1,652.04	-7,065.48	8,648.99	8,444.97	204.02	42.393			
5,500.00	5,053.06	5,106.94	5,093.06	36.67	176.57	136.87	1,652.04	-7,065.48	8,682.83	8,474.60	208.24	41.697			
5,600.00	5,142.73	5,182.73	5,182.73	37.43	179.21	137.06	1,652.04	-7,065.48	8,716.77	8,505.29	211.48	41.218			
5,700.00	5,232.40	5,272.40	5,272.40	38.18	182.34	137.24	1,652.04	-7,065.48	8,750.80	8,535.59	215.21	40.662			
5,800.00	5,322.07	5,362.07	5,362.07	38.93	185.47	137.43	1,652.04	-7,065.48	8,784.91	8,565.98	218.94	40.125			
5,900.00	5,411.74	5,451.74	5,451.74	39.68	188.60	137.62	1,652.04	-7,065.48	8,819.12	8,596.46	222.66	39.607			
6,000.00	5,501.42	5,541.42	5,541.42	40.44	191.73	137.80	1,652.04	-7,065.48	8,853.42	8,627.03	226.39	39.107			
6,100.00	5,591.09	5,631.09	5,631.09	41.19	194.86	137.98	1,652.04	-7,065.48	8,887.81	8,657.69	230.11	38.623			
6,200.00	5,680.76	5,720.76	5,720.76	41.94	197.99	138.17	1,652.04	-7,065.48	8,922.28	8,688.44	233.84	38.156			
6,300.00	5,770.43	5,810.43	5,810.43	42.70	201.12	138.35	1,652.04	-7,065.48	8,956.84	8,719.27	237.56	37.703			
6,400.00	5,860.10	5,900.10	5,900.10	43.45	204.25	138.53	1,652.04	-7,065.48	8,991.48	8,750.20	241.28	37.265			
6,500.00	5,949.77	5,989.77	5,989.77	44.20	207.38	138.70	1,652.04	-7,065.48	9,026.21	8,781.20	245.01	36.841			
6,600.00	6,039.45	6,079.45	6,079.45	44.96	210.51	138.88	1,652.04	-7,065.48	9,061.02	8,812.29	248.73	36.430			
6,700.00	6,129.12	6,169.12	6,169.12	45.71	213.64	139.06	1,652.04	-7,065.48	9,095.91	8,843.47	252.45	36.031			
6,800.00	6,218.79	6,258.79	6,258.79	46.46	216.77	139.23	1,652.04	-7,065.48	9,130.89	8,874.72	256.16	35.645			
6,900.00	6,308.46	6,348.46	6,348.46	47.22	219.90	139.40	1,652.04	-7,065.48	9,165.94	8,906.06	259.88	35.270			
6,969.86	6,371.11	6,411.11	6,411.11	47.75	222.09	139.52	1,652.04	-7,065.48	9,190.48	8,928.00	262.48	35.014			
7,000.00	6,398.25	6,438.25	6,438.25	47.97	223.04	139.95	1,652.04	-7,065.48	9,200.47	8,936.86	263.60	34.903			
7,050.00	6,443.70	6,483.70	6,483.70	48.31	224.62	124.02	1,652.04	-7,065.48	9,214.33	8,948.86	265.47	34.709			
7,100.00	6,489.42	6,529.42	6,529.42	48.61	226.22	113.61	1,652.04	-7,065.48	9,224.76	8,957.43	267.34	34.506			
7,150.00	6,535.12	6,575.12	6,575.12	48.87	227.82	103.38	1,652.04	-7,065.48	9,231.70	8,962.52	269.18	34.296			
7,200.00	6,580.53	6,620.53	6,620.53	49.09	229.40	93.96	1,652.04	-7,065.48	9,235.11	8,964.13	270.98	34.081			
7,250.00	6,625.36	6,665.36	6,665.36	49.27	230.97	85.78	1,652.04	-7,065.48	9,234.98	8,962.25	272.73	33.862			
7,300.00	6,669.35	6,709.35	6,709.35	49.42	232.50	78.97	1,652.04	-7,065.48	9,231.32	8,956.91	274.41	33.641			
7,350.00	6,712.21	6,752.21	6,752.21	49.55	234.00	73.49	1,652.04	-7,065.48	9,224.18	8,948.16	276.01	33.419			
7,400.00	6,753.69	6,806.31	6,793.69	49.65	235.89	69.20	1,652.04	-7,065.48	9,213.59	8,935.61	277.97	33.145			
7,450.00	6,793.52	6,833.52	6,833.52	49.73	236.84	65.94	1,652.04	-7,065.48	9,199.63	8,920.67	278.96	32.978			
7,500.00	6,831.47	6,871.47	6,871.47	49.81	238.16	63.57	1,652.04	-7,065.48	9,182.41	8,902.11	280.30	32.759			
7,550.00	6,867.30	6,907.30	6,907.30	49.88	239.41	61.97	1,652.04	-7,065.48	9,162.02	8,880.49	281.53	32.543			
7,600.00	6,900.78	6,940.78	6,940.78	49.95	240.58	61.05	1,652.04	-7,065.48	9,138.61	8,855.94	282.67	32.330			
7,650.00	6,931.72	6,971.72	6,971.72	50.03	241.66	60.78	1,652.04	-7,065.48	9,112.32	8,828.62	283.70	32.120			
7,700.00	6,959.92	7,000.08	6,999.92	50.11	242.65	61.12	1,652.04	-7,065.48	9,083.31	8,798.68	284.63	31.912			
7,750.00	6,985.20	7,025.20	7,025.20	50.20	243.53	62.07	1,652.04	-7,065.48	9,051.77	8,766.32	285.45	31.711			
7,800.00	7,007.41	7,047.41	7,047.41	50.30	244.30	63.66	1,652.04	-7,065.48	9,017.89	8,731.72	286.17	31.513			
7,850.00	7,026.42	7,066.42	7,066.42	50.42	244.97	65.94	1,652.04	-7,065.48	8,981.87	8,695.09	286.78	31.319			
7,900.00	7,042.11	7,082.11	7,082.11	50.57	245.51	68.97	1,652.04	-7,065.48	8,943.94	8,656.65	287.29	31.132			
7,950.00	7,054.37	7,105.63	7,094.37	50.73	246.33	72.84	1,652.04	-7,065.48	8,904.32	8,616.23	288.09	30.908			
8,000.00	7,063.14	7,103.14	7,103.14	50.92	246.25	77.65	1,652.04	-7,065.48	8,863.26	8,575.25	288.01	30.775			
8,050.00	7,068.36	7,108.36	7,108.36	51.13	246.43	83.46	1,652.04	-7,065.48	8,820.98	8,532.78	288.21	30.606			
8,094.17	7,070.00	7,110.00	7,110.00	51.34	246.49	89.47	1,652.04	-7,065.48	8,782.84	8,494.54	288.30	30.464			
8,100.00	7,070.03	7,110.03	7,110.03	51.37	246.49	89.47	1,652.04	-7,065.48	8,777.77	8,489.46	288.31	30.446			
8,200.00	7,070.55	7,110.55	7,110.55	51.94	246.51	89.48	1,652.04	-7,065.48	8,690.86	8,402.40	288.45	30.129			
8,300.00	7,071.07	7,111.07	7,111.07	52.64	246.52	89.48	1,652.04	-7,065.48	8,604.24	8,315.58	288.66	29.807			
8,400.00	7,071.60	7,111.60	7,111.60	53.49	246.54	89.49	1,652.04	-7,065.48	8,517.91	8,228.98	288.93	29.481			
8,500.00	7,072.12	7,112.12	7,112.12	54.50	246.56	89.50	1,652.04	-7,065.48	8,431.88	8,142.62	289.27	29.149			
8,600.00	7,072.64	7,112.64	7,112.64	55.69	246.58	89.50	1,652.04	-7,065.48	8,346.16	8,056.50	289.67	28.813			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,700.00	7,073.17	7,113.17	7,113.17	57.04	246.60	89.51	1,652.04	-7,065.48	8,260.77	7,970.63	290.14	28.472			
8,800.00	7,073.69	7,113.69	7,113.69	58.55	246.62	89.52	1,652.04	-7,065.48	8,175.71	7,885.02	290.69	28.125			
8,900.00	7,074.21	7,114.21	7,114.21	60.21	246.63	89.53	1,652.04	-7,065.48	8,090.98	7,799.68	291.31	27.775			
9,000.00	7,074.74	7,114.74	7,114.74	61.99	246.65	89.53	1,652.04	-7,065.48	8,006.61	7,714.61	292.00	27.420			
9,100.00	7,075.26	7,115.26	7,115.26	63.88	246.67	89.54	1,652.04	-7,065.48	7,922.61	7,629.84	292.77	27.061			
9,200.00	7,075.78	7,115.78	7,115.78	65.87	246.69	89.55	1,652.04	-7,065.48	7,838.98	7,545.36	293.62	26.697			
9,300.00	7,076.30	7,116.30	7,116.30	67.95	246.71	89.55	1,652.04	-7,065.48	7,755.74	7,461.18	294.55	26.331			
9,400.00	7,076.83	7,116.83	7,116.83	70.09	246.73	89.56	1,652.04	-7,065.48	7,672.89	7,377.33	295.56	25.961			
9,500.00	7,077.35	7,117.35	7,117.35	72.30	246.74	89.57	1,652.04	-7,065.48	7,590.46	7,293.82	296.65	25.587			
9,600.00	7,077.87	7,117.87	7,117.87	74.57	246.76	89.57	1,652.04	-7,065.48	7,508.46	7,210.64	297.82	25.212			
9,700.00	7,078.40	7,118.40	7,118.40	76.88	246.78	89.58	1,652.04	-7,065.48	7,426.90	7,127.83	299.07	24.834			
9,800.00	7,078.92	7,118.92	7,118.92	79.24	246.80	89.59	1,652.04	-7,065.48	7,345.79	7,045.40	300.40	24.454			
9,900.00	7,079.44	7,119.44	7,119.44	81.63	246.82	89.59	1,652.04	-7,065.48	7,265.16	6,963.35	301.81	24.072			
10,000.00	7,079.97	7,119.97	7,119.97	84.06	246.83	89.60	1,652.04	-7,065.48	7,185.01	6,881.71	303.30	23.689			
10,100.00	7,080.49	7,120.49	7,120.49	86.52	246.85	89.61	1,652.04	-7,065.48	7,105.37	6,800.49	304.87	23.306			
10,200.00	7,081.01	7,121.01	7,121.01	89.01	246.87	89.62	1,652.04	-7,065.48	7,026.24	6,719.72	306.52	22.922			
10,300.00	7,081.54	7,121.54	7,121.54	91.52	246.89	89.62	1,652.04	-7,065.48	6,947.66	6,639.40	308.26	22.539			
10,400.00	7,082.06	7,122.06	7,122.06	94.05	246.91	89.63	1,652.04	-7,065.48	6,869.63	6,559.56	310.07	22.155			
10,500.00	7,082.58	7,122.58	7,122.58	96.61	246.93	89.64	1,652.04	-7,065.48	6,792.17	6,480.21	311.96	21.773			
10,600.00	7,083.10	7,123.10	7,123.10	99.18	246.94	89.64	1,652.04	-7,065.48	6,715.32	6,401.39	313.93	21.391			
10,700.00	7,083.63	7,123.63	7,123.63	101.77	246.96	89.65	1,652.04	-7,065.48	6,639.07	6,323.09	315.98	21.011			
10,800.00	7,084.15	7,124.15	7,124.15	104.38	246.98	89.66	1,652.04	-7,065.48	6,563.47	6,245.36	318.11	20.633			
10,900.00	7,084.67	7,124.67	7,124.67	107.00	247.00	89.66	1,652.04	-7,065.48	6,488.53	6,168.21	320.31	20.257			
11,000.00	7,085.20	7,125.20	7,125.20	109.63	247.02	89.67	1,652.04	-7,065.48	6,414.27	6,091.67	322.60	19.883			
11,100.00	7,085.72	7,125.72	7,125.72	112.27	247.04	89.68	1,652.04	-7,065.48	6,340.72	6,015.75	324.96	19.512			
11,200.00	7,086.24	7,126.24	7,126.24	114.93	247.05	89.69	1,652.04	-7,065.48	6,267.90	5,940.49	327.40	19.144			
11,300.00	7,086.77	7,126.77	7,126.77	117.59	247.07	89.69	1,652.04	-7,065.48	6,195.83	5,865.91	329.92	18.780			
11,400.00	7,087.29	7,127.29	7,127.29	120.27	247.09	89.70	1,652.04	-7,065.48	6,124.56	5,792.04	332.52	18.419			
11,500.00	7,087.81	7,127.81	7,127.81	122.95	247.11	89.71	1,652.04	-7,065.48	6,054.09	5,718.90	335.19	18.062			
11,600.00	7,088.33	7,128.33	7,128.33	125.64	247.13	89.71	1,652.04	-7,065.48	5,984.47	5,646.53	337.94	17.709			
11,700.00	7,088.86	7,128.86	7,128.86	128.34	247.15	89.72	1,652.04	-7,065.48	5,915.72	5,574.96	340.76	17.360			
11,800.00	7,089.38	7,129.38	7,129.38	131.05	247.16	89.73	1,652.04	-7,065.48	5,847.87	5,504.21	343.66	17.016			
11,900.00	7,089.90	7,129.90	7,129.90	133.76	247.18	89.73	1,652.04	-7,065.48	5,780.95	5,434.32	346.63	16.677			
12,000.00	7,090.43	7,130.43	7,130.43	136.49	247.20	89.74	1,652.04	-7,065.48	5,715.00	5,365.32	349.68	16.343			
12,100.00	7,090.95	7,130.95	7,130.95	139.21	247.22	89.75	1,652.04	-7,065.48	5,650.05	5,297.24	352.80	16.015			
12,200.00	7,091.47	7,131.47	7,131.47	141.94	247.24	89.75	1,652.04	-7,065.48	5,586.13	5,230.14	356.00	15.691			
12,300.00	7,092.00	7,132.00	7,132.00	144.68	247.25	89.76	1,652.04	-7,065.48	5,523.29	5,164.03	359.26	15.374			
12,400.00	7,092.52	7,132.52	7,132.52	147.42	247.27	89.77	1,652.04	-7,065.48	5,461.55	5,098.95	362.60	15.062			
12,500.00	7,093.04	7,133.04	7,133.04	150.17	247.29	89.78	1,652.04	-7,065.48	5,400.96	5,034.96	366.00	14.757			
12,600.00	7,093.57	7,133.57	7,133.57	152.92	247.31	89.78	1,652.04	-7,065.48	5,341.56	4,972.08	369.47	14.457			
12,700.00	7,094.09	7,134.09	7,134.09	155.67	247.33	89.79	1,652.04	-7,065.48	5,283.38	4,910.37	373.01	14.164			
12,800.00	7,094.61	7,134.61	7,134.61	158.43	247.35	89.80	1,652.04	-7,065.48	5,226.46	4,849.85	376.61	13.878			
12,900.00	7,095.13	7,135.13	7,135.13	161.19	247.36	89.80	1,652.04	-7,065.48	5,170.85	4,790.58	380.27	13.598			
13,000.00	7,095.66	7,135.66	7,135.66	163.96	247.38	89.81	1,652.04	-7,065.48	5,116.60	4,732.61	383.99	13.325			
13,100.00	7,096.18	7,136.18	7,136.18	166.73	247.40	89.82	1,652.04	-7,065.48	5,063.73	4,675.97	387.76	13.059			
13,200.00	7,096.70	7,136.70	7,136.70	169.50	247.42	89.82	1,652.04	-7,065.48	5,012.31	4,620.73	391.58	12.800			
13,256.62	7,097.00	7,137.00	7,137.00	171.07	247.43	89.83	1,652.04	-7,065.48	4,983.84	4,590.08	393.77	12.657 CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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 Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-75.70	1,458.62	-5,722.39	5,905.37							
100.00	100.00	130.00	130.00	3.28	4.31	-75.70	1,458.62	-5,722.39	5,905.37	5,897.77	7.59	777.778				
200.00	200.00	230.00	230.00	3.34	7.09	-75.70	1,458.62	-5,722.39	5,905.37	5,894.94	10.43	566.442				
300.00	300.00	330.00	330.00	3.44	10.31	-75.70	1,458.62	-5,722.39	5,905.37	5,891.61	13.76	429.314				
400.00	399.98	429.98	429.98	3.60	13.66	130.81	1,458.62	-5,722.39	5,906.51	5,889.25	17.26	342.200				
500.00	499.84	529.84	529.84	3.79	17.07	130.79	1,458.62	-5,722.39	5,909.93	5,889.07	20.86	283.375				
600.00	599.45	629.45	629.45	4.02	20.49	130.77	1,458.62	-5,722.39	5,915.64	5,891.12	24.51	241.339				
700.00	698.70	728.70	728.70	4.29	23.92	130.74	1,458.62	-5,722.39	5,923.63	5,895.42	28.21	209.995				
800.00	797.47	827.47	827.47	4.59	27.34	130.69	1,458.62	-5,722.39	5,933.90	5,901.97	31.93	185.831				
900.00	895.62	925.62	925.62	4.93	30.74	130.64	1,458.62	-5,722.39	5,946.47	5,910.80	35.67	166.701				
1,000.00	993.06	1,023.06	1,023.06	5.31	34.13	130.57	1,458.62	-5,722.39	5,961.33	5,921.91	39.42	151.228				
1,100.00	1,089.64	1,119.64	1,119.64	5.72	37.49	130.49	1,458.62	-5,722.39	5,978.49	5,935.32	43.17	138.490				
1,200.00	1,185.27	1,215.27	1,215.27	6.16	40.81	130.40	1,458.62	-5,722.39	5,997.94	5,951.03	46.91	127.848				
1,300.00	1,279.82	1,309.82	1,309.82	6.64	44.10	130.29	1,458.62	-5,722.39	6,019.70	5,969.05	50.65	118.846				
1,400.00	1,373.17	1,403.17	1,403.17	7.16	47.35	130.16	1,458.62	-5,722.39	6,043.76	5,989.39	54.37	111.152				
1,500.00	1,465.21	1,504.79	1,495.21	7.71	50.89	130.01	1,458.62	-5,722.39	6,070.13	6,011.72	58.41	103.918				
1,600.00	1,555.84	1,585.84	1,585.84	8.31	53.72	129.84	1,458.62	-5,722.39	6,098.80	6,037.04	61.76	98.746				
1,613.50	1,567.96	1,602.04	1,597.96	8.39	54.28	129.82	1,458.62	-5,722.39	6,102.85	6,040.45	62.40	97.799				
1,700.00	1,645.53	1,675.53	1,675.53	8.93	56.84	130.08	1,458.62	-5,722.39	6,128.98	6,063.55	65.43	93.668				
1,800.00	1,735.20	1,765.20	1,765.20	9.58	59.97	130.37	1,458.62	-5,722.39	6,159.35	6,090.24	69.11	89.118				
1,900.00	1,824.87	1,854.87	1,854.87	10.25	63.09	130.67	1,458.62	-5,722.39	6,189.89	6,117.08	72.81	85.017				
2,000.00	1,914.54	1,944.54	1,944.54	10.92	66.22	130.96	1,458.62	-5,722.39	6,220.59	6,144.08	76.51	81.304				
2,100.00	2,004.21	2,034.21	2,034.21	11.61	69.35	131.25	1,458.62	-5,722.39	6,251.45	6,171.23	80.22	77.929				
2,200.00	2,093.89	2,123.89	2,123.89	12.30	72.47	131.53	1,458.62	-5,722.39	6,282.48	6,198.54	83.93	74.849				
2,300.00	2,183.56	2,213.56	2,213.56	13.01	75.60	131.82	1,458.62	-5,722.39	6,313.66	6,226.00	87.65	72.029				
2,400.00	2,273.23	2,303.23	2,303.23	13.71	78.73	132.10	1,458.62	-5,722.39	6,345.00	6,253.62	91.38	69.436				
2,500.00	2,362.90	2,407.10	2,392.90	14.43	82.35	132.38	1,458.62	-5,722.39	6,376.49	6,280.88	95.60	66.699				
2,600.00	2,452.57	2,482.57	2,482.57	15.14	84.98	132.65	1,458.62	-5,722.39	6,408.13	6,309.29	98.83	64.837				
2,700.00	2,542.25	2,572.25	2,572.25	15.87	88.11	132.93	1,458.62	-5,722.39	6,439.92	6,337.35	102.57	62.788				
2,800.00	2,631.92	2,661.92	2,661.92	16.59	91.24	133.20	1,458.62	-5,722.39	6,471.85	6,365.56	106.30	60.884				
2,900.00	2,721.59	2,751.59	2,751.59	17.32	94.37	133.47	1,458.62	-5,722.39	6,503.94	6,393.90	110.03	59.110				
3,000.00	2,811.26	2,841.26	2,841.26	18.05	97.50	133.73	1,458.62	-5,722.39	6,536.16	6,422.39	113.76	57.453				
3,100.00	2,900.93	2,930.93	2,930.93	18.78	100.63	134.00	1,458.62	-5,722.39	6,568.52	6,451.02	117.50	55.903				
3,200.00	2,990.60	3,020.60	3,020.60	19.51	103.76	134.26	1,458.62	-5,722.39	6,601.02	6,479.79	121.23	54.449				
3,300.00	3,080.28	3,110.28	3,110.28	20.25	106.88	134.52	1,458.62	-5,722.39	6,633.66	6,508.69	124.97	53.083				
3,400.00	3,169.95	3,200.05	3,199.95	20.99	110.02	134.78	1,458.62	-5,722.39	6,666.43	6,537.73	128.70	51.797				
3,500.00	3,259.62	3,289.62	3,289.62	21.73	113.14	135.03	1,458.62	-5,722.39	6,699.34	6,566.90	132.43	50.586				
3,600.00	3,349.29	3,379.29	3,379.29	22.47	116.27	135.29	1,458.62	-5,722.39	6,732.37	6,596.20	136.17	49.442				
3,700.00	3,438.96	3,468.96	3,468.96	23.21	119.40	135.54	1,458.62	-5,722.39	6,765.53	6,625.63	139.90	48.360				
3,800.00	3,528.64	3,558.64	3,558.64	23.95	122.53	135.79	1,458.62	-5,722.39	6,798.82	6,655.19	143.63	47.335				
3,900.00	3,618.31	3,648.31	3,648.31	24.69	125.66	136.03	1,458.62	-5,722.39	6,832.24	6,684.87	147.36	46.363				
4,000.00	3,707.98	3,737.98	3,737.98	25.44	128.79	136.28	1,458.62	-5,722.39	6,865.77	6,714.68	151.09	45.441				
4,100.00	3,797.65	3,827.65	3,827.65	26.18	131.92	136.52	1,458.62	-5,722.39	6,899.43	6,744.60	154.82	44.563				
4,200.00	3,887.32	3,917.32	3,917.32	26.93	135.05	136.76	1,458.62	-5,722.39	6,933.20	6,774.65	158.55	43.728				
4,300.00	3,976.99	4,006.99	4,006.99	27.68	138.18	137.00	1,458.62	-5,722.39	6,967.10	6,804.82	162.28	42.933				
4,400.00	4,066.67	4,103.33	4,096.67	28.42	141.54	137.23	1,458.62	-5,722.39	7,001.11	6,834.87	166.24	42.115				
4,500.00	4,156.34	4,186.34	4,186.34	29.17	144.44	137.46	1,458.62	-5,722.39	7,035.23	6,865.50	169.73	41.449				
4,600.00	4,246.01	4,276.01	4,276.01	29.92	147.57	137.70	1,458.62	-5,722.39	7,069.47	6,896.01	173.46	40.756				
4,700.00	4,335.68	4,365.68	4,365.68	30.67	150.70	137.93	1,458.62	-5,722.39	7,103.81	6,926.63	177.18	40.093				
4,800.00	4,425.35	4,455.35	4,455.35	31.42	153.83	138.15	1,458.62	-5,722.39	7,138.27	6,957.36	180.91	39.459				
4,900.00	4,515.03	4,545.03	4,545.03	32.17	156.96	138.38	1,458.62	-5,722.39	7,172.83	6,988.20	184.63	38.850				

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,634.70	4,634.70	32.92	160.09	138.60	1,458.62	-5,722.39	7,207.50	7,019.15	188.35	38.267					
5,100.00	4,694.37	4,724.37	4,724.37	33.67	163.22	138.82	1,458.62	-5,722.39	7,242.27	7,050.21	192.07	37.707					
5,200.00	4,784.04	4,814.04	4,814.04	34.42	166.35	139.04	1,458.62	-5,722.39	7,277.15	7,081.36	195.79	37.169					
5,300.00	4,873.71	4,903.71	4,903.71	35.17	169.48	139.26	1,458.62	-5,722.39	7,312.13	7,112.62	199.51	36.651					
5,400.00	4,963.38	5,006.62	4,993.38	35.92	173.07	139.48	1,458.62	-5,722.39	7,347.21	7,143.52	203.68	36.072					
5,500.00	5,053.06	5,083.06	5,083.06	36.67	175.73	139.69	1,458.62	-5,722.39	7,382.38	7,175.45	206.94	35.674					
5,600.00	5,142.73	5,172.73	5,172.73	37.43	178.86	139.90	1,458.62	-5,722.39	7,417.66	7,207.00	210.65	35.213					
5,700.00	5,232.40	5,262.40	5,262.40	38.18	181.99	140.11	1,458.62	-5,722.39	7,453.03	7,238.66	214.37	34.767					
5,800.00	5,322.07	5,352.07	5,352.07	38.93	185.12	140.32	1,458.62	-5,722.39	7,488.49	7,270.41	218.08	34.338					
5,900.00	5,411.74	5,441.74	5,441.74	39.68	188.25	140.53	1,458.62	-5,722.39	7,524.05	7,302.26	221.79	33.924					
6,000.00	5,501.42	5,531.42	5,531.42	40.44	191.38	140.73	1,458.62	-5,722.39	7,559.70	7,334.20	225.50	33.523					
6,100.00	5,591.09	5,621.09	5,621.09	41.19	194.51	140.94	1,458.62	-5,722.39	7,595.44	7,366.23	229.21	33.137					
6,200.00	5,680.76	5,710.76	5,710.76	41.94	197.64	141.14	1,458.62	-5,722.39	7,631.27	7,398.35	232.92	32.763					
6,300.00	5,770.43	5,800.43	5,800.43	42.70	200.77	141.34	1,458.62	-5,722.39	7,667.19	7,430.56	236.63	32.401					
6,400.00	5,860.10	5,909.90	5,890.10	43.45	204.60	141.53	1,458.62	-5,722.39	7,703.19	7,462.16	241.03	31.959					
6,500.00	5,949.77	5,979.77	5,979.77	44.20	207.03	141.73	1,458.62	-5,722.39	7,739.28	7,495.24	244.05	31.712					
6,600.00	6,039.45	6,069.45	6,069.45	44.96	210.16	141.92	1,458.62	-5,722.39	7,775.46	7,527.71	247.75	31.384					
6,700.00	6,129.12	6,159.12	6,159.12	45.71	213.29	142.12	1,458.62	-5,722.39	7,811.72	7,560.26	251.46	31.066					
6,800.00	6,218.79	6,248.79	6,248.79	46.46	216.43	142.31	1,458.62	-5,722.39	7,848.06	7,592.90	255.16	30.757					
6,900.00	6,308.46	6,338.46	6,338.46	47.22	219.56	142.50	1,458.62	-5,722.39	7,884.48	7,625.61	258.86	30.458					
6,969.86	6,371.11	6,401.11	6,401.11	47.75	221.74	142.63	1,458.62	-5,722.39	7,909.97	7,648.52	261.45	30.254					
7,000.00	6,398.25	6,428.25	6,428.25	47.97	222.69	137.00	1,458.62	-5,722.39	7,920.39	7,657.82	262.57	30.165					
7,050.00	6,443.70	6,473.70	6,473.70	48.31	224.28	126.97	1,458.62	-5,722.39	7,935.06	7,670.63	264.43	30.008					
7,100.00	6,489.42	6,519.42	6,519.42	48.61	225.87	116.50	1,458.62	-5,722.39	7,946.39	7,680.10	266.29	29.841					
7,150.00	6,535.12	6,565.12	6,565.12	48.87	227.47	106.21	1,458.62	-5,722.39	7,954.33	7,686.20	268.13	29.666					
7,200.00	6,580.53	6,610.53	6,610.53	49.09	229.05	96.75	1,458.62	-5,722.39	7,958.84	7,688.91	269.93	29.485					
7,250.00	6,625.36	6,655.36	6,655.36	49.27	230.62	88.54	1,458.62	-5,722.39	7,959.90	7,688.23	271.67	29.300					
7,300.00	6,669.35	6,700.65	6,699.35	49.42	232.20	81.71	1,458.62	-5,722.39	7,957.53	7,684.13	273.39	29.106					
7,350.00	6,712.21	6,742.21	6,742.21	49.55	233.65	76.22	1,458.62	-5,722.39	7,951.74	7,676.79	274.95	28.920					
7,400.00	6,753.69	6,783.69	6,783.69	49.65	235.10	71.94	1,458.62	-5,722.39	7,942.60	7,666.13	276.47	28.729					
7,450.00	6,793.52	6,823.52	6,823.52	49.73	236.49	68.69	1,458.62	-5,722.39	7,930.16	7,652.26	277.90	28.536					
7,500.00	6,831.47	6,861.47	6,861.47	49.81	237.81	66.33	1,458.62	-5,722.39	7,914.52	7,635.29	279.23	28.344					
7,550.00	6,867.30	6,902.70	6,897.30	49.88	239.25	64.74	1,458.62	-5,722.39	7,895.78	7,615.12	280.66	28.133					
7,600.00	6,900.78	6,930.78	6,930.78	49.95	240.23	63.84	1,458.62	-5,722.39	7,874.07	7,592.46	281.60	27.961					
7,650.00	6,931.72	6,961.72	6,961.72	50.03	241.31	63.58	1,458.62	-5,722.39	7,849.52	7,566.88	282.64	27.772					
7,700.00	6,959.92	6,989.92	6,989.92	50.11	242.30	63.91	1,458.62	-5,722.39	7,822.30	7,538.73	283.57	27.585					
7,750.00	6,985.20	7,015.20	7,015.20	50.20	243.18	64.83	1,458.62	-5,722.39	7,792.57	7,508.18	284.40	27.400					
7,800.00	7,007.41	7,037.41	7,037.41	50.30	243.95	66.36	1,458.62	-5,722.39	7,760.53	7,475.40	285.12	27.218					
7,850.00	7,026.42	7,056.42	7,056.42	50.42	244.62	68.51	1,458.62	-5,722.39	7,726.36	7,440.61	285.75	27.039					
7,900.00	7,042.11	7,072.11	7,072.11	50.57	245.16	71.33	1,458.62	-5,722.39	7,690.27	7,404.00	286.27	26.863					
7,950.00	7,054.37	7,084.37	7,084.37	50.73	245.59	74.88	1,458.62	-5,722.39	7,652.49	7,365.79	286.70	26.692					
8,000.00	7,063.14	7,106.86	7,093.14	50.92	246.38	79.20	1,458.62	-5,722.39	7,613.24	7,325.73	287.50	26.480					
8,050.00	7,068.36	7,101.64	7,098.36	51.13	246.19	84.33	1,458.62	-5,722.39	7,572.75	7,285.38	287.37	26.352					
8,094.17	7,070.00	7,100.00	7,100.00	51.34	246.14	89.54	1,458.62	-5,722.39	7,536.14	7,248.77	287.37	26.225					
8,100.00	7,070.03	7,100.03	7,100.03	51.37	246.14	89.54	1,458.62	-5,722.39	7,531.26	7,243.88	287.38	26.207					
8,200.00	7,070.55	7,100.55	7,100.55	51.94	246.16	89.55	1,458.62	-5,722.39	7,447.85	7,160.26	287.59	25.897					
8,300.00	7,071.07	7,101.07	7,101.07	52.64	246.18	89.56	1,458.62	-5,722.39	7,364.86	7,076.97	287.89	25.583					
8,400.00	7,071.60	7,101.60	7,101.60	53.49	246.19	89.56	1,458.62	-5,722.39	7,282.29	6,994.03	288.26	25.263					
8,500.00	7,072.12	7,102.12	7,102.12	54.50	246.21	89.57	1,458.62	-5,722.39	7,200.16	6,911.44	288.72	24.938					
8,600.00	7,072.64	7,102.64	7,102.64	55.69	246.23	89.58	1,458.62	-5,722.39	7,118.49	6,829.22	289.27	24.609					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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		
8,700.00	7,073.17	7,103.17	7,103.17	57.04	246.25	89.59	1,458.62	-5,722.39	7,037.29	6,747.38	289.90	24.274		
8,800.00	7,073.69	7,103.69	7,103.69	58.55	246.27	89.59	1,458.62	-5,722.39	6,956.58	6,665.94	290.64	23.936		
8,900.00	7,074.21	7,104.21	7,104.21	60.21	246.28	89.60	1,458.62	-5,722.39	6,876.38	6,584.92	291.46	23.593		
9,000.00	7,074.74	7,104.74	7,104.74	61.99	246.30	89.61	1,458.62	-5,722.39	6,796.70	6,504.32	292.38	23.246		
9,100.00	7,075.26	7,105.26	7,105.26	63.88	246.32	89.62	1,458.62	-5,722.39	6,717.57	6,424.17	293.40	22.895		
9,200.00	7,075.78	7,105.78	7,105.78	65.87	246.34	89.62	1,458.62	-5,722.39	6,639.00	6,344.48	294.52	22.542		
9,300.00	7,076.30	7,106.30	7,106.30	67.95	246.36	89.63	1,458.62	-5,722.39	6,561.01	6,265.28	295.73	22.186		
9,400.00	7,076.83	7,106.83	7,106.83	70.09	246.38	89.64	1,458.62	-5,722.39	6,483.63	6,186.58	297.05	21.827		
9,500.00	7,077.35	7,107.35	7,107.35	72.30	246.39	89.64	1,458.62	-5,722.39	6,406.87	6,108.42	298.46	21.467		
9,600.00	7,077.87	7,107.87	7,107.87	74.57	246.41	89.65	1,458.62	-5,722.39	6,330.77	6,030.80	299.97	21.105		
9,700.00	7,078.40	7,108.40	7,108.40	76.88	246.43	89.66	1,458.62	-5,722.39	6,255.33	5,953.76	301.58	20.742		
9,800.00	7,078.92	7,108.92	7,108.92	79.24	246.45	89.67	1,458.62	-5,722.39	6,180.60	5,877.32	303.28	20.379		
9,900.00	7,079.44	7,109.44	7,109.44	81.63	246.47	89.67	1,458.62	-5,722.39	6,106.58	5,801.50	305.08	20.016		
10,000.00	7,079.97	7,109.97	7,109.97	84.06	246.49	89.68	1,458.62	-5,722.39	6,033.32	5,726.34	306.98	19.654		
10,100.00	7,080.49	7,110.49	7,110.49	86.52	246.50	89.69	1,458.62	-5,722.39	5,960.83	5,651.86	308.97	19.293		
10,200.00	7,081.01	7,111.01	7,111.01	89.01	246.52	89.70	1,458.62	-5,722.39	5,889.15	5,578.10	311.05	18.933		
10,300.00	7,081.54	7,111.54	7,111.54	91.52	246.54	89.70	1,458.62	-5,722.39	5,818.30	5,505.07	313.23	18.575		
10,400.00	7,082.06	7,112.06	7,112.06	94.05	246.56	89.71	1,458.62	-5,722.39	5,748.32	5,432.83	315.49	18.220		
10,500.00	7,082.58	7,112.58	7,112.58	96.61	246.58	89.72	1,458.62	-5,722.39	5,679.24	5,361.39	317.85	17.868		
10,600.00	7,083.10	7,113.10	7,113.10	99.18	246.60	89.72	1,458.62	-5,722.39	5,611.09	5,290.79	320.30	17.518		
10,700.00	7,083.63	7,113.63	7,113.63	101.77	246.61	89.73	1,458.62	-5,722.39	5,543.91	5,221.07	322.83	17.173		
10,800.00	7,084.15	7,114.15	7,114.15	104.38	246.63	89.74	1,458.62	-5,722.39	5,477.73	5,152.27	325.46	16.831		
10,900.00	7,084.67	7,114.67	7,114.67	107.00	246.65	89.75	1,458.62	-5,722.39	5,412.58	5,084.42	328.16	16.494		
11,000.00	7,085.20	7,115.20	7,115.20	109.63	246.67	89.75	1,458.62	-5,722.39	5,348.52	5,017.56	330.95	16.161		
11,100.00	7,085.72	7,115.72	7,115.72	112.27	246.69	89.76	1,458.62	-5,722.39	5,285.56	4,951.74	333.83	15.833		
11,200.00	7,086.24	7,116.24	7,116.24	114.93	246.70	89.77	1,458.62	-5,722.39	5,223.77	4,886.99	336.78	15.511		
11,300.00	7,086.77	7,116.77	7,116.77	117.59	246.72	89.78	1,458.62	-5,722.39	5,163.17	4,823.35	339.82	15.194		
11,400.00	7,087.29	7,117.29	7,117.29	120.27	246.74	89.78	1,458.62	-5,722.39	5,103.81	4,760.89	342.93	14.883		
11,500.00	7,087.81	7,117.81	7,117.81	122.95	246.76	89.79	1,458.62	-5,722.39	5,045.74	4,699.62	346.11	14.578		
11,600.00	7,088.33	7,118.33	7,118.33	125.64	246.78	89.80	1,458.62	-5,722.39	4,988.99	4,639.62	349.37	14.280		
11,700.00	7,088.86	7,118.86	7,118.86	128.34	246.80	89.80	1,458.62	-5,722.39	4,933.62	4,580.92	352.70	13.988		
11,800.00	7,089.38	7,119.38	7,119.38	131.05	246.81	89.81	1,458.62	-5,722.39	4,879.67	4,523.58	356.09	13.704		
11,900.00	7,089.90	7,119.90	7,119.90	133.76	246.83	89.82	1,458.62	-5,722.39	4,827.18	4,467.64	359.55	13.426		
12,000.00	7,090.43	7,120.43	7,120.43	136.49	246.85	89.83	1,458.62	-5,722.39	4,776.22	4,413.16	363.06	13.155		
12,100.00	7,090.95	7,120.95	7,120.95	139.21	246.87	89.83	1,458.62	-5,722.39	4,726.82	4,360.18	366.64	12.892		
12,200.00	7,091.47	7,121.47	7,121.47	141.94	246.89	89.84	1,458.62	-5,722.39	4,679.04	4,308.78	370.26	12.637		
12,300.00	7,092.00	7,122.00	7,122.00	144.68	246.91	89.85	1,458.62	-5,722.39	4,632.92	4,258.99	373.93	12.390		
12,400.00	7,092.52	7,122.52	7,122.52	147.42	246.92	89.86	1,458.62	-5,722.39	4,588.52	4,210.87	377.65	12.150		
12,500.00	7,093.04	7,123.04	7,123.04	150.17	246.94	89.86	1,458.62	-5,722.39	4,545.88	4,164.49	381.40	11.919		
12,600.00	7,093.57	7,123.57	7,123.57	152.92	246.96	89.87	1,458.62	-5,722.39	4,505.07	4,119.89	385.18	11.696		
12,700.00	7,094.09	7,124.09	7,124.09	155.67	246.98	89.88	1,458.62	-5,722.39	4,466.12	4,077.13	388.98	11.482		
12,800.00	7,094.61	7,124.61	7,124.61	158.43	247.00	89.88	1,458.62	-5,722.39	4,429.08	4,036.27	392.81	11.275		
12,900.00	7,095.13	7,125.13	7,125.13	161.19	247.02	89.89	1,458.62	-5,722.39	4,394.01	3,997.37	396.64	11.078		
13,000.00	7,095.66	7,125.66	7,125.66	163.96	247.03	89.90	1,458.62	-5,722.39	4,360.95	3,960.47	400.48	10.889		
13,100.00	7,096.18	7,126.18	7,126.18	166.73	247.05	89.91	1,458.62	-5,722.39	4,329.94	3,925.63	404.31	10.709		
13,200.00	7,096.70	7,126.70	7,126.70	169.50	247.07	89.91	1,458.62	-5,722.39	4,301.04	3,892.90	408.14	10.538		
13,256.62	7,097.00	7,127.00	7,127.00	171.07	247.08	89.92	1,458.62	-5,722.39	4,285.63	3,875.33	410.29	10.445 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-86.68	253.58	-4,370.29	4,377.64					
100.00	100.00	123.00	123.00	3.28	4.15	-86.68	253.58	-4,370.29	4,377.64	4,370.20	7.44	588.522		
200.00	200.00	223.00	223.00	3.34	6.87	-86.68	253.58	-4,370.29	4,377.64	4,367.43	10.21	428.774		
300.00	300.00	323.00	323.00	3.44	10.08	-86.68	253.58	-4,370.29	4,377.64	4,364.12	13.52	323.695		
400.00	399.98	422.98	422.98	3.60	13.43	119.84	253.58	-4,370.29	4,378.51	4,361.48	17.02	257.208		
500.00	499.84	522.84	522.84	3.79	16.83	119.85	253.58	-4,370.29	4,381.12	4,360.50	20.62	212.519		
600.00	599.45	622.45	622.45	4.02	20.25	119.87	253.58	-4,370.29	4,385.47	4,361.20	24.27	180.698		
700.00	698.70	721.70	721.70	4.29	23.68	119.90	253.58	-4,370.29	4,391.57	4,363.61	27.97	157.035		
800.00	797.47	820.47	820.47	4.59	27.10	119.94	253.58	-4,370.29	4,399.45	4,367.76	31.69	138.830		
900.00	895.62	918.62	918.62	4.93	30.50	119.99	253.58	-4,370.29	4,409.11	4,373.68	35.43	124.440		
1,000.00	993.06	1,016.06	1,016.06	5.31	33.88	120.03	253.58	-4,370.29	4,420.59	4,381.40	39.18	112.816		
1,100.00	1,089.64	1,112.64	1,112.64	5.72	37.24	120.08	253.58	-4,370.29	4,433.89	4,390.95	42.94	103.257		
1,200.00	1,185.27	1,208.27	1,208.27	6.16	40.57	120.13	253.58	-4,370.29	4,449.05	4,402.35	46.70	95.278		
1,300.00	1,279.82	1,302.82	1,302.82	6.64	43.86	120.18	253.58	-4,370.29	4,466.10	4,415.65	50.44	88.534		
1,400.00	1,373.17	1,403.83	1,396.17	7.16	47.38	120.22	253.58	-4,370.29	4,485.06	4,430.61	54.45	82.368		
1,500.00	1,465.21	1,488.21	1,488.21	7.71	50.32	120.26	253.58	-4,370.29	4,505.97	4,448.06	57.91	77.810		
1,600.00	1,555.84	1,578.84	1,578.84	8.31	53.47	120.29	253.58	-4,370.29	4,528.85	4,467.24	61.62	73.499		
1,613.50	1,567.96	1,609.04	1,590.96	8.39	54.52	120.29	253.58	-4,370.29	4,532.10	4,469.35	62.75	72.226		
1,700.00	1,645.53	1,668.53	1,668.53	8.93	56.60	120.67	253.58	-4,370.29	4,553.10	4,487.79	65.32	69.707		
1,800.00	1,735.20	1,758.20	1,758.20	9.58	59.72	121.11	253.58	-4,370.29	4,577.67	4,508.64	69.03	66.314		
1,900.00	1,824.87	1,847.87	1,847.87	10.25	62.85	121.55	253.58	-4,370.29	4,602.53	4,529.78	72.75	63.262		
2,000.00	1,914.54	1,937.54	1,937.54	10.92	65.98	121.98	253.58	-4,370.29	4,627.68	4,551.19	76.49	60.503		
2,100.00	2,004.21	2,027.21	2,027.21	11.61	69.10	122.41	253.58	-4,370.29	4,653.11	4,572.89	80.23	58.000		
2,200.00	2,093.89	2,116.89	2,116.89	12.30	72.23	122.84	253.58	-4,370.29	4,678.83	4,594.86	83.97	55.720		
2,300.00	2,183.56	2,206.56	2,206.56	13.01	75.36	123.26	253.58	-4,370.29	4,704.82	4,617.10	87.72	53.635		
2,400.00	2,273.23	2,303.77	2,296.23	13.71	78.75	123.67	253.58	-4,370.29	4,731.08	4,639.35	91.74	51.573		
2,500.00	2,362.90	2,385.90	2,385.90	14.43	81.61	124.09	253.58	-4,370.29	4,757.61	4,662.39	95.23	49.961		
2,600.00	2,452.57	2,475.57	2,475.57	15.14	84.74	124.50	253.58	-4,370.29	4,784.40	4,685.42	98.98	48.336		
2,700.00	2,542.25	2,565.25	2,565.25	15.87	87.87	124.90	253.58	-4,370.29	4,811.45	4,708.71	102.74	46.832		
2,800.00	2,631.92	2,654.92	2,654.92	16.59	91.00	125.30	253.58	-4,370.29	4,838.76	4,732.26	106.50	45.436		
2,900.00	2,721.59	2,744.59	2,744.59	17.32	94.13	125.70	253.58	-4,370.29	4,866.31	4,756.06	110.25	44.138		
3,000.00	2,811.26	2,834.26	2,834.26	18.05	97.25	126.09	253.58	-4,370.29	4,894.11	4,780.10	114.01	42.927		
3,100.00	2,900.93	2,923.93	2,923.93	18.78	100.38	126.48	253.58	-4,370.29	4,922.15	4,804.38	117.77	41.796		
3,200.00	2,990.60	3,013.60	3,013.60	19.51	103.51	126.86	253.58	-4,370.29	4,950.42	4,828.90	121.52	40.737		
3,300.00	3,080.28	3,103.28	3,103.28	20.25	106.64	127.25	253.58	-4,370.29	4,978.93	4,853.65	125.28	39.743		
3,400.00	3,169.95	3,207.05	3,192.95	20.99	110.26	127.62	253.58	-4,370.29	5,007.67	4,878.14	129.52	38.662		
3,500.00	3,259.62	3,282.62	3,282.62	21.73	112.90	128.00	253.58	-4,370.29	5,036.63	4,903.85	132.78	37.931		
3,600.00	3,349.29	3,372.29	3,372.29	22.47	116.03	128.37	253.58	-4,370.29	5,065.81	4,929.28	136.54	37.103		
3,700.00	3,438.96	3,461.96	3,461.96	23.21	119.16	128.73	253.58	-4,370.29	5,095.21	4,954.93	140.29	36.320		
3,800.00	3,528.64	3,551.64	3,551.64	23.95	122.29	129.10	253.58	-4,370.29	5,124.83	4,980.79	144.03	35.581		
3,900.00	3,618.31	3,641.31	3,641.31	24.69	125.42	129.46	253.58	-4,370.29	5,154.65	5,006.87	147.78	34.880		
4,000.00	3,707.98	3,730.98	3,730.98	25.44	128.55	129.81	253.58	-4,370.29	5,184.68	5,033.16	151.53	34.216		
4,100.00	3,797.65	3,820.65	3,820.65	26.18	131.67	130.16	253.58	-4,370.29	5,214.92	5,059.65	155.27	33.586		
4,200.00	3,887.32	3,910.32	3,910.32	26.93	134.80	130.51	253.58	-4,370.29	5,245.35	5,086.34	159.01	32.987		
4,300.00	3,976.99	4,000.01	3,999.99	27.68	137.93	130.85	253.58	-4,370.29	5,275.98	5,113.22	162.75	32.417		
4,400.00	4,066.67	4,089.67	4,089.67	28.42	141.06	131.19	253.58	-4,370.29	5,306.80	5,140.31	166.49	31.874		
4,500.00	4,156.34	4,179.34	4,179.34	29.17	144.19	131.53	253.58	-4,370.29	5,337.81	5,167.58	170.23	31.356		
4,600.00	4,246.01	4,269.01	4,269.01	29.92	147.32	131.87	253.58	-4,370.29	5,369.00	5,195.04	173.97	30.862		
4,700.00	4,335.68	4,358.68	4,358.68	30.67	150.45	132.20	253.58	-4,370.29	5,400.38	5,222.68	177.70	30.391		
4,800.00	4,425.35	4,448.35	4,448.35	31.42	153.58	132.52	253.58	-4,370.29	5,431.94	5,250.51	181.43	29.939		
4,900.00	4,515.03	4,538.03	4,538.03	32.17	156.71	132.85	253.58	-4,370.29	5,463.67	5,278.51	185.16	29.507		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,627.70	4,627.70	32.92	159.84	133.17	253.58	-4,370.29	5,495.58	5,306.69	188.89	29.094					
5,100.00	4,694.37	4,717.37	4,717.37	33.67	162.97	133.48	253.58	-4,370.29	5,527.66	5,335.04	192.62	28.697					
5,200.00	4,784.04	4,807.04	4,807.04	34.42	166.10	133.80	253.58	-4,370.29	5,559.90	5,363.56	196.34	28.317					
5,300.00	4,873.71	4,903.29	4,896.71	35.17	169.46	134.11	253.58	-4,370.29	5,592.31	5,392.01	200.30	27.920					
5,400.00	4,963.38	4,986.38	4,986.38	35.92	172.36	134.42	253.58	-4,370.29	5,624.88	5,421.09	203.79	27.601					
5,500.00	5,053.06	5,076.06	5,076.06	36.67	175.49	134.72	253.58	-4,370.29	5,657.61	5,450.10	207.51	27.264					
5,600.00	5,142.73	5,165.73	5,165.73	37.43	178.62	135.02	253.58	-4,370.29	5,690.49	5,479.26	211.23	26.940					
5,700.00	5,232.40	5,255.40	5,255.40	38.18	181.75	135.32	253.58	-4,370.29	5,723.53	5,508.58	214.95	26.627					
5,800.00	5,322.07	5,345.07	5,345.07	38.93	184.88	135.61	253.58	-4,370.29	5,756.72	5,538.06	218.67	26.327					
5,900.00	5,411.74	5,434.74	5,434.74	39.68	188.01	135.90	253.58	-4,370.29	5,790.06	5,567.68	222.38	26.037					
6,000.00	5,501.42	5,524.42	5,524.42	40.44	191.14	136.19	253.58	-4,370.29	5,823.54	5,597.45	226.09	25.757					
6,100.00	5,591.09	5,614.09	5,614.09	41.19	194.27	136.48	253.58	-4,370.29	5,857.17	5,627.36	229.81	25.488					
6,200.00	5,680.76	5,703.76	5,703.76	41.94	197.40	136.76	253.58	-4,370.29	5,890.93	5,657.42	233.52	25.227					
6,300.00	5,770.43	5,806.57	5,793.43	42.70	200.99	137.04	253.58	-4,370.29	5,924.84	5,687.15	237.68	24.927					
6,400.00	5,860.10	5,883.10	5,883.10	43.45	203.66	137.32	253.58	-4,370.29	5,958.88	5,717.95	240.93	24.733					
6,500.00	5,949.77	5,972.77	5,972.77	44.20	206.79	137.59	253.58	-4,370.29	5,993.05	5,748.41	244.64	24.497					
6,600.00	6,039.45	6,062.45	6,062.45	44.96	209.92	137.86	253.58	-4,370.29	6,027.36	5,779.01	248.34	24.270					
6,700.00	6,129.12	6,152.12	6,152.12	45.71	213.05	138.13	253.58	-4,370.29	6,061.79	5,809.74	252.05	24.050					
6,800.00	6,218.79	6,241.79	6,241.79	46.46	216.18	138.39	253.58	-4,370.29	6,096.35	5,840.60	255.75	23.837					
6,900.00	6,308.46	6,331.46	6,331.46	47.22	219.31	138.66	253.58	-4,370.29	6,131.04	5,871.59	259.45	23.631					
6,969.86	6,371.11	6,405.89	6,394.11	47.75	221.91	138.84	253.58	-4,370.29	6,155.34	5,892.90	262.45	23.454					
7,000.00	6,398.25	6,421.25	6,421.25	47.97	222.45	133.31	253.58	-4,370.29	6,165.24	5,902.08	263.15	23.428					
7,050.00	6,443.70	6,466.70	6,466.70	48.31	224.03	123.44	253.58	-4,370.29	6,178.93	5,913.92	265.01	23.316					
7,100.00	6,489.42	6,512.42	6,512.42	48.61	225.63	113.10	253.58	-4,370.29	6,189.19	5,922.33	266.87	23.192					
7,150.00	6,535.12	6,558.12	6,558.12	48.87	227.22	102.94	253.58	-4,370.29	6,195.96	5,927.26	268.69	23.059					
7,200.00	6,580.53	6,603.53	6,603.53	49.09	228.81	93.59	253.58	-4,370.29	6,199.20	5,928.72	270.48	22.919					
7,250.00	6,625.36	6,648.36	6,648.36	49.27	230.37	85.46	253.58	-4,370.29	6,198.93	5,926.71	272.21	22.772					
7,300.00	6,669.35	6,707.65	6,692.35	49.42	232.44	78.72	253.58	-4,370.29	6,195.14	5,920.73	274.41	22.576					
7,350.00	6,712.21	6,735.21	6,735.21	49.55	233.40	73.31	253.58	-4,370.29	6,187.89	5,912.42	275.47	22.463					
7,400.00	6,753.69	6,776.69	6,776.69	49.65	234.85	69.09	253.58	-4,370.29	6,177.23	5,900.26	276.97	22.303					
7,450.00	6,793.52	6,816.52	6,816.52	49.73	236.24	65.90	253.58	-4,370.29	6,163.23	5,884.85	278.38	22.140					
7,500.00	6,831.47	6,854.47	6,854.47	49.81	237.57	63.60	253.58	-4,370.29	6,146.01	5,866.31	279.70	21.974					
7,550.00	6,867.30	6,909.70	6,890.30	49.88	239.50	62.07	253.58	-4,370.29	6,125.66	5,844.07	281.59	21.754					
7,600.00	6,900.78	6,923.78	6,923.78	49.95	239.99	61.24	253.58	-4,370.29	6,102.34	5,820.31	282.03	21.637					
7,650.00	6,931.72	6,954.72	6,954.72	50.03	241.07	61.04	253.58	-4,370.29	6,076.18	5,793.14	283.04	21.468					
7,700.00	6,959.92	6,982.92	6,982.92	50.11	242.05	61.46	253.58	-4,370.29	6,047.36	5,763.41	283.95	21.297					
7,750.00	6,985.20	7,008.20	7,008.20	50.20	242.93	62.48	253.58	-4,370.29	6,016.05	5,731.29	284.75	21.127					
7,800.00	7,007.41	7,030.41	7,030.41	50.30	243.71	64.14	253.58	-4,370.29	5,982.45	5,696.99	285.45	20.958					
7,850.00	7,026.42	7,049.42	7,049.42	50.42	244.37	66.47	253.58	-4,370.29	5,946.76	5,660.71	286.05	20.789					
7,900.00	7,042.11	7,065.11	7,065.11	50.57	244.92	69.52	253.58	-4,370.29	5,909.20	5,622.65	286.55	20.622					
7,950.00	7,054.37	7,077.37	7,077.37	50.73	245.35	73.37	253.58	-4,370.29	5,870.00	5,583.05	286.94	20.457					
8,000.00	7,063.14	7,086.14	7,086.14	50.92	245.65	78.09	253.58	-4,370.29	5,829.38	5,542.14	287.24	20.295					
8,050.00	7,068.36	7,108.64	7,091.36	51.13	246.44	83.73	253.58	-4,370.29	5,787.59	5,499.56	288.03	20.093					
8,094.17	7,070.00	7,107.00	7,093.00	51.34	246.38	89.49	253.58	-4,370.29	5,749.89	5,461.88	288.01	19.964					
8,100.00	7,070.03	7,106.97	7,093.03	51.37	246.38	89.49	253.58	-4,370.29	5,744.88	5,456.86	288.01	19.947					
8,200.00	7,070.55	7,106.45	7,093.55	51.94	246.36	89.50	253.58	-4,370.29	5,659.09	5,370.97	288.12	19.641					
8,300.00	7,071.07	7,105.93	7,094.07	52.64	246.34	89.52	253.58	-4,370.29	5,573.78	5,285.48	288.30	19.333					
8,400.00	7,071.60	7,105.40	7,094.60	53.49	246.33	89.53	253.58	-4,370.29	5,488.96	5,200.40	288.56	19.022					
8,500.00	7,072.12	7,104.88	7,095.12	54.50	246.31	89.54	253.58	-4,370.29	5,404.67	5,115.76	288.90	18.708					
8,600.00	7,072.64	7,104.36	7,095.64	55.69	246.29	89.55	253.58	-4,370.29	5,320.91	5,031.58	289.33	18.390					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,103.83	7,096.17	57.04	246.27	89.56	253.58	-4,370.29	5,237.73	4,947.87	289.86	18.070		
8,800.00	7,073.69	7,103.31	7,096.69	58.55	246.25	89.57	253.58	-4,370.29	5,155.14	4,864.66	290.48	17.747		
8,900.00	7,074.21	7,102.79	7,097.21	60.21	246.24	89.58	253.58	-4,370.29	5,073.19	4,781.98	291.21	17.421		
9,000.00	7,074.74	7,102.27	7,097.74	61.99	246.22	89.59	253.58	-4,370.29	4,991.88	4,699.84	292.04	17.093		
9,100.00	7,075.26	7,101.74	7,098.26	63.88	246.20	89.60	253.58	-4,370.29	4,911.27	4,618.28	292.99	16.763		
9,200.00	7,075.78	7,101.22	7,098.78	65.87	246.18	89.61	253.58	-4,370.29	4,831.39	4,537.34	294.05	16.430		
9,300.00	7,076.30	7,100.70	7,099.30	67.95	246.16	89.62	253.58	-4,370.29	4,752.26	4,457.03	295.23	16.097		
9,400.00	7,076.83	7,100.17	7,099.83	70.09	246.14	89.63	253.58	-4,370.29	4,673.94	4,377.40	296.54	15.762		
9,500.00	7,077.35	7,100.35	7,100.35	72.30	246.15	89.64	253.58	-4,370.29	4,596.46	4,298.47	297.99	15.425		
9,600.00	7,077.87	7,100.87	7,100.87	74.57	246.17	89.65	253.58	-4,370.29	4,519.86	4,220.28	299.57	15.088		
9,700.00	7,078.40	7,101.40	7,101.40	76.88	246.19	89.66	253.58	-4,370.29	4,444.19	4,142.90	301.29	14.751		
9,800.00	7,078.92	7,101.92	7,101.92	79.24	246.20	89.67	253.58	-4,370.29	4,369.50	4,066.37	303.13	14.415		
9,900.00	7,079.44	7,102.44	7,102.44	81.63	246.22	89.68	253.58	-4,370.29	4,295.83	3,990.73	305.10	14.080		
10,000.00	7,079.97	7,102.97	7,102.97	84.06	246.24	89.69	253.58	-4,370.29	4,223.26	3,916.05	307.20	13.747		
10,100.00	7,080.49	7,103.49	7,103.49	86.52	246.26	89.70	253.58	-4,370.29	4,151.82	3,842.38	309.44	13.417		
10,200.00	7,081.01	7,104.01	7,104.01	89.01	246.28	89.71	253.58	-4,370.29	4,081.58	3,769.78	311.80	13.090		
10,300.00	7,081.54	7,104.54	7,104.54	91.52	246.30	89.72	253.58	-4,370.29	4,012.60	3,698.31	314.29	12.767		
10,400.00	7,082.06	7,105.06	7,105.06	94.05	246.31	89.73	253.58	-4,370.29	3,944.95	3,628.05	316.91	12.448		
10,500.00	7,082.58	7,105.58	7,105.58	96.61	246.33	89.74	253.58	-4,370.29	3,878.70	3,559.05	319.65	12.134		
10,600.00	7,083.10	7,106.10	7,106.10	99.18	246.35	89.75	253.58	-4,370.29	3,813.93	3,491.40	322.53	11.825		
10,700.00	7,083.63	7,106.63	7,106.63	101.77	246.37	89.76	253.58	-4,370.29	3,750.70	3,425.18	325.52	11.522		
10,800.00	7,084.15	7,107.15	7,107.15	104.38	246.39	89.77	253.58	-4,370.29	3,689.10	3,360.46	328.64	11.225		
10,900.00	7,084.67	7,107.67	7,107.67	107.00	246.41	89.78	253.58	-4,370.29	3,629.20	3,297.33	331.87	10.936		
11,000.00	7,085.20	7,108.20	7,108.20	109.63	246.42	89.79	253.58	-4,370.29	3,571.11	3,235.89	335.21	10.653		
11,100.00	7,085.72	7,108.72	7,108.72	112.27	246.44	89.80	253.58	-4,370.29	3,514.90	3,176.23	338.67	10.379		
11,200.00	7,086.24	7,109.24	7,109.24	114.93	246.46	89.81	253.58	-4,370.29	3,460.66	3,118.44	342.22	10.112		
11,300.00	7,086.77	7,109.77	7,109.77	117.59	246.48	89.82	253.58	-4,370.29	3,408.50	3,062.63	345.87	9.855		
11,400.00	7,087.29	7,110.29	7,110.29	120.27	246.50	89.83	253.58	-4,370.29	3,358.50	3,008.90	349.60	9.607		
11,500.00	7,087.81	7,110.81	7,110.81	122.95	246.52	89.84	253.58	-4,370.29	3,310.78	2,957.36	353.42	9.368		
11,600.00	7,088.33	7,111.33	7,111.33	125.64	246.53	89.85	253.58	-4,370.29	3,265.41	2,908.12	357.30	9.139		
11,700.00	7,088.86	7,111.86	7,111.86	128.34	246.55	89.86	253.58	-4,370.29	3,222.52	2,861.28	361.23	8.921		
11,800.00	7,089.38	7,112.38	7,112.38	131.05	246.57	89.87	253.58	-4,370.29	3,182.18	2,816.97	365.21	8.713		
11,900.00	7,089.90	7,112.90	7,112.90	133.76	246.59	89.88	253.58	-4,370.29	3,144.52	2,775.30	369.22	8.517		
12,000.00	7,090.43	7,113.43	7,113.43	136.49	246.61	89.89	253.58	-4,370.29	3,109.61	2,736.37	373.24	8.331		
12,100.00	7,090.95	7,113.95	7,113.95	139.21	246.62	89.90	253.58	-4,370.29	3,077.56	2,700.29	377.26	8.158		
12,200.00	7,091.47	7,114.47	7,114.47	141.94	246.64	89.91	253.58	-4,370.29	3,048.45	2,667.19	381.26	7.996		
12,300.00	7,092.00	7,115.00	7,115.00	144.68	246.66	89.92	253.58	-4,370.29	3,022.37	2,637.14	385.22	7.846		
12,400.00	7,092.52	7,115.52	7,115.52	147.42	246.68	89.93	253.58	-4,370.29	2,999.40	2,610.27	389.13	7.708		
12,500.00	7,093.04	7,116.04	7,116.04	150.17	246.70	89.94	253.58	-4,370.29	2,979.61	2,586.64	392.97	7.582		
12,600.00	7,093.57	7,116.57	7,116.57	152.92	246.72	89.95	253.58	-4,370.29	2,963.07	2,566.35	396.71	7.469		
12,700.00	7,094.09	7,117.09	7,117.09	155.67	246.73	89.97	253.58	-4,370.29	2,949.82	2,549.47	400.35	7.368		
12,800.00	7,094.61	7,117.61	7,117.61	158.43	246.75	89.98	253.58	-4,370.29	2,939.92	2,536.06	403.86	7.280		
12,900.00	7,095.13	7,118.13	7,118.13	161.19	246.77	89.99	253.58	-4,370.29	2,933.39	2,526.17	407.22	7.203		
13,000.00	7,095.66	7,118.66	7,118.66	163.96	246.79	90.00	253.58	-4,370.29	2,930.27	2,519.84	410.43	7.139		
13,041.61	7,095.88	7,118.88	7,118.88	165.11	246.80	90.00	253.58	-4,370.29	2,929.97	2,518.26	411.72	7.116 CC		
13,100.00	7,096.18	7,119.18	7,119.18	166.73	246.81	90.01	253.58	-4,370.29	2,930.55	2,517.09	413.47	7.088 ES		
13,200.00	7,096.70	7,119.70	7,119.70	169.50	246.83	90.02	253.58	-4,370.29	2,934.25	2,517.93	416.33	7.048		
13,256.62	7,097.00	7,120.00	7,120.00	171.07	246.84	90.02	253.58	-4,370.29	2,937.85	2,519.99	417.86	7.031 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-91.75	-274.51	-8,976.60	8,980.79					
100.00	100.00	132.00	132.00	3.28	4.35	-91.75	-274.51	-8,976.60	8,980.79	8,973.15	7.64	1,175.773		
200.00	200.00	232.00	232.00	3.34	7.15	-91.75	-274.51	-8,976.60	8,980.79	8,970.31	10.49	856.346		
300.00	300.00	332.00	332.00	3.44	10.38	-91.75	-274.51	-8,976.60	8,980.79	8,966.97	13.82	649.767		
400.00	399.98	431.98	431.98	3.60	13.73	114.76	-274.51	-8,976.60	8,981.52	8,964.20	17.33	518.322		
500.00	499.84	531.84	531.84	3.79	17.14	114.75	-274.51	-8,976.60	8,983.72	8,962.79	20.92	429.366		
600.00	599.45	631.45	631.45	4.02	20.56	114.73	-274.51	-8,976.60	8,987.38	8,962.80	24.58	365.648		
700.00	698.70	730.70	730.70	4.29	23.99	114.71	-274.51	-8,976.60	8,992.50	8,964.23	28.28	318.021		
800.00	797.47	829.47	829.47	4.59	27.41	114.68	-274.51	-8,976.60	8,999.11	8,967.11	32.00	281.207		
900.00	895.62	927.62	927.62	4.93	30.81	114.64	-274.51	-8,976.60	9,007.19	8,971.44	35.75	251.982		
1,000.00	993.06	1,025.06	1,025.06	5.31	34.20	114.59	-274.51	-8,976.60	9,016.76	8,977.26	39.50	228.272		
1,100.00	1,089.64	1,121.64	1,121.64	5.72	37.55	114.53	-274.51	-8,976.60	9,027.83	8,984.57	43.26	208.688		
1,200.00	1,185.27	1,217.27	1,217.27	6.16	40.88	114.46	-274.51	-8,976.60	9,040.41	8,993.39	47.02	192.266		
1,300.00	1,279.82	1,311.82	1,311.82	6.64	44.17	114.38	-274.51	-8,976.60	9,054.51	9,003.73	50.78	178.320		
1,400.00	1,373.17	1,405.17	1,405.17	7.16	47.42	114.29	-274.51	-8,976.60	9,070.13	9,015.61	54.53	166.345		
1,500.00	1,465.21	1,502.79	1,497.21	7.71	50.82	114.18	-274.51	-8,976.60	9,087.30	9,028.84	58.46	155.449		
1,600.00	1,555.84	1,587.84	1,587.84	8.31	53.79	114.06	-274.51	-8,976.60	9,106.02	9,044.03	61.99	146.897		
1,613.50	1,567.96	1,600.04	1,599.96	8.39	54.21	114.04	-274.51	-8,976.60	9,108.67	9,046.18	62.49	145.752		
1,700.00	1,645.53	1,677.53	1,677.53	8.93	56.91	114.24	-274.51	-8,976.60	9,125.79	9,060.08	65.71	138.881		
1,800.00	1,735.20	1,767.20	1,767.20	9.58	60.04	114.47	-274.51	-8,976.60	9,145.73	9,076.29	69.45	131.697		
1,900.00	1,824.87	1,856.87	1,856.87	10.25	63.16	114.70	-274.51	-8,976.60	9,165.85	9,092.66	73.19	125.225		
2,000.00	1,914.54	1,946.54	1,946.54	10.92	66.29	114.93	-274.51	-8,976.60	9,186.14	9,109.18	76.96	119.370		
2,100.00	2,004.21	2,036.21	2,036.21	11.61	69.42	115.16	-274.51	-8,976.60	9,206.59	9,125.87	80.72	114.050		
2,200.00	2,093.89	2,125.89	2,125.89	12.30	72.54	115.39	-274.51	-8,976.60	9,227.22	9,142.71	84.50	109.197		
2,300.00	2,183.56	2,215.56	2,215.56	13.01	75.67	115.62	-274.51	-8,976.60	9,248.00	9,159.72	88.28	104.754		
2,400.00	2,273.23	2,305.23	2,305.23	13.71	78.80	115.84	-274.51	-8,976.60	9,268.96	9,176.89	92.07	100.673		
2,500.00	2,362.90	2,405.10	2,394.90	14.43	82.28	116.07	-274.51	-8,976.60	9,290.07	9,193.86	96.22	96.555		
2,600.00	2,452.57	2,484.57	2,484.57	15.14	85.05	116.29	-274.51	-8,976.60	9,311.35	9,211.70	99.65	93.437		
2,700.00	2,542.25	2,574.25	2,574.25	15.87	88.18	116.52	-274.51	-8,976.60	9,332.79	9,229.34	103.45	90.216		
2,800.00	2,631.92	2,663.92	2,663.92	16.59	91.31	116.74	-274.51	-8,976.60	9,354.39	9,247.14	107.25	87.222		
2,900.00	2,721.59	2,753.59	2,753.59	17.32	94.44	116.96	-274.51	-8,976.60	9,376.15	9,265.10	111.05	84.433		
3,000.00	2,811.26	2,843.26	2,843.26	18.05	97.57	117.18	-274.51	-8,976.60	9,398.07	9,283.22	114.85	81.830		
3,100.00	2,900.93	2,932.93	2,932.93	18.78	100.70	117.40	-274.51	-8,976.60	9,420.14	9,301.49	118.65	79.394		
3,200.00	2,990.60	3,022.60	3,022.60	19.51	103.83	117.62	-274.51	-8,976.60	9,442.37	9,319.92	122.45	77.110		
3,300.00	3,080.28	3,112.28	3,112.28	20.25	106.95	117.84	-274.51	-8,976.60	9,464.76	9,338.50	126.26	74.965		
3,400.00	3,169.95	3,201.95	3,201.95	20.99	110.08	118.06	-274.51	-8,976.60	9,487.30	9,357.24	130.06	72.946		
3,500.00	3,259.62	3,308.38	3,291.62	21.73	113.80	118.28	-274.51	-8,976.60	9,509.99	9,375.54	134.45	70.734		
3,600.00	3,349.29	3,381.29	3,381.29	22.47	116.34	118.49	-274.51	-8,976.60	9,532.83	9,395.17	137.67	69.246		
3,700.00	3,438.96	3,470.96	3,470.96	23.21	119.47	118.71	-274.51	-8,976.60	9,555.83	9,414.36	141.47	67.548		
3,800.00	3,528.64	3,560.64	3,560.64	23.95	122.60	118.92	-274.51	-8,976.60	9,578.97	9,433.70	145.27	65.939		
3,900.00	3,618.31	3,650.31	3,650.31	24.69	125.73	119.13	-274.51	-8,976.60	9,602.26	9,453.19	149.07	64.413		
4,000.00	3,707.98	3,739.98	3,739.98	25.44	128.86	119.35	-274.51	-8,976.60	9,625.70	9,472.82	152.87	62.965		
4,100.00	3,797.65	3,829.65	3,829.65	26.18	131.99	119.56	-274.51	-8,976.60	9,649.28	9,492.61	156.68	61.588		
4,200.00	3,887.32	3,919.32	3,919.32	26.93	135.12	119.77	-274.51	-8,976.60	9,673.01	9,512.54	160.48	60.277		
4,300.00	3,976.99	4,008.99	4,008.99	27.68	138.25	119.98	-274.51	-8,976.60	9,696.89	9,532.61	164.28	59.028		
4,400.00	4,066.67	4,101.33	4,098.67	28.42	141.47	120.19	-274.51	-8,976.60	9,720.90	9,552.73	168.17	57.805		
4,500.00	4,156.34	4,188.34	4,188.34	29.17	144.51	120.39	-274.51	-8,976.60	9,745.06	9,573.19	171.87	56.699		
4,600.00	4,246.01	4,278.01	4,278.01	29.92	147.64	120.60	-274.51	-8,976.60	9,769.36	9,593.69	175.67	55.612		
4,700.00	4,335.68	4,367.68	4,367.68	30.67	150.77	120.81	-274.51	-8,976.60	9,793.80	9,614.33	179.47	54.572		
4,800.00	4,425.35	4,457.35	4,457.35	31.42	153.90	121.01	-274.51	-8,976.60	9,818.37	9,635.11	183.26	53.576		
4,900.00	4,515.03	4,547.03	4,547.03	32.17	157.03	121.22	-274.51	-8,976.60	9,843.09	9,656.03	187.06	52.621		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,636.70	4,636.70	32.92	160.16	121.42	-274.51	-8,976.60	9,867.94	9,677.09	190.85	51.705			
5,100.00	4,694.37	4,726.37	4,726.37	33.67	163.29	121.62	-274.51	-8,976.60	9,892.93	9,698.28	194.64	50.826			
5,200.00	4,784.04	4,816.04	4,816.04	34.42	166.42	121.82	-274.51	-8,976.60	9,918.05	9,719.61	198.43	49.982			
5,300.00	4,873.71	4,905.71	4,905.71	35.17	169.54	122.03	-274.51	-8,976.60	9,943.30	9,741.08	202.22	49.170			
5,400.00	4,963.38	5,004.62	4,995.38	35.92	173.00	122.23	-274.51	-8,976.60	9,968.69	9,762.36	206.34	48.313			
5,500.00	5,053.06	5,085.06	5,085.06	36.67	175.80	122.42	-274.51	-8,976.60	9,994.21	9,784.41	209.80	47.637			
7,950.00	7,054.37	7,086.37	7,086.37	50.73	245.66	58.72	-274.51	-8,976.60	9,983.28	9,692.78	290.49	34.367			
8,000.00	7,063.14	7,104.86	7,095.14	50.92	246.31	65.83	-274.51	-8,976.60	9,936.53	9,645.44	291.09	34.136			
8,050.00	7,068.36	7,100.36	7,100.36	51.13	246.15	76.16	-274.51	-8,976.60	9,888.85	9,597.96	290.89	33.995			
8,094.17	7,070.00	7,102.00	7,102.00	51.34	246.21	88.80	-274.51	-8,976.60	9,846.19	9,555.26	290.93	33.844			
8,100.00	7,070.03	7,102.03	7,102.03	51.37	246.21	88.80	-274.51	-8,976.60	9,840.53	9,549.60	290.93	33.825			
8,200.00	7,070.55	7,102.55	7,102.55	51.94	246.23	88.81	-274.51	-8,976.60	9,743.55	9,452.64	290.91	33.493			
8,300.00	7,071.07	7,103.07	7,103.07	52.64	246.25	88.83	-274.51	-8,976.60	9,646.64	9,355.73	290.91	33.160			
8,400.00	7,071.60	7,103.60	7,103.60	53.49	246.26	88.84	-274.51	-8,976.60	9,549.78	9,258.86	290.92	32.826			
8,500.00	7,072.12	7,104.12	7,104.12	54.50	246.28	88.85	-274.51	-8,976.60	9,453.00	9,162.05	290.95	32.491			
8,600.00	7,072.64	7,104.64	7,104.64	55.69	246.30	88.87	-274.51	-8,976.60	9,356.27	9,065.29	290.99	32.154			
8,700.00	7,073.17	7,105.17	7,105.17	57.04	246.32	88.88	-274.51	-8,976.60	9,259.62	8,968.58	291.04	31.815			
8,800.00	7,073.69	7,105.69	7,105.69	58.55	246.34	88.89	-274.51	-8,976.60	9,163.05	8,871.93	291.12	31.475			
8,900.00	7,074.21	7,106.21	7,106.21	60.21	246.35	88.90	-274.51	-8,976.60	9,066.54	8,775.33	291.21	31.134			
9,000.00	7,074.74	7,106.74	7,106.74	61.99	246.37	88.92	-274.51	-8,976.60	8,970.11	8,678.79	291.32	30.791			
9,100.00	7,075.26	7,107.26	7,107.26	63.88	246.39	88.93	-274.51	-8,976.60	8,873.77	8,582.31	291.46	30.446			
9,200.00	7,075.78	7,107.78	7,107.78	65.87	246.41	88.94	-274.51	-8,976.60	8,777.50	8,485.89	291.61	30.100			
9,300.00	7,076.30	7,108.30	7,108.30	67.95	246.43	88.95	-274.51	-8,976.60	8,681.32	8,389.53	291.79	29.752			
9,400.00	7,076.83	7,108.83	7,108.83	70.09	246.45	88.97	-274.51	-8,976.60	8,585.22	8,293.23	291.99	29.403			
9,500.00	7,077.35	7,109.35	7,109.35	72.30	246.46	88.98	-274.51	-8,976.60	8,489.21	8,197.00	292.21	29.052			
9,600.00	7,077.87	7,109.87	7,109.87	74.57	246.48	88.99	-274.51	-8,976.60	8,393.30	8,100.84	292.46	28.699			
9,700.00	7,078.40	7,110.40	7,110.40	76.88	246.50	89.00	-274.51	-8,976.60	8,297.49	8,004.75	292.74	28.344			
9,800.00	7,078.92	7,110.92	7,110.92	79.24	246.52	89.02	-274.51	-8,976.60	8,201.77	7,908.72	293.05	27.988			
9,900.00	7,079.44	7,111.44	7,111.44	81.63	246.54	89.03	-274.51	-8,976.60	8,106.16	7,812.77	293.38	27.630			
10,000.00	7,079.97	7,111.97	7,111.97	84.06	246.56	89.04	-274.51	-8,976.60	8,010.65	7,716.90	293.75	27.270			
10,100.00	7,080.49	7,112.49	7,112.49	86.52	246.57	89.05	-274.51	-8,976.60	7,915.26	7,621.11	294.15	26.909			
10,200.00	7,081.01	7,113.01	7,113.01	89.01	246.59	89.07	-274.51	-8,976.60	7,819.98	7,525.39	294.59	26.546			
10,300.00	7,081.54	7,113.54	7,113.54	91.52	246.61	89.08	-274.51	-8,976.60	7,724.82	7,429.76	295.06	26.181			
10,400.00	7,082.06	7,114.06	7,114.06	94.05	246.63	89.09	-274.51	-8,976.60	7,629.78	7,334.22	295.57	25.814			
10,500.00	7,082.58	7,114.58	7,114.58	96.61	246.65	89.10	-274.51	-8,976.60	7,534.88	7,238.76	296.11	25.446			
10,600.00	7,083.10	7,115.10	7,115.10	99.18	246.67	89.12	-274.51	-8,976.60	7,440.10	7,143.40	296.70	25.076			
10,700.00	7,083.63	7,115.63	7,115.63	101.77	246.68	89.13	-274.51	-8,976.60	7,345.46	7,048.14	297.32	24.705			
10,800.00	7,084.15	7,116.15	7,116.15	104.38	246.70	89.14	-274.51	-8,976.60	7,250.97	6,952.98	297.99	24.333			
10,900.00	7,084.67	7,116.67	7,116.67	107.00	246.72	89.15	-274.51	-8,976.60	7,156.63	6,857.92	298.71	23.959			
11,000.00	7,085.20	7,117.20	7,117.20	109.63	246.74	89.17	-274.51	-8,976.60	7,062.44	6,762.97	299.47	23.583			
11,100.00	7,085.72	7,117.72	7,117.72	112.27	246.76	89.18	-274.51	-8,976.60	6,968.42	6,668.14	300.28	23.206			
11,200.00	7,086.24	7,118.24	7,118.24	114.93	246.77	89.19	-274.51	-8,976.60	6,874.56	6,573.42	301.14	22.829			
11,300.00	7,086.77	7,118.77	7,118.77	117.59	246.79	89.20	-274.51	-8,976.60	6,780.88	6,478.83	302.05	22.450			
11,400.00	7,087.29	7,119.29	7,119.29	120.27	246.81	89.22	-274.51	-8,976.60	6,687.39	6,384.37	303.01	22.070			
11,500.00	7,087.81	7,119.81	7,119.81	122.95	246.83	89.23	-274.51	-8,976.60	6,594.08	6,290.05	304.03	21.689			
11,600.00	7,088.33	7,120.33	7,120.33	125.64	246.85	89.24	-274.51	-8,976.60	6,500.97	6,195.86	305.11	21.307			
11,700.00	7,088.86	7,120.86	7,120.86	128.34	246.87	89.25	-274.51	-8,976.60	6,408.07	6,101.83	306.24	20.925			
11,800.00	7,089.38	7,121.38	7,121.38	131.05	246.88	89.27	-274.51	-8,976.60	6,315.39	6,007.95	307.44	20.542			
11,900.00	7,089.90	7,121.90	7,121.90	133.76	246.90	89.28	-274.51	-8,976.60	6,222.93	5,914.24	308.69	20.159			
12,000.00	7,090.43	7,122.43	7,122.43	136.49	246.92	89.29	-274.51	-8,976.60	6,130.71	5,820.70	310.02	19.776			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,100.00	7,090.95	7,122.95	7,122.95	139.21	246.94	89.30	-274.51	-8,976.60	6,038.74	5,727.33	311.40	19.392		
12,200.00	7,091.47	7,123.47	7,123.47	141.94	246.96	89.32	-274.51	-8,976.60	5,947.03	5,634.16	312.86	19.008		
12,300.00	7,092.00	7,124.00	7,124.00	144.68	246.98	89.33	-274.51	-8,976.60	5,855.58	5,541.19	314.39	18.625		
12,400.00	7,092.52	7,124.52	7,124.52	147.42	246.99	89.34	-274.51	-8,976.60	5,764.43	5,448.43	316.00	18.242		
12,500.00	7,093.04	7,125.04	7,125.04	150.17	247.01	89.35	-274.51	-8,976.60	5,673.57	5,355.89	317.68	17.860		
12,600.00	7,093.57	7,125.57	7,125.57	152.92	247.03	89.37	-274.51	-8,976.60	5,583.02	5,263.58	319.44	17.478		
12,700.00	7,094.09	7,126.09	7,126.09	155.67	247.05	89.38	-274.51	-8,976.60	5,492.80	5,171.52	321.28	17.097		
12,800.00	7,094.61	7,126.61	7,126.61	158.43	247.07	89.39	-274.51	-8,976.60	5,402.92	5,079.72	323.20	16.717		
12,900.00	7,095.13	7,127.13	7,127.13	161.19	247.09	89.40	-274.51	-8,976.60	5,313.41	4,988.20	325.21	16.338		
13,000.00	7,095.66	7,127.66	7,127.66	163.96	247.10	89.42	-274.51	-8,976.60	5,224.28	4,896.96	327.31	15.961		
13,100.00	7,096.18	7,128.18	7,128.18	166.73	247.12	89.43	-274.51	-8,976.60	5,135.54	4,806.03	329.51	15.585		
13,200.00	7,096.70	7,128.70	7,128.70	169.50	247.14	89.44	-274.51	-8,976.60	5,047.23	4,715.43	331.80	15.212		
13,256.62	7,097.00	7,129.00	7,129.00	171.07	247.15	89.45	-274.51	-8,976.60	4,997.43	4,664.29	333.14	15.001	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	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	13.00	13.00	3.28	3.29	-96.24	-1,060.41	-9,700.81	9,758.59								
100.00	100.00	113.00	113.00	3.28	3.95	-96.24	-1,060.41	-9,700.81	9,758.59	9,751.36	7.23	1,349.027					
200.00	200.00	213.00	213.00	3.34	6.57	-96.24	-1,060.41	-9,700.81	9,758.59	9,748.69	9.91	985.218					
300.00	300.00	313.00	313.00	3.44	9.75	-96.24	-1,060.41	-9,700.81	9,758.59	9,745.40	13.19	739.593					
400.00	399.98	412.98	412.98	3.60	13.09	110.27	-1,060.41	-9,700.81	9,759.20	9,742.51	16.68	584.912					
500.00	499.84	512.84	512.84	3.79	16.49	110.26	-1,060.41	-9,700.81	9,761.01	9,740.74	20.27	481.490					
600.00	599.45	612.45	612.45	4.02	19.91	110.26	-1,060.41	-9,700.81	9,764.04	9,740.12	23.92	408.119					
700.00	698.70	711.70	711.70	4.29	23.33	110.24	-1,060.41	-9,700.81	9,768.29	9,740.67	27.62	353.675					
800.00	797.47	810.47	810.47	4.59	26.75	110.22	-1,060.41	-9,700.81	9,773.76	9,742.41	31.34	311.828					
900.00	895.62	908.62	908.62	4.93	30.15	110.20	-1,060.41	-9,700.81	9,780.46	9,745.37	35.09	278.750					
1,000.00	993.06	1,006.06	1,006.06	5.31	33.54	110.17	-1,060.41	-9,700.81	9,788.40	9,749.56	38.84	252.004					
1,100.00	1,089.64	1,102.64	1,102.64	5.72	36.89	110.14	-1,060.41	-9,700.81	9,797.60	9,754.99	42.60	229.970					
1,200.00	1,185.27	1,201.73	1,198.27	6.16	40.34	110.09	-1,060.41	-9,700.81	9,808.05	9,761.57	46.49	210.984					
1,300.00	1,279.82	1,307.18	1,292.82	6.64	44.01	110.04	-1,060.41	-9,700.81	9,819.79	9,769.16	50.63	193.962					
1,400.00	1,373.17	1,386.17	1,386.17	7.16	46.76	109.98	-1,060.41	-9,700.81	9,832.82	9,778.93	53.88	182.489					
1,500.00	1,465.21	1,478.21	1,478.21	7.71	49.97	109.91	-1,060.41	-9,700.81	9,847.15	9,789.52	57.63	170.877					
1,600.00	1,555.84	1,568.84	1,568.84	8.31	53.12	109.82	-1,060.41	-9,700.81	9,862.80	9,801.44	61.36	160.735					
1,613.50	1,567.96	1,580.96	1,580.96	8.39	53.55	109.81	-1,060.41	-9,700.81	9,865.01	9,803.15	61.86	159.463					
1,700.00	1,645.53	1,658.53	1,658.53	8.93	56.25	110.00	-1,060.41	-9,700.81	9,879.35	9,814.25	65.09	151.777					
1,800.00	1,735.20	1,748.20	1,748.20	9.58	59.37	110.22	-1,060.41	-9,700.81	9,896.08	9,827.24	68.84	143.757					
1,900.00	1,824.87	1,837.87	1,837.87	10.25	62.50	110.44	-1,060.41	-9,700.81	9,912.97	9,840.37	72.60	136.541					
2,000.00	1,914.54	1,927.54	1,927.54	10.92	65.63	110.65	-1,060.41	-9,700.81	9,930.04	9,853.67	76.37	130.019					
2,100.00	2,004.21	2,017.21	2,017.21	11.61	68.75	110.87	-1,060.41	-9,700.81	9,947.28	9,867.12	80.16	124.099					
2,200.00	2,093.89	2,106.89	2,106.89	12.30	71.88	111.09	-1,060.41	-9,700.81	9,964.68	9,880.73	83.95	118.704					
2,300.00	2,183.56	2,203.44	2,196.56	13.01	75.25	111.30	-1,060.41	-9,700.81	9,982.25	9,894.27	87.98	113.459					
2,400.00	2,273.23	2,286.23	2,286.23	13.71	78.14	111.52	-1,060.41	-9,700.81	9,999.98	9,908.44	91.54	109.240					
8,500.00	7,072.12	7,085.12	7,085.12	54.50	245.62	88.15	-1,060.41	-9,700.81	9,997.13	9,705.86	291.26	34.323					
8,600.00	7,072.64	7,085.64	7,085.64	55.69	245.64	88.17	-1,060.41	-9,700.81	9,998.43	9,607.17	291.26	33.984					
8,700.00	7,073.17	7,086.17	7,086.17	57.04	245.65	88.19	-1,060.41	-9,700.81	9,999.76	9,508.49	291.27	33.645					
8,800.00	7,073.69	7,086.69	7,086.69	58.55	245.67	88.21	-1,060.41	-9,700.81	9,701.12	9,409.84	291.28	33.305					
8,900.00	7,074.21	7,087.21	7,087.21	60.21	245.69	88.23	-1,060.41	-9,700.81	9,602.51	9,311.20	291.30	32.964					
9,000.00	7,074.74	7,087.74	7,087.74	61.99	245.71	88.25	-1,060.41	-9,700.81	9,503.92	9,212.59	291.33	32.622					
9,100.00	7,075.26	7,088.26	7,088.26	63.88	245.73	88.26	-1,060.41	-9,700.81	9,405.36	9,114.00	291.37	32.280					
9,200.00	7,075.78	7,088.78	7,088.78	65.87	245.75	88.28	-1,060.41	-9,700.81	9,306.84	9,015.43	291.41	31.937					
9,300.00	7,076.30	7,089.30	7,089.30	67.95	245.76	88.30	-1,060.41	-9,700.81	9,208.35	8,916.88	291.46	31.594					
9,400.00	7,076.83	7,089.83	7,089.83	70.09	245.78	88.32	-1,060.41	-9,700.81	9,109.89	8,818.36	291.52	31.249					
9,500.00	7,077.35	7,109.65	7,090.35	72.30	246.47	88.34	-1,060.41	-9,700.81	9,011.46	8,719.19	292.27	30.833					
9,600.00	7,077.87	7,109.13	7,090.87	74.57	246.46	88.36	-1,060.41	-9,700.81	8,913.07	8,620.75	292.31	30.491					
9,700.00	7,078.40	7,108.60	7,091.40	76.88	246.44	88.38	-1,060.41	-9,700.81	8,814.71	8,522.34	292.37	30.149					
9,800.00	7,078.92	7,108.08	7,091.92	79.24	246.42	88.40	-1,060.41	-9,700.81	8,716.40	8,423.96	292.44	29.806					
9,900.00	7,079.44	7,107.56	7,092.44	81.63	246.40	88.41	-1,060.41	-9,700.81	8,618.12	8,325.60	292.52	29.462					
10,000.00	7,079.97	7,107.03	7,092.97	84.06	246.38	88.43	-1,060.41	-9,700.81	8,519.88	8,227.27	292.61	29.117					
10,100.00	7,080.49	7,106.51	7,093.49	86.52	246.37	88.45	-1,060.41	-9,700.81	8,421.68	8,128.97	292.71	28.771					
10,200.00	7,081.01	7,105.99	7,094.01	89.01	246.35	88.47	-1,060.41	-9,700.81	8,323.52	8,030.69	292.83	28.424					
10,300.00	7,081.54	7,105.47	7,094.54	91.52	246.33	88.49	-1,060.41	-9,700.81	8,225.41	7,932.45	292.97	28.076					
10,400.00	7,082.06	7,104.94	7,095.06	94.05	246.31	88.51	-1,060.41	-9,700.81	8,127.35	7,834.23	293.12	27.727					
10,500.00	7,082.58	7,104.42	7,095.58	96.61	246.29	88.53	-1,060.41	-9,700.81	8,029.33	7,736.05	293.28	27.377					
10,600.00	7,083.10	7,103.90	7,096.10	99.18	246.27	88.55	-1,060.41	-9,700.81	7,931.37	7,637.90	293.47	27.026					
10,700.00	7,083.63	7,103.37	7,096.63	101.77	246.26	88.56	-1,060.41	-9,700.81	7,833.45	7,539.78	293.67	26.674					
10,800.00	7,084.15	7,102.85	7,097.15	104.38	246.24	88.58	-1,060.41	-9,700.81	7,735.59	7,441.70	293.89	26.321					
10,900.00	7,084.67	7,102.33	7,097.67	107.00	246.22	88.60	-1,060.41	-9,700.81	7,637.78	7,343.65	294.13	25.967					

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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 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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)						
11,000.00	7,085.20	7,101.80	7,098.20	109.63	246.20	88.62	-1,060.41	-9,700.81	7,540.03	7,245.64	294.39	25.612					
11,100.00	7,085.72	7,101.28	7,098.72	112.27	246.18	88.64	-1,060.41	-9,700.81	7,442.34	7,147.66	294.68	25.256					
11,200.00	7,086.24	7,100.76	7,099.24	114.93	246.16	88.66	-1,060.41	-9,700.81	7,344.71	7,049.73	294.99	24.899					
11,300.00	7,086.77	7,100.23	7,099.77	117.59	246.15	88.68	-1,060.41	-9,700.81	7,247.15	6,951.83	295.32	24.540					
11,400.00	7,087.29	7,100.29	7,100.29	120.27	246.15	88.70	-1,060.41	-9,700.81	7,149.65	6,853.96	295.70	24.179					
11,500.00	7,087.81	7,100.81	7,100.81	122.95	246.17	88.71	-1,060.41	-9,700.81	7,052.23	6,756.11	296.12	23.815					
11,600.00	7,088.33	7,101.33	7,101.33	125.64	246.18	88.73	-1,060.41	-9,700.81	6,954.88	6,658.31	296.57	23.451					
11,700.00	7,088.86	7,101.86	7,101.86	128.34	246.20	88.75	-1,060.41	-9,700.81	6,857.60	6,560.55	297.05	23.085					
11,800.00	7,089.38	7,102.38	7,102.38	131.05	246.22	88.77	-1,060.41	-9,700.81	6,760.40	6,462.84	297.57	22.719					
11,900.00	7,089.90	7,102.90	7,102.90	133.76	246.24	88.79	-1,060.41	-9,700.81	6,663.29	6,365.18	298.11	22.352					
12,000.00	7,090.43	7,103.43	7,103.43	136.49	246.26	88.81	-1,060.41	-9,700.81	6,566.26	6,267.57	298.69	21.983					
12,100.00	7,090.95	7,103.95	7,103.95	139.21	246.28	88.83	-1,060.41	-9,700.81	6,469.32	6,170.02	299.31	21.614					
12,200.00	7,091.47	7,104.47	7,104.47	141.94	246.29	88.85	-1,060.41	-9,700.81	6,372.48	6,072.52	299.96	21.244					
12,300.00	7,092.00	7,105.00	7,105.00	144.68	246.31	88.86	-1,060.41	-9,700.81	6,275.74	5,975.08	300.66	20.873					
12,400.00	7,092.52	7,105.52	7,105.52	147.42	246.33	88.88	-1,060.41	-9,700.81	6,179.10	5,877.70	301.40	20.501					
12,500.00	7,093.04	7,106.04	7,106.04	150.17	246.35	88.90	-1,060.41	-9,700.81	6,082.57	5,780.39	302.18	20.129					
12,600.00	7,093.57	7,106.57	7,106.57	152.92	246.37	88.92	-1,060.41	-9,700.81	5,986.15	5,683.14	303.01	19.756					
12,700.00	7,094.09	7,107.09	7,107.09	155.67	246.39	88.94	-1,060.41	-9,700.81	5,889.85	5,585.97	303.88	19.382					
12,800.00	7,094.61	7,107.61	7,107.61	158.43	246.40	88.96	-1,060.41	-9,700.81	5,793.68	5,488.87	304.81	19.007					
12,900.00	7,095.13	7,108.13	7,108.13	161.19	246.42	88.98	-1,060.41	-9,700.81	5,697.64	5,391.84	305.79	18.632					
13,000.00	7,095.66	7,108.66	7,108.66	163.96	246.44	88.99	-1,060.41	-9,700.81	5,601.74	5,294.90	306.83	18.257					
13,100.00	7,096.18	7,109.18	7,109.18	166.73	246.46	89.01	-1,060.41	-9,700.81	5,505.98	5,198.05	307.93	17.881					
13,200.00	7,096.70	7,109.70	7,109.70	169.50	246.48	89.03	-1,060.41	-9,700.81	5,410.38	5,101.29	309.09	17.504					
13,256.62	7,097.00	7,110.00	7,110.00	171.07	246.49	89.04	-1,060.41	-9,700.81	5,356.32	5,046.55	309.77	17.291 CC, ES, SF					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	23.81	23.81	3.28	3.28	-88.49	255.11	-9,700.29	9,703.65					
100.00	100.00	115.28	115.28	3.28	3.29	-88.49	255.29	-9,700.35	9,703.71	9,697.14	6.58	1,475.493		
200.00	200.00	206.34	206.34	3.34	3.35	-88.49	255.67	-9,700.48	9,703.87	9,697.18	6.68	1,451.657		
300.00	300.00	298.36	298.36	3.44	3.45	-88.49	256.07	-9,700.69	9,704.11	9,697.22	6.89	1,407.821		
400.00	399.98	418.36	418.36	3.60	3.64	118.02	256.30	-9,700.90	9,705.11	9,697.87	7.23	1,341.424		
500.00	499.84	522.05	522.05	3.79	3.85	118.00	256.21	-9,700.95	9,707.61	9,699.97	7.64	1,271.036		
600.00	599.45	617.21	617.20	4.02	4.08	117.97	256.10	-9,701.03	9,711.79	9,703.69	8.10	1,199.333		
700.00	698.70	738.49	738.49	4.29	4.41	117.95	256.17	-9,701.00	9,717.52	9,708.82	8.70	1,117.545		
800.00	797.47	851.74	851.74	4.59	4.74	117.91	256.15	-9,700.72	9,724.67	9,715.33	9.34	1,041.537		
900.00	895.62	932.40	932.40	4.93	5.00	117.83	255.93	-9,700.52	9,733.47	9,723.54	9.93	980.259		
1,000.00	993.06	1,000.00	1,000.00	5.31	5.22	117.72	255.72	-9,700.59	9,744.24	9,733.72	10.52	926.219		
1,100.00	1,089.64	1,100.00	1,103.73	5.72	5.56	117.63	255.31	-9,700.73	9,756.72	9,745.46	11.26	866.502		
1,200.00	1,185.27	1,169.15	1,169.15	6.16	5.80	117.48	254.95	-9,700.87	9,770.95	9,759.02	11.93	818.893		
1,300.00	1,279.82	1,269.12	1,269.11	6.64	6.16	117.36	254.32	-9,701.41	9,787.14	9,774.39	12.75	767.529		
1,400.00	1,373.17	1,356.07	1,356.06	7.16	6.47	117.20	253.77	-9,701.73	9,804.83	9,791.27	13.56	722.909		
1,500.00	1,465.21	1,427.94	1,427.93	7.71	6.74	116.99	253.45	-9,702.14	9,824.39	9,810.03	14.36	684.360		
1,600.00	1,555.84	1,503.21	1,503.19	8.31	7.03	116.76	253.05	-9,702.71	9,845.78	9,830.59	15.20	647.838		
1,613.50	1,567.96	1,514.87	1,514.85	8.39	7.07	116.74	252.98	-9,702.80	9,848.81	9,833.49	15.32	642.825		
1,700.00	1,645.53	1,589.42	1,589.40	8.93	7.35	116.91	252.62	-9,703.44	9,868.36	9,852.25	16.11	612.488		
1,800.00	1,735.20	1,683.98	1,683.96	9.58	7.72	117.13	252.29	-9,704.22	9,891.10	9,874.03	17.08	579.173		
1,900.00	1,824.87	1,777.78	1,777.75	10.25	8.08	117.35	252.10	-9,704.95	9,913.94	9,895.89	18.06	549.010		
2,000.00	1,914.54	1,846.90	1,846.87	10.92	8.36	117.51	252.08	-9,705.50	9,936.98	9,918.03	18.95	524.337		
2,100.00	2,004.21	1,909.15	1,909.11	11.61	8.60	117.65	252.14	-9,706.18	9,960.40	9,940.57	19.83	502.379		
2,200.00	2,093.89	1,976.41	1,976.37	12.30	8.87	117.81	252.35	-9,707.06	9,984.19	9,963.46	20.73	481.646		
8,900.00	7,074.21	7,043.60	7,043.24	60.21	30.11	87.92	278.80	-9,738.83	9,954.23	9,879.51	74.72	133.221		
9,000.00	7,074.74	7,044.55	7,044.19	61.99	30.12	87.94	278.81	-9,738.84	9,958.74	9,783.89	74.86	131.698		
9,100.00	7,075.26	7,045.50	7,045.14	63.88	30.12	87.96	278.81	-9,738.84	9,763.34	9,688.32	75.02	130.138		
9,200.00	7,075.78	7,046.46	7,046.09	65.87	30.12	87.98	278.82	-9,738.85	9,668.04	9,592.82	75.21	128.543		
9,300.00	7,076.30	7,047.41	7,047.04	67.95	30.13	87.99	278.82	-9,738.85	9,572.83	9,497.40	75.43	126.911		
9,400.00	7,076.83	7,048.36	7,048.00	70.09	30.13	88.01	278.83	-9,738.86	9,477.71	9,402.04	75.67	125.244		
9,500.00	7,077.35	7,049.31	7,048.95	72.30	30.14	88.03	278.83	-9,738.86	9,382.70	9,306.75	75.95	123.541		
9,600.00	7,077.87	7,050.26	7,049.90	74.57	30.14	88.05	278.84	-9,738.86	9,287.79	9,211.54	76.25	121.804		
9,700.00	7,078.40	7,051.22	7,050.85	76.88	30.14	88.07	278.84	-9,738.87	9,193.00	9,116.41	76.59	120.032		
9,800.00	7,078.92	7,052.17	7,051.80	79.24	30.15	88.09	278.85	-9,738.87	9,098.31	9,021.35	76.96	118.227		
9,900.00	7,079.44	7,053.12	7,052.76	81.63	30.15	88.11	278.85	-9,738.88	9,003.73	8,926.38	77.36	116.390		
10,000.00	7,079.97	7,054.07	7,053.71	84.06	30.16	88.12	278.86	-9,738.88	8,909.28	8,831.49	77.80	114.522		
10,100.00	7,080.49	7,055.02	7,054.66	86.52	30.16	88.14	278.86	-9,738.88	8,814.95	8,736.68	78.27	112.625		
10,200.00	7,081.01	7,055.97	7,055.61	89.01	30.16	88.16	278.87	-9,738.89	8,720.74	8,641.96	78.78	110.699		
10,300.00	7,081.54	7,056.93	7,056.56	91.52	30.17	88.18	278.88	-9,738.89	8,626.67	8,547.34	79.33	108.748		
10,400.00	7,082.06	7,057.88	7,057.51	94.05	30.17	88.20	278.88	-9,738.90	8,532.73	8,452.81	79.92	106.771		
10,500.00	7,082.58	7,058.83	7,058.47	96.61	30.18	88.22	278.89	-9,738.90	8,438.92	8,358.38	80.54	104.773		
10,600.00	7,083.10	7,059.78	7,059.42	99.18	30.18	88.24	278.89	-9,738.90	8,345.27	8,264.05	81.22	102.754		
10,700.00	7,083.63	7,060.73	7,060.37	101.77	30.19	88.25	278.90	-9,738.91	8,251.76	8,169.83	81.93	100.717		
10,800.00	7,084.15	7,061.69	7,061.32	104.38	30.19	88.27	278.90	-9,738.91	8,158.40	8,075.71	82.69	98.665		
10,900.00	7,084.67	7,062.64	7,062.27	107.00	30.19	88.29	278.91	-9,738.92	8,065.20	7,981.71	83.49	96.599		
11,000.00	7,085.20	7,063.59	7,063.23	109.63	30.20	88.31	278.91	-9,738.92	7,972.17	7,887.83	84.34	94.522		
11,100.00	7,085.72	7,064.54	7,064.18	112.27	30.20	88.33	278.92	-9,738.92	7,879.31	7,794.07	85.24	92.438		
11,200.00	7,086.24	7,065.49	7,065.13	114.93	30.21	88.35	278.92	-9,738.93	7,786.63	7,700.44	86.19	90.347		
11,300.00	7,086.77	7,066.44	7,066.08	117.59	30.21	88.37	278.93	-9,738.93	7,694.13	7,606.94	87.18	88.253		
11,400.00	7,087.29	7,067.40	7,067.03	120.27	30.21	88.38	278.93	-9,738.94	7,601.82	7,513.59	88.23	86.159		
11,500.00	7,087.81	7,068.35	7,067.98	122.95	30.22	88.40	278.94	-9,738.94	7,509.70	7,420.37	89.33	84.067		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
11,600.00	7,088.33	7,069.30	7,068.94	125.64	30.22	88.42	278.94	-9,738.94	7,417.79	7,327.31	90.48	81.979					
11,700.00	7,088.86	7,070.25	7,069.89	128.34	30.23	88.44	278.95	-9,738.95	7,326.09	7,234.40	91.69	79.899					
11,800.00	7,089.38	7,071.20	7,070.84	131.05	30.23	88.46	278.95	-9,738.95	7,234.61	7,141.66	92.96	77.828					
11,900.00	7,089.90	7,072.16	7,071.79	133.76	30.23	88.48	278.96	-9,738.96	7,143.36	7,049.08	94.28	75.768					
12,000.00	7,090.43	7,073.11	7,072.74	136.49	30.24	88.50	278.96	-9,738.96	7,052.35	6,956.69	95.66	73.723					
12,100.00	7,090.95	7,074.06	7,073.70	139.21	30.24	88.51	278.97	-9,738.97	6,961.58	6,864.48	97.10	71.694					
12,200.00	7,091.47	7,075.01	7,074.65	141.94	30.25	88.53	278.98	-9,738.97	6,871.07	6,772.47	98.60	69.684					
12,300.00	7,092.00	7,075.96	7,075.60	144.68	30.25	88.55	278.98	-9,738.97	6,780.83	6,680.66	100.17	67.694					
12,400.00	7,092.52	7,076.92	7,076.55	147.42	30.25	88.57	278.99	-9,738.98	6,690.86	6,589.06	101.80	65.726					
12,500.00	7,093.04	7,077.87	7,077.50	150.17	30.26	88.59	278.99	-9,738.98	6,601.18	6,497.69	103.50	63.783					
12,600.00	7,093.57	7,078.82	7,078.45	152.92	30.26	88.61	279.00	-9,738.99	6,511.80	6,406.54	105.26	61.865					
12,700.00	7,094.09	7,079.77	7,079.41	155.67	30.27	88.63	279.00	-9,738.99	6,422.74	6,315.65	107.09	59.974					
12,800.00	7,094.61	7,080.72	7,080.36	158.43	30.27	88.64	279.01	-9,738.99	6,334.00	6,225.00	109.00	58.112					
12,900.00	7,095.13	7,081.67	7,081.31	161.19	30.27	88.66	279.01	-9,739.00	6,245.60	6,134.63	110.97	56.280					
13,000.00	7,095.66	7,082.63	7,082.26	163.96	30.28	88.68	279.02	-9,739.00	6,157.56	6,044.53	113.03	54.479					
13,100.00	7,096.18	7,083.58	7,083.21	166.73	30.28	88.70	279.02	-9,739.01	6,069.89	5,954.73	115.15	52.711					
13,200.00	7,096.70	7,084.53	7,084.17	169.50	30.29	88.72	279.03	-9,739.01	5,982.60	5,865.24	117.36	50.975					
13,256.62	7,097.00	7,085.07	7,084.70	171.07	30.29	88.73	279.03	-9,739.01	5,933.36	5,814.71	118.65	50.008 CC, ES, SF					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-97.08	-1,060.84	-8,542.19	8,607.81					
100.00	100.00	114.00	114.00	3.28	3.97	-97.08	-1,060.84	-8,542.19	8,607.81	8,600.56	7.25	1,186.736		
200.00	200.00	214.00	214.00	3.34	6.60	-97.08	-1,060.84	-8,542.19	8,607.81	8,597.88	9.94	866.389		
300.00	300.00	314.00	314.00	3.44	9.78	-97.08	-1,060.84	-8,542.19	8,607.81	8,594.59	13.23	650.755		
400.00	399.98	413.98	413.98	3.60	13.12	109.43	-1,060.84	-8,542.19	8,608.40	8,591.68	16.72	514.896		
500.00	499.84	513.84	513.84	3.79	16.52	109.43	-1,060.84	-8,542.19	8,610.14	8,589.83	20.31	424.005		
600.00	599.45	613.45	613.45	4.02	19.94	109.43	-1,060.84	-8,542.19	8,613.05	8,589.09	23.96	359.493		
700.00	698.70	712.70	712.70	4.29	23.37	109.43	-1,060.84	-8,542.19	8,617.13	8,589.48	27.65	311.606		
800.00	797.47	811.47	811.47	4.59	26.78	109.43	-1,060.84	-8,542.19	8,622.39	8,591.01	31.38	274.790		
900.00	895.62	909.62	909.62	4.93	30.19	109.42	-1,060.84	-8,542.19	8,628.84	8,593.72	35.12	245.685		
1,000.00	993.06	1,007.06	1,007.06	5.31	33.57	109.42	-1,060.84	-8,542.19	8,636.50	8,597.62	38.88	222.148		
1,100.00	1,089.64	1,103.64	1,103.64	5.72	36.93	109.40	-1,060.84	-8,542.19	8,645.37	8,602.73	42.64	202.756		
1,200.00	1,185.27	1,200.73	1,199.27	6.16	40.31	109.39	-1,060.84	-8,542.19	8,655.47	8,609.02	46.45	186.325		
1,300.00	1,279.82	1,306.18	1,293.82	6.64	43.98	109.37	-1,060.84	-8,542.19	8,666.82	8,616.23	50.59	171.301		
1,400.00	1,373.17	1,387.17	1,387.17	7.16	46.80	109.34	-1,060.84	-8,542.19	8,679.44	8,625.52	53.92	160.972		
1,500.00	1,465.21	1,479.21	1,479.21	7.71	50.00	109.30	-1,060.84	-8,542.19	8,693.35	8,635.68	57.67	150.756		
1,600.00	1,555.84	1,569.84	1,569.84	8.31	53.16	109.25	-1,060.84	-8,542.19	8,708.56	8,647.16	61.40	141.834		
1,613.50	1,567.96	1,581.96	1,581.96	8.39	53.58	109.24	-1,060.84	-8,542.19	8,710.71	8,648.81	61.90	140.716		
1,700.00	1,645.53	1,659.53	1,659.53	8.93	56.28	109.46	-1,060.84	-8,542.19	8,724.67	8,659.54	65.13	133.956		
1,800.00	1,735.20	1,749.20	1,749.20	9.58	59.41	109.70	-1,060.84	-8,542.19	8,740.99	8,672.11	68.88	126.902		
1,900.00	1,824.87	1,838.87	1,838.87	10.25	62.54	109.95	-1,060.84	-8,542.19	8,757.50	8,684.86	72.64	120.556		
2,000.00	1,914.54	1,928.54	1,928.54	10.92	65.66	110.20	-1,060.84	-8,542.19	8,774.21	8,697.79	76.42	114.821		
2,100.00	2,004.21	2,018.21	2,018.21	11.61	68.79	110.45	-1,060.84	-8,542.19	8,791.10	8,710.91	80.20	109.616		
2,200.00	2,093.89	2,107.89	2,107.89	12.30	71.92	110.69	-1,060.84	-8,542.19	8,808.19	8,724.20	83.99	104.873		
2,300.00	2,183.56	2,202.44	2,197.56	13.01	75.21	110.94	-1,060.84	-8,542.19	8,825.46	8,737.51	87.96	100.340		
2,400.00	2,273.23	2,287.23	2,287.23	13.71	78.17	111.18	-1,060.84	-8,542.19	8,842.93	8,751.34	91.59	96.553		
2,500.00	2,362.90	2,376.90	2,376.90	14.43	81.30	111.42	-1,060.84	-8,542.19	8,860.58	8,765.18	95.39	92.887		
2,600.00	2,452.57	2,466.57	2,466.57	15.14	84.43	111.67	-1,060.84	-8,542.19	8,878.41	8,779.21	99.20	89.501		
2,700.00	2,542.25	2,556.25	2,556.25	15.87	87.55	111.91	-1,060.84	-8,542.19	8,896.43	8,793.42	103.01	86.365		
2,800.00	2,631.92	2,645.92	2,645.92	16.59	90.68	112.15	-1,060.84	-8,542.19	8,914.63	8,807.81	106.82	83.453		
2,900.00	2,721.59	2,735.59	2,735.59	17.32	93.81	112.39	-1,060.84	-8,542.19	8,933.02	8,822.38	110.64	80.742		
3,000.00	2,811.26	2,825.26	2,825.26	18.05	96.94	112.63	-1,060.84	-8,542.19	8,951.58	8,837.13	114.45	78.212		
3,100.00	2,900.93	2,914.93	2,914.93	18.78	100.07	112.86	-1,060.84	-8,542.19	8,970.33	8,852.06	118.27	75.847		
3,200.00	2,990.60	3,004.60	3,004.60	19.51	103.20	113.10	-1,060.84	-8,542.19	8,989.25	8,867.17	122.09	73.631		
3,300.00	3,080.28	3,105.72	3,094.28	20.25	106.73	113.34	-1,060.84	-8,542.19	9,008.35	8,882.05	126.30	71.323		
3,400.00	3,169.95	3,183.95	3,183.95	20.99	109.46	113.57	-1,060.84	-8,542.19	9,027.63	8,897.91	129.72	69.592		
3,500.00	3,259.62	3,273.62	3,273.62	21.73	112.58	113.81	-1,060.84	-8,542.19	9,047.09	8,913.55	133.54	67.748		
3,600.00	3,349.29	3,363.29	3,363.29	22.47	115.71	114.04	-1,060.84	-8,542.19	9,066.71	8,929.36	137.36	66.008		
3,700.00	3,438.96	3,452.96	3,452.96	23.21	118.84	114.28	-1,060.84	-8,542.19	9,086.52	8,945.34	141.17	64.364		
3,800.00	3,528.64	3,542.64	3,542.64	23.95	121.97	114.51	-1,060.84	-8,542.19	9,106.49	8,961.50	144.99	62.807		
3,900.00	3,618.31	3,632.31	3,632.31	24.69	125.10	114.74	-1,060.84	-8,542.19	9,126.63	8,977.82	148.81	61.331		
4,000.00	3,707.98	3,721.98	3,721.98	25.44	128.23	114.97	-1,060.84	-8,542.19	9,146.95	8,994.32	152.63	59.931		
4,100.00	3,797.65	3,811.65	3,811.65	26.18	131.36	115.20	-1,060.84	-8,542.19	9,167.43	9,010.99	156.44	58.600		
4,200.00	3,887.32	3,901.32	3,901.32	26.93	134.49	115.43	-1,060.84	-8,542.19	9,188.08	9,027.82	160.26	57.334		
4,300.00	3,976.99	4,009.01	3,990.99	27.68	138.25	115.66	-1,060.84	-8,542.19	9,208.90	9,044.20	164.70	55.913		
4,400.00	4,066.67	4,080.67	4,080.67	28.42	140.75	115.88	-1,060.84	-8,542.19	9,229.88	9,062.00	167.88	54.978		
4,500.00	4,156.34	4,170.34	4,170.34	29.17	143.88	116.11	-1,060.84	-8,542.19	9,251.03	9,079.33	171.70	53.880		
4,600.00	4,246.01	4,260.01	4,260.01	29.92	147.01	116.34	-1,060.84	-8,542.19	9,272.34	9,096.83	175.51	52.831		
4,700.00	4,335.68	4,349.68	4,349.68	30.67	150.14	116.56	-1,060.84	-8,542.19	9,293.81	9,114.49	179.32	51.828		
4,800.00	4,425.35	4,439.35	4,439.35	31.42	153.27	116.78	-1,060.84	-8,542.19	9,315.44	9,132.31	183.13	50.868		
4,900.00	4,515.03	4,529.03	4,529.03	32.17	156.40	117.01	-1,060.84	-8,542.19	9,337.23	9,150.29	186.94	49.948		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,618.70	4,618.70	32.92	159.53	117.23	-1,060.84	-8,542.19	9,359.18	9,168.44	190.75	49.066			
5,100.00	4,694.37	4,708.37	4,708.37	33.67	162.66	117.45	-1,060.84	-8,542.19	9,381.29	9,186.74	194.55	48.220			
5,200.00	4,784.04	4,801.96	4,798.04	34.42	165.92	117.67	-1,060.84	-8,542.19	9,403.55	9,205.06	198.50	47.374			
5,300.00	4,873.71	4,887.71	4,887.71	35.17	168.92	117.89	-1,060.84	-8,542.19	9,425.97	9,223.81	202.16	46.625			
5,400.00	4,963.38	4,977.38	4,977.38	35.92	172.05	118.11	-1,060.84	-8,542.19	9,448.55	9,242.58	205.97	45.874			
5,500.00	5,053.06	5,067.06	5,067.06	36.67	175.18	118.33	-1,060.84	-8,542.19	9,471.27	9,261.50	209.77	45.151			
5,600.00	5,142.73	5,156.73	5,156.73	37.43	178.31	118.54	-1,060.84	-8,542.19	9,494.15	9,280.58	213.57	44.454			
5,700.00	5,232.40	5,246.40	5,246.40	38.18	181.44	118.76	-1,060.84	-8,542.19	9,517.18	9,299.81	217.37	43.783			
5,800.00	5,322.07	5,336.07	5,336.07	38.93	184.57	118.97	-1,060.84	-8,542.19	9,540.36	9,319.19	221.17	43.136			
5,900.00	5,411.74	5,425.74	5,425.74	39.68	187.70	119.19	-1,060.84	-8,542.19	9,563.69	9,338.72	224.97	42.512			
6,000.00	5,501.42	5,515.42	5,515.42	40.44	190.83	119.40	-1,060.84	-8,542.19	9,587.16	9,358.40	228.76	41.909			
6,100.00	5,591.09	5,605.09	5,605.09	41.19	193.96	119.61	-1,060.84	-8,542.19	9,610.79	9,378.23	232.56	41.326			
6,200.00	5,680.76	5,705.24	5,694.76	41.94	197.45	119.82	-1,060.84	-8,542.19	9,634.55	9,397.84	236.72	40.700			
6,300.00	5,770.43	5,784.43	5,784.43	42.70	200.22	120.03	-1,060.84	-8,542.19	9,658.47	9,418.32	240.15	40.219			
6,400.00	5,860.10	5,874.10	5,874.10	43.45	203.35	120.24	-1,060.84	-8,542.19	9,682.52	9,438.58	243.94	39.693			
6,500.00	5,949.77	5,963.77	5,963.77	44.20	206.48	120.45	-1,060.84	-8,542.19	9,706.72	9,458.99	247.73	39.183			
6,600.00	6,039.45	6,053.45	6,053.45	44.96	209.61	120.66	-1,060.84	-8,542.19	9,731.06	9,479.54	251.52	38.690			
6,700.00	6,129.12	6,143.12	6,143.12	45.71	212.74	120.87	-1,060.84	-8,542.19	9,755.53	9,500.23	255.30	38.211			
6,800.00	6,218.79	6,232.79	6,232.79	46.46	215.87	121.07	-1,060.84	-8,542.19	9,780.15	9,521.06	259.09	37.748			
6,900.00	6,308.46	6,322.46	6,322.46	47.22	219.00	121.28	-1,060.84	-8,542.19	9,804.91	9,542.03	262.88	37.299			
6,969.86	6,371.11	6,385.11	6,385.11	47.75	221.18	121.42	-1,060.84	-8,542.19	9,822.28	9,556.76	265.52	36.993			
7,000.00	6,398.25	6,412.25	6,412.25	47.97	222.13	116.18	-1,060.84	-8,542.19	9,829.11	9,562.45	266.66	36.860			
7,050.00	6,443.70	6,457.70	6,457.70	48.31	223.72	106.70	-1,060.84	-8,542.19	9,837.41	9,568.85	268.55	36.631			
7,100.00	6,489.42	6,503.42	6,503.42	48.61	225.31	96.65	-1,060.84	-8,542.19	9,841.87	9,571.44	270.43	36.393			
7,150.00	6,535.12	6,549.12	6,549.12	48.87	226.91	86.67	-1,060.84	-8,542.19	9,842.49	9,570.21	272.28	36.148			
7,200.00	6,580.53	6,605.47	6,594.53	49.09	228.88	77.40	-1,060.84	-8,542.19	9,839.26	9,564.80	274.47	35.848			
7,250.00	6,625.36	6,639.36	6,639.36	49.27	230.06	69.28	-1,060.84	-8,542.19	9,832.21	9,556.37	275.83	35.646			
7,300.00	6,669.35	6,683.35	6,683.35	49.42	231.59	62.45	-1,060.84	-8,542.19	9,821.36	9,543.86	277.51	35.391			
7,350.00	6,712.21	6,726.21	6,726.21	49.55	233.09	56.87	-1,060.84	-8,542.19	9,806.81	9,527.70	279.11	35.136			
7,400.00	6,753.69	6,767.69	6,767.69	49.65	234.54	52.41	-1,060.84	-8,542.19	9,788.62	9,508.00	280.62	34.882			
7,450.00	6,793.52	6,807.52	6,807.52	49.73	235.93	48.89	-1,060.84	-8,542.19	9,766.93	9,484.88	282.05	34.628			
7,500.00	6,831.47	6,845.47	6,845.47	49.81	237.25	46.17	-1,060.84	-8,542.19	9,741.85	9,458.46	283.39	34.377			
7,550.00	6,867.30	6,881.30	6,881.30	49.88	238.50	44.14	-1,060.84	-8,542.19	9,713.54	9,428.92	284.62	34.128			
7,600.00	6,900.78	6,914.78	6,914.78	49.95	239.67	42.73	-1,060.84	-8,542.19	9,682.18	9,396.42	285.76	33.882			
7,650.00	6,931.72	6,945.72	6,945.72	50.03	240.75	41.87	-1,060.84	-8,542.19	9,647.94	9,361.15	286.79	33.641			
7,700.00	6,959.92	6,973.92	6,973.92	50.11	241.74	41.57	-1,060.84	-8,542.19	9,611.05	9,323.33	287.72	33.405			
7,750.00	6,985.20	7,000.80	6,999.20	50.20	242.68	41.84	-1,060.84	-8,542.19	9,571.72	9,283.13	288.59	33.167			
7,800.00	7,007.41	7,021.41	7,021.41	50.30	243.39	42.78	-1,060.84	-8,542.19	9,530.19	9,240.95	289.24	32.949			
7,850.00	7,026.42	7,040.42	7,040.42	50.42	244.06	44.55	-1,060.84	-8,542.19	9,486.71	9,196.87	289.84	32.731			
7,900.00	7,042.11	7,056.11	7,056.11	50.57	244.61	47.44	-1,060.84	-8,542.19	9,441.55	9,151.22	290.32	32.521			
7,950.00	7,054.37	7,068.37	7,068.37	50.73	245.03	52.03	-1,060.84	-8,542.19	9,394.97	9,104.27	290.69	32.319			
8,000.00	7,063.14	7,077.14	7,077.14	50.92	245.34	56.36	-1,060.84	-8,542.19	9,347.26	9,056.31	290.95	32.127			
8,050.00	7,068.36	7,082.36	7,082.36	51.13	245.52	71.40	-1,060.84	-8,542.19	9,298.71	9,007.61	291.09	31.944			
8,094.17	7,070.00	7,084.00	7,084.00	51.34	245.58	88.30	-1,060.84	-8,542.19	9,255.35	8,964.22	291.13	31.791			
8,100.00	7,070.03	7,084.03	7,084.03	51.37	245.58	88.30	-1,060.84	-8,542.19	9,249.61	8,958.48	291.13	31.772			
8,200.00	7,070.55	7,084.55	7,084.55	51.94	245.60	88.32	-1,060.84	-8,542.19	9,151.14	8,860.04	291.10	31.436			
8,300.00	7,071.07	7,085.07	7,085.07	52.64	245.62	88.34	-1,060.84	-8,542.19	9,052.70	8,761.62	291.08	31.100			
8,400.00	7,071.60	7,085.60	7,085.60	53.49	245.64	88.35	-1,060.84	-8,542.19	8,954.30	8,663.23	291.07	30.763			
8,500.00	7,072.12	7,086.12	7,086.12	54.50	245.65	88.37	-1,060.84	-8,542.19	8,855.94	8,564.87	291.07	30.426			
8,600.00	7,072.64	7,086.64	7,086.64	55.69	245.67	88.39	-1,060.84	-8,542.19	8,757.61	8,466.54	291.07	30.087			

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,087.17	7,087.17	57.04	245.69	88.41	-1,060.84	-8,542.19	8,659.32	8,368.24	291.08	29.749		
8,800.00	7,073.69	7,087.69	7,087.69	58.55	245.71	88.43	-1,060.84	-8,542.19	8,561.07	8,269.97	291.10	29.409		
8,900.00	7,074.21	7,088.21	7,088.21	60.21	245.73	88.45	-1,060.84	-8,542.19	8,462.87	8,171.73	291.13	29.069		
9,000.00	7,074.74	7,088.74	7,088.74	61.99	245.74	88.47	-1,060.84	-8,542.19	8,364.70	8,073.52	291.17	28.727		
9,100.00	7,075.26	7,089.26	7,089.26	63.88	245.76	88.48	-1,060.84	-8,542.19	8,266.58	7,975.35	291.22	28.386		
9,200.00	7,075.78	7,089.78	7,089.78	65.87	245.78	88.50	-1,060.84	-8,542.19	8,168.50	7,877.21	291.29	28.043		
9,300.00	7,076.30	7,109.70	7,090.30	67.95	246.48	88.52	-1,060.84	-8,542.19	8,070.47	7,778.43	292.04	27.635		
9,400.00	7,076.83	7,109.17	7,090.83	70.09	246.46	88.54	-1,060.84	-8,542.19	7,972.49	7,680.40	292.09	27.295		
9,500.00	7,077.35	7,108.65	7,091.35	72.30	246.44	88.56	-1,060.84	-8,542.19	7,874.56	7,582.41	292.15	26.954		
9,600.00	7,077.87	7,108.13	7,091.87	74.57	246.42	88.58	-1,060.84	-8,542.19	7,776.68	7,484.46	292.23	26.612		
9,700.00	7,078.40	7,107.60	7,092.40	76.88	246.40	88.60	-1,060.84	-8,542.19	7,678.86	7,386.54	292.32	26.269		
9,800.00	7,078.92	7,107.08	7,092.92	79.24	246.38	88.62	-1,060.84	-8,542.19	7,581.09	7,288.67	292.43	25.925		
9,900.00	7,079.44	7,106.56	7,093.44	81.63	246.37	88.63	-1,060.84	-8,542.19	7,483.39	7,190.83	292.56	25.579		
10,000.00	7,079.97	7,106.03	7,093.97	84.06	246.35	88.65	-1,060.84	-8,542.19	7,385.74	7,093.04	292.70	25.233		
10,100.00	7,080.49	7,105.51	7,094.49	86.52	246.33	88.67	-1,060.84	-8,542.19	7,288.16	6,995.30	292.86	24.886		
10,200.00	7,081.01	7,104.99	7,095.01	89.01	246.31	88.69	-1,060.84	-8,542.19	7,190.65	6,897.60	293.05	24.538		
10,300.00	7,081.54	7,104.47	7,095.54	91.52	246.29	88.71	-1,060.84	-8,542.19	7,093.20	6,799.95	293.25	24.188		
10,400.00	7,082.06	7,103.94	7,096.06	94.05	246.28	88.73	-1,060.84	-8,542.19	6,995.83	6,702.35	293.48	23.837		
10,500.00	7,082.58	7,103.42	7,096.58	96.61	246.26	88.75	-1,060.84	-8,542.19	6,898.53	6,604.79	293.73	23.486		
10,600.00	7,083.10	7,102.90	7,097.10	99.18	246.24	88.76	-1,060.84	-8,542.19	6,801.31	6,507.30	294.01	23.133		
10,700.00	7,083.63	7,102.37	7,097.63	101.77	246.22	88.78	-1,060.84	-8,542.19	6,704.17	6,409.85	294.32	22.779		
10,800.00	7,084.15	7,101.85	7,098.15	104.38	246.20	88.80	-1,060.84	-8,542.19	6,607.11	6,312.46	294.65	22.424		
10,900.00	7,084.67	7,101.33	7,098.67	107.00	246.18	88.82	-1,060.84	-8,542.19	6,510.15	6,215.14	295.01	22.067		
11,000.00	7,085.20	7,100.80	7,099.20	109.63	246.17	88.84	-1,060.84	-8,542.19	6,413.28	6,117.87	295.41	21.710		
11,100.00	7,085.72	7,100.28	7,099.72	112.27	246.15	88.86	-1,060.84	-8,542.19	6,316.51	6,020.66	295.84	21.351		
11,200.00	7,086.24	7,100.24	7,100.24	114.93	246.15	88.88	-1,060.84	-8,542.19	6,219.83	5,923.51	296.32	20.990		
11,300.00	7,086.77	7,100.77	7,100.77	117.59	246.16	88.90	-1,060.84	-8,542.19	6,123.27	5,826.40	296.86	20.626		
11,400.00	7,087.29	7,101.29	7,101.29	120.27	246.18	88.91	-1,060.84	-8,542.19	6,026.82	5,729.37	297.44	20.262		
11,500.00	7,087.81	7,101.81	7,101.81	122.95	246.20	88.93	-1,060.84	-8,542.19	5,930.48	5,632.41	298.07	19.896		
11,600.00	7,088.33	7,102.33	7,102.33	125.64	246.22	88.95	-1,060.84	-8,542.19	5,834.27	5,535.53	298.73	19.530		
11,700.00	7,088.86	7,102.86	7,102.86	128.34	246.24	88.97	-1,060.84	-8,542.19	5,738.19	5,438.74	299.45	19.163		
11,800.00	7,089.38	7,103.38	7,103.38	131.05	246.26	88.99	-1,060.84	-8,542.19	5,642.24	5,342.03	300.21	18.794		
11,900.00	7,089.90	7,103.90	7,103.90	133.76	246.27	89.01	-1,060.84	-8,542.19	5,546.44	5,245.41	301.02	18.425		
12,000.00	7,090.43	7,104.43	7,104.43	136.49	246.29	89.03	-1,060.84	-8,542.19	5,450.78	5,148.89	301.89	18.055		
12,100.00	7,090.95	7,104.95	7,104.95	139.21	246.31	89.05	-1,060.84	-8,542.19	5,355.29	5,052.47	302.82	17.685		
12,200.00	7,091.47	7,105.47	7,105.47	141.94	246.33	89.06	-1,060.84	-8,542.19	5,259.96	4,956.15	303.81	17.313		
12,300.00	7,092.00	7,106.00	7,106.00	144.68	246.35	89.08	-1,060.84	-8,542.19	5,164.81	4,859.95	304.86	16.942		
12,400.00	7,092.52	7,106.52	7,106.52	147.42	246.37	89.10	-1,060.84	-8,542.19	5,069.85	4,763.87	305.98	16.569		
12,500.00	7,093.04	7,107.04	7,107.04	150.17	246.38	89.12	-1,060.84	-8,542.19	4,975.08	4,667.92	307.17	16.197		
12,600.00	7,093.57	7,107.57	7,107.57	152.92	246.40	89.14	-1,060.84	-8,542.19	4,880.53	4,572.09	308.43	15.824		
12,700.00	7,094.09	7,108.09	7,108.09	155.67	246.42	89.16	-1,060.84	-8,542.19	4,786.19	4,476.41	309.78	15.450		
12,800.00	7,094.61	7,108.61	7,108.61	158.43	246.44	89.18	-1,060.84	-8,542.19	4,692.09	4,380.89	311.20	15.077		
12,900.00	7,095.13	7,109.13	7,109.13	161.19	246.46	89.19	-1,060.84	-8,542.19	4,598.24	4,285.52	312.72	14.704		
13,000.00	7,095.66	7,109.66	7,109.66	163.96	246.47	89.21	-1,060.84	-8,542.19	4,504.65	4,190.33	314.32	14.331		
13,100.00	7,096.18	7,110.18	7,110.18	166.73	246.49	89.23	-1,060.84	-8,542.19	4,411.34	4,095.32	316.03	13.959		
13,200.00	7,096.70	7,110.70	7,110.70	169.50	246.51	89.25	-1,060.84	-8,542.19	4,318.34	4,000.51	317.83	13.587		
13,256.62	7,097.00	7,111.00	7,111.00	171.07	246.52	89.26	-1,060.84	-8,542.19	4,265.82	3,946.92	318.90	13.377 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-78.99	1,638.99	-8,425.86	8,583.78					
100.00	100.00	126.00	126.00	3.28	4.22	-78.99	1,638.99	-8,425.86	8,583.78	8,576.28	7.50	1,143.982		
200.00	200.00	226.00	226.00	3.34	6.96	-78.99	1,638.99	-8,425.86	8,583.78	8,573.48	10.30	833.225		
300.00	300.00	326.00	326.00	3.44	10.18	-78.99	1,638.99	-8,425.86	8,583.78	8,570.16	13.62	630.092		
400.00	399.98	425.98	425.98	3.60	13.53	127.51	1,638.99	-8,425.86	8,584.85	8,567.72	17.12	501.309		
500.00	499.84	525.84	525.84	3.79	16.93	127.49	1,638.99	-8,425.86	8,588.04	8,567.32	20.72	414.515		
600.00	599.45	625.45	625.45	4.02	20.36	127.45	1,638.99	-8,425.86	8,593.35	8,568.98	24.37	352.569		
700.00	698.70	724.70	724.70	4.29	23.78	127.39	1,638.99	-8,425.86	8,600.79	8,572.72	28.07	306.407		
800.00	797.47	823.47	823.47	4.59	27.20	127.32	1,638.99	-8,425.86	8,610.36	8,578.57	31.79	270.823		
900.00	895.62	921.62	921.62	4.93	30.60	127.24	1,638.99	-8,425.86	8,622.05	8,586.52	35.53	242.644		
1,000.00	993.06	1,019.06	1,019.06	5.31	33.99	127.13	1,638.99	-8,425.86	8,635.87	8,596.59	39.28	219.836		
1,100.00	1,089.64	1,115.64	1,115.64	5.72	37.35	127.01	1,638.99	-8,425.86	8,651.82	8,608.78	43.04	201.040		
1,200.00	1,185.27	1,211.27	1,211.27	6.16	40.67	126.86	1,638.99	-8,425.86	8,669.89	8,623.10	46.78	185.316		
1,300.00	1,279.82	1,305.82	1,305.82	6.64	43.96	126.70	1,638.99	-8,425.86	8,690.08	8,639.56	50.53	171.993		
1,400.00	1,373.17	1,400.83	1,399.17	7.16	47.27	126.51	1,638.99	-8,425.86	8,712.40	8,658.08	54.31	160.410		
1,500.00	1,465.21	1,508.79	1,491.21	7.71	51.03	126.30	1,638.99	-8,425.86	8,736.83	8,678.25	58.58	149.141		
1,600.00	1,555.84	1,581.84	1,581.84	8.31	53.58	126.07	1,638.99	-8,425.86	8,763.37	8,701.71	61.66	142.116		
1,613.50	1,567.96	1,606.04	1,593.96	8.39	54.42	126.04	1,638.99	-8,425.86	8,767.12	8,704.54	62.58	140.087		
1,700.00	1,645.53	1,671.53	1,671.53	8.93	56.70	126.22	1,638.99	-8,425.86	8,791.29	8,725.94	65.35	134.531		
1,800.00	1,735.20	1,761.20	1,761.20	9.58	59.83	126.44	1,638.99	-8,425.86	8,819.36	8,750.31	69.04	127.735		
1,900.00	1,824.87	1,850.87	1,850.87	10.25	62.95	126.66	1,638.99	-8,425.86	8,847.56	8,774.80	72.75	121.610		
2,000.00	1,914.54	1,940.54	1,940.54	10.92	66.08	126.87	1,638.99	-8,425.86	8,875.89	8,799.41	76.47	116.066		
2,100.00	2,004.21	2,030.21	2,030.21	11.61	69.21	127.08	1,638.99	-8,425.86	8,904.35	8,824.15	80.20	111.027		
2,200.00	2,093.89	2,119.89	2,119.89	12.30	72.33	127.30	1,638.99	-8,425.86	8,932.94	8,849.00	83.93	106.428		
2,300.00	2,183.56	2,209.56	2,209.56	13.01	75.46	127.51	1,638.99	-8,425.86	8,961.65	8,873.98	87.67	102.216		
2,400.00	2,273.23	2,300.77	2,299.23	13.71	78.64	127.72	1,638.99	-8,425.86	8,990.50	8,899.03	91.47	98.288		
2,500.00	2,362.90	2,388.90	2,388.90	14.43	81.72	127.92	1,638.99	-8,425.86	9,019.47	8,924.30	95.16	94.778		
2,600.00	2,452.57	2,478.57	2,478.57	15.14	84.85	128.13	1,638.99	-8,425.86	9,048.56	8,949.64	98.91	91.479		
2,700.00	2,542.25	2,568.25	2,568.25	15.87	87.97	128.34	1,638.99	-8,425.86	9,077.77	8,975.10	102.67	88.420		
2,800.00	2,631.92	2,657.92	2,657.92	16.59	91.10	128.54	1,638.99	-8,425.86	9,107.11	9,000.69	106.42	85.576		
2,900.00	2,721.59	2,747.59	2,747.59	17.32	94.23	128.75	1,638.99	-8,425.86	9,136.56	9,026.39	110.18	82.926		
3,000.00	2,811.26	2,837.26	2,837.26	18.05	97.36	128.95	1,638.99	-8,425.86	9,166.14	9,052.20	113.93	80.451		
3,100.00	2,900.93	2,926.93	2,926.93	18.78	100.49	129.15	1,638.99	-8,425.86	9,195.83	9,078.14	117.69	78.135		
3,200.00	2,990.60	3,016.60	3,016.60	19.51	103.62	129.35	1,638.99	-8,425.86	9,225.64	9,104.19	121.45	75.963		
3,300.00	3,080.28	3,106.28	3,106.28	20.25	106.75	129.55	1,638.99	-8,425.86	9,255.57	9,130.36	125.21	73.921		
3,400.00	3,169.95	3,204.05	3,195.95	20.99	110.16	129.75	1,638.99	-8,425.86	9,285.61	9,156.36	129.25	71.842		
3,500.00	3,259.62	3,285.62	3,285.62	21.73	113.00	129.94	1,638.99	-8,425.86	9,315.76	9,183.03	132.73	70.188		
3,600.00	3,349.29	3,375.29	3,375.29	22.47	116.13	130.14	1,638.99	-8,425.86	9,346.02	9,209.54	136.48	68.477		
3,700.00	3,438.96	3,464.96	3,464.96	23.21	119.26	130.34	1,638.99	-8,425.86	9,376.40	9,236.16	140.24	66.858		
3,800.00	3,528.64	3,554.64	3,554.64	23.95	122.39	130.53	1,638.99	-8,425.86	9,406.89	9,262.89	144.00	65.325		
3,900.00	3,618.31	3,644.31	3,644.31	24.69	125.52	130.72	1,638.99	-8,425.86	9,437.48	9,289.72	147.76	63.871		
4,000.00	3,707.98	3,733.98	3,733.98	25.44	128.65	130.91	1,638.99	-8,425.86	9,468.19	9,316.67	151.52	62.489		
4,100.00	3,797.65	3,823.65	3,823.65	26.18	131.78	131.10	1,638.99	-8,425.86	9,499.00	9,343.73	155.27	61.176		
4,200.00	3,887.32	3,913.32	3,913.32	26.93	134.91	131.29	1,638.99	-8,425.86	9,529.92	9,370.89	159.03	59.925		
4,300.00	3,976.99	4,002.99	4,002.99	27.68	138.04	131.48	1,638.99	-8,425.86	9,560.94	9,398.15	162.79	58.733		
4,400.00	4,066.67	4,102.33	4,092.67	28.42	141.68	131.67	1,638.99	-8,425.86	9,592.06	9,425.01	167.05	57.419		
4,500.00	4,156.34	4,182.34	4,182.34	29.17	144.30	131.85	1,638.99	-8,425.86	9,623.29	9,453.00	170.29	56.510		
4,600.00	4,246.01	4,272.01	4,272.01	29.92	147.43	132.04	1,638.99	-8,425.86	9,654.62	9,480.57	174.05	55.471		
4,700.00	4,335.68	4,361.68	4,361.68	30.67	150.56	132.22	1,638.99	-8,425.86	9,686.05	9,508.25	177.80	54.477		
4,800.00	4,425.35	4,451.35	4,451.35	31.42	153.69	132.40	1,638.99	-8,425.86	9,717.59	9,536.03	181.55	53.525		
4,900.00	4,515.03	4,541.03	4,541.03	32.17	156.82	132.59	1,638.99	-8,425.86	9,749.22	9,563.91	185.30	52.612		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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			
5,000.00	4,604.70	4,630.70	4,630.70	32.92	159.95	132.77	1,638.99	-8,425.86	9,780.94	9,591.89	189.05	51.736			
5,100.00	4,694.37	4,720.37	4,720.37	33.67	163.08	132.95	1,638.99	-8,425.86	9,812.77	9,619.97	192.80	50.895			
5,200.00	4,784.04	4,810.04	4,810.04	34.42	166.21	133.12	1,638.99	-8,425.86	9,844.69	9,648.14	196.55	50.087			
5,300.00	4,873.71	4,900.29	4,899.71	35.17	169.36	133.30	1,638.99	-8,425.86	9,876.71	9,676.39	200.32	49.305			
5,400.00	4,963.38	4,989.38	4,989.38	35.92	172.47	133.48	1,638.99	-8,425.86	9,908.82	9,704.77	204.05	48.561			
5,500.00	5,053.06	5,079.06	5,079.06	36.67	175.60	133.65	1,638.99	-8,425.86	9,941.02	9,733.23	207.79	47.841			
5,600.00	5,142.73	5,168.73	5,168.73	37.43	178.73	133.83	1,638.99	-8,425.86	9,973.32	9,761.78	211.54	47.147			
8,094.17	7,070.00	7,104.00	7,096.00	51.34	246.28	89.37	1,638.99	-8,425.86	9,982.28	9,693.51	288.77	34.569			
8,100.00	7,070.03	7,103.97	7,096.03	51.37	246.28	89.37	1,638.99	-8,425.86	9,977.02	9,688.25	288.77	34.550			
8,200.00	7,070.55	7,103.45	7,096.55	51.94	246.26	89.38	1,638.99	-8,425.86	9,986.89	9,598.07	288.82	34.232			
8,300.00	7,071.07	7,102.93	7,097.07	52.64	246.24	89.39	1,638.99	-8,425.86	9,996.96	9,508.05	288.92	33.909			
8,400.00	7,071.60	7,102.40	7,097.60	53.49	246.22	89.39	1,638.99	-8,425.86	9,970.23	9,418.17	289.06	33.582			
8,500.00	7,072.12	7,101.88	7,098.12	54.50	246.20	89.40	1,638.99	-8,425.86	9,917.70	9,328.45	289.25	33.251			
8,600.00	7,072.64	7,101.36	7,098.64	55.69	246.19	89.41	1,638.99	-8,425.86	9,528.37	9,238.88	289.49	32.914			
8,700.00	7,073.17	7,100.83	7,099.17	57.04	246.17	89.41	1,638.99	-8,425.86	9,439.26	9,149.48	289.78	32.574			
8,800.00	7,073.69	7,100.31	7,099.69	58.55	246.15	89.42	1,638.99	-8,425.86	9,350.37	9,060.24	290.13	32.228			
8,900.00	7,074.21	7,100.21	7,100.21	60.21	246.15	89.43	1,638.99	-8,425.86	9,261.71	8,971.16	290.55	31.877			
9,000.00	7,074.74	7,100.74	7,100.74	61.99	246.16	89.44	1,638.99	-8,425.86	9,173.28	8,882.23	291.04	31.519			
9,100.00	7,075.26	7,101.26	7,101.26	63.88	246.18	89.44	1,638.99	-8,425.86	9,085.09	8,793.49	291.60	31.156			
9,200.00	7,075.78	7,101.78	7,101.78	65.87	246.20	89.45	1,638.99	-8,425.86	8,997.14	8,704.93	292.21	30.790			
9,300.00	7,076.30	7,102.30	7,102.30	67.95	246.22	89.46	1,638.99	-8,425.86	8,909.45	8,616.57	292.89	30.419			
9,400.00	7,076.83	7,102.83	7,102.83	70.09	246.24	89.46	1,638.99	-8,425.86	8,822.03	8,528.40	293.62	30.045			
9,500.00	7,077.35	7,103.35	7,103.35	72.30	246.25	89.47	1,638.99	-8,425.86	8,734.87	8,440.45	294.42	29.668			
9,600.00	7,077.87	7,103.87	7,103.87	74.57	246.27	89.48	1,638.99	-8,425.86	8,647.99	8,352.70	295.29	29.287			
9,700.00	7,078.40	7,104.40	7,104.40	76.88	246.29	89.48	1,638.99	-8,425.86	8,561.40	8,265.18	296.22	28.903			
9,800.00	7,078.92	7,104.92	7,104.92	79.24	246.31	89.49	1,638.99	-8,425.86	8,475.10	8,177.89	297.21	28.516			
9,900.00	7,079.44	7,105.44	7,105.44	81.63	246.33	89.50	1,638.99	-8,425.86	8,389.11	8,090.84	298.27	28.126			
10,000.00	7,079.97	7,105.97	7,105.97	84.06	246.35	89.51	1,638.99	-8,425.86	8,303.43	8,004.04	299.39	27.735			
10,100.00	7,080.49	7,106.49	7,106.49	86.52	246.36	89.51	1,638.99	-8,425.86	8,218.07	7,917.49	300.58	27.341			
10,200.00	7,081.01	7,107.01	7,107.01	89.01	246.38	89.52	1,638.99	-8,425.86	8,133.05	7,831.21	301.83	26.945			
10,300.00	7,081.54	7,107.54	7,107.54	91.52	246.40	89.53	1,638.99	-8,425.86	8,048.37	7,745.21	303.16	26.549			
10,400.00	7,082.06	7,108.06	7,108.06	94.05	246.42	89.53	1,638.99	-8,425.86	7,964.05	7,659.50	304.55	26.151			
10,500.00	7,082.58	7,108.58	7,108.58	96.61	246.44	89.54	1,638.99	-8,425.86	7,880.09	7,574.09	306.00	25.752			
10,600.00	7,083.10	7,109.10	7,109.10	99.18	246.46	89.55	1,638.99	-8,425.86	7,796.51	7,488.99	307.52	25.352			
10,700.00	7,083.63	7,109.63	7,109.63	101.77	246.47	89.55	1,638.99	-8,425.86	7,713.32	7,404.21	309.12	24.953			
10,800.00	7,084.15	7,110.15	7,110.15	104.38	246.49	89.56	1,638.99	-8,425.86	7,630.54	7,319.77	310.77	24.553			
10,900.00	7,084.67	7,110.67	7,110.67	107.00	246.51	89.57	1,638.99	-8,425.86	7,548.17	7,235.67	312.50	24.154			
11,000.00	7,085.20	7,111.20	7,111.20	109.63	246.53	89.58	1,638.99	-8,425.86	7,466.24	7,151.94	314.29	23.756			
11,100.00	7,085.72	7,111.72	7,111.72	112.27	246.55	89.58	1,638.99	-8,425.86	7,384.75	7,068.59	316.15	23.358			
11,200.00	7,086.24	7,112.24	7,112.24	114.93	246.57	89.59	1,638.99	-8,425.86	7,303.72	6,985.63	318.08	22.962			
11,300.00	7,086.77	7,112.77	7,112.77	117.59	246.58	89.60	1,638.99	-8,425.86	7,223.16	6,903.08	320.08	22.566			
11,400.00	7,087.29	7,113.29	7,113.29	120.27	246.60	89.60	1,638.99	-8,425.86	7,143.10	6,820.94	322.15	22.173			
11,500.00	7,087.81	7,113.81	7,113.81	122.95	246.62	89.61	1,638.99	-8,425.86	7,063.54	6,739.25	324.29	21.782			
11,600.00	7,088.33	7,114.33	7,114.33	125.64	246.64	89.62	1,638.99	-8,425.86	6,984.51	6,658.02	326.49	21.392			
11,700.00	7,088.86	7,114.86	7,114.86	128.34	246.66	89.62	1,638.99	-8,425.86	6,906.02	6,577.25	328.77	21.006			
11,800.00	7,089.38	7,115.38	7,115.38	131.05	246.67	89.63	1,638.99	-8,425.86	6,828.10	6,496.98	331.12	20.621			
11,900.00	7,089.90	7,115.90	7,115.90	133.76	246.69	89.64	1,638.99	-8,425.86	6,750.76	6,417.22	333.53	20.240			
12,000.00	7,090.43	7,116.43	7,116.43	136.49	246.71	89.64	1,638.99	-8,425.86	6,674.01	6,337.99	336.02	19.862			
12,100.00	7,090.95	7,116.95	7,116.95	139.21	246.73	89.65	1,638.99	-8,425.86	6,597.90	6,259.32	338.58	19.487			
12,200.00	7,091.47	7,117.47	7,117.47	141.94	246.75	89.66	1,638.99	-8,425.86	6,522.42	6,181.21	341.21	19.116			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design										Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH				Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)				
12,300.00	7,092.00	7,118.00	7,118.00	144.68	246.77	89.67	1,638.99	-8,425.86		6,447.62	6,103.71	343.91	18.748			
12,400.00	7,092.52	7,118.52	7,118.52	147.42	246.78	89.67	1,638.99	-8,425.86		6,373.50	6,026.82	346.69	18.384			
12,500.00	7,093.04	7,119.04	7,119.04	150.17	246.80	89.68	1,638.99	-8,425.86		6,300.11	5,950.57	349.53	18.024			
12,600.00	7,093.57	7,119.57	7,119.57	152.92	246.82	89.69	1,638.99	-8,425.86		6,227.45	5,875.00	352.45	17.669			
12,700.00	7,094.09	7,120.09	7,120.09	155.67	246.84	89.69	1,638.99	-8,425.86		6,155.56	5,800.11	355.44	17.318			
12,800.00	7,094.61	7,120.61	7,120.61	158.43	246.86	89.70	1,638.99	-8,425.86		6,084.46	5,725.95	358.51	16.972			
12,900.00	7,095.13	7,121.13	7,121.13	161.19	246.88	89.71	1,638.99	-8,425.86		6,014.18	5,652.54	361.65	16.630			
13,000.00	7,095.66	7,121.66	7,121.66	163.96	246.89	89.71	1,638.99	-8,425.86		5,944.76	5,579.90	364.86	16.293			
13,100.00	7,096.18	7,122.18	7,122.18	166.73	246.91	89.72	1,638.99	-8,425.86		5,876.22	5,508.08	368.14	15.962			
13,200.00	7,096.70	7,122.70	7,122.70	169.50	246.93	89.73	1,638.99	-8,425.86		5,808.59	5,437.09	371.50	15.636			
13,256.62	7,097.00	7,123.00	7,123.00	171.07	246.94	89.73	1,638.99	-8,425.86		5,770.72	5,397.29	373.43	15.453 CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-166.51	-2,576.00	-618.00	2,649.11					
100.00	100.00	83.71	83.71	3.28	3.28	-166.51	-2,576.11	-618.01	2,649.22	2,642.65	6.57	403.251		
200.00	200.00	188.62	188.62	3.34	3.33	-166.51	-2,576.38	-617.92	2,649.44	2,642.77	6.67	397.196		
300.00	300.00	282.77	282.77	3.44	3.43	-166.52	-2,576.58	-617.76	2,649.62	2,642.74	6.87	385.507		
400.00	399.98	382.17	382.17	3.60	3.58	40.03	-2,576.91	-617.85	2,648.63	2,641.45	7.17	369.328		
500.00	499.84	484.62	484.62	3.79	3.77	40.16	-2,577.17	-618.03	2,644.91	2,637.35	7.56	349.893		
600.00	599.45	583.29	583.29	4.02	4.00	40.36	-2,577.40	-618.12	2,638.49	2,630.47	8.02	329.059		
700.00	698.70	693.59	693.59	4.29	4.28	40.67	-2,577.53	-618.04	2,629.30	2,620.72	8.58	306.621		
800.00	797.47	784.97	784.97	4.59	4.55	41.03	-2,577.51	-618.01	2,617.37	2,608.23	9.14	286.447		
900.00	895.62	879.74	879.74	4.93	4.83	41.49	-2,577.67	-618.22	2,603.13	2,593.37	9.76	266.762		
1,000.00	993.06	992.03	992.03	5.31	5.20	42.10	-2,577.70	-618.26	2,586.21	2,575.73	10.48	246.812		
1,100.00	1,089.64	1,079.89	1,079.89	5.72	5.49	42.71	-2,577.56	-618.19	2,566.63	2,555.47	11.16	230.026		
1,200.00	1,185.27	1,173.09	1,173.09	6.16	5.82	43.44	-2,577.65	-618.26	2,544.94	2,533.05	11.89	214.009		
1,300.00	1,279.82	1,266.01	1,266.00	6.64	6.15	44.27	-2,577.78	-618.29	2,521.00	2,508.34	12.66	199.145		
1,400.00	1,373.17	1,360.41	1,360.41	7.16	6.50	45.22	-2,577.98	-618.27	2,494.89	2,481.42	13.46	185.291		
1,500.00	1,465.21	1,453.44	1,453.44	7.71	6.84	46.26	-2,578.13	-618.16	2,466.60	2,452.30	14.30	172.505		
1,600.00	1,555.84	1,544.98	1,544.97	8.31	7.19	47.42	-2,578.25	-618.09	2,436.31	2,421.15	15.16	160.693		
1,613.50	1,567.96	1,557.42	1,557.42	8.39	7.24	47.58	-2,578.27	-618.07	2,432.08	2,416.79	15.28	159.133		
1,700.00	1,645.53	1,635.10	1,635.09	8.93	7.54	48.21	-2,578.38	-617.83	2,404.94	2,388.89	16.05	149.870		
1,800.00	1,735.20	1,723.29	1,723.28	9.58	7.88	48.95	-2,578.46	-617.91	2,374.00	2,357.06	16.95	140.087		
1,900.00	1,824.87	1,816.06	1,816.05	10.25	8.24	49.74	-2,578.56	-617.83	2,343.46	2,325.58	17.88	131.038		
2,000.00	1,914.54	1,912.74	1,912.73	10.92	8.62	50.59	-2,578.42	-617.75	2,313.15	2,294.30	18.85	122.694		
2,100.00	2,004.21	1,988.50	1,988.49	11.61	8.92	51.27	-2,578.42	-617.89	2,283.50	2,263.72	19.77	115.497		
2,200.00	2,093.89	2,077.51	2,077.50	12.30	9.27	52.10	-2,578.62	-618.21	2,254.58	2,233.83	20.75	108.646		
2,300.00	2,183.56	2,173.75	2,173.74	13.01	9.66	53.01	-2,578.67	-618.61	2,226.05	2,204.28	21.77	102.247		
2,400.00	2,273.23	2,266.14	2,266.13	13.71	10.03	53.90	-2,578.49	-618.89	2,197.79	2,175.00	22.79	96.428		
2,500.00	2,362.90	2,360.75	2,360.74	14.43	10.41	54.84	-2,578.25	-619.02	2,169.99	2,146.15	23.83	91.049		
2,600.00	2,452.57	2,453.10	2,453.09	15.14	10.78	55.77	-2,577.91	-618.84	2,142.50	2,117.62	24.88	86.116		
2,700.00	2,542.25	2,542.72	2,542.71	15.87	11.15	56.69	-2,577.57	-618.63	2,115.58	2,089.65	25.93	81.589		
2,800.00	2,631.92	2,631.78	2,631.77	16.59	11.51	57.62	-2,577.21	-618.45	2,089.25	2,062.26	26.99	77.406		
2,900.00	2,721.59	2,718.45	2,718.44	17.32	11.87	58.55	-2,577.03	-618.12	2,063.63	2,035.57	28.06	73.552		
3,000.00	2,811.26	2,803.04	2,803.03	18.05	12.21	59.46	-2,577.03	-617.85	2,038.83	2,009.70	29.13	69.995		
3,100.00	2,900.93	2,895.04	2,895.03	18.78	12.59	60.49	-2,576.94	-617.83	2,014.75	1,984.52	30.23	66.640		
3,200.00	2,990.60	2,985.30	2,985.29	19.51	12.97	61.53	-2,576.66	-618.00	1,991.30	1,959.96	31.34	63.530		
3,300.00	3,080.28	3,071.85	3,071.84	20.25	13.32	62.54	-2,576.47	-618.08	1,968.63	1,936.17	32.45	60.658		
3,400.00	3,169.95	3,157.27	3,157.26	20.99	13.68	63.55	-2,576.56	-618.06	1,946.87	1,913.30	33.57	57.993		
3,500.00	3,259.62	3,244.85	3,244.84	21.73	14.04	64.60	-2,576.74	-618.24	1,926.07	1,891.36	34.70	55.502		
3,600.00	3,349.29	3,334.65	3,334.63	22.47	14.42	65.70	-2,577.11	-618.18	1,906.07	1,870.22	35.85	53.168		
3,700.00	3,438.96	3,423.27	3,423.25	23.21	14.78	66.79	-2,577.52	-618.10	1,886.91	1,849.91	37.00	50.996		
3,800.00	3,528.64	3,510.96	3,510.94	23.95	15.15	67.89	-2,578.01	-618.06	1,868.67	1,830.51	38.16	48.974		
3,900.00	3,618.31	3,598.04	3,598.03	24.69	15.52	69.00	-2,578.61	-618.07	1,851.41	1,812.09	39.32	47.089		
4,000.00	3,707.98	3,686.71	3,686.69	25.44	15.89	70.15	-2,579.31	-618.14	1,835.13	1,794.64	40.49	45.325		
4,100.00	3,797.65	3,777.86	3,777.84	26.18	16.27	71.35	-2,580.04	-618.21	1,819.77	1,778.09	41.67	43.668		
4,200.00	3,887.32	3,869.10	3,869.07	26.93	16.65	72.56	-2,580.73	-618.22	1,805.25	1,762.39	42.86	42.118		
4,300.00	3,976.99	3,957.10	3,957.07	27.68	17.02	73.74	-2,581.44	-618.16	1,791.68	1,747.63	44.04	40.679		
4,400.00	4,066.67	4,045.30	4,045.26	28.42	17.39	74.94	-2,582.30	-618.17	1,779.21	1,733.98	45.23	39.338		
4,500.00	4,156.34	4,136.36	4,136.33	29.17	17.78	76.19	-2,583.27	-618.13	1,767.74	1,721.32	46.43	38.077		
4,600.00	4,246.01	4,227.39	4,227.35	29.92	18.16	77.44	-2,584.32	-617.87	1,757.17	1,709.55	47.62	36.898		
4,700.00	4,335.68	4,315.35	4,315.30	30.67	18.53	78.67	-2,585.39	-617.70	1,747.69	1,698.88	48.81	35.808		
4,800.00	4,425.35	4,407.75	4,407.69	31.42	18.92	79.97	-2,586.34	-617.62	1,739.21	1,689.20	50.01	34.778		
4,900.00	4,515.03	4,489.89	4,489.83	32.17	19.27	81.14	-2,586.99	-617.90	1,731.95	1,680.78	51.17	33.848		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,581.24	4,581.17	32.92	19.65	82.47	-2,587.61	-618.49	1,725.95	1,673.59	52.36	32.963					
5,100.00	4,694.37	4,673.01	4,672.94	33.67	20.04	83.80	-2,588.28	-618.90	1,720.92	1,667.37	53.55	32.137					
5,200.00	4,784.04	4,770.67	4,770.60	34.42	20.45	85.22	-2,589.08	-619.01	1,716.80	1,662.04	54.76	31.354					
5,300.00	4,873.71	4,864.06	4,863.99	35.17	20.85	86.57	-2,589.93	-618.60	1,713.38	1,657.44	55.94	30.630					
5,400.00	4,963.38	4,954.12	4,954.04	35.92	21.23	87.87	-2,590.74	-618.17	1,711.02	1,653.92	57.10	29.965					
5,500.00	5,053.06	5,044.33	5,044.24	36.67	21.61	89.19	-2,591.34	-617.86	1,709.77	1,651.51	58.25	29.350					
5,565.94	5,112.18	5,104.15	5,104.06	37.17	21.86	90.07	-2,591.64	-617.69	1,709.53	1,650.52	59.01	28.969					
5,600.00	5,142.73	5,133.78	5,133.70	37.43	21.99	90.50	-2,591.77	-617.62	1,709.61	1,650.21	59.40	28.783					
5,700.00	5,232.40	5,221.78	5,221.69	38.18	22.36	91.79	-2,592.16	-617.50	1,710.67	1,650.14	60.52	28.266					
5,800.00	5,322.07	5,311.62	5,311.54	38.93	22.74	93.11	-2,592.51	-617.44	1,712.88	1,651.24	61.64	27.788					
5,900.00	5,411.74	5,401.71	5,401.62	39.68	23.12	94.44	-2,592.79	-617.40	1,716.22	1,653.47	62.75	27.349					
6,000.00	5,501.42	5,489.00	5,488.92	40.44	23.50	95.71	-2,593.09	-617.41	1,720.73	1,656.90	63.84	26.955					
6,100.00	5,591.09	5,577.84	5,577.75	41.19	23.87	97.00	-2,593.45	-617.50	1,726.45	1,661.53	64.92	26.595					
6,200.00	5,680.76	5,665.01	5,664.92	41.94	24.24	98.27	-2,593.78	-617.68	1,733.34	1,667.37	65.97	26.274					
6,300.00	5,770.43	5,751.57	5,751.48	42.70	24.61	99.51	-2,594.09	-618.02	1,741.48	1,674.47	67.01	25.988					
6,400.00	5,860.10	5,838.63	5,838.54	43.45	24.98	100.76	-2,594.37	-618.54	1,750.86	1,682.82	68.04	25.734					
6,500.00	5,949.77	5,925.06	5,924.96	44.20	25.34	101.99	-2,594.50	-619.20	1,761.42	1,692.37	69.04	25.512					
6,600.00	6,039.45	6,008.88	6,008.77	44.96	25.70	103.18	-2,594.40	-620.14	1,773.28	1,703.27	70.02	25.327					
6,700.00	6,129.12	6,094.94	6,094.83	45.71	26.06	104.39	-2,594.24	-621.32	1,786.42	1,715.43	70.99	25.165					
6,800.00	6,218.79	6,182.40	6,182.28	46.46	26.43	105.61	-2,594.02	-622.67	1,800.71	1,728.75	71.95	25.026					
6,900.00	6,308.46	6,271.60	6,271.47	47.22	26.81	106.85	-2,593.64	-624.11	1,816.06	1,743.14	72.92	24.905					
6,969.86	6,371.11	6,332.44	6,332.30	47.75	27.07	107.68	-2,593.35	-625.11	1,827.38	1,753.81	73.57	24.838					
7,000.00	6,398.25	6,358.17	6,358.03	47.97	27.18	102.85	-2,593.22	-625.55	1,831.73	1,757.89	73.84	24.805					
7,050.00	6,443.70	6,401.33	6,401.17	48.31	27.36	93.96	-2,593.01	-626.34	1,836.09	1,761.81	74.28	24.720					
7,100.00	6,489.42	6,446.22	6,446.05	48.61	27.55	84.43	-2,592.78	-627.19	1,836.80	1,762.12	74.69	24.594					
7,150.00	6,535.12	6,491.16	6,490.99	48.87	27.74	74.90	-2,592.54	-628.06	1,833.86	1,758.79	75.06	24.431					
7,200.00	6,580.53	6,538.18	6,538.00	49.09	27.94	66.03	-2,592.28	-628.97	1,827.23	1,751.81	75.42	24.229					
7,250.00	6,625.36	6,585.20	6,585.01	49.27	28.14	58.26	-2,591.98	-629.83	1,816.90	1,741.17	75.73	23.991					
7,300.00	6,669.35	6,631.79	6,631.59	49.42	28.34	51.72	-2,591.66	-630.62	1,802.92	1,726.91	76.01	23.720					
7,350.00	6,712.21	6,677.42	6,677.22	49.55	28.53	46.37	-2,591.35	-631.33	1,785.35	1,709.10	76.25	23.416					
7,400.00	6,753.69	6,721.25	6,721.04	49.65	28.72	42.07	-2,591.05	-631.94	1,764.28	1,687.84	76.44	23.080					
7,450.00	6,793.52	6,762.95	6,762.73	49.73	28.90	38.65	-2,590.70	-632.49	1,739.87	1,663.27	76.60	22.714					
7,500.00	6,831.47	6,802.62	6,802.40	49.81	29.07	35.98	-2,590.29	-632.97	1,712.23	1,635.51	76.72	22.317					
7,550.00	6,867.30	6,838.84	6,838.62	49.88	29.22	33.91	-2,589.84	-633.40	1,681.54	1,604.74	76.81	21.894					
7,600.00	6,900.78	6,872.74	6,872.51	49.95	29.36	32.38	-2,589.34	-633.79	1,648.00	1,571.14	76.86	21.441					
7,650.00	6,931.72	6,904.04	6,903.80	50.03	29.49	31.32	-2,588.81	-634.14	1,611.78	1,534.89	76.89	20.962					
7,700.00	6,959.92	6,928.80	6,928.56	50.11	29.60	30.60	-2,588.34	-634.45	1,573.12	1,496.26	76.87	20.465					
7,750.00	6,985.20	6,951.61	6,951.36	50.20	29.70	30.31	-2,587.87	-634.78	1,532.27	1,455.43	76.83	19.943					
7,800.00	7,007.41	6,971.84	6,971.59	50.30	29.78	30.48	-2,587.44	-635.11	1,489.41	1,412.63	76.79	19.397					
7,850.00	7,026.42	6,989.37	6,989.10	50.42	29.86	31.19	-2,587.04	-635.41	1,444.79	1,368.06	76.73	18.829					
7,900.00	7,042.11	7,004.18	7,003.91	50.57	29.92	32.64	-2,586.68	-635.69	1,398.64	1,321.97	76.67	18.242					
7,950.00	7,054.37	7,016.28	7,016.00	50.73	29.97	35.26	-2,586.38	-635.93	1,351.20	1,274.59	76.61	17.638					
8,000.00	7,063.14	7,025.23	7,024.95	50.92	30.01	40.04	-2,586.15	-636.11	1,302.74	1,226.19	76.55	17.019					
8,050.00	7,068.36	7,030.97	7,030.69	51.13	30.03	49.93	-2,586.00	-636.23	1,253.53	1,177.04	76.49	16.389					
8,094.17	7,070.00	7,033.34	7,033.05	51.34	30.04	71.34	-2,585.93	-636.28	1,209.65	1,133.21	76.44	15.824					
8,100.00	7,070.03	7,033.48	7,033.19	51.37	30.04	71.41	-2,585.93	-636.28	1,203.84	1,127.41	76.44	15.750					
8,200.00	7,070.55	7,035.93	7,035.64	51.94	30.05	72.67	-2,585.86	-636.33	1,104.27	1,027.94	76.33	14.467					
8,300.00	7,071.07	7,038.40	7,038.11	52.64	30.06	73.96	-2,585.80	-636.38	1,004.78	928.58	76.20	13.186					
8,400.00	7,071.60	7,040.90	7,040.61	53.49	30.08	75.28	-2,585.73	-636.44	905.39	829.34	76.05	11.905					
8,500.00	7,072.12	7,043.43	7,043.14	54.50	30.09	76.63	-2,585.66	-636.49	806.14	730.27	75.87	10.625					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	
8,600.00	7,072.64	7,045.98	7,045.69	55.69	30.10	78.01	-2,585.59	-636.55	707.10	631.44	75.66	9.346		
8,700.00	7,073.17	7,048.56	7,048.26	57.04	30.11	79.41	-2,585.52	-636.60	608.36	532.96	75.40	8.069		
8,800.00	7,073.69	7,150.57	7,049.14	58.55	30.55	79.88	-2,585.60	-636.55	510.01	434.54	75.47	6.757		
8,900.00	7,074.21	7,147.60	7,052.11	60.21	30.53	81.51	-2,585.50	-636.62	412.58	337.49	75.09	5.494		
9,000.00	7,074.74	7,144.62	7,055.08	61.99	30.52	83.16	-2,585.41	-636.70	316.71	241.94	74.77	4.236		
9,100.00	7,075.26	7,141.65	7,058.05	63.88	30.51	84.82	-2,585.31	-636.77	224.44	149.27	75.18	2.986		
9,200.00	7,075.78	7,138.68	7,061.02	65.87	30.49	86.48	-2,585.21	-636.84	142.92	62.85	80.07	1.785		
9,299.87	7,076.30	7,135.71	7,063.99	67.94	30.48	88.14	-2,585.12	-636.91	102.28	5.86	96.42	1.061 Level 2, CC		
9,300.00	7,076.30	7,135.71	7,063.99	67.95	30.48	88.14	-2,585.12	-636.92	102.28	5.84	96.43	1.061 Level 2, ES, SF		
9,400.00	7,076.83	7,132.73	7,066.96	70.09	30.47	89.81	-2,585.02	-636.99	143.10	47.66	95.44	1.499 Level 3		
9,500.00	7,077.35	7,070.18	7,069.86	72.30	30.20	91.43	-2,584.89	-637.08	224.66	135.92	88.75	2.532		
9,600.00	7,077.87	7,073.01	7,072.70	74.57	30.21	93.01	-2,584.80	-637.15	316.94	231.60	85.34	3.714		
9,700.00	7,078.40	7,075.87	7,075.56	76.88	30.22	94.60	-2,584.71	-637.21	412.81	329.34	83.47	4.945		
9,800.00	7,078.92	7,078.77	7,078.45	79.24	30.24	96.19	-2,584.63	-637.28	510.25	427.91	82.35	6.196		
9,900.00	7,079.44	7,081.70	7,081.38	81.63	30.25	97.79	-2,584.54	-637.35	608.51	526.91	81.60	7.457		
10,000.00	7,079.97	7,084.65	7,084.33	84.06	30.26	99.40	-2,584.44	-637.42	707.25	626.16	81.09	8.722		
10,100.00	7,080.49	7,087.65	7,087.32	86.52	30.27	101.00	-2,584.35	-637.49	806.28	725.57	80.71	9.990		
10,200.00	7,081.01	7,090.67	7,090.35	89.01	30.29	102.60	-2,584.25	-637.56	905.52	825.10	80.42	11.260		
10,300.00	7,081.54	7,093.73	7,093.40	91.52	30.30	104.19	-2,584.16	-637.63	1,004.90	924.70	80.20	12.530		
10,400.00	7,082.06	7,096.83	7,096.49	94.05	30.31	105.78	-2,584.06	-637.71	1,104.38	1,024.36	80.03	13.800		
10,500.00	7,082.58	7,099.95	7,099.62	96.61	30.33	107.36	-2,583.96	-637.79	1,203.95	1,124.06	79.89	15.070		
10,600.00	7,083.10	7,103.12	7,102.78	99.18	30.34	108.92	-2,583.85	-637.86	1,303.57	1,223.79	79.78	16.340		
10,700.00	7,083.63	7,106.32	7,105.98	101.77	30.35	110.47	-2,583.75	-637.94	1,403.24	1,323.55	79.69	17.609		
10,800.00	7,084.15	7,109.56	7,109.22	104.38	30.37	112.01	-2,583.64	-638.02	1,502.94	1,423.33	79.62	18.878		
10,900.00	7,084.67	7,112.83	7,112.49	107.00	30.38	113.52	-2,583.53	-638.10	1,602.68	1,523.13	79.56	20.145		
11,000.00	7,085.20	7,114.83	7,114.48	109.63	30.39	114.43	-2,583.47	-638.15	1,702.45	1,622.94	79.51	21.412		
11,100.00	7,085.72	7,117.80	7,117.45	112.27	30.40	115.75	-2,583.38	-638.22	1,802.23	1,722.76	79.47	22.678		
11,200.00	7,086.24	7,120.77	7,120.42	114.93	30.42	117.04	-2,583.28	-638.29	1,902.04	1,822.60	79.44	23.942		
11,300.00	7,086.77	7,123.74	7,123.39	117.59	30.43	118.30	-2,583.18	-638.37	2,001.86	1,922.44	79.42	25.206		
11,400.00	7,087.29	7,126.72	7,126.36	120.27	30.44	119.53	-2,583.09	-638.44	2,101.69	2,022.28	79.40	26.469		
11,500.00	7,087.81	7,129.69	7,129.33	122.95	30.46	120.73	-2,582.99	-638.51	2,201.53	2,122.14	79.39	27.730		
11,600.00	7,088.33	7,132.66	7,132.30	125.64	30.47	121.89	-2,582.89	-638.58	2,301.38	2,222.00	79.38	28.990		
11,700.00	7,088.86	7,135.63	7,135.27	128.34	30.48	123.03	-2,582.80	-638.66	2,401.24	2,321.86	79.38	30.249		
11,800.00	7,089.38	7,138.61	7,138.24	131.05	30.49	124.13	-2,582.70	-638.73	2,501.11	2,421.73	79.38	31.506		
11,900.00	7,089.90	7,141.58	7,141.21	133.76	30.51	125.21	-2,582.60	-638.80	2,600.99	2,521.60	79.39	32.763		
12,000.00	7,090.43	7,144.55	7,144.18	136.49	30.52	126.25	-2,582.51	-638.87	2,700.87	2,621.47	79.40	34.017		
12,100.00	7,090.95	7,147.52	7,147.15	139.21	30.53	127.27	-2,582.41	-638.95	2,800.76	2,721.35	79.41	35.271		
12,200.00	7,091.47	7,150.50	7,150.12	141.94	30.55	128.26	-2,582.31	-639.02	2,900.65	2,821.23	79.42	36.522		
12,300.00	7,092.00	7,153.47	7,153.09	144.68	30.56	129.21	-2,582.22	-639.09	3,000.54	2,921.11	79.44	37.772		
12,400.00	7,092.52	7,156.44	7,156.06	147.42	30.57	130.15	-2,582.12	-639.16	3,100.44	3,020.99	79.46	39.021		
12,500.00	7,093.04	7,159.41	7,159.03	150.17	30.59	131.05	-2,582.02	-639.24	3,200.35	3,120.87	79.48	40.268		
12,600.00	7,093.57	7,162.39	7,162.00	152.92	30.60	131.93	-2,581.93	-639.31	3,300.25	3,220.75	79.50	41.513		
12,700.00	7,094.09	7,165.36	7,164.97	155.67	30.61	132.79	-2,581.83	-639.38	3,400.16	3,320.64	79.52	42.757		
12,800.00	7,094.61	7,168.33	7,167.94	158.43	30.62	133.62	-2,581.73	-639.45	3,500.07	3,420.52	79.55	43.999		
12,900.00	7,095.13	7,171.30	7,170.91	161.19	30.64	134.42	-2,581.64	-639.53	3,599.99	3,520.41	79.58	45.239		
13,000.00	7,095.66	7,174.28	7,173.88	163.96	30.65	135.21	-2,581.54	-639.60	3,699.90	3,620.30	79.61	46.478		
13,100.00	7,096.18	7,177.25	7,176.85	166.73	30.66	135.97	-2,581.44	-639.67	3,799.82	3,720.19	79.64	47.714		
13,200.00	7,096.70	7,180.22	7,179.82	169.50	30.68	136.71	-2,581.35	-639.74	3,899.74	3,820.07	79.67	48.949		
13,256.62	7,097.00	7,181.90	7,181.50	171.07	30.68	137.12	-2,581.29	-639.79	3,956.32	3,876.63	79.69	49.647		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-154.39	-3,645.55	-1,747.56	4,042.96					
100.00	100.00	60.00	60.00	3.28	3.44	-154.39	-3,645.55	-1,747.56	4,042.77	4,036.04	6.73	600.899		
200.00	200.00	160.00	160.00	3.34	5.05	-154.39	-3,645.55	-1,747.56	4,042.77	4,034.38	8.39	482.013		
300.00	300.00	260.00	260.00	3.44	8.03	-154.39	-3,645.55	-1,747.56	4,042.77	4,031.29	11.48	352.270		
400.00	399.98	359.98	359.98	3.60	11.31	52.16	-3,645.55	-1,747.56	4,041.69	4,026.79	14.90	271.189		
500.00	499.84	459.84	459.84	3.79	14.68	52.27	-3,645.55	-1,747.56	4,038.49	4,020.02	18.47	218.706		
600.00	599.45	559.45	559.45	4.02	18.08	52.45	-3,645.55	-1,747.56	4,033.15	4,011.05	22.10	182.459		
700.00	698.70	658.70	658.70	4.29	21.50	52.71	-3,645.55	-1,747.56	4,025.71	3,999.92	25.79	156.090		
800.00	797.47	757.47	757.47	4.59	24.91	53.03	-3,645.55	-1,747.56	4,016.19	3,986.68	29.51	136.108		
900.00	895.62	855.62	855.62	4.93	28.31	53.44	-3,645.55	-1,747.56	4,004.63	3,971.39	33.24	120.468		
1,000.00	993.06	953.06	953.06	5.31	31.70	53.91	-3,645.55	-1,747.56	3,991.08	3,954.10	36.99	107.905		
1,100.00	1,089.64	1,049.64	1,049.64	5.72	35.05	54.46	-3,645.55	-1,747.56	3,975.59	3,934.86	40.73	97.598		
1,200.00	1,185.27	1,145.27	1,145.27	6.16	38.38	55.08	-3,645.55	-1,747.56	3,958.22	3,913.74	44.48	88.989		
1,300.00	1,279.82	1,239.82	1,239.82	6.64	41.67	55.78	-3,645.55	-1,747.56	3,939.05	3,890.83	48.22	81.691		
1,400.00	1,373.17	1,333.17	1,333.17	7.16	44.92	56.55	-3,645.55	-1,747.56	3,918.15	3,866.20	51.95	75.424		
1,500.00	1,465.21	1,425.21	1,425.21	7.71	48.12	57.39	-3,645.55	-1,747.56	3,895.61	3,839.94	55.67	69.983		
1,600.00	1,555.84	1,515.84	1,515.84	8.31	51.28	58.31	-3,645.55	-1,747.56	3,871.52	3,812.15	59.37	65.213		
1,613.50	1,567.96	1,527.96	1,527.96	8.39	51.70	58.43	-3,645.55	-1,747.56	3,868.16	3,808.29	59.87	64.612		
1,700.00	1,645.53	1,605.53	1,605.53	8.93	54.40	58.88	-3,645.55	-1,747.56	3,846.65	3,783.58	63.07	60.994		
1,800.00	1,735.20	1,704.80	1,695.20	9.58	57.86	59.41	-3,645.55	-1,747.56	3,822.11	3,754.99	67.12	56.946		
1,900.00	1,824.87	1,784.87	1,784.87	10.25	60.65	59.94	-3,645.55	-1,747.56	3,797.92	3,727.41	70.52	53.857		
2,000.00	1,914.54	1,874.54	1,874.54	10.92	63.78	60.48	-3,645.55	-1,747.56	3,774.11	3,699.84	74.27	50.816		
2,100.00	2,004.21	1,964.21	1,964.21	11.61	66.91	61.02	-3,645.55	-1,747.56	3,750.66	3,672.62	78.03	48.064		
2,200.00	2,093.89	2,053.89	2,053.89	12.30	70.03	61.57	-3,645.55	-1,747.56	3,727.59	3,645.78	81.81	45.563		
2,300.00	2,183.56	2,143.56	2,143.56	13.01	73.16	62.12	-3,645.55	-1,747.56	3,704.91	3,619.31	85.60	43.281		
2,400.00	2,273.23	2,233.23	2,233.23	13.71	76.29	62.68	-3,645.55	-1,747.56	3,682.62	3,593.22	89.40	41.193		
2,500.00	2,362.90	2,322.90	2,322.90	14.43	79.41	63.25	-3,645.55	-1,747.56	3,660.72	3,567.52	93.21	39.275		
2,600.00	2,452.57	2,412.57	2,412.57	15.14	82.54	63.82	-3,645.55	-1,747.56	3,639.24	3,542.22	97.02	37.509		
2,700.00	2,542.25	2,502.25	2,502.25	15.87	85.67	64.39	-3,645.55	-1,747.56	3,618.17	3,517.32	100.85	35.878		
2,800.00	2,631.92	2,608.08	2,591.92	16.59	89.36	64.98	-3,645.55	-1,747.56	3,597.52	3,492.27	105.24	34.183		
2,900.00	2,721.59	2,681.59	2,681.59	17.32	91.93	65.56	-3,645.55	-1,747.56	3,577.29	3,468.78	108.52	32.966		
3,000.00	2,811.26	2,771.26	2,771.26	18.05	95.06	66.16	-3,645.55	-1,747.56	3,557.51	3,445.15	112.36	31.662		
3,100.00	2,900.93	2,860.93	2,860.93	18.78	98.18	66.76	-3,645.55	-1,747.56	3,538.16	3,421.95	116.21	30.446		
3,200.00	2,990.60	2,950.60	2,950.60	19.51	101.31	67.36	-3,645.55	-1,747.56	3,519.27	3,399.20	120.07	29.311		
3,300.00	3,080.28	3,040.28	3,040.28	20.25	104.44	67.97	-3,645.55	-1,747.56	3,500.84	3,376.91	123.93	28.249		
3,400.00	3,169.95	3,129.95	3,129.95	20.99	107.57	68.59	-3,645.55	-1,747.56	3,482.87	3,355.07	127.80	27.253		
3,500.00	3,259.62	3,219.62	3,219.62	21.73	110.70	69.21	-3,645.55	-1,747.56	3,465.37	3,333.70	131.67	26.319		
3,600.00	3,349.29	3,309.29	3,309.29	22.47	113.83	69.83	-3,645.55	-1,747.56	3,448.35	3,312.80	135.54	25.441		
3,700.00	3,438.96	3,401.04	3,398.96	23.21	117.03	70.46	-3,645.55	-1,747.56	3,431.82	3,292.32	139.50	24.601		
3,800.00	3,528.64	3,488.64	3,488.64	23.95	120.09	71.10	-3,645.55	-1,747.56	3,415.78	3,272.47	143.31	23.835		
3,900.00	3,618.31	3,578.31	3,578.31	24.69	123.22	71.74	-3,645.55	-1,747.56	3,400.24	3,253.04	147.20	23.100		
4,000.00	3,707.98	3,667.98	3,667.98	25.44	126.35	72.38	-3,645.55	-1,747.56	3,385.21	3,234.12	151.09	22.405		
4,100.00	3,797.65	3,757.65	3,757.65	26.18	129.48	73.03	-3,645.55	-1,747.56	3,370.69	3,215.71	154.98	21.749		
4,200.00	3,887.32	3,847.32	3,847.32	26.93	132.61	73.69	-3,645.55	-1,747.56	3,356.69	3,197.81	158.88	21.127		
4,300.00	3,976.99	3,936.99	3,936.99	27.68	135.73	74.34	-3,645.55	-1,747.56	3,343.23	3,180.44	162.78	20.538		
4,400.00	4,066.67	4,026.67	4,026.67	28.42	138.86	75.01	-3,645.55	-1,747.56	3,330.29	3,163.60	166.69	19.979		
4,500.00	4,156.34	4,116.34	4,116.34	29.17	141.99	75.67	-3,645.55	-1,747.56	3,317.90	3,147.30	170.59	19.449		
4,600.00	4,246.01	4,206.01	4,206.01	29.92	145.12	76.35	-3,645.55	-1,747.56	3,306.05	3,131.55	174.50	18.946		
4,700.00	4,335.68	4,304.32	4,295.68	30.67	148.55	77.02	-3,645.55	-1,747.56	3,294.75	3,116.04	178.71	18.436		
4,800.00	4,425.35	4,385.35	4,385.35	31.42	151.38	77.70	-3,645.55	-1,747.56	3,284.01	3,101.69	182.32	18.012		
4,900.00	4,515.03	4,475.03	4,475.03	32.17	154.51	78.38	-3,645.55	-1,747.56	3,273.84	3,087.60	186.24	17.579		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,564.70	4,564.70	32.92	157.64	79.07	-3,645.55	-1,747.56	3,264.23	3,074.08	190.15	17.167			
5,100.00	4,694.37	4,654.37	4,654.37	33.67	160.77	79.75	-3,645.55	-1,747.56	3,255.20	3,061.13	194.06	16.774			
5,200.00	4,784.04	4,744.04	4,744.04	34.42	163.90	80.45	-3,645.55	-1,747.56	3,246.74	3,048.76	197.98	16.399			
5,300.00	4,873.71	4,833.71	4,833.71	35.17	167.03	81.14	-3,645.55	-1,747.56	3,238.87	3,036.97	201.89	16.042			
5,400.00	4,963.38	4,923.38	4,923.38	35.92	170.16	81.84	-3,645.55	-1,747.56	3,231.58	3,025.77	205.81	15.702			
5,500.00	5,053.06	5,013.06	5,013.06	36.67	173.29	82.54	-3,645.55	-1,747.56	3,224.89	3,015.16	209.72	15.377			
5,600.00	5,142.73	5,102.73	5,102.73	37.43	176.42	83.24	-3,645.55	-1,747.56	3,218.79	3,005.15	213.64	15.067			
5,700.00	5,232.40	5,202.60	5,202.60	38.18	180.08	83.94	-3,645.55	-1,747.56	3,213.28	2,995.20	218.08	14.734			
5,800.00	5,322.07	5,282.07	5,282.07	38.93	182.68	84.65	-3,645.55	-1,747.56	3,208.38	2,986.92	221.46	14.487			
5,900.00	5,411.74	5,371.74	5,371.74	39.68	185.81	85.36	-3,645.55	-1,747.56	3,204.09	2,978.72	225.37	14.217			
6,000.00	5,501.42	5,461.42	5,461.42	40.44	188.94	86.06	-3,645.55	-1,747.56	3,200.40	2,971.12	229.28	13.959			
6,100.00	5,591.09	5,551.09	5,551.09	41.19	192.07	86.77	-3,645.55	-1,747.56	3,197.32	2,964.13	233.19	13.711			
6,200.00	5,680.76	5,640.76	5,640.76	41.94	195.20	87.48	-3,645.55	-1,747.56	3,194.84	2,957.76	237.09	13.475			
6,300.00	5,770.43	5,730.43	5,730.43	42.70	198.33	88.20	-3,645.55	-1,747.56	3,192.98	2,951.99	240.99	13.249			
6,400.00	5,860.10	5,820.10	5,820.10	43.45	201.46	88.91	-3,645.55	-1,747.56	3,191.74	2,946.85	244.89	13.033			
6,500.00	5,949.77	5,909.77	5,909.77	44.20	204.59	89.62	-3,645.55	-1,747.56	3,191.10	2,942.32	248.78	12.827			
6,553.22	5,997.50	5,957.50	5,957.50	44.60	206.26	90.00	-3,645.55	-1,747.56	3,191.02	2,940.16	250.85	12.721			
6,600.00	6,039.45	6,000.55	5,999.45	44.96	207.76	90.33	-3,645.55	-1,747.56	3,191.08	2,938.37	252.71	12.627			
6,700.00	6,129.12	6,089.12	6,089.12	45.71	210.85	91.05	-3,645.55	-1,747.56	3,191.68	2,935.12	256.56	12.440			
6,800.00	6,218.79	6,178.79	6,178.79	46.46	213.98	91.76	-3,645.55	-1,747.56	3,192.89	2,932.44	260.45	12.259			
6,900.00	6,308.46	6,268.46	6,268.46	47.22	217.11	92.47	-3,645.55	-1,747.56	3,194.71	2,930.38	264.33	12.086			
6,969.86	6,371.11	6,331.11	6,331.11	47.75	219.30	92.97	-3,645.55	-1,747.56	3,196.34	2,929.31	267.03	11.970			
7,000.00	6,398.25	6,358.25	6,358.25	47.97	220.25	87.96	-3,645.55	-1,747.56	3,196.47	2,928.27	268.20	11.918			
7,050.00	6,443.70	6,403.70	6,403.70	48.31	221.83	78.72	-3,645.55	-1,747.56	3,193.87	2,923.75	270.12	11.824			
7,100.00	6,489.42	6,449.42	6,449.42	48.61	223.43	68.73	-3,645.55	-1,747.56	3,187.74	2,915.73	272.01	11.719			
7,150.00	6,535.12	6,504.88	6,495.12	48.87	225.36	58.64	-3,645.55	-1,747.56	3,178.10	2,903.90	274.21	11.590			
7,200.00	6,580.53	6,540.53	6,540.53	49.09	226.61	49.08	-3,645.55	-1,747.56	3,164.98	2,889.31	275.67	11.481			
7,250.00	6,625.36	6,585.36	6,585.36	49.27	228.17	40.46	-3,645.55	-1,747.56	3,148.43	2,871.02	277.41	11.349			
7,300.00	6,669.35	6,629.35	6,629.35	49.42	229.71	32.92	-3,645.55	-1,747.56	3,128.54	2,849.45	279.09	11.210			
7,350.00	6,712.21	6,672.21	6,672.21	49.55	231.21	26.38	-3,645.55	-1,747.56	3,105.40	2,824.70	280.71	11.063			
7,400.00	6,753.69	6,713.69	6,713.69	49.65	232.65	20.66	-3,645.55	-1,747.56	3,079.15	2,796.90	282.25	10.909			
7,450.00	6,793.52	6,753.52	6,753.52	49.73	234.04	15.55	-3,645.55	-1,747.56	3,049.92	2,766.21	283.71	10.750			
7,500.00	6,831.47	6,808.53	6,791.47	49.81	235.96	10.84	-3,645.55	-1,747.56	3,017.88	2,732.18	285.70	10.563			
7,550.00	6,867.30	6,827.30	6,827.30	49.88	236.62	6.30	-3,645.55	-1,747.56	2,983.22	2,696.82	286.41	10.416			
7,600.00	6,900.78	6,860.78	6,860.78	49.95	237.79	1.74	-3,645.55	-1,747.56	2,946.15	2,658.52	287.63	10.243			
7,650.00	6,931.72	6,908.28	6,891.72	50.03	239.45	-3.08	-3,645.55	-1,747.56	2,906.89	2,617.55	289.34	10.047			
7,700.00	6,959.92	6,919.92	6,919.92	50.11	239.85	-8.43	-3,645.55	-1,747.56	2,865.68	2,575.88	289.79	9.889			
7,750.00	6,985.20	6,945.20	6,945.20	50.20	240.73	-14.61	-3,645.55	-1,747.56	2,822.78	2,532.05	290.73	9.709			
7,800.00	7,007.41	6,967.41	6,967.41	50.30	241.51	-21.98	-3,645.55	-1,747.56	2,778.47	2,486.89	291.57	9.529			
7,850.00	7,026.42	6,986.42	6,986.42	50.42	242.17	-30.93	-3,645.55	-1,747.56	2,733.03	2,440.72	292.31	9.350			
7,900.00	7,042.11	7,002.11	7,002.11	50.57	242.72	-41.69	-3,645.55	-1,747.56	2,686.76	2,393.81	292.95	9.172			
7,950.00	7,054.37	7,014.37	7,014.37	50.73	243.15	-54.06	-3,645.55	-1,747.56	2,639.97	2,346.50	293.48	8.996			
8,000.00	7,063.14	7,023.14	7,023.14	50.92	243.46	-67.16	-3,645.55	-1,747.56	2,592.99	2,299.09	293.90	8.823			
8,050.00	7,068.36	7,028.36	7,028.36	51.13	243.64	-79.65	-3,645.55	-1,747.56	2,546.13	2,251.91	294.22	8.654			
8,094.17	7,070.00	7,030.00	7,030.00	51.34	243.69	-89.28	-3,645.55	-1,747.56	2,505.09	2,210.67	294.41	8.509			
8,100.00	7,070.03	7,030.03	7,030.03	51.37	243.70	-89.28	-3,645.55	-1,747.56	2,499.71	2,205.27	294.43	8.490			
8,200.00	7,070.55	7,030.55	7,030.55	51.94	243.71	-89.31	-3,645.55	-1,747.56	2,407.71	2,112.89	294.82	8.167			
8,300.00	7,071.07	7,031.07	7,031.07	52.64	243.73	-89.34	-3,645.55	-1,747.56	2,316.37	2,021.11	295.26	7.845			
8,400.00	7,071.60	7,031.60	7,031.60	53.49	243.75	-89.37	-3,645.55	-1,747.56	2,225.78	1,930.01	295.78	7.525			
8,500.00	7,072.12	7,032.12	7,032.12	54.50	243.77	-89.41	-3,645.55	-1,747.56	2,136.03	1,839.66	296.37	7.207			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,600.00	7,072.64	7,032.64	7,032.64	55.69	243.79	-89.44	-3,645.55	-1,747.56	2,047.23	1,750.16	297.07	6.891		
8,700.00	7,073.17	7,033.17	7,033.17	57.04	243.80	-89.47	-3,645.55	-1,747.56	1,959.51	1,661.64	297.87	6.578		
8,800.00	7,073.69	7,033.69	7,033.69	58.55	243.82	-89.50	-3,645.55	-1,747.56	1,873.02	1,574.21	298.80	6.268		
8,900.00	7,074.21	7,034.21	7,034.21	60.21	243.84	-89.53	-3,645.55	-1,747.56	1,787.93	1,488.05	299.88	5.962		
9,000.00	7,074.74	7,034.74	7,034.74	61.99	243.86	-89.56	-3,645.55	-1,747.56	1,704.47	1,403.34	301.13	5.660		
9,100.00	7,075.26	7,035.26	7,035.26	63.88	243.88	-89.59	-3,645.55	-1,747.56	1,622.88	1,320.31	302.57	5.364		
9,200.00	7,075.78	7,035.78	7,035.78	65.87	243.90	-89.62	-3,645.55	-1,747.56	1,543.46	1,239.23	304.23	5.073		
9,300.00	7,076.30	7,036.30	7,036.30	67.95	243.91	-89.65	-3,645.55	-1,747.56	1,466.56	1,160.43	306.12	4.791		
9,400.00	7,076.83	7,036.83	7,036.83	70.09	243.93	-89.69	-3,645.55	-1,747.56	1,392.59	1,084.31	308.28	4.517		
9,500.00	7,077.35	7,037.35	7,037.35	72.30	243.95	-89.72	-3,645.55	-1,747.56	1,322.05	1,011.34	310.72	4.255		
9,600.00	7,077.87	7,037.87	7,037.87	74.57	243.97	-89.75	-3,645.55	-1,747.56	1,255.52	942.09	313.43	4.006		
9,700.00	7,078.40	7,038.40	7,038.40	76.88	243.99	-89.78	-3,645.55	-1,747.56	1,193.67	877.25	316.42	3.772		
9,800.00	7,078.92	7,038.92	7,038.92	79.24	244.01	-89.81	-3,645.55	-1,747.56	1,137.26	817.62	319.64	3.558		
9,900.00	7,079.44	7,039.44	7,039.44	81.63	244.02	-89.84	-3,645.55	-1,747.56	1,087.14	764.11	323.03	3.365		
10,000.00	7,079.97	7,039.97	7,039.97	84.06	244.04	-89.87	-3,645.55	-1,747.56	1,044.22	717.74	326.48	3.198		
10,100.00	7,080.49	7,040.49	7,040.49	86.52	244.06	-89.90	-3,645.55	-1,747.56	1,009.41	679.57	329.84	3.060		
10,200.00	7,081.01	7,041.01	7,041.01	89.01	244.08	-89.94	-3,645.55	-1,747.56	983.58	650.64	332.94	2.954		
10,300.00	7,081.54	7,041.54	7,041.54	91.52	244.10	-89.97	-3,645.55	-1,747.56	967.44	631.84	335.60	2.883		
10,400.00	7,082.06	7,042.06	7,042.06	94.05	244.12	-90.00	-3,645.55	-1,747.56	961.48	623.84	337.64	2.848		
10,407.44	7,082.10	7,042.10	7,042.10	94.24	244.12	-90.00	-3,645.55	-1,747.56	961.45	623.69	337.77	2.846 CC, ES, SF		
10,500.00	7,082.58	7,042.58	7,042.58	96.61	244.13	-90.03	-3,645.55	-1,747.56	965.90	626.92	338.98	2.849		
10,600.00	7,083.10	7,043.10	7,043.10	99.18	244.15	-90.06	-3,645.55	-1,747.56	980.55	640.99	339.56	2.888		
10,700.00	7,083.63	7,043.63	7,043.63	101.77	244.17	-90.09	-3,645.55	-1,747.56	1,004.98	665.54	339.44	2.961		
10,800.00	7,084.15	7,044.15	7,044.15	104.38	244.19	-90.12	-3,645.55	-1,747.56	1,038.51	699.78	338.72	3.066		
10,900.00	7,084.67	7,044.67	7,044.67	107.00	244.21	-90.15	-3,645.55	-1,747.56	1,080.28	742.75	337.53	3.201		
11,000.00	7,085.20	7,045.20	7,045.20	109.63	244.22	-90.18	-3,645.55	-1,747.56	1,129.39	793.38	336.00	3.361		
11,100.00	7,085.72	7,045.72	7,045.72	112.27	244.24	-90.22	-3,645.55	-1,747.56	1,184.91	850.64	334.27	3.545		
11,200.00	7,086.24	7,046.24	7,046.24	114.93	244.26	-90.25	-3,645.55	-1,747.56	1,246.00	913.56	332.44	3.748		
11,300.00	7,086.77	7,046.77	7,046.77	117.59	244.28	-90.28	-3,645.55	-1,747.56	1,311.88	981.30	330.59	3.968		
11,400.00	7,087.29	7,047.29	7,047.29	120.27	244.30	-90.31	-3,645.55	-1,747.56	1,381.86	1,053.10	328.76	4.203		
11,500.00	7,087.81	7,047.81	7,047.81	122.95	244.32	-90.34	-3,645.55	-1,747.56	1,455.35	1,128.35	327.00	4.451		
11,600.00	7,088.33	7,048.33	7,048.33	125.64	244.33	-90.37	-3,645.55	-1,747.56	1,531.85	1,206.51	325.34	4.708		
11,700.00	7,088.86	7,048.86	7,048.86	128.34	244.35	-90.40	-3,645.55	-1,747.56	1,610.92	1,287.14	323.78	4.975		
11,800.00	7,089.38	7,049.38	7,049.38	131.05	244.37	-90.43	-3,645.55	-1,747.56	1,692.21	1,369.89	322.32	5.250		
11,900.00	7,089.90	7,049.90	7,049.90	133.76	244.39	-90.47	-3,645.55	-1,747.56	1,775.41	1,454.44	320.97	5.531		
12,000.00	7,090.43	7,050.43	7,050.43	136.49	244.41	-90.50	-3,645.55	-1,747.56	1,860.26	1,540.55	319.72	5.818		
12,100.00	7,090.95	7,050.95	7,050.95	139.21	244.43	-90.53	-3,645.55	-1,747.56	1,946.55	1,627.99	318.56	6.110		
12,200.00	7,091.47	7,051.47	7,051.47	141.94	244.44	-90.56	-3,645.55	-1,747.56	2,034.10	1,716.60	317.50	6.407		
12,300.00	7,092.00	7,052.00	7,052.00	144.68	244.46	-90.59	-3,645.55	-1,747.56	2,122.75	1,806.23	316.52	6.707		
12,400.00	7,092.52	7,052.52	7,052.52	147.42	244.48	-90.62	-3,645.55	-1,747.56	2,212.37	1,896.75	315.62	7.010		
12,500.00	7,093.04	7,053.04	7,053.04	150.17	244.50	-90.65	-3,645.55	-1,747.56	2,302.84	1,988.05	314.79	7.316		
12,600.00	7,093.57	7,053.57	7,053.57	152.92	244.52	-90.68	-3,645.55	-1,747.56	2,394.07	2,080.05	314.02	7.624		
12,700.00	7,094.09	7,054.09	7,054.09	155.67	244.54	-90.71	-3,645.55	-1,747.56	2,485.98	2,172.66	313.32	7.934		
12,800.00	7,094.61	7,054.61	7,054.61	158.43	244.55	-90.75	-3,645.55	-1,747.56	2,578.48	2,265.82	312.67	8.247		
12,900.00	7,095.13	7,055.13	7,055.13	161.19	244.57	-90.78	-3,645.55	-1,747.56	2,671.53	2,359.46	312.07	8.561		
13,000.00	7,095.66	7,055.66	7,055.66	163.96	244.59	-90.81	-3,645.55	-1,747.56	2,765.06	2,453.55	311.51	8.876		
13,100.00	7,096.18	7,056.18	7,056.18	166.73	244.61	-90.84	-3,645.55	-1,747.56	2,859.03	2,548.04	311.00	9.193		
13,200.00	7,096.70	7,056.70	7,056.70	169.50	244.63	-90.87	-3,645.55	-1,747.56	2,953.40	2,642.88	310.52	9.511		
13,256.62	7,097.00	7,057.00	7,057.00	171.07	244.64	-90.89	-3,645.55	-1,747.56	3,006.99	2,696.72	310.26	9.692		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	134.14	-492.53	507.54	707.32					
100.00	100.00	93.73	93.73	3.28	0.21	134.17	-492.56	507.07	706.94	703.45	3.49	202.417		
200.00	200.00	199.02	199.00	3.34	0.44	134.27	-492.67	505.43	705.90	702.12	3.78	186.837		
300.00	300.00	304.26	304.21	3.44	0.68	134.44	-492.86	502.62	704.11	699.99	4.12	170.813		
400.00	399.98	411.90	411.79	3.60	1.07	-18.95	-492.41	499.06	699.82	695.14	4.67	149.796		
500.00	499.84	515.21	515.03	3.79	1.52	-19.17	-489.71	496.51	691.27	685.96	5.32	130.007		
600.00	599.45	616.63	616.36	4.02	1.96	-19.59	-486.11	494.42	679.12	673.12	5.99	113.335		
700.00	698.70	717.34	716.95	4.29	2.39	-20.23	-481.68	492.72	663.42	656.72	6.70	99.047		
800.00	797.47	817.13	816.60	4.59	2.83	-21.12	-476.44	491.42	644.27	636.84	7.43	86.719		
900.00	895.62	914.71	914.01	4.93	3.25	-22.25	-470.84	490.39	621.93	613.75	8.18	76.049		
1,000.00	993.06	1,015.12	1,014.23	5.31	3.69	-23.66	-464.82	488.87	596.15	587.19	8.97	66.489		
1,100.00	1,089.64	1,117.03	1,115.96	5.72	4.14	-25.23	-459.69	485.68	567.00	557.22	9.78	57.952		
1,200.00	1,185.27	1,231.47	1,229.96	6.16	4.65	-27.37	-452.35	478.88	532.22	521.54	10.67	49.860		
1,300.00	1,279.82	1,336.81	1,334.50	6.64	5.12	-30.17	-442.48	470.59	491.95	480.42	11.53	42.661		
1,400.00	1,373.17	1,436.27	1,432.75	7.16	5.58	-34.02	-429.83	461.73	447.20	434.82	12.38	36.137		
1,500.00	1,465.21	1,525.22	1,520.16	7.71	5.98	-39.04	-415.65	453.44	399.45	386.23	13.22	30.217		
1,600.00	1,555.84	1,604.03	1,597.34	8.31	6.35	-45.31	-401.20	446.74	351.49	337.38	14.11	24.907		
1,613.50	1,567.96	1,614.21	1,607.32	8.39	6.39	-46.26	-399.30	445.95	345.19	330.94	14.24	24.234		
1,700.00	1,645.53	1,684.35	1,675.95	8.93	6.72	-52.90	-385.85	440.73	307.03	291.92	15.11	20.321		
1,800.00	1,735.20	1,764.95	1,754.57	9.58	7.09	-62.29	-369.45	433.90	268.50	252.26	16.24	16.530		
1,900.00	1,824.87	1,844.93	1,832.71	10.25	7.47	-73.22	-354.06	426.50	239.80	222.30	17.49	13.707		
2,000.00	1,914.54	1,921.30	1,907.42	10.92	7.83	-84.84	-339.90	419.44	224.99	206.26	18.73	12.015		
2,035.75	1,946.60	1,948.55	1,934.09	11.17	7.96	-89.13	-334.83	417.14	223.85	204.73	19.12	11.708 CC, ES		
2,100.00	2,004.21	1,997.39	1,981.88	11.61	8.19	-96.81	-325.51	413.19	227.52	207.80	19.72	11.537 SF		
2,200.00	2,093.89	2,075.51	2,058.18	12.30	8.57	-108.49	-309.89	407.08	246.92	226.50	20.42	12.091		
2,300.00	2,183.56	2,157.36	2,138.25	13.01	8.96	-119.09	-294.42	400.22	278.25	257.26	20.99	13.254		
2,400.00	2,273.23	2,234.15	2,213.45	13.71	9.32	-127.29	-280.10	394.12	318.56	297.10	21.46	14.845		
2,500.00	2,362.90	2,307.65	2,285.38	14.43	9.67	-133.60	-265.83	389.16	365.62	343.73	21.90	16.698		
2,600.00	2,452.57	2,390.25	2,366.20	15.14	10.07	-139.19	-249.50	384.40	416.91	394.37	22.54	18.498		
2,700.00	2,542.25	2,469.90	2,444.32	15.87	10.45	-143.50	-234.62	379.82	469.78	446.60	23.18	20.271		
2,800.00	2,631.92	2,543.26	2,516.19	16.59	10.80	-146.71	-220.43	375.93	524.92	501.17	23.75	22.105		
2,900.00	2,721.59	2,614.59	2,585.86	17.32	11.14	-149.32	-205.59	372.27	582.41	558.09	24.32	23.952		
3,000.00	2,811.26	2,701.00	2,670.29	18.05	11.55	-151.96	-187.77	367.62	640.64	615.48	25.16	25.465		
3,100.00	2,900.93	2,772.84	2,740.47	18.78	11.90	-153.87	-173.10	363.12	699.45	673.68	25.78	27.133		
3,200.00	2,990.60	2,855.39	2,821.02	19.51	12.30	-155.82	-156.08	357.11	759.08	732.50	26.58	28.556		
3,300.00	3,080.28	2,937.71	2,901.46	20.25	12.70	-157.53	-139.84	350.64	818.52	791.13	27.39	29.885		
3,400.00	3,169.95	3,033.85	2,995.54	20.99	13.17	-159.30	-121.78	342.52	877.75	849.35	28.40	30.906		
3,500.00	3,259.62	3,138.97	3,098.95	21.73	13.67	-160.95	-104.95	334.00	934.99	905.46	29.52	31.669		
3,600.00	3,349.29	3,230.59	3,189.39	22.47	14.10	-162.17	-91.89	327.37	990.96	960.50	30.45	32.539		
3,700.00	3,438.96	3,335.74	3,293.44	23.21	14.59	-163.31	-78.06	321.26	1,046.04	1,014.49	31.55	33.151		
3,800.00	3,528.64	3,451.92	3,408.82	23.95	15.12	-164.42	-65.88	315.15	1,098.98	1,066.22	32.76	33.545		
3,900.00	3,618.31	3,562.42	3,518.86	24.69	15.60	-165.35	-57.25	310.01	1,149.70	1,115.83	33.88	33.938		
4,000.00	3,707.98	3,679.86	3,636.02	25.44	16.11	-166.13	-49.87	307.11	1,198.93	1,163.89	35.05	34.211		
4,100.00	3,797.65	3,792.07	3,748.13	26.18	16.58	-166.66	-45.34	307.58	1,245.54	1,209.40	36.14	34.461		
4,200.00	3,887.32	3,883.72	3,839.73	26.93	16.96	-167.04	-42.29	308.73	1,291.46	1,254.42	37.04	34.864		
4,300.00	3,976.99	3,982.20	3,938.16	27.68	17.37	-167.42	-39.44	309.74	1,337.12	1,299.11	38.01	35.182		
4,400.00	4,066.67	4,078.65	4,034.60	28.42	17.77	-167.84	-37.68	309.70	1,382.14	1,343.19	38.95	35.484		
4,500.00	4,156.34	4,170.63	4,126.56	29.17	18.16	-168.22	-36.44	309.34	1,426.88	1,387.03	39.86	35.800		
4,600.00	4,246.01	4,289.84	4,245.77	29.92	18.64	-168.72	-36.21	308.40	1,470.82	1,429.83	40.98	35.888		
4,700.00	4,335.68	4,385.37	4,341.27	30.67	19.01	-169.15	-37.52	306.63	1,513.71	1,471.82	41.89	36.136		
4,800.00	4,425.35	4,496.45	4,452.31	31.42	19.45	-169.62	-39.97	305.01	1,555.84	1,512.93	42.91	36.254		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
4,900.00	4,515.03	4,596.12	4,551.92	32.17	19.83	-170.00	-43.41	304.25	1,596.72	1,552.88	43.85	36.417		
5,000.00	4,604.70	4,670.42	4,626.19	32.92	20.12	-170.26	-45.49	303.86	1,638.18	1,593.60	44.58	36.743		
5,100.00	4,694.37	4,742.04	4,697.80	33.67	20.40	-170.48	-46.59	303.76	1,680.65	1,635.35	45.30	37.101		
5,200.00	4,784.04	4,830.14	4,785.89	34.42	20.75	-170.71	-47.19	304.10	1,723.73	1,677.58	46.15	37.351		
5,300.00	4,873.71	4,921.64	4,877.39	35.17	21.11	-170.93	-47.74	304.73	1,766.83	1,719.80	47.03	37.567		
5,400.00	4,963.38	5,015.94	4,971.68	35.92	21.49	-171.15	-48.51	305.23	1,809.81	1,761.87	47.94	37.754		
5,500.00	5,053.06	5,109.97	5,065.71	36.67	21.86	-171.37	-49.57	305.52	1,852.59	1,803.75	48.84	37.930		
5,600.00	5,142.73	5,187.52	5,143.26	37.43	22.17	-171.56	-50.43	305.43	1,895.55	1,845.94	49.61	38.205		
5,700.00	5,232.40	5,259.17	5,214.90	38.18	22.47	-171.74	-50.83	304.66	1,939.29	1,888.95	50.34	38.523		
5,800.00	5,322.07	5,331.06	5,286.79	38.93	22.77	-171.90	-50.38	304.10	1,983.93	1,932.86	51.07	38.846		
5,900.00	5,411.74	5,412.08	5,367.79	39.68	23.11	-172.07	-49.35	303.53	2,029.12	1,977.23	51.89	39.103		
6,000.00	5,501.42	5,495.62	5,451.32	40.44	23.46	-172.25	-48.29	302.14	2,074.62	2,021.89	52.73	39.341		
6,100.00	5,591.09	5,643.42	5,599.10	41.19	24.08	-172.56	-47.79	300.57	2,119.29	2,065.13	54.16	39.127		
6,200.00	5,680.76	5,751.91	5,707.58	41.94	24.52	-172.75	-49.62	301.01	2,161.63	2,106.42	55.21	39.155		
6,300.00	5,770.43	5,827.30	5,782.95	42.70	24.83	-172.88	-50.79	301.06	2,204.29	2,148.32	55.96	39.387		
6,400.00	5,860.10	5,901.20	5,856.84	43.45	25.13	-172.96	-50.90	302.13	2,247.68	2,190.97	56.71	39.634		
6,500.00	5,949.77	5,983.03	5,938.67	44.20	25.47	-173.06	-50.68	303.14	2,291.53	2,234.00	57.53	39.832		
6,600.00	6,039.45	6,064.90	6,020.54	44.96	25.81	-173.16	-50.31	303.74	2,335.68	2,277.33	58.35	40.027		
6,700.00	6,129.12	6,164.44	6,120.07	45.71	26.22	-173.29	-50.01	304.16	2,379.82	2,320.48	59.34	40.107		
6,800.00	6,218.79	6,270.34	6,225.97	46.46	26.65	-173.43	-50.40	304.36	2,423.46	2,363.10	60.37	40.145		
6,900.00	6,308.46	6,347.70	6,303.33	47.22	26.97	-173.54	-50.74	304.29	2,467.14	2,405.99	61.14	40.349		
6,969.86	6,371.11	6,405.97	6,361.60	47.75	27.21	-173.62	-50.89	304.14	2,497.81	2,436.08	61.73	40.463		
7,000.00	6,398.25	6,431.18	6,386.81	47.97	27.31	-173.61	-50.92	304.07	2,510.87	2,448.89	61.98	40.510		
7,050.00	6,443.70	7,803.03	7,237.29	48.31	36.40	-172.61	-36.38	1,096.97	2,516.27	2,442.89	73.38	34.292		
7,100.00	6,489.42	7,806.32	7,237.38	48.61	36.45	-172.61	-36.27	1,100.26	2,521.28	2,447.36	73.93	34.104		
7,150.00	6,535.12	7,803.83	7,237.32	48.87	36.41	-172.61	-36.36	1,097.78	2,527.09	2,452.76	74.34	33.994		
7,200.00	6,580.53	7,797.41	7,237.14	49.09	36.31	-172.61	-36.58	1,091.36	2,533.65	2,459.00	74.65	33.940		
7,250.00	6,625.36	7,787.57	7,236.87	49.27	36.17	-172.61	-36.92	1,081.53	2,540.88	2,466.00	74.88	33.933		
7,300.00	6,669.35	7,773.88	7,236.47	49.42	35.98	-172.61	-37.39	1,067.85	2,548.69	2,473.67	75.01	33.976		
7,350.00	6,712.21	7,756.45	7,235.95	49.55	35.73	-172.61	-37.99	1,050.44	2,556.96	2,481.90	75.06	34.064		
7,400.00	6,753.69	7,735.43	7,235.28	49.65	35.43	-172.61	-38.71	1,029.45	2,565.57	2,490.53	75.04	34.191		
7,450.00	6,793.52	7,710.99	7,234.45	49.73	35.08	-172.61	-39.55	1,005.04	2,574.38	2,499.44	74.94	34.354		
7,500.00	6,831.47	7,709.00	7,234.38	49.81	35.05	-172.61	-39.62	1,003.05	2,583.35	2,508.12	75.24	34.337		
7,550.00	6,867.30	7,691.03	7,233.76	49.88	34.81	-172.61	-40.10	985.10	2,592.38	2,517.10	75.28	34.436		
7,600.00	6,900.78	7,680.33	7,233.40	49.95	34.67	-172.61	-40.26	974.40	2,601.49	2,526.03	75.46	34.474		
7,650.00	6,931.72	7,657.00	7,232.62	50.03	34.37	-172.61	-40.29	951.09	2,610.63	2,535.17	75.45	34.599		
7,700.00	6,959.92	7,655.25	7,232.56	50.11	34.35	-172.61	-40.27	949.33	2,619.46	2,543.62	75.84	34.538		
7,750.00	6,985.20	7,611.67	7,230.74	50.20	33.83	-172.61	-39.91	905.79	2,627.89	2,552.28	75.61	34.756		
7,800.00	7,007.41	7,566.65	7,228.14	50.30	33.31	-172.61	-39.51	860.85	2,635.50	2,560.11	75.39	34.958		
7,850.00	7,026.42	7,262.66	7,132.12	50.42	30.78	-172.61	-46.91	575.64	2,638.72	2,566.84	71.89	36.707		
7,900.00	7,042.11	7,242.70	7,120.83	50.57	30.67	-172.61	-47.82	559.20	2,640.90	2,568.68	72.22	36.567		
7,950.00	7,054.37	7,223.26	7,109.11	50.73	30.57	-172.61	-48.56	543.71	2,642.32	2,569.70	72.62	36.386		
8,000.00	7,063.14	7,204.25	7,096.97	50.92	30.47	-172.61	-49.14	529.10	2,642.94	2,569.86	73.08	36.165		
8,050.00	7,068.36	7,182.23	7,082.11	51.13	30.37	-172.61	-49.64	512.86	2,642.74	2,569.17	73.56	35.925		
8,094.17	7,070.00	7,130.34	7,044.53	51.34	30.14	-172.61	-50.88	477.13	2,641.61	2,567.94	73.67	35.857		
8,100.00	7,070.03	7,124.03	7,039.74	51.37	30.11	-172.61	-51.05	473.02	2,641.39	2,567.70	73.69	35.844		
8,200.00	7,070.55	7,093.00	7,015.54	51.94	29.98	-172.61	-51.96	453.63	2,638.98	2,563.93	75.05	35.163		
8,232.81	7,070.72	7,065.07	6,992.96	52.16	29.87	-172.61	-52.66	437.22	2,638.66	2,563.31	75.34	35.022		
8,300.00	7,071.07	7,048.21	6,979.01	52.64	29.80	-172.61	-52.92	427.73	2,639.39	2,562.99	76.40	34.545		
8,400.00	7,071.60	7,025.16	6,959.60	53.49	29.71	-172.61	-53.08	415.32	2,643.23	2,565.11	78.13	33.832		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,500.00	7,072.12	6,999.00	6,937.09	54.50	29.61	87.33	-52.99	401.99	2,650.43	2,570.52	79.91	33.169		
8,600.00	7,072.64	6,980.21	6,920.64	55.69	29.54	86.98	-52.80	392.91	2,660.93	2,579.09	81.84	32.513		
8,700.00	7,073.17	6,956.96	6,899.99	57.04	29.45	86.53	-52.47	382.24	2,674.72	2,590.95	83.77	31.929		
8,800.00	7,073.69	6,936.26	6,881.34	58.55	29.37	86.12	-52.11	373.27	2,691.79	2,606.04	85.75	31.392		
8,900.00	7,074.21	6,904.00	6,851.81	60.21	29.24	85.49	-51.41	360.30	2,712.22	2,624.62	87.60	30.960		
9,000.00	7,074.74	6,880.44	6,829.92	61.99	29.15	85.01	-51.00	351.60	2,735.72	2,646.18	89.54	30.553		
9,100.00	7,075.26	6,812.00	6,765.02	63.88	28.88	83.61	-51.73	329.97	2,761.85	2,670.88	90.97	30.361		
9,200.00	7,075.78	6,812.00	6,765.02	65.87	28.88	83.61	-51.73	329.97	2,791.06	2,697.97	93.09	29.983		
9,300.00	7,076.30	6,812.00	6,765.02	67.95	28.88	83.61	-51.73	329.97	2,823.52	2,728.37	95.14	29.676		
9,400.00	7,076.83	6,812.00	6,765.02	70.09	28.88	83.61	-51.73	329.97	2,859.10	2,761.98	97.13	29.437		
9,500.00	7,077.35	6,812.00	6,765.02	72.30	28.88	83.61	-51.73	329.97	2,897.71	2,798.68	99.03	29.262		
9,600.00	7,077.87	6,812.00	6,765.02	74.57	28.88	83.61	-51.73	329.97	2,939.20	2,838.36	100.84	29.147		
9,700.00	7,078.40	6,773.61	6,727.86	76.88	28.73	82.82	-52.52	320.35	2,982.39	2,880.17	102.22	29.176		
9,800.00	7,078.92	6,768.76	6,723.14	79.24	28.71	82.71	-52.56	319.28	3,029.01	2,925.18	103.83	29.173		
9,900.00	7,079.44	6,764.19	6,718.67	81.63	28.69	82.62	-52.58	318.29	3,078.14	2,972.78	105.36	29.217		
10,000.00	7,079.97	6,759.87	6,714.45	84.06	28.67	82.53	-52.59	317.38	3,129.66	3,022.86	106.80	29.305		
10,100.00	7,080.49	6,755.78	6,710.45	86.52	28.66	82.44	-52.59	316.55	3,183.46	3,075.31	108.16	29.434		
10,200.00	7,081.01	6,718.00	6,673.27	89.01	28.51	81.65	-52.15	309.87	3,240.34	3,131.19	109.15	29.686		
10,300.00	7,081.54	6,718.00	6,673.27	91.52	28.51	81.65	-52.15	309.87	3,298.20	3,187.80	110.39	29.877		
10,400.00	7,082.06	6,718.00	6,673.27	94.05	28.51	81.65	-52.15	309.87	3,358.04	3,246.48	111.55	30.102		
10,500.00	7,082.58	6,718.00	6,673.27	96.61	28.51	81.65	-52.15	309.87	3,419.75	3,307.11	112.64	30.360		
10,600.00	7,083.10	6,718.00	6,673.27	99.18	28.51	81.65	-52.15	309.87	3,483.25	3,369.59	113.65	30.648		
10,700.00	7,083.63	6,718.00	6,673.27	101.77	28.51	81.65	-52.15	309.87	3,548.42	3,433.82	114.60	30.963		
10,800.00	7,084.15	6,718.00	6,673.27	104.38	28.51	81.65	-52.15	309.87	3,615.19	3,499.71	115.49	31.304		
10,900.00	7,084.67	6,718.00	6,673.27	107.00	28.51	81.65	-52.15	309.87	3,683.47	3,567.16	116.31	31.669		
11,000.00	7,085.20	6,718.00	6,673.27	109.63	28.51	81.65	-52.15	309.87	3,753.16	3,636.08	117.08	32.057		
11,100.00	7,085.72	6,718.00	6,673.27	112.27	28.51	81.65	-52.15	309.87	3,824.20	3,706.41	117.79	32.465		
11,200.00	7,086.24	6,718.00	6,673.27	114.93	28.51	81.65	-52.15	309.87	3,896.52	3,778.05	118.46	32.893		
11,300.00	7,086.77	6,718.00	6,673.27	117.59	28.51	81.65	-52.15	309.87	3,970.03	3,850.95	119.08	33.339		
11,400.00	7,087.29	6,718.00	6,673.27	120.27	28.51	81.65	-52.15	309.87	4,044.68	3,925.02	119.66	33.802		
11,500.00	7,087.81	6,718.00	6,673.27	122.95	28.51	81.65	-52.15	309.87	4,120.41	4,000.21	120.20	34.281		
11,600.00	7,088.33	6,718.00	6,673.27	125.64	28.51	81.65	-52.15	309.87	4,197.15	4,076.45	120.70	34.775		
11,700.00	7,088.86	6,718.00	6,673.27	128.34	28.51	81.65	-52.15	309.87	4,274.85	4,153.69	121.16	35.283		
11,800.00	7,089.38	6,718.00	6,673.27	131.05	28.51	81.65	-52.15	309.87	4,353.46	4,231.87	121.59	35.803		
11,900.00	7,089.90	6,718.00	6,673.27	133.76	28.51	81.65	-52.15	309.87	4,432.94	4,310.94	122.00	36.336		
12,000.00	7,090.43	6,718.00	6,673.27	136.49	28.51	81.65	-52.15	309.87	4,513.23	4,390.86	122.37	36.881		
12,100.00	7,090.95	6,718.00	6,673.27	139.21	28.51	81.65	-52.15	309.87	4,594.30	4,471.57	122.72	37.436		
12,200.00	7,091.47	6,718.00	6,673.27	141.94	28.51	81.65	-52.15	309.87	4,676.09	4,553.05	123.05	38.002		
12,300.00	7,092.00	6,718.00	6,673.27	144.68	28.51	81.65	-52.15	309.87	4,758.59	4,635.24	123.35	38.577		
12,400.00	7,092.52	6,718.00	6,673.27	147.42	28.51	81.65	-52.15	309.87	4,841.74	4,718.11	123.64	39.161		
12,500.00	7,093.04	6,718.00	6,673.27	150.17	28.51	81.65	-52.15	309.87	4,925.52	4,801.62	123.90	39.754		
12,600.00	7,093.57	6,718.00	6,673.27	152.92	28.51	81.65	-52.15	309.87	5,009.90	4,885.75	124.15	40.354		
12,700.00	7,094.09	6,718.00	6,673.27	155.67	28.51	81.65	-52.15	309.87	5,094.84	4,970.46	124.38	40.963		
12,800.00	7,094.61	6,718.00	6,673.27	158.43	28.51	81.65	-52.15	309.87	5,180.32	5,055.72	124.59	41.578		
12,900.00	7,095.13	6,718.00	6,673.27	161.19	28.51	81.65	-52.15	309.87	5,266.31	5,141.51	124.79	42.200		
13,000.00	7,095.66	6,718.00	6,673.27	163.96	28.51	81.65	-52.15	309.87	5,352.78	5,227.80	124.98	42.829		
13,100.00	7,096.18	6,718.00	6,673.27	166.73	28.51	81.65	-52.15	309.87	5,439.72	5,314.57	125.16	43.463		
13,200.00	7,096.70	6,718.00	6,673.27	169.50	28.51	81.65	-52.15	309.87	5,527.11	5,401.78	125.32	44.103		
13,256.62	7,097.00	6,718.00	6,673.27	171.07	28.51	81.65	-52.15	309.87	5,576.77	5,451.36	125.41	44.468		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	126.24	-372.68	508.37	630.44					
100.00	100.00	95.21	95.19	3.28	3.29	126.36	-373.42	507.25	629.91	623.33	6.57	95.847		
200.00	200.00	201.04	200.94	3.34	3.33	126.74	-375.83	503.50	628.41	621.75	6.66	94.359		
300.00	300.00	303.86	303.68	3.44	3.42	126.98	-376.60	500.18	626.27	619.41	6.87	91.199		
400.00	399.98	423.51	423.24	3.60	3.60	-26.74	-373.09	497.22	621.02	613.80	7.22	86.063		
500.00	499.84	545.44	544.80	3.79	3.85	-27.33	-365.85	491.19	608.82	601.13	7.69	79.130		
600.00	599.45	647.12	645.95	4.02	4.11	-28.15	-357.81	484.58	591.24	583.06	8.18	72.287		
700.00	698.70	806.35	803.43	4.29	4.58	-29.81	-341.60	468.96	567.51	558.47	9.04	62.747		
800.00	797.47	899.46	894.43	4.59	4.89	-31.44	-327.50	455.20	533.68	524.07	9.61	55.543		
900.00	895.62	975.22	968.79	4.93	5.16	-33.18	-316.91	445.34	499.37	489.24	10.13	49.291		
1,000.00	993.06	1,056.27	1,048.78	5.31	5.45	-35.31	-307.59	436.22	465.42	454.68	10.73	43.371		
1,100.00	1,089.64	1,148.77	1,140.31	5.72	5.80	-38.12	-298.70	426.16	430.59	419.16	11.43	37.677		
1,200.00	1,185.27	1,242.75	1,233.21	6.16	6.17	-41.82	-289.44	415.41	393.50	381.33	12.17	32.336		
1,300.00	1,279.82	1,327.27	1,316.73	6.64	6.51	-46.31	-280.56	406.01	355.44	342.52	12.92	27.506		
1,400.00	1,373.17	1,413.50	1,402.05	7.16	6.86	-52.25	-271.61	397.28	318.31	304.57	13.74	23.166		
1,500.00	1,465.21	1,499.10	1,486.75	7.71	7.21	-59.88	-262.69	388.67	283.01	268.37	14.64	19.335		
1,600.00	1,555.84	1,582.62	1,569.34	8.31	7.56	-69.47	-253.43	380.37	252.22	236.59	15.63	16.133		
1,613.50	1,567.96	1,593.72	1,580.31	8.39	7.60	-70.92	-252.15	379.27	248.62	232.84	15.78	15.758		
1,700.00	1,645.53	1,663.64	1,649.41	8.93	7.90	-80.23	-244.01	372.42	230.43	213.71	16.72	13.784		
1,800.00	1,735.20	1,745.29	1,730.25	9.58	8.25	-91.87	-235.05	365.16	221.99	204.21	17.79	12.481		
1,810.34	1,744.47	1,753.95	1,738.82	9.65	8.28	-93.12	-234.13	364.41	221.92	204.03	17.89	12.403 CC, ES		
1,900.00	1,824.87	1,828.93	1,813.07	10.25	8.60	-103.86	-226.10	357.70	227.42	208.68	18.73	12.140 SF		
2,000.00	1,914.54	1,909.33	1,892.62	10.92	8.95	-114.66	-217.12	350.35	246.08	226.59	19.48	12.630		
2,100.00	2,004.21	1,992.57	1,974.97	11.61	9.31	-124.37	-207.39	343.04	275.79	255.65	20.14	13.693		
2,200.00	2,093.89	2,082.79	2,064.46	12.30	9.69	-132.80	-198.44	335.86	311.84	291.00	20.85	14.960		
2,300.00	2,183.56	2,175.26	2,156.46	13.01	10.09	-139.52	-192.01	329.24	350.48	328.89	21.59	16.236		
2,400.00	2,273.23	2,272.00	2,252.95	13.71	10.49	-144.90	-187.73	323.84	390.35	367.96	22.39	17.431		
2,500.00	2,362.90	2,371.92	2,352.73	14.43	10.89	-149.30	-186.35	318.81	429.69	406.45	23.24	18.490		
2,600.00	2,452.57	2,458.89	2,439.66	15.14	11.24	-152.23	-186.59	316.42	469.02	445.03	23.99	19.550		
2,700.00	2,542.25	2,555.88	2,536.61	15.87	11.62	-155.04	-186.54	313.46	509.67	484.83	24.84	20.518		
2,800.00	2,631.92	2,657.01	2,637.68	16.59	12.01	-157.38	-188.90	311.77	548.80	523.07	25.72	21.335		
2,900.00	2,721.59	2,733.96	2,714.61	17.32	12.31	-158.71	-190.64	312.64	588.30	561.88	26.42	22.265		
3,000.00	2,811.26	2,812.29	2,792.93	18.05	12.62	-159.99	-190.10	312.40	630.84	603.70	27.14	23.245		
3,100.00	2,900.93	2,913.39	2,894.02	18.78	13.03	-161.50	-189.48	311.53	673.80	645.72	28.08	23.996		
3,200.00	2,990.60	3,012.35	2,992.97	19.51	13.41	-162.68	-191.20	312.26	714.59	685.60	28.99	24.651		
3,300.00	3,080.28	3,093.43	3,074.03	20.25	13.73	-163.45	-191.97	313.97	756.07	726.33	29.74	25.423		
3,400.00	3,169.95	3,173.37	3,153.95	20.99	14.04	-164.15	-191.61	315.17	799.00	768.52	30.48	26.210		
3,500.00	3,259.62	3,260.23	3,240.81	21.73	14.39	-164.90	-190.77	315.62	842.72	811.41	31.31	26.916		
3,600.00	3,349.29	3,351.31	3,331.88	22.47	14.77	-165.66	-190.10	315.37	886.50	854.32	32.19	27.542		
3,700.00	3,438.96	3,437.86	3,418.43	23.21	15.13	-166.34	-189.43	314.88	930.50	897.48	33.02	28.177		
3,800.00	3,528.64	3,526.98	3,507.54	23.95	15.51	-166.98	-188.69	314.08	974.72	940.83	33.89	28.761		
3,900.00	3,618.31	3,606.27	3,586.82	24.69	15.84	-167.54	-187.75	312.90	1,019.48	984.82	34.66	29.416		
4,000.00	3,707.98	3,726.46	3,707.00	25.44	16.33	-168.25	-187.18	312.32	1,063.50	1,027.67	35.83	29.685		
4,100.00	3,797.65	3,812.74	3,793.26	26.18	16.67	-168.61	-187.40	313.93	1,106.34	1,069.69	36.65	30.187		
4,200.00	3,887.32	3,891.43	3,871.93	26.93	16.99	-168.88	-186.88	315.93	1,149.83	1,112.42	37.41	30.737		
4,300.00	3,976.99	4,001.46	3,981.92	27.68	17.43	-169.23	-186.53	318.60	1,193.11	1,154.64	38.47	31.011		
4,400.00	4,066.67	4,112.57	4,093.00	28.42	17.87	-169.65	-188.60	320.27	1,234.74	1,195.22	39.53	31.237		
4,500.00	4,156.34	4,212.72	4,193.08	29.17	18.27	-170.04	-191.98	321.32	1,275.21	1,234.73	40.48	31.501		
4,600.00	4,246.01	4,296.07	4,276.36	29.92	18.61	-170.42	-195.33	320.61	1,315.72	1,274.43	41.29	31.864		
4,700.00	4,335.68	4,370.00	4,350.21	30.67	18.91	-170.81	-197.87	318.50	1,357.31	1,315.29	42.02	32.303		
4,800.00	4,425.35	4,445.28	4,425.43	31.42	19.22	-171.17	-199.60	316.18	1,400.02	1,357.26	42.76	32.742		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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					
4,900.00	4,515.03	4,528.04	4,508.18	32.17	19.55	-171.49	-200.47	314.88	1,443.42	1,399.86	43.57	33.130					
5,000.00	4,604.70	4,612.23	4,592.36	32.92	19.90	-171.72	-200.49	315.09	1,487.21	1,442.82	44.39	33.502					
5,100.00	4,694.37	4,701.17	4,681.29	33.67	20.26	-171.88	-199.77	316.62	1,531.28	1,486.01	45.27	33.829					
5,200.00	4,784.04	4,798.84	4,778.92	34.42	20.67	-172.02	-198.94	319.20	1,575.13	1,528.90	46.23	34.071					
5,300.00	4,873.71	4,886.11	4,866.15	35.17	21.03	-172.13	-198.46	321.81	1,618.63	1,571.53	47.09	34.371					
5,400.00	4,963.38	4,972.74	4,952.78	35.92	21.39	-172.30	-198.17	322.46	1,662.61	1,614.66	47.95	34.674					
5,500.00	5,053.06	5,071.55	5,051.59	36.67	21.80	-172.54	-198.70	321.97	1,706.25	1,657.32	48.93	34.873					
5,600.00	5,142.73	5,170.58	5,150.61	37.43	22.20	-172.79	-199.81	321.17	1,749.53	1,699.62	49.91	35.057					
5,700.00	5,232.40	5,265.57	5,245.57	38.18	22.60	-173.02	-201.43	320.32	1,792.34	1,741.49	50.84	35.252					
5,800.00	5,322.07	5,342.45	5,322.43	38.93	22.92	-173.23	-202.89	318.97	1,835.31	1,783.70	51.61	35.562					
5,900.00	5,411.74	5,410.68	5,390.64	39.68	23.20	-173.41	-203.49	317.29	1,879.35	1,827.06	52.29	35.943					
6,000.00	5,501.42	5,495.78	5,475.72	40.44	23.56	-173.59	-203.34	316.11	1,923.96	1,870.82	53.14	36.206					
6,100.00	5,591.09	5,573.41	5,553.35	41.19	23.89	-173.71	-202.53	315.93	1,968.96	1,915.05	53.92	36.519					
6,200.00	5,680.76	5,649.13	5,629.06	41.94	24.22	-173.82	-201.27	315.65	2,014.52	1,959.85	54.67	36.848					
6,300.00	5,770.43	5,767.88	5,747.80	42.70	24.72	-174.00	-199.52	314.92	2,060.10	2,004.22	55.88	36.869					
6,400.00	5,860.10	5,860.53	5,840.43	43.45	25.11	-174.10	-198.80	315.57	2,104.58	2,047.78	56.80	37.050					
6,500.00	5,949.77	5,969.03	5,948.93	44.20	25.56	-174.22	-198.41	316.52	2,148.69	2,090.80	57.88	37.121					
6,600.00	6,039.45	6,087.45	6,067.34	44.96	26.05	-174.39	-200.05	316.67	2,191.51	2,132.46	59.05	37.113					
6,700.00	6,129.12	6,165.52	6,145.40	45.71	26.37	-174.49	-201.32	316.99	2,234.12	2,174.29	59.83	37.341					
6,800.00	6,218.79	7,543.67	6,968.55	46.46	36.21	-155.95	-193.72	1,122.04	2,257.56	2,185.41	72.16	31.287					
6,900.00	6,308.46	7,558.47	6,967.72	47.22	36.44	-155.58	-193.19	1,136.80	2,267.09	2,193.63	73.46	30.863					
6,969.86	6,371.11	7,569.52	6,967.11	47.75	36.62	-155.30	-192.81	1,147.83	2,276.27	2,201.96	74.31	30.632					
7,000.00	6,398.25	7,573.51	6,966.90	47.97	36.69	-160.84	-192.67	1,151.82	2,280.87	2,206.23	74.64	30.557					
7,050.00	6,443.70	7,576.46	6,966.74	48.31	36.74	-171.03	-192.57	1,154.75	2,289.35	2,214.26	75.09	30.489					
7,100.00	6,489.42	7,574.70	6,966.83	48.61	36.71	177.95	-192.63	1,153.00	2,298.83	2,223.43	75.40	30.490					
7,150.00	6,535.12	7,568.12	6,967.19	48.87	36.60	166.74	-192.85	1,146.44	2,309.24	2,233.67	75.57	30.558					
7,200.00	6,580.53	7,556.67	6,967.82	49.09	36.41	156.01	-193.26	1,135.01	2,320.47	2,244.86	75.61	30.692					
7,250.00	6,625.36	7,541.95	6,968.65	49.27	36.19	146.23	-193.79	1,120.32	2,332.38	2,256.82	75.57	30.866					
7,300.00	6,669.35	7,523.46	6,969.67	49.42	35.91	137.57	-194.46	1,101.87	2,344.83	2,269.40	75.43	31.085					
7,350.00	6,712.21	7,501.01	6,970.92	49.55	35.57	130.00	-195.30	1,079.47	2,357.64	2,282.43	75.21	31.347					
7,400.00	6,753.69	7,474.74	6,972.36	49.65	35.17	123.39	-196.30	1,053.26	2,370.63	2,295.72	74.91	31.648					
7,450.00	6,793.52	7,460.00	6,973.16	49.73	34.95	117.93	-196.87	1,038.55	2,383.64	2,308.82	74.82	31.857					
7,500.00	6,831.47	7,430.62	6,974.70	49.81	34.55	112.93	-197.92	1,009.23	2,396.53	2,322.01	74.51	32.163					
7,550.00	6,867.30	7,408.72	6,975.76	49.88	34.26	108.72	-198.58	987.37	2,409.23	2,334.88	74.35	32.404					
7,600.00	6,900.78	7,385.21	6,976.83	49.95	33.94	105.02	-199.16	963.89	2,421.57	2,347.38	74.18	32.643					
7,650.00	6,931.72	7,365.00	6,977.68	50.03	33.67	101.85	-199.57	943.70	2,433.41	2,359.30	74.11	32.835					
7,700.00	6,959.92	7,336.02	6,978.04	50.11	33.32	98.96	-199.96	914.73	2,444.63	2,370.67	73.96	33.053					
7,750.00	6,985.20	7,311.89	6,977.10	50.20	33.03	96.50	-200.09	890.62	2,455.14	2,381.21	73.93	33.207					
7,800.00	7,007.41	7,287.98	6,975.05	50.30	32.74	94.36	-200.05	866.80	2,464.86	2,390.90	73.96	33.326					
7,850.00	7,026.42	7,271.00	6,972.93	50.42	32.54	92.60	-199.93	849.96	2,473.74	2,399.57	74.17	33.354					
7,900.00	7,042.11	7,239.99	6,967.74	50.57	32.21	90.96	-199.48	819.39	2,481.63	2,407.40	74.23	33.433					
7,950.00	7,054.37	7,215.92	6,962.60	50.73	31.95	89.67	-198.95	795.88	2,488.53	2,414.07	74.46	33.422					
8,000.00	7,063.14	7,178.00	6,952.57	50.92	31.55	88.50	-197.78	759.34	2,494.43	2,419.92	74.51	33.478					
8,050.00	7,068.36	7,178.00	6,952.57	51.13	31.55	87.92	-197.78	759.34	2,499.11	2,423.84	75.27	33.202					
8,094.17	7,070.00	7,148.44	6,943.25	51.34	31.29	87.36	-196.57	731.32	2,502.28	2,426.76	75.52	33.133					
8,100.00	7,070.03	7,145.79	6,942.36	51.37	31.26	87.34	-196.45	728.82	2,502.65	2,427.07	75.58	33.114					
8,200.00	7,070.55	7,083.00	6,918.59	51.94	30.70	86.79	-192.86	670.84	2,510.32	2,434.00	76.32	32.892					
8,300.00	7,071.07	7,000.29	6,878.90	52.64	30.10	85.89	-188.39	598.49	2,519.49	2,442.52	76.97	32.734					
8,400.00	7,071.60	6,914.40	6,827.75	53.49	29.58	84.72	-185.83	529.63	2,529.08	2,451.35	77.73	32.537					
8,500.00	7,072.12	6,866.08	6,795.09	54.50	29.33	83.98	-184.93	494.04	2,540.54	2,461.40	79.13	32.104					

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	
8,600.00	7,072.64	6,829.72	6,769.07	55.69	29.15	83.39	-184.11	468.65	2,554.77	2,473.99	80.78	31.627	
8,700.00	7,073.17	6,780.53	6,732.00	57.04	28.92	82.55	-182.88	436.37	2,571.86	2,489.57	82.30	31.251	
8,800.00	7,073.69	6,649.70	6,621.58	58.55	28.38	80.07	-186.40	366.94	2,590.54	2,507.81	82.72	31.315	
8,900.00	7,074.21	6,612.00	6,586.99	60.21	28.23	79.28	-189.74	352.36	2,611.20	2,526.77	84.43	30.927	
9,000.00	7,074.74	6,612.00	6,586.99	61.99	28.23	79.28	-189.74	352.36	2,635.40	2,548.75	86.65	30.414	
9,100.00	7,075.26	6,612.00	6,586.99	63.88	28.23	79.28	-189.74	352.36	2,663.14	2,574.32	88.82	29.984	
9,200.00	7,075.78	6,578.95	6,555.88	65.87	28.10	78.58	-192.94	341.69	2,693.53	2,603.05	90.49	29.767	
9,300.00	7,076.30	6,571.69	6,548.96	67.95	28.07	78.43	-193.59	339.61	2,727.60	2,635.16	92.44	29.508	
9,400.00	7,076.83	6,565.07	6,542.61	70.09	28.04	78.28	-194.16	337.78	2,764.79	2,670.47	94.32	29.313	
9,500.00	7,077.35	6,558.99	6,536.77	72.30	28.02	78.15	-194.68	336.18	2,805.00	2,708.87	96.12	29.181	
9,600.00	7,077.87	6,553.39	6,531.38	74.57	27.99	78.03	-195.14	334.77	2,848.10	2,750.25	97.85	29.107	
9,700.00	7,078.40	6,518.00	6,496.93	76.88	27.85	77.26	-197.76	327.14	2,894.71	2,795.58	99.12	29.203	
9,800.00	7,078.92	6,518.00	6,496.93	79.24	27.85	77.26	-197.76	327.14	2,943.02	2,842.27	100.74	29.213	
9,900.00	7,079.44	6,518.00	6,496.93	81.63	27.85	77.26	-197.76	327.14	2,993.89	2,891.62	102.27	29.273	
10,000.00	7,079.97	6,518.00	6,496.93	84.06	27.85	77.26	-197.76	327.14	3,047.20	2,943.49	103.71	29.382	
10,100.00	7,080.49	6,518.00	6,496.93	86.52	27.85	77.26	-197.76	327.14	3,102.81	2,997.75	105.06	29.534	
10,200.00	7,081.01	6,518.00	6,496.93	89.01	27.85	77.26	-197.76	327.14	3,160.61	3,054.29	106.32	29.727	
10,300.00	7,081.54	6,518.00	6,496.93	91.52	27.85	77.26	-197.76	327.14	3,220.48	3,112.98	107.50	29.958	
10,400.00	7,082.06	6,518.00	6,496.93	94.05	27.85	77.26	-197.76	327.14	3,282.30	3,173.70	108.60	30.223	
10,500.00	7,082.58	6,518.00	6,496.93	96.61	27.85	77.26	-197.76	327.14	3,345.97	3,236.34	109.63	30.521	
10,600.00	7,083.10	6,518.00	6,496.93	99.18	27.85	77.26	-197.76	327.14	3,411.39	3,300.80	110.59	30.848	
10,700.00	7,083.63	6,518.00	6,496.93	101.77	27.85	77.26	-197.76	327.14	3,478.45	3,366.97	111.48	31.204	
10,800.00	7,084.15	6,518.00	6,496.93	104.38	27.85	77.26	-197.76	327.14	3,547.06	3,434.76	112.30	31.585	
10,900.00	7,084.67	6,518.00	6,496.93	107.00	27.85	77.26	-197.76	327.14	3,617.13	3,504.06	113.07	31.990	
11,000.00	7,085.20	6,518.00	6,496.93	109.63	27.85	77.26	-197.76	327.14	3,688.59	3,574.80	113.79	32.417	
11,100.00	7,085.72	6,518.00	6,496.93	112.27	27.85	77.26	-197.76	327.14	3,761.34	3,646.89	114.45	32.865	
11,200.00	7,086.24	6,518.00	6,496.93	114.93	27.85	77.26	-197.76	327.14	3,835.33	3,720.26	115.07	33.332	
11,300.00	7,086.77	6,518.00	6,496.93	117.59	27.85	77.26	-197.76	327.14	3,910.47	3,794.83	115.64	33.816	
11,400.00	7,087.29	6,518.00	6,496.93	120.27	27.85	77.26	-197.76	327.14	3,986.70	3,870.53	116.17	34.318	
11,500.00	7,087.81	6,518.00	6,496.93	122.95	27.85	77.26	-197.76	327.14	4,063.96	3,947.30	116.66	34.835	
11,600.00	7,088.33	6,518.00	6,496.93	125.64	27.85	77.26	-197.76	327.14	4,142.20	4,025.08	117.12	35.367	
11,700.00	7,088.86	6,518.00	6,496.93	128.34	27.85	77.26	-197.76	327.14	4,221.36	4,103.81	117.55	35.912	
11,800.00	7,089.38	6,518.00	6,496.93	131.05	27.85	77.26	-197.76	327.14	4,301.38	4,183.44	117.94	36.470	
11,900.00	7,089.90	6,518.00	6,496.93	133.76	27.85	77.26	-197.76	327.14	4,382.23	4,263.92	118.31	37.040	
12,000.00	7,090.43	6,518.00	6,496.93	136.49	27.85	77.26	-197.76	327.14	4,463.85	4,345.20	118.65	37.622	
12,100.00	7,090.95	6,478.53	6,458.02	139.21	27.69	76.40	-200.04	320.91	4,544.96	4,426.26	118.70	38.288	
12,200.00	7,091.47	6,476.81	6,456.31	141.94	27.68	76.36	-200.12	320.69	4,627.90	4,508.91	118.99	38.892	
12,300.00	7,092.00	6,475.14	6,454.66	144.68	27.67	76.33	-200.20	320.47	4,711.50	4,592.24	119.26	39.505	
12,400.00	7,092.52	6,473.53	6,453.07	147.42	27.67	76.29	-200.27	320.27	4,795.72	4,676.21	119.51	40.127	
12,500.00	7,093.04	6,471.98	6,451.53	150.17	27.66	76.26	-200.34	320.07	4,880.54	4,760.79	119.75	40.757	
12,600.00	7,093.57	6,470.48	6,450.04	152.92	27.65	76.23	-200.41	319.89	4,965.91	4,845.95	119.96	41.395	
12,700.00	7,094.09	6,469.02	6,448.60	155.67	27.65	76.20	-200.47	319.71	5,051.82	4,931.65	120.17	42.040	
12,800.00	7,094.61	6,467.62	6,447.20	158.43	27.64	76.16	-200.53	319.55	5,138.24	5,017.88	120.36	42.692	
12,900.00	7,095.13	6,466.25	6,445.85	161.19	27.64	76.14	-200.59	319.39	5,225.13	5,104.60	120.53	43.350	
13,000.00	7,095.66	6,464.93	6,444.54	163.96	27.63	76.11	-200.64	319.23	5,312.49	5,191.79	120.70	44.014	
13,100.00	7,096.18	6,425.00	6,404.79	166.73	27.47	75.24	-201.89	315.70	5,401.46	5,280.84	120.62	44.780	
13,200.00	7,096.70	6,425.00	6,404.79	169.50	27.47	75.24	-201.89	315.70	5,489.59	5,368.81	120.78	45.452	
13,256.62	7,097.00	6,425.00	6,404.79	171.07	27.47	75.24	-201.89	315.70	5,539.67	5,418.81	120.86	45.835	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	127.70	-392.72	508.10	642.27					
100.00	100.00	78.22	78.22	3.28	3.29	127.73	-393.36	508.43	642.92	636.35	6.57	97.851		
200.00	200.00	175.36	175.32	3.34	3.31	127.83	-395.74	509.57	645.34	638.69	6.65	97.023		
300.00	300.00	295.50	295.43	3.44	3.43	128.00	-397.66	508.91	645.89	639.01	6.87	93.976		
400.00	399.98	431.07	430.86	3.60	3.64	-25.33	-397.29	503.15	640.89	633.61	7.28	88.078		
500.00	499.84	555.59	554.71	3.79	3.91	-25.14	-395.17	490.60	627.10	619.31	7.78	80.555		
600.00	599.45	653.08	651.45	4.02	4.16	-25.06	-393.42	478.64	608.55	600.29	8.26	73.697		
700.00	698.70	735.39	733.07	4.29	4.39	-24.95	-394.17	468.08	588.20	579.48	8.72	67.424		
800.00	797.47	810.50	807.57	4.59	4.62	-24.74	-398.22	459.39	568.42	559.19	9.23	61.609		
900.00	895.62	891.74	887.97	4.93	4.89	-24.38	-405.99	450.77	548.88	539.07	9.81	55.959		
1,000.00	993.06	977.68	972.97	5.31	5.19	-24.03	-416.01	443.04	528.82	518.37	10.45	50.584		
1,100.00	1,089.64	1,056.26	1,050.77	5.72	5.47	-23.93	-425.91	438.32	508.52	497.42	11.11	45.785		
1,200.00	1,185.27	1,134.34	1,128.02	6.16	5.75	-24.04	-437.12	436.46	488.92	477.14	11.79	41.483		
1,300.00	1,279.82	1,220.61	1,213.10	6.64	6.06	-24.32	-451.34	437.00	469.75	457.23	12.52	37.513		
1,400.00	1,373.17	1,314.70	1,305.68	7.16	6.42	-24.74	-468.06	438.12	448.78	435.46	13.32	33.690		
1,500.00	1,465.21	1,410.25	1,399.41	7.71	6.79	-25.20	-486.58	438.63	425.25	411.09	14.16	30.026		
1,600.00	1,555.84	1,504.65	1,491.85	8.31	7.18	-25.79	-505.75	438.83	399.02	383.98	15.04	26.538		
1,613.50	1,567.96	1,517.25	1,504.18	8.39	7.23	-25.89	-508.37	438.87	395.29	380.13	15.16	26.077		
1,700.00	1,645.53	1,599.12	1,584.21	8.93	7.58	-26.32	-525.60	439.17	371.45	355.51	15.94	23.307		
1,800.00	1,735.20	1,693.97	1,676.91	9.58	8.00	-26.90	-545.70	439.71	344.16	327.30	16.86	20.412		
1,900.00	1,824.87	1,789.89	1,770.53	10.25	8.42	-27.53	-566.51	440.47	317.38	299.57	17.81	17.819		
2,000.00	1,914.54	1,888.34	1,866.92	10.92	8.86	-28.55	-586.53	441.42	289.97	271.17	18.79	15.429		
2,100.00	2,004.21	1,986.96	1,963.64	11.61	9.31	-29.94	-605.81	442.39	262.24	242.45	19.80	13.246		
2,200.00	2,093.89	2,084.50	2,059.41	12.30	9.75	-31.56	-624.27	441.87	233.12	212.29	20.82	11.196		
2,300.00	2,183.56	2,178.40	2,151.59	13.01	10.19	-33.60	-642.14	441.77	204.61	182.73	21.88	9.351		
2,400.00	2,273.23	2,275.29	2,246.79	13.71	10.64	-36.62	-660.13	442.29	176.76	153.77	22.99	7.688		
2,500.00	2,362.90	2,371.71	2,341.51	14.43	11.09	-40.41	-678.18	441.28	148.21	124.06	24.16	6.135		
2,600.00	2,452.57	2,466.81	2,434.98	15.14	11.53	-46.04	-695.73	440.48	120.62	95.18	25.44	4.741		
2,700.00	2,542.25	2,561.45	2,528.07	15.87	11.97	-55.04	-712.71	440.03	95.02	68.09	26.93	3.529		
2,800.00	2,631.92	2,656.90	2,622.00	16.59	12.42	-69.87	-729.69	440.13	73.84	45.24	28.60	2.582		
2,900.00	2,721.59	2,753.32	2,716.94	17.32	12.88	-93.87	-746.47	438.98	59.99	29.99	30.00	1.999		
2,953.34	2,769.42	2,804.35	2,767.13	17.71	13.12	-110.00	-755.49	437.30	57.57	27.36	30.21	1.906 CC, ES, SF		
3,000.00	2,811.26	2,848.56	2,810.60	18.05	13.33	-123.97	-763.45	435.78	59.51	29.45	30.06	1.980		
3,100.00	2,900.93	2,943.52	2,903.87	18.78	13.78	-147.81	-780.99	432.84	74.20	44.50	29.71	2.498		
3,200.00	2,990.60	3,038.36	2,997.03	19.51	14.24	-162.37	-798.60	430.19	97.33	67.28	30.05	3.239		
3,300.00	3,080.28	3,133.50	3,090.52	20.25	14.69	-170.83	-816.16	428.34	124.11	93.29	30.82	4.027		
3,400.00	3,169.95	3,228.88	3,184.23	20.99	15.15	-176.22	-833.84	426.67	152.40	120.64	31.75	4.799		
3,500.00	3,259.62	3,323.72	3,277.47	21.73	15.61	-179.66	-851.21	425.72	181.43	148.70	32.73	5.543		
3,600.00	3,349.29	3,419.14	3,371.38	22.47	16.06	-178.13	-868.07	425.63	211.04	177.31	33.74	6.256		
3,700.00	3,438.96	3,514.38	3,465.15	23.21	16.52	-176.60	-884.76	426.09	240.72	205.99	34.74	6.930		
3,800.00	3,528.64	3,608.57	3,557.93	23.95	16.97	-175.50	-900.91	426.75	270.75	235.03	35.72	7.579		
3,900.00	3,618.31	3,698.62	3,646.79	24.69	17.39	-174.70	-915.53	427.14	301.73	265.11	36.63	8.238		
4,000.00	3,707.98	3,793.17	3,740.11	25.44	17.84	-173.71	-930.63	425.47	334.07	296.44	37.63	8.877		
4,100.00	3,797.65	3,891.38	3,836.69	26.18	18.32	-172.51	-948.16	422.30	365.73	327.01	38.72	9.445		
4,200.00	3,887.32	3,986.96	3,930.48	26.93	18.78	-171.40	-966.21	418.93	396.83	357.06	39.77	9.977		
4,300.00	3,976.99	4,083.89	4,025.48	27.68	19.26	-170.34	-985.09	415.02	427.87	387.01	40.85	10.473		
4,400.00	4,066.67	4,181.97	4,121.50	28.42	19.75	-169.40	-1,004.77	411.37	458.38	416.43	41.95	10.926		
4,500.00	4,156.34	4,277.99	4,215.43	29.17	20.22	-168.60	-1,024.37	408.08	488.54	445.52	43.02	11.356		
4,600.00	4,246.01	4,370.14	4,305.74	29.92	20.68	-168.03	-1,042.53	405.53	518.94	474.92	44.02	11.789		
4,700.00	4,335.68	4,477.97	4,411.37	30.67	21.21	-167.47	-1,064.09	403.31	548.77	503.53	45.24	12.130		
4,800.00	4,425.35	4,584.12	4,515.03	31.42	21.75	-167.03	-1,086.93	402.84	576.49	530.08	46.42	12.419		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
4,900.00	4,515.03	4,671.20	4,600.09	32.17	22.19	166.69	-1,105.54	402.38	604.37	557.01	47.36	12.760		
5,000.00	4,604.70	4,765.37	4,692.13	32.92	22.66	166.34	-1,125.47	401.36	632.80	584.40	48.40	13.075		
5,100.00	4,694.37	4,853.81	4,778.72	33.67	23.10	166.07	-1,143.40	400.32	661.96	612.61	49.35	13.414		
5,200.00	4,784.04	4,944.90	4,868.03	34.42	23.55	165.82	-1,161.28	398.73	691.97	641.64	50.33	13.748		
5,300.00	4,873.71	5,049.61	4,970.77	35.17	24.07	165.64	-1,181.47	397.94	721.65	670.16	51.49	14.015		
5,400.00	4,963.38	5,148.65	5,067.98	35.92	24.55	165.59	-1,200.40	398.81	750.46	697.90	52.56	14.279		
5,500.00	5,053.06	5,239.82	5,157.56	36.67	25.00	165.62	-1,217.24	400.33	779.27	725.76	53.51	14.562		
5,600.00	5,142.73	5,329.44	5,239.97	37.43	25.40	165.72	-1,231.32	401.85	809.20	754.84	54.36	14.885		
5,700.00	5,232.40	5,409.81	5,325.32	38.18	25.81	165.88	-1,244.47	403.42	840.32	785.09	55.23	15.215		
5,800.00	5,322.07	5,514.02	5,428.21	38.93	26.30	165.99	-1,260.98	404.55	871.45	815.10	56.35	15.466		
5,900.00	5,411.74	5,608.89	5,521.62	39.68	26.77	165.97	-1,277.55	404.56	902.02	844.66	57.36	15.726		
6,000.00	5,501.42	5,691.34	5,602.89	40.44	27.16	165.95	-1,291.42	404.22	933.31	875.11	58.20	16.036		
6,100.00	5,591.09	5,823.73	5,733.06	41.19	27.81	165.89	-1,315.52	404.46	963.17	903.48	59.69	16.136		
6,200.00	5,680.76	5,923.20	5,830.35	41.94	28.31	165.78	-1,336.20	405.22	990.76	929.98	60.77	16.302		
6,300.00	5,770.43	6,003.60	5,909.22	42.70	28.71	165.74	-1,351.73	406.08	1,019.31	957.69	61.62	16.541		
6,400.00	5,860.10	6,088.46	5,992.76	43.45	29.12	165.74	-1,366.72	406.47	1,049.43	986.91	62.52	16.787		
6,500.00	5,949.77	6,191.40	6,093.92	44.20	29.63	165.70	-1,385.73	406.67	1,079.11	1,015.48	63.63	16.958		
6,600.00	6,039.45	6,284.92	6,185.98	44.96	30.08	165.71	-1,402.14	407.46	1,109.11	1,044.48	64.63	17.162		
6,700.00	6,129.12	6,374.16	6,276.01	45.71	30.67	165.71	-1,417.42	1,146.84	1,116.60	1,055.78	60.82	18.360		
6,800.00	6,218.79	6,463.55	6,365.57	46.46	31.30	165.60	-1,432.67	1,192.07	1,075.04	1,010.01	65.03	16.531		
6,900.00	6,308.46	6,552.84	6,455.84	47.22	31.98	165.53	-1,447.84	1,238.32	1,030.59	971.60	68.99	15.084		
6,969.86	6,371.11	6,595.29	6,485.91	47.75	32.87	165.43	-1,463.04	1,230.75	1,021.38	949.86	71.52	14.281		
7,000.00	6,398.25	6,600.02	6,485.93	47.97	32.94	165.73	-1,480.29	1,235.47	1,014.41	941.86	72.55	13.982		
7,050.00	6,443.70	6,605.35	6,485.96	48.31	33.02	165.93	-1,500.57	1,240.79	1,004.70	930.56	74.14	13.551		
7,100.00	6,489.42	6,607.58	6,485.97	48.61	33.06	165.36	-1,500.68	1,243.02	997.47	921.93	75.55	13.204		
7,150.00	6,535.12	6,606.78	6,485.97	48.87	33.05	171.93	-1,580.64	1,242.22	992.85	916.11	76.74	12.937		
7,200.00	6,580.53	6,603.03	6,485.95	49.09	32.99	162.48	-1,580.45	1,238.47	990.89	913.18	77.72	12.750		
7,211.83	6,591.20	6,601.72	6,485.94	49.13	32.97	160.34	-1,580.38	1,237.17	990.82	912.91	77.91	12.717		
7,250.00	6,625.36	6,596.44	6,485.92	49.27	32.89	153.73	-1,580.10	1,231.89	991.58	913.12	78.46	12.638		
7,300.00	6,669.35	6,587.12	6,485.86	49.42	32.75	145.84	-1,579.59	1,222.59	994.83	915.86	78.97	12.597		
7,350.00	6,712.21	6,576.34	6,485.79	49.55	32.58	138.85	-1,578.94	1,211.82	1,000.50	921.20	79.30	12.617		
7,400.00	6,753.69	6,567.16	6,485.58	49.65	32.31	132.28	-1,577.71	1,192.69	1,008.35	929.04	79.31	12.714		
7,450.00	6,793.52	6,535.85	6,485.04	49.73	32.01	126.33	-1,576.24	1,171.43	1,018.07	938.92	79.15	12.862		
7,500.00	6,831.47	6,512.66	6,484.08	49.81	31.69	120.89	-1,574.53	1,148.33	1,029.37	950.50	78.87	13.052		
7,550.00	6,867.30	6,491.61	6,482.82	49.88	31.38	116.06	-1,572.91	1,127.37	1,041.93	963.36	78.57	13.261		
7,600.00	6,900.78	6,456.59	6,480.07	49.95	30.94	111.05	-1,569.99	1,092.59	1,055.48	977.54	77.94	13.542		
7,650.00	6,931.72	6,421.54	6,475.80	50.03	30.51	106.46	-1,567.09	1,057.93	1,069.49	992.20	77.29	13.837		
7,700.00	6,959.92	6,386.47	6,470.04	50.11	30.09	102.26	-1,564.22	1,023.46	1,083.71	1,007.05	76.65	14.138		
7,750.00	6,985.20	6,352.48	6,463.03	50.20	30.73	98.47	-1,561.45	990.31	1,097.91	1,021.79	76.12	14.423		
7,800.00	7,007.41	6,318.59	6,454.65	50.30	30.40	95.02	-1,558.68	957.60	1,111.91	1,036.26	75.65	14.698		
7,850.00	7,026.42	6,288.00	6,445.91	50.42	30.12	92.00	-1,556.19	928.39	1,125.50	1,050.17	75.34	14.940		
7,900.00	7,042.11	6,257.94	6,436.29	50.57	30.89	89.31	-1,553.64	900.02	1,138.63	1,063.45	75.18	15.146		
7,950.00	7,054.37	6,230.23	6,426.55	50.73	30.71	86.99	-1,551.09	874.21	1,151.22	1,076.04	75.18	15.313		
8,000.00	7,063.14	6,193.00	6,412.19	50.92	30.51	84.71	-1,547.38	840.07	1,163.18	1,088.18	74.99	15.510		
8,050.00	7,068.36	6,171.31	6,403.07	51.13	30.41	83.11	-1,545.13	820.52	1,174.15	1,098.74	75.41	15.571		
8,094.17	7,070.00	6,142.96	6,390.18	51.34	30.30	81.70	-1,542.20	795.44	1,182.99	1,107.41	75.58	15.652		
8,100.00	7,070.03	6,139.25	6,388.41	51.37	30.29	81.62	-1,541.81	792.20	1,184.10	1,108.49	75.61	15.662		
8,200.00	7,070.55	6,108.13	6,357.81	51.94	30.10	80.17	-1,535.75	742.00	1,205.11	1,128.86	76.26	15.803		
8,300.00	7,071.07	6,029.23	6,272.84	52.64	30.96	78.77	-1,530.54	701.21	1,230.25	1,153.04	77.21	15.933		
8,400.00	7,071.60	6,006.00	6,253.09	53.49	30.90	78.09	-1,528.16	683.43	1,260.21	1,181.22	78.98	15.955		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 141-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,500.00	7,072.12	6,959.29	6,781.77	54.50	32.76	76.67	-1,522.71	649.22	1,294.83	1,214.77	80.06	16.173					
8,600.00	7,072.64	6,911.00	6,747.36	55.69	32.63	75.16	-1,515.72	616.08	1,335.12	1,254.06	81.05	16.472					
8,700.00	7,073.17	6,911.00	6,747.36	57.04	32.63	75.16	-1,515.72	616.08	1,379.44	1,296.21	83.23	16.573					
8,800.00	7,073.69	6,874.76	6,720.39	58.55	32.51	74.01	-1,509.72	592.63	1,428.37	1,344.01	84.36	16.932					
8,900.00	7,074.21	6,847.71	6,699.73	60.21	32.42	73.15	-1,504.94	575.84	1,481.28	1,395.68	85.60	17.304					
9,000.00	7,074.74	6,815.00	6,674.17	61.99	32.32	72.10	-1,498.82	556.37	1,537.90	1,451.27	86.62	17.754					
9,100.00	7,075.26	6,795.16	6,658.35	63.88	32.25	71.47	-1,495.01	545.02	1,597.75	1,509.96	87.79	18.200					
9,200.00	7,075.78	6,768.15	6,636.42	65.87	32.15	70.60	-1,489.89	530.11	1,660.56	1,571.86	88.71	18.719					
9,300.00	7,076.30	6,743.34	6,615.89	67.95	32.06	69.81	-1,485.25	516.97	1,726.09	1,636.51	89.57	19.271					
9,400.00	7,076.83	6,720.00	6,596.25	70.09	31.98	69.05	-1,480.95	505.12	1,794.11	1,703.76	90.34	19.859					
9,500.00	7,077.35	6,720.00	6,596.25	72.30	31.98	69.05	-1,480.95	505.12	1,864.69	1,773.33	91.37	20.409					
9,600.00	7,077.87	6,684.89	6,566.12	74.57	31.85	67.92	-1,474.52	488.30	1,936.99	1,845.17	91.81	21.097					
9,700.00	7,078.40	6,669.07	6,552.31	76.88	31.79	67.41	-1,471.63	481.15	2,011.50	1,919.06	92.44	21.759					
9,800.00	7,078.92	6,627.00	6,514.92	79.24	31.63	66.06	-1,463.97	463.44	2,088.36	1,995.67	92.69	22.531					
9,900.00	7,079.44	6,627.00	6,514.92	81.63	31.63	66.06	-1,463.97	463.44	2,165.93	2,072.56	93.37	23.196					
10,000.00	7,079.97	6,627.00	6,514.92	84.06	31.63	66.06	-1,463.97	463.44	2,245.28	2,151.30	93.97	23.893					
10,100.00	7,080.49	6,627.00	6,514.92	86.52	31.63	66.06	-1,463.97	463.44	2,326.22	2,231.72	94.49	24.618					
10,200.00	7,081.01	6,627.00	6,514.92	89.01	31.63	66.06	-1,463.97	463.44	2,408.59	2,313.64	94.94	25.368					
10,300.00	7,081.54	6,627.00	6,514.92	91.52	31.63	66.06	-1,463.97	463.44	2,492.25	2,396.91	95.34	26.141					
10,400.00	7,082.06	6,627.00	6,514.92	94.05	31.63	66.06	-1,463.97	463.44	2,577.07	2,481.39	95.68	26.933					
10,500.00	7,082.58	6,585.39	6,477.03	96.61	31.46	64.73	-1,456.30	448.07	2,661.44	2,565.70	95.74	27.800					
10,600.00	7,083.10	6,578.39	6,470.57	99.18	31.43	64.51	-1,454.98	445.73	2,747.72	2,651.74	95.98	28.627					
10,700.00	7,083.63	6,571.79	6,464.45	101.77	31.41	64.30	-1,453.74	443.57	2,834.83	2,738.63	96.21	29.466					
10,800.00	7,084.15	6,533.00	6,428.13	104.38	31.25	63.09	-1,446.33	432.19	2,923.62	2,827.38	96.23	30.380					
10,900.00	7,084.67	6,533.00	6,428.13	107.00	31.25	63.09	-1,446.33	432.19	3,011.87	2,915.42	96.46	31.225					
11,000.00	7,085.20	6,533.00	6,428.13	109.63	31.25	63.09	-1,446.33	432.19	3,100.84	3,004.19	96.65	32.082					
11,100.00	7,085.72	6,533.00	6,428.13	112.27	31.25	63.09	-1,446.33	432.19	3,190.46	3,093.64	96.83	32.950					
11,200.00	7,086.24	6,533.00	6,428.13	114.93	31.25	63.09	-1,446.33	432.19	3,280.69	3,183.71	96.98	33.828					
11,300.00	7,086.77	6,533.00	6,428.13	117.59	31.25	63.09	-1,446.33	432.19	3,371.46	3,274.34	97.12	34.716					
11,400.00	7,087.29	6,533.00	6,428.13	120.27	31.25	63.09	-1,446.33	432.19	3,462.74	3,365.50	97.24	35.611					
11,500.00	7,087.81	6,533.00	6,428.13	122.95	31.25	63.09	-1,446.33	432.19	3,554.49	3,457.15	97.35	36.514					
11,600.00	7,088.33	6,533.00	6,428.13	125.64	31.25	63.09	-1,446.33	432.19	3,646.68	3,549.23	97.44	37.424					
11,700.00	7,088.86	6,533.00	6,428.13	128.34	31.25	63.09	-1,446.33	432.19	3,739.26	3,641.73	97.53	38.340					
11,800.00	7,089.38	6,533.00	6,428.13	131.05	31.25	63.09	-1,446.33	432.19	3,832.22	3,734.62	97.61	39.262					
11,900.00	7,089.90	6,533.00	6,428.13	133.76	31.25	63.09	-1,446.33	432.19	3,925.53	3,827.85	97.67	40.190					
12,000.00	7,090.43	6,533.00	6,428.13	136.49	31.25	63.09	-1,446.33	432.19	4,019.15	3,921.42	97.74	41.122					
12,100.00	7,090.95	6,533.00	6,428.13	139.21	31.25	63.09	-1,446.33	432.19	4,113.08	4,015.29	97.79	42.059					
12,200.00	7,091.47	6,533.00	6,428.13	141.94	31.25	63.09	-1,446.33	432.19	4,207.29	4,109.45	97.84	43.001					
12,300.00	7,092.00	6,533.00	6,428.13	144.68	31.25	63.09	-1,446.33	432.19	4,301.76	4,203.87	97.89	43.945					
12,400.00	7,092.52	6,533.00	6,428.13	147.42	31.25	63.09	-1,446.33	432.19	4,396.47	4,298.54	97.93	44.894					
12,500.00	7,093.04	6,533.00	6,428.13	150.17	31.25	63.09	-1,446.33	432.19	4,491.41	4,393.45	97.97	45.846					
12,600.00	7,093.57	6,533.00	6,428.13	152.92	31.25	63.09	-1,446.33	432.19	4,586.57	4,488.57	98.00	46.800					
12,700.00	7,094.09	6,533.00	6,428.13	155.67	31.25	63.09	-1,446.33	432.19	4,681.93	4,583.90	98.03	47.758					
12,800.00	7,094.61	6,533.00	6,428.13	158.43	31.25	63.09	-1,446.33	432.19	4,777.48	4,679.42	98.06	48.718					
12,900.00	7,095.13	6,492.06	6,389.06	161.19	31.06	61.82	-1,438.53	422.79	4,871.60	4,773.53	98.07	49.675					
13,000.00	7,095.66	6,490.08	6,387.15	163.96	31.05	61.76	-1,438.16	422.41	4,967.33	4,869.24	98.10	50.636					
13,100.00	7,096.18	6,488.17	6,385.32	166.73	31.04	61.70	-1,437.81	422.05	5,063.23	4,965.10	98.13	51.599					
13,200.00	7,096.70	6,486.34	6,383.54	169.50	31.04	61.64	-1,437.47	421.71	5,159.27	5,061.12	98.15	52.564					
13,256.62	7,097.00	6,485.33	6,382.57	171.07	31.03	61.61	-1,437.28	421.53	5,213.71	5,115.55	98.17	53.111					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	136.40	-532.61	507.26	735.60					
100.00	100.00	94.18	94.18	3.28	3.29	136.39	-532.32	507.08	735.20	728.63	6.57	111.879		
200.00	200.00	199.99	199.98	3.34	3.31	136.37	-531.33	506.44	734.10	727.46	6.65	110.437		
300.00	300.00	306.89	306.86	3.44	3.38	136.32	-529.33	505.53	732.17	725.35	6.82	107.292		
400.00	399.98	418.21	418.08	3.60	3.53	-17.49	-524.63	505.38	727.37	720.24	7.13	102.011		
500.00	499.84	522.82	522.51	3.79	3.72	-17.99	-518.66	504.89	717.97	710.45	7.52	95.480		
600.00	599.45	608.56	608.18	4.02	3.91	-18.35	-515.44	503.49	705.89	697.96	7.93	88.973		
700.00	698.70	697.06	696.64	4.29	4.13	-18.59	-515.30	501.13	692.35	683.93	8.42	82.257		
800.00	797.47	786.71	786.10	4.59	4.37	-18.59	-518.90	496.74	676.89	667.94	8.96	75.588		
900.00	895.62	884.26	883.01	4.93	4.65	-18.25	-526.91	489.05	659.06	649.49	9.57	68.884		
1,000.00	993.06	981.81	979.39	5.31	4.96	-17.64	-537.55	478.45	637.89	627.66	10.23	62.347		
1,100.00	1,089.64	1,075.27	1,071.18	5.72	5.29	-16.79	-550.08	466.14	613.85	602.92	10.93	56.164		
1,200.00	1,185.27	1,167.46	1,161.46	6.16	5.63	-15.85	-563.71	453.40	587.33	575.66	11.67	50.350		
1,300.00	1,279.82	1,260.27	1,252.12	6.64	5.99	-14.77	-578.48	440.10	558.31	545.87	12.44	44.888		
1,400.00	1,373.17	1,358.36	1,347.72	7.16	6.40	-13.45	-594.62	425.25	526.26	513.00	13.26	39.688		
1,500.00	1,465.21	1,454.46	1,441.36	7.71	6.81	-12.01	-609.91	409.94	490.47	476.37	14.10	34.785		
1,600.00	1,555.84	1,550.50	1,535.14	8.31	7.23	-10.49	-624.06	394.88	451.12	436.17	14.95	30.168		
1,613.50	1,567.96	1,563.40	1,547.77	8.39	7.29	-10.28	-625.83	392.90	445.51	430.44	15.07	29.553		
1,700.00	1,645.53	1,641.28	1,624.19	8.93	7.63	-8.92	-635.84	381.72	409.43	393.63	15.80	25.917		
1,800.00	1,735.20	1,728.97	1,710.60	9.58	8.01	-7.44	-646.15	371.00	368.22	351.59	16.64	22.134		
1,900.00	1,824.87	1,815.35	1,796.09	10.25	8.38	-6.14	-655.79	363.23	328.37	310.88	17.48	18.780		
2,000.00	1,914.54	1,905.42	1,885.49	10.92	8.76	-5.01	-665.35	357.96	289.74	271.39	18.34	15.796		
2,100.00	2,004.21	2,005.30	1,984.76	11.61	9.19	-3.55	-674.86	352.42	250.54	231.36	19.18	13.065		
2,200.00	2,093.89	2,099.24	2,078.28	12.30	9.58	-1.71	-680.82	345.90	208.29	188.28	20.01	10.410		
2,300.00	2,183.56	2,188.75	2,167.45	13.01	9.96	0.67	-686.27	340.33	166.38	145.51	20.88	7.970		
2,400.00	2,273.23	2,278.98	2,257.39	13.71	10.34	4.18	-691.81	335.76	125.32	103.57	21.76	5.761		
2,500.00	2,362.90	2,371.61	2,349.77	14.43	10.73	10.87	-697.01	331.42	84.69	62.08	22.61	3.745		
2,600.00	2,452.57	2,462.62	2,440.70	15.14	11.11	26.91	-699.18	328.34	43.72	19.94	23.78	1.839		
2,687.69	2,531.21	2,541.45	2,519.48	15.78	11.44	85.53	-700.91	326.14	21.07	-5.81	26.88	0.784 Level 1, CC, ES, SF		
2,700.00	2,542.25	2,552.52	2,530.55	15.87	11.48	98.47	-701.15	325.84	21.74	-5.28	27.02	0.805 Level 1		
2,800.00	2,631.92	2,642.34	2,620.32	16.59	11.86	150.11	-702.99	323.41	53.48	27.53	25.95	2.061		
2,900.00	2,721.59	2,731.77	2,709.70	17.32	12.23	161.60	-704.39	320.93	95.67	69.30	26.37	3.628		
3,000.00	2,811.26	2,821.14	2,799.02	18.05	12.60	166.04	-705.62	318.23	139.39	112.29	27.10	5.144		
3,100.00	2,900.93	2,910.48	2,888.35	18.78	12.96	168.96	-705.73	316.82	183.59	155.71	27.88	6.585		
3,200.00	2,990.60	2,999.94	2,977.80	19.51	13.33	170.90	-705.53	315.83	228.05	199.35	28.70	7.945		
3,300.00	3,080.28	3,089.46	3,067.30	20.25	13.70	172.11	-705.59	314.53	272.61	243.05	29.55	9.225		
3,400.00	3,169.95	3,179.00	3,156.84	20.99	14.07	172.98	-705.71	313.22	317.18	286.77	30.41	10.429		
3,500.00	3,259.62	3,268.27	3,246.10	21.73	14.44	173.62	-705.85	311.88	361.81	330.53	31.28	11.568		
3,600.00	3,349.29	3,357.28	3,335.10	22.47	14.81	174.12	-705.91	310.52	406.53	374.40	32.14	12.650		
3,700.00	3,438.96	3,444.75	3,422.56	23.21	15.18	174.57	-705.61	309.35	451.52	418.55	32.97	13.695		
3,800.00	3,528.64	3,531.94	3,509.74	23.95	15.53	174.97	-704.85	308.25	496.87	463.08	33.80	14.701		
3,900.00	3,618.31	3,621.87	3,599.66	24.69	15.90	175.34	-703.88	307.20	542.38	507.70	34.68	15.639		
4,000.00	3,707.98	3,710.89	3,688.67	25.44	16.26	175.64	-703.03	306.21	587.77	552.22	35.55	16.534		
4,100.00	3,797.65	3,805.61	3,783.38	26.18	16.65	175.92	-702.40	305.29	632.89	596.37	36.52	17.331		
4,200.00	3,887.32	3,903.45	3,881.22	26.93	17.04	176.29	-702.05	306.10	676.98	639.47	37.51	18.047		
4,300.00	3,976.99	3,993.64	3,971.37	27.68	17.39	176.71	-701.62	308.35	720.43	682.06	38.37	18.775		
4,400.00	4,066.67	4,082.56	4,060.28	28.42	17.74	177.03	-701.33	310.08	764.04	724.82	39.21	19.484		
4,500.00	4,156.34	4,175.78	4,153.49	29.17	18.10	177.31	-701.26	311.61	807.59	767.47	40.12	20.127		
4,600.00	4,246.01	4,265.34	4,243.04	29.92	18.45	177.51	-701.69	312.81	850.86	809.87	40.99	20.760		
4,700.00	4,335.68	4,356.85	4,334.54	30.67	18.82	177.66	-702.27	313.54	894.24	852.36	41.88	21.352		
4,800.00	4,425.35	4,450.40	4,428.08	31.42	19.20	177.78	-703.35	314.10	937.31	894.50	42.81	21.894		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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					
4,900.00	4,515.03	4,541.42	4,519.09	32.17	19.57	177.86	-704.74	314.50	980.15	936.44	43.71	22.424					
5,000.00	4,604.70	4,630.71	4,608.37	32.92	19.94	177.92	-706.11	314.75	1,023.05	978.46	44.59	22.943					
5,100.00	4,694.37	4,730.02	4,707.67	33.67	20.35	177.99	-707.77	315.11	1,065.83	1,020.22	45.60	23.372					
5,200.00	4,784.04	4,822.53	4,800.14	34.42	20.74	178.02	-710.36	315.47	1,107.67	1,061.14	46.53	23.806					
5,300.00	4,873.71	4,904.45	4,882.03	35.17	21.09	178.00	-712.60	314.89	1,150.04	1,102.71	47.33	24.300					
5,400.00	4,963.38	4,986.74	4,964.29	35.92	21.44	177.96	-714.45	313.69	1,193.11	1,144.98	48.13	24.789					
5,500.00	5,053.06	5,072.84	5,050.36	36.67	21.81	177.93	-716.00	312.26	1,236.64	1,187.65	48.99	25.243					
5,600.00	5,142.73	5,160.24	5,137.74	37.43	22.19	177.91	-717.41	310.94	1,280.25	1,230.39	49.86	25.675					
5,700.00	5,232.40	5,228.87	5,206.36	38.18	22.48	177.93	-717.55	310.20	1,324.79	1,274.31	50.48	26.243					
5,800.00	5,322.07	5,301.00	5,278.48	38.93	22.78	177.98	-716.40	309.59	1,370.62	1,319.49	51.13	26.804					
5,900.00	5,411.74	5,379.82	5,357.27	39.68	23.10	178.04	-714.38	308.61	1,417.39	1,365.51	51.88	27.321					
6,000.00	5,501.42	5,464.83	5,442.23	40.44	23.45	178.10	-711.99	307.33	1,464.47	1,411.75	52.71	27.781					
6,100.00	5,591.09	5,570.81	5,548.16	41.19	23.90	178.12	-709.66	304.74	1,511.53	1,457.68	53.84	28.073					
6,200.00	5,680.76	5,703.56	5,680.88	41.94	24.47	178.10	-710.14	302.33	1,556.19	1,500.88	55.31	28.136					
6,300.00	5,770.43	5,801.96	5,779.26	42.70	24.89	178.09	-711.82	301.37	1,599.48	1,543.16	56.32	28.398					
6,400.00	5,860.10	5,861.86	5,839.16	43.45	25.15	178.10	-712.38	300.86	1,643.38	1,586.52	56.86	28.904					
6,500.00	5,949.77	5,930.86	5,908.14	44.20	25.44	178.12	-711.63	299.98	1,688.95	1,631.45	57.49	29.376					
6,600.00	6,039.45	6,033.19	6,010.47	44.96	25.87	178.16	-710.57	298.88	1,734.45	1,675.89	58.56	29.619					
6,700.00	6,129.12	6,129.33	6,106.60	45.71	26.27	178.19	-710.11	298.20	1,779.36	1,719.82	59.55	29.883					
6,800.00	6,218.79	6,217.33	6,194.60	46.46	26.65	178.23	-709.73	297.65	1,824.21	1,763.78	60.43	30.188					
6,900.00	6,308.46	7,754.60	7,146.38	47.22	37.58	-156.61	-706.45	1,174.94	1,857.46	1,784.78	72.68	25.555					
6,969.86	6,371.11	7,764.58	7,146.52	47.75	37.74	-156.31	-706.50	1,184.92	1,854.73	1,780.77	73.96	25.079					
7,000.00	6,398.25	7,768.51	7,146.59	47.97	37.81	-161.38	-706.51	1,188.84	1,854.32	1,779.85	74.47	24.900					
7,010.87	6,408.10	7,769.70	7,146.61	48.04	37.83	-163.32	-706.52	1,190.04	1,854.29	1,779.65	74.65	24.841					
7,050.00	6,443.70	7,772.99	7,146.68	48.31	37.88	-170.76	-706.53	1,193.33	1,854.69	1,779.44	75.25	24.647					
7,100.00	6,489.42	7,774.85	7,146.71	48.61	37.91	179.03	-706.54	1,195.19	1,856.37	1,780.44	75.92	24.450					
7,150.00	6,535.12	7,773.98	7,146.69	48.87	37.90	168.65	-706.53	1,194.32	1,859.35	1,782.86	76.49	24.308					
7,200.00	6,580.53	7,770.28	7,146.62	49.09	37.84	158.74	-706.52	1,190.62	1,863.60	1,786.65	76.95	24.219					
7,250.00	6,625.36	7,763.68	7,146.51	49.27	37.73	149.73	-706.49	1,184.02	1,869.08	1,791.78	77.30	24.180					
7,300.00	6,669.35	7,754.10	7,146.38	49.42	37.57	141.77	-706.45	1,174.44	1,875.68	1,798.14	77.54	24.190					
7,350.00	6,712.21	7,741.52	7,146.26	49.55	37.37	134.83	-706.37	1,161.86	1,883.30	1,805.62	77.68	24.244					
7,400.00	6,753.69	7,725.90	7,146.20	49.65	37.11	128.78	-706.26	1,146.25	1,891.80	1,814.08	77.73	24.339					
7,450.00	6,793.52	7,712.00	7,146.19	49.73	36.87	123.60	-706.15	1,132.35	1,901.02	1,823.25	77.77	24.445					
7,500.00	6,831.47	7,674.82	7,146.47	49.81	36.32	118.53	-705.79	1,095.17	1,910.75	1,833.36	77.39	24.691					
7,550.00	6,867.30	7,634.59	7,146.26	49.88	35.72	114.00	-705.52	1,054.94	1,920.59	1,843.65	76.94	24.963					
7,600.00	6,900.78	7,595.79	7,145.54	49.95	35.16	110.05	-705.35	1,016.15	1,930.33	1,853.79	76.53	25.223					
7,650.00	6,931.72	7,564.07	7,144.23	50.03	34.74	106.71	-705.11	984.45	1,939.92	1,863.61	76.31	25.423					
7,700.00	6,959.92	7,531.47	7,142.09	50.11	34.30	103.75	-704.69	951.92	1,949.26	1,873.17	76.09	25.618					
7,750.00	6,985.20	7,487.02	7,137.92	50.20	33.75	100.92	-703.95	907.68	1,958.17	1,882.45	75.72	25.860					
7,800.00	7,007.41	7,424.12	7,129.97	50.30	33.01	98.17	-703.27	845.29	1,966.06	1,890.97	75.09	26.181					
7,850.00	7,026.42	7,383.93	7,123.00	50.42	32.59	96.12	-702.96	805.72	1,972.89	1,897.93	74.96	26.320					
7,900.00	7,042.11	7,348.50	7,114.35	50.57	32.23	94.41	-702.45	771.37	1,978.91	1,903.96	74.95	26.402					
7,950.00	7,054.37	7,291.72	7,095.80	50.73	31.71	92.61	-701.40	717.74	1,984.03	1,909.36	74.67	26.569					
8,000.00	7,063.14	7,162.65	7,035.77	50.92	30.74	89.75	-702.38	603.77	1,986.88	1,913.56	73.33	27.097					
8,050.00	7,068.36	7,115.31	7,007.85	51.13	30.44	88.58	-704.04	565.60	1,987.51	1,914.16	73.35	27.096					
8,094.17	7,070.00	7,095.34	6,995.33	51.34	30.33	88.16	-704.66	550.05	1,987.31	1,913.53	73.79	26.933					
8,100.00	7,070.03	7,092.69	6,993.65	51.37	30.32	88.11	-704.73	548.01	1,987.25	1,913.40	73.85	26.910					
8,130.43	7,070.19	7,079.12	6,984.89	51.53	30.25	87.86	-705.06	537.65	1,987.09	1,912.90	74.19	26.783					
8,200.00	7,070.55	7,036.00	6,955.92	51.94	30.02	87.02	-705.72	505.71	1,988.00	1,913.23	74.78	26.586					
8,300.00	7,071.07	7,004.67	6,933.74	52.64	29.87	86.38	-705.92	483.59	1,992.04	1,915.77	76.27	26.118					

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,400.00	7,071.60	6,962.89	6,902.60	53.49	29.69	85.48	-705.97	455.76	1,999.62	1,921.92	77.70	25.735		
8,500.00	7,072.12	6,919.58	6,868.50	54.50	29.51	84.50	-705.86	429.07	2,010.88	1,931.69	79.18	25.395		
8,600.00	7,072.64	6,876.00	6,832.22	55.69	29.33	83.46	-706.05	404.94	2,025.69	1,944.97	80.71	25.097		
8,700.00	7,073.17	6,839.10	6,800.11	57.04	29.19	82.54	-706.52	386.78	2,044.29	1,961.93	82.36	24.821		
8,800.00	7,073.69	6,794.63	6,760.53	58.55	29.01	81.41	-707.43	366.52	2,066.64	1,982.76	83.89	24.636		
8,900.00	7,074.21	6,755.12	6,724.87	60.21	28.86	80.40	-708.53	349.55	2,092.66	2,007.20	85.46	24.488		
9,000.00	7,074.74	6,753.00	6,722.95	61.99	28.85	80.34	-708.60	348.67	2,122.64	2,035.09	87.55	24.244		
9,100.00	7,075.26	6,753.00	6,722.95	63.88	28.85	80.34	-708.60	348.67	2,156.85	2,067.26	89.59	24.075		
9,200.00	7,075.78	6,720.23	6,692.75	65.87	28.73	79.49	-709.41	336.00	2,194.18	2,103.13	91.05	24.098		
9,300.00	7,076.30	6,711.15	6,684.24	67.95	28.69	79.25	-709.56	332.83	2,235.62	2,142.86	92.76	24.101		
9,400.00	7,076.83	6,702.89	6,676.45	70.09	28.66	79.03	-709.66	330.08	2,280.57	2,186.20	94.37	24.167		
9,500.00	7,077.35	6,695.35	6,669.30	72.30	28.63	78.83	-709.73	327.67	2,328.84	2,232.97	95.87	24.292		
9,600.00	7,077.87	6,659.00	6,634.39	74.57	28.49	77.86	-709.71	317.59	2,381.04	2,284.14	96.90	24.572		
9,700.00	7,078.40	6,659.00	6,634.39	76.88	28.49	77.86	-709.71	317.59	2,435.08	2,336.79	98.29	24.775		
9,800.00	7,078.92	6,659.00	6,634.39	79.24	28.49	77.86	-709.71	317.59	2,491.97	2,392.40	99.56	25.029		
9,900.00	7,079.44	6,659.00	6,634.39	81.63	28.49	77.86	-709.71	317.59	2,551.50	2,450.78	100.73	25.331		
10,000.00	7,079.97	6,659.00	6,634.39	84.06	28.49	77.86	-709.71	317.59	2,613.51	2,511.72	101.79	25.675		
10,100.00	7,080.49	6,659.00	6,634.39	86.52	28.49	77.86	-709.71	317.59	2,677.82	2,575.06	102.76	26.059		
10,200.00	7,081.01	6,659.00	6,634.39	89.01	28.49	77.86	-709.71	317.59	2,744.26	2,640.63	103.64	26.479		
10,300.00	7,081.54	6,659.00	6,634.39	91.52	28.49	77.86	-709.71	317.59	2,812.70	2,708.26	104.44	26.932		
10,400.00	7,082.06	6,659.00	6,634.39	94.05	28.49	77.86	-709.71	317.59	2,882.97	2,777.81	105.16	27.415		
10,500.00	7,082.58	6,659.00	6,634.39	96.61	28.49	77.86	-709.71	317.59	2,954.96	2,849.15	105.82	27.926		
10,600.00	7,083.10	6,659.00	6,634.39	99.18	28.49	77.86	-709.71	317.59	3,028.54	2,922.13	106.41	28.461		
10,700.00	7,083.63	6,659.00	6,634.39	101.77	28.49	77.86	-709.71	317.59	3,103.60	2,996.66	106.95	29.020		
10,800.00	7,084.15	6,623.62	6,599.88	104.38	28.35	76.91	-709.39	309.78	3,179.17	3,071.99	107.18	29.663		
10,900.00	7,084.67	6,619.36	6,595.70	107.00	28.33	76.80	-709.34	308.95	3,256.65	3,149.06	107.60	30.267		
11,000.00	7,085.20	6,615.34	6,591.76	109.63	28.31	76.69	-709.30	308.19	3,335.31	3,227.33	107.98	30.889		
11,100.00	7,085.72	6,611.54	6,588.02	112.27	28.30	76.59	-709.26	307.49	3,415.06	3,306.74	108.32	31.527		
11,200.00	7,086.24	6,607.93	6,584.48	114.93	28.29	76.49	-709.22	306.84	3,495.84	3,387.20	108.63	32.180		
11,300.00	7,086.77	6,604.52	6,581.11	117.59	28.27	76.40	-709.18	306.24	3,577.57	3,468.65	108.92	32.847		
11,400.00	7,087.29	6,601.27	6,577.92	120.27	28.26	76.31	-709.15	305.69	3,660.19	3,551.02	109.17	33.526		
11,500.00	7,087.81	6,564.00	6,541.04	122.95	28.11	75.31	-708.69	300.30	3,744.48	3,635.29	109.19	34.293		
11,600.00	7,088.33	6,564.00	6,541.04	125.64	28.11	75.31	-708.69	300.30	3,828.58	3,719.15	109.43	34.987		
11,700.00	7,088.86	6,564.00	6,541.04	128.34	28.11	75.31	-708.69	300.30	3,913.43	3,803.79	109.64	35.693		
11,800.00	7,089.38	6,564.00	6,541.04	131.05	28.11	75.31	-708.69	300.30	3,998.98	3,889.15	109.83	36.409		
11,900.00	7,089.90	6,564.00	6,541.04	133.76	28.11	75.31	-708.69	300.30	4,085.19	3,975.18	110.01	37.135		
12,000.00	7,090.43	6,564.00	6,541.04	136.49	28.11	75.31	-708.69	300.30	4,172.01	4,061.84	110.17	37.869		
12,100.00	7,090.95	6,564.00	6,541.04	139.21	28.11	75.31	-708.69	300.30	4,259.41	4,149.10	110.31	38.612		
12,200.00	7,091.47	6,564.00	6,541.04	141.94	28.11	75.31	-708.69	300.30	4,347.36	4,236.91	110.45	39.362		
12,300.00	7,092.00	6,564.00	6,541.04	144.68	28.11	75.31	-708.69	300.30	4,435.81	4,325.25	110.56	40.120		
12,400.00	7,092.52	6,564.00	6,541.04	147.42	28.11	75.31	-708.69	300.30	4,524.75	4,414.07	110.67	40.884		
12,500.00	7,093.04	6,564.00	6,541.04	150.17	28.11	75.31	-708.69	300.30	4,614.13	4,503.36	110.77	41.655		
12,600.00	7,093.57	6,564.00	6,541.04	152.92	28.11	75.31	-708.69	300.30	4,703.95	4,593.09	110.86	42.432		
12,700.00	7,094.09	6,564.00	6,541.04	155.67	28.11	75.31	-708.69	300.30	4,794.17	4,683.23	110.94	43.214		
12,800.00	7,094.61	6,564.00	6,541.04	158.43	28.11	75.31	-708.69	300.30	4,884.77	4,773.75	111.01	44.001		
12,900.00	7,095.13	6,564.00	6,541.04	161.19	28.11	75.31	-708.69	300.30	4,975.73	4,864.65	111.08	44.793		
13,000.00	7,095.66	6,564.00	6,541.04	163.96	28.11	75.31	-708.69	300.30	5,067.03	4,955.89	111.14	45.590		
13,100.00	7,096.18	6,564.00	6,541.04	166.73	28.11	75.31	-708.69	300.30	5,158.65	5,047.46	111.20	46.391		
13,200.00	7,096.70	6,564.00	6,541.04	169.50	28.11	75.31	-708.69	300.30	5,250.58	5,139.33	111.25	47.197		
13,256.62	7,097.00	6,564.00	6,541.04	171.07	28.11	75.31	-708.69	300.30	5,302.76	5,191.48	111.28	47.654		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	132.95	-472.50	507.54	693.52					
100.00	100.00	89.49	89.49	3.28	3.29	132.93	-472.26	507.72	693.40	686.83	6.57	105.532		
200.00	200.00	190.04	190.03	3.34	3.31	132.84	-471.42	508.35	693.29	686.65	6.64	104.357		
300.00	300.00	290.56	290.54	3.44	3.34	132.69	-469.97	509.44	693.11	686.32	6.79	102.133		
400.00	399.98	404.11	404.05	3.60	3.44	-21.09	-467.52	510.50	690.76	683.73	7.04	98.180		
500.00	499.84	528.74	528.56	3.79	3.64	-21.52	-462.63	508.14	681.85	674.40	7.45	91.537		
600.00	599.45	646.78	646.20	4.02	3.89	-22.30	-453.90	504.25	666.38	658.42	7.96	83.736		
700.00	698.70	750.42	749.30	4.29	4.16	-23.32	-444.14	500.14	646.03	637.54	8.49	76.081		
800.00	797.47	855.64	853.87	4.59	4.46	-24.63	-433.41	495.58	621.98	612.89	9.09	68.392		
900.00	895.62	965.55	962.66	4.93	4.81	-26.60	-418.72	490.41	592.89	583.11	9.77	60.682		
1,000.00	993.06	1,069.60	1,065.17	5.31	5.17	-29.18	-401.72	485.04	559.25	548.78	10.46	53.448		
1,100.00	1,089.64	1,161.79	1,155.63	5.72	5.51	-32.26	-384.59	480.25	522.33	511.18	11.15	46.853		
1,200.00	1,185.27	1,249.03	1,241.24	6.16	5.84	-35.86	-368.45	475.74	483.96	472.10	11.86	40.819		
1,300.00	1,279.82	1,338.26	1,328.88	6.64	6.19	-40.34	-352.39	470.84	444.69	432.07	12.62	35.243		
1,400.00	1,373.17	1,425.95	1,414.72	7.16	6.55	-46.04	-335.19	465.92	404.74	391.30	13.43	30.133		
1,500.00	1,465.21	1,510.64	1,497.25	7.71	6.91	-53.17	-316.74	461.26	365.91	351.60	14.32	25.554		
1,600.00	1,555.84	1,590.72	1,574.85	8.31	7.26	-61.65	-297.57	456.48	330.65	315.34	15.31	21.602		
1,613.50	1,567.96	1,600.82	1,584.62	8.39	7.30	-62.84	-295.09	455.87	326.40	310.95	15.45	21.128		
1,700.00	1,645.53	1,665.43	1,647.15	8.93	7.59	-70.38	-279.24	452.13	303.88	287.49	16.38	18.547		
1,800.00	1,735.20	1,738.54	1,718.03	9.58	7.92	-79.47	-261.71	448.51	290.05	272.58	17.47	16.600		
1,845.29	1,775.81	1,772.31	1,750.85	9.88	8.07	-83.72	-253.87	447.15	288.55	270.61	17.94	16.082 CC, ES		
1,900.00	1,824.87	1,813.60	1,791.04	10.25	8.26	-88.88	-244.49	445.76	290.70	272.23	18.47	15.737 SF		
2,000.00	1,914.54	1,892.31	1,867.80	10.92	8.61	-98.27	-227.23	443.72	304.92	285.58	19.34	15.766		
2,100.00	2,004.21	1,973.64	1,947.26	11.61	8.98	-107.13	-210.04	441.45	329.86	309.76	20.10	16.412		
2,200.00	2,093.89	2,055.02	2,026.93	12.30	9.34	-114.90	-193.60	439.00	362.94	342.16	20.78	17.467		
2,300.00	2,183.56	2,132.19	2,102.40	13.01	9.69	-121.36	-177.75	436.19	402.66	381.29	21.37	18.841		
2,400.00	2,273.23	2,207.14	2,175.57	13.71	10.04	-126.77	-161.78	433.37	447.90	425.97	21.93	20.424		
2,500.00	2,362.90	2,277.85	2,244.48	14.43	10.37	-131.12	-146.09	431.14	497.60	475.16	22.44	22.172		
2,600.00	2,452.57	2,355.89	2,320.31	15.14	10.73	-135.17	-127.76	429.15	551.04	527.96	23.08	23.874		
2,700.00	2,542.25	2,445.68	2,407.98	15.87	11.15	-139.03	-108.51	426.86	604.73	580.83	23.91	25.296		
2,800.00	2,631.92	2,519.51	2,480.07	16.59	11.50	-141.78	-92.77	424.37	659.74	635.22	24.52	26.901		
2,900.00	2,721.59	2,588.52	2,547.29	17.32	11.83	-144.05	-77.34	421.76	716.72	691.63	25.09	28.564		
3,000.00	2,811.26	2,673.59	2,630.06	18.05	12.23	-146.49	-57.99	418.39	774.95	749.05	25.90	29.921		
3,100.00	2,900.93	2,747.36	2,701.97	18.78	12.59	-148.32	-41.81	415.49	833.26	806.69	26.56	31.369		
3,200.00	2,990.60	2,821.73	2,774.32	19.51	12.94	-149.86	-24.67	413.70	892.96	865.71	27.25	32.767		
3,300.00	3,080.28	2,901.65	2,852.19	20.25	13.32	-151.33	-6.78	411.70	952.57	924.54	28.03	33.986		
3,400.00	3,169.95	2,954.86	2,903.83	20.99	13.58	-152.26	5.87	409.79	1,013.73	985.29	28.44	35.646		
3,500.00	3,259.62	3,041.40	2,987.52	21.73	14.01	-153.66	27.50	405.69	1,076.31	1,046.99	29.32	36.705		
3,600.00	3,349.29	3,162.10	3,105.11	22.47	14.59	-155.39	54.08	399.88	1,136.81	1,106.16	30.65	37.086		
3,700.00	3,438.96	3,219.84	3,161.50	23.21	14.87	-156.11	66.22	397.38	1,196.71	1,165.55	31.16	38.407		
3,800.00	3,528.64	3,326.51	3,265.53	23.95	15.38	-157.30	89.32	392.88	1,257.56	1,225.26	32.30	38.937		
3,900.00	3,618.31	3,437.83	3,374.89	24.69	15.91	-158.44	109.56	387.98	1,315.52	1,282.05	33.47	39.306		
4,000.00	3,707.98	3,513.53	3,449.37	25.44	16.26	-159.12	122.78	385.10	1,373.05	1,338.84	34.21	40.133		
4,100.00	3,797.65	3,573.15	3,507.95	26.18	16.54	-159.60	133.70	383.26	1,431.36	1,396.59	34.77	41.166		
4,200.00	3,887.32	3,628.01	3,561.67	26.93	16.80	-160.01	144.72	381.48	1,491.15	1,455.89	35.27	42.280		
4,300.00	3,976.99	3,704.21	3,636.13	27.68	17.17	-160.55	160.64	378.80	1,551.74	1,515.70	36.04	43.060		
4,400.00	4,066.67	3,766.45	3,696.89	28.42	17.47	-160.95	173.96	376.68	1,612.82	1,576.19	36.63	44.027		
4,500.00	4,156.34	3,822.74	3,751.68	29.17	17.74	-161.27	186.78	375.30	1,674.89	1,637.73	37.16	45.076		
4,600.00	4,246.01	3,871.14	3,798.62	29.92	17.98	-161.52	198.56	374.19	1,738.21	1,700.63	37.58	46.254		
4,700.00	4,335.68	3,919.69	3,845.49	30.67	18.23	-161.76	211.14	372.95	1,802.81	1,764.81	38.00	47.438		
4,800.00	4,425.35	3,969.68	3,893.58	31.42	18.48	-162.00	224.71	371.32	1,868.53	1,830.09	38.45	48.599		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,515.03	4,024.67	3,946.27	32.17	18.76	-162.26	240.25	369.12	1,935.24	1,896.28	38.96	49.668		
5,000.00	4,604.70	4,086.74	4,005.64	32.92	19.08	-162.53	258.25	366.80	2,002.50	1,962.92	39.58	50.592		
5,100.00	4,694.37	5,100.00	4,238.09	33.67	24.06	-163.45	320.87	359.75	2,068.36	2,022.20	46.16	44.809		
5,200.00	4,784.04	4,437.05	4,345.13	34.42	20.83	-163.90	342.78	355.59	2,128.68	2,084.98	43.71	48.705		
5,300.00	4,873.71	4,503.52	4,410.20	35.17	21.15	-164.16	356.11	352.81	2,189.25	2,144.87	44.38	49.334		
5,400.00	4,963.38	4,574.60	4,479.71	35.92	21.49	-164.42	370.63	349.85	2,250.16	2,205.06	45.10	49.889		
5,500.00	5,053.06	4,644.34	4,547.86	36.67	21.83	-164.66	385.22	347.29	2,311.41	2,265.59	45.82	50.448		
5,600.00	5,142.73	4,744.45	4,645.73	37.43	22.32	-164.96	406.05	344.00	2,372.52	2,325.63	46.89	50.597		
5,700.00	5,232.40	4,824.50	4,724.08	38.18	22.70	-165.22	422.14	340.81	2,433.24	2,385.51	47.73	50.984		
5,800.00	5,322.07	4,941.74	4,839.01	38.93	23.26	-165.64	444.12	333.82	2,493.32	2,444.34	48.98	50.908		
5,900.00	5,411.74	5,000.42	4,896.58	39.68	23.54	-165.85	454.79	329.81	2,553.20	2,503.63	49.56	51.512		
6,000.00	5,501.42	5,049.00	4,944.15	40.44	23.78	-166.02	464.11	326.66	2,613.85	2,563.81	50.04	52.238		
6,100.00	5,591.09	5,089.86	4,984.05	41.19	23.98	-166.15	472.57	324.16	2,675.61	2,625.19	50.42	53.068		
6,200.00	5,680.76	5,133.25	5,026.28	41.94	24.19	-166.27	482.22	321.67	2,738.46	2,687.64	50.82	53.881		
6,300.00	5,770.43	5,471.30	5,357.59	42.70	25.81	-166.93	547.64	313.71	2,799.39	2,744.85	54.54	51.328		
6,400.00	5,860.10	5,553.54	5,438.93	43.45	26.18	-167.04	559.74	313.93	2,855.07	2,799.68	55.39	51.545		
6,500.00	5,949.77	6,500.00	5,611.40	44.20	30.34	-167.29	584.29	314.22	2,910.95	2,850.42	60.54	48.086		
6,600.00	6,039.45	6,019.29	5,901.97	44.96	28.18	-167.76	606.70	315.35	2,959.93	2,900.16	59.78	49.516		
6,700.00	6,129.12	6,151.25	6,033.84	45.71	28.71	-168.02	611.20	314.60	3,006.44	2,945.45	60.99	49.296		
6,800.00	6,218.79	6,297.47	6,180.03	46.46	29.28	-168.32	613.43	312.89	3,051.51	2,989.24	62.28	48.999		
6,900.00	6,308.46	7,781.96	7,050.48	47.22	38.63	-153.66	627.06	1,193.24	3,079.17	3,004.20	74.97	41.070		
6,969.86	6,371.11	7,794.08	7,050.60	47.75	38.83	-153.44	626.97	1,205.36	3,091.35	3,015.52	75.82	40.770		
7,000.00	6,398.25	7,798.69	7,050.64	47.97	38.90	-159.10	626.94	1,209.97	3,097.08	3,020.91	76.17	40.662		
7,050.00	6,443.70	7,803.74	7,050.68	48.31	38.99	-169.43	626.90	1,215.01	3,107.28	3,030.62	76.66	40.532		
7,100.00	6,489.42	7,805.54	7,050.70	48.61	39.02	179.47	626.89	1,216.82	3,118.31	3,041.24	77.07	40.463		
7,150.00	6,535.12	7,804.14	7,050.69	48.87	39.00	168.27	626.90	1,215.42	3,130.09	3,052.71	77.38	40.451		
7,200.00	6,580.53	7,799.57	7,050.65	49.09	38.92	157.61	626.93	1,210.85	3,142.54	3,064.93	77.61	40.493		
7,250.00	6,625.36	7,791.90	7,050.58	49.27	38.79	147.95	626.99	1,203.18	3,155.55	3,077.80	77.75	40.583		
7,300.00	6,669.35	7,781.21	7,050.47	49.42	38.61	139.42	627.07	1,192.49	3,169.02	3,091.19	77.83	40.718		
7,350.00	6,712.21	7,768.87	7,050.35	49.55	38.42	132.04	627.18	1,180.15	3,182.81	3,104.94	77.87	40.872		
7,400.00	6,753.69	7,754.20	7,050.27	49.65	38.20	125.65	627.33	1,165.48	3,196.81	3,118.93	77.87	41.051		
7,450.00	6,793.52	7,736.82	7,050.25	49.73	37.93	120.10	627.53	1,148.11	3,210.87	3,133.04	77.83	41.256		
7,500.00	6,831.47	7,716.81	7,050.33	49.81	37.63	115.26	627.81	1,128.10	3,224.84	3,147.10	77.74	41.483		
7,550.00	6,867.30	7,694.27	7,050.55	49.88	37.29	111.01	628.17	1,105.56	3,238.59	3,160.97	77.62	41.724		
7,600.00	6,900.78	7,595.68	7,051.06	49.95	35.95	106.36	628.81	1,006.98	3,251.48	3,175.22	76.26	42.637		
7,650.00	6,931.72	7,445.31	7,044.72	50.03	34.25	101.69	625.97	856.91	3,262.62	3,188.31	74.31	43.907		
7,700.00	6,959.92	7,418.61	7,041.02	50.11	34.00	99.00	625.17	830.48	3,272.52	3,198.21	74.31	44.039		
7,750.00	6,985.20	7,391.62	7,036.37	50.20	33.75	96.67	624.47	803.90	3,281.57	3,207.22	74.34	44.140		
7,800.00	7,007.41	7,183.00	6,964.25	50.30	32.48	92.38	613.95	609.67	3,287.84	3,215.60	72.24	45.515		
7,850.00	7,026.42	7,183.00	6,964.25	50.42	32.48	91.13	613.95	609.67	3,293.16	3,220.43	72.72	45.283		
7,900.00	7,042.11	7,183.00	6,964.25	50.57	32.48	90.13	613.95	609.67	3,297.62	3,224.35	73.27	45.005		
7,950.00	7,054.37	7,183.00	6,964.25	50.73	32.48	89.37	613.95	609.67	3,301.20	3,227.32	73.88	44.682		
8,000.00	7,063.14	7,183.00	6,964.25	50.92	32.48	88.82	613.95	609.67	3,303.88	3,229.33	74.55	44.317		
8,050.00	7,068.36	7,142.26	6,941.78	51.13	32.33	88.05	611.48	575.80	3,304.09	3,229.26	74.83	44.154		
8,094.17	7,070.00	7,136.69	6,938.48	51.34	32.31	87.91	611.34	571.30	3,304.41	3,228.96	75.45	43.798		
8,100.00	7,070.03	7,135.94	6,938.04	51.37	32.30	87.90	611.33	570.70	3,304.40	3,228.87	75.53	43.750		
8,101.10	7,070.03	7,135.80	6,937.95	51.37	32.30	87.90	611.32	570.59	3,304.40	3,228.86	75.55	43.740		
8,200.00	7,070.55	7,091.00	6,909.68	51.94	32.15	87.41	611.98	535.88	3,306.74	3,230.05	76.69	43.118		
8,300.00	7,071.07	7,091.00	6,909.68	52.64	32.15	87.41	611.98	535.88	3,310.20	3,231.71	78.49	42.175		
8,400.00	7,071.60	7,091.00	6,909.68	53.49	32.15	87.41	611.98	535.88	3,316.67	3,236.27	80.40	41.253		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,500.00	7,072.12	7,091.00	6,909.68	54.50	32.15	87.41	611.98	535.88	3,326.13	3,243.73	82.40	40.366		
8,600.00	7,072.64	7,051.79	6,882.80	55.69	32.01	86.94	614.05	507.42	3,338.03	3,253.95	84.08	39.698		
8,700.00	7,073.17	7,022.83	6,861.94	57.04	31.92	86.58	615.78	487.41	3,352.26	3,266.33	85.93	39.012		
8,800.00	7,073.69	6,997.00	6,842.64	58.55	31.83	86.25	617.46	470.33	3,368.84	3,280.99	87.85	38.350		
8,900.00	7,074.21	6,997.00	6,842.64	60.21	31.83	86.25	617.46	470.33	3,388.05	3,298.02	90.03	37.633		
9,000.00	7,074.74	6,951.58	6,806.84	61.99	31.68	85.63	620.64	442.59	3,409.22	3,317.39	91.83	37.126		
9,100.00	7,075.26	6,905.00	6,767.61	63.88	31.53	84.96	624.07	417.72	3,433.42	3,339.80	93.62	36.673		
9,200.00	7,075.78	6,905.00	6,767.61	65.87	31.53	84.96	624.07	417.72	3,459.45	3,363.65	95.80	36.112		
9,300.00	7,076.30	6,647.63	6,528.77	67.95	30.62	80.88	621.51	324.80	3,487.41	3,391.73	95.68	36.447		
9,400.00	7,076.83	6,625.00	6,506.76	70.09	30.54	80.50	619.42	319.98	3,516.12	3,418.49	97.64	36.013		
9,500.00	7,077.35	6,625.00	6,506.76	72.30	30.54	80.50	619.42	319.98	3,547.28	3,447.52	99.77	35.556		
9,600.00	7,077.87	6,625.00	6,506.76	74.57	30.54	80.50	619.42	319.98	3,580.97	3,479.12	101.84	35.162		
9,700.00	7,078.40	6,625.00	6,506.76	76.88	30.54	80.50	619.42	319.98	3,617.10	3,513.24	103.86	34.826		
9,800.00	7,078.92	6,625.00	6,506.76	79.24	30.54	80.50	619.42	319.98	3,655.62	3,549.80	105.82	34.546		
9,900.00	7,079.44	6,625.00	6,506.76	81.63	30.54	80.50	619.42	319.98	3,696.43	3,588.72	107.71	34.318		
10,000.00	7,079.97	6,625.00	6,506.76	84.06	30.54	80.50	619.42	319.98	3,739.48	3,629.95	109.54	34.139		
10,100.00	7,080.49	6,625.00	6,506.76	86.52	30.54	80.50	619.42	319.98	3,784.68	3,673.39	111.29	34.007		
10,200.00	7,081.01	6,625.00	6,506.76	89.01	30.54	80.50	619.42	319.98	3,831.96	3,718.98	112.98	33.918		
10,300.00	7,081.54	6,625.00	6,506.76	91.52	30.54	80.50	619.42	319.98	3,881.24	3,766.65	114.60	33.869		
10,400.00	7,082.06	6,625.00	6,506.76	94.05	30.54	80.50	619.42	319.98	3,932.45	3,816.30	116.14	33.858		
10,500.00	7,082.58	6,625.00	6,506.76	96.61	30.54	80.50	619.42	319.98	3,985.51	3,867.88	117.62	33.883		
10,600.00	7,083.10	6,625.00	6,506.76	99.18	30.54	80.50	619.42	319.98	4,040.34	3,921.30	119.04	33.942		
10,700.00	7,083.63	6,625.00	6,506.76	101.77	30.54	80.50	619.42	319.98	4,096.88	3,976.50	120.39	34.031		
10,800.00	7,084.15	6,625.00	6,506.76	104.38	30.54	80.50	619.42	319.98	4,155.07	4,033.39	121.67	34.150		
10,900.00	7,084.67	6,625.00	6,506.76	107.00	30.54	80.50	619.42	319.98	4,214.82	4,091.92	122.89	34.296		
11,000.00	7,085.20	6,625.00	6,506.76	109.63	30.54	80.50	619.42	319.98	4,276.07	4,152.01	124.06	34.469		
11,100.00	7,085.72	6,625.00	6,506.76	112.27	30.54	80.50	619.42	319.98	4,338.77	4,213.60	125.16	34.665		
11,200.00	7,086.24	6,625.00	6,506.76	114.93	30.54	80.50	619.42	319.98	4,402.84	4,276.62	126.21	34.884		
11,300.00	7,086.77	6,625.00	6,506.76	117.59	30.54	80.50	619.42	319.98	4,468.23	4,341.02	127.21	35.124		
11,400.00	7,087.29	6,625.00	6,506.76	120.27	30.54	80.50	619.42	319.98	4,534.89	4,406.73	128.16	35.385		
11,500.00	7,087.81	6,625.00	6,506.76	122.95	30.54	80.50	619.42	319.98	4,602.75	4,473.69	129.06	35.664		
11,600.00	7,088.33	6,625.00	6,506.76	125.64	30.54	80.50	619.42	319.98	4,671.77	4,541.85	129.91	35.961		
11,700.00	7,088.86	6,625.00	6,506.76	128.34	30.54	80.50	619.42	319.98	4,741.89	4,611.17	130.72	36.275		
11,800.00	7,089.38	6,625.00	6,506.76	131.05	30.54	80.50	619.42	319.98	4,813.07	4,681.58	131.49	36.604		
11,900.00	7,089.90	6,625.00	6,506.76	133.76	30.54	80.50	619.42	319.98	4,885.26	4,753.04	132.22	36.949		
12,000.00	7,090.43	6,625.00	6,506.76	136.49	30.54	80.50	619.42	319.98	4,958.41	4,825.50	132.91	37.307		
12,100.00	7,090.95	6,625.00	6,506.76	139.21	30.54	80.50	619.42	319.98	5,032.49	4,898.93	133.56	37.679		
12,200.00	7,091.47	6,582.38	6,464.78	141.94	30.37	79.79	616.13	313.48	5,105.31	4,971.40	133.92	38.123		
12,300.00	7,092.00	6,581.53	6,463.95	144.68	30.37	79.77	616.08	313.39	5,181.03	5,046.52	134.50	38.519		
12,400.00	7,092.52	6,580.72	6,463.14	147.42	30.36	79.76	616.03	313.30	5,257.56	5,122.49	135.06	38.927		
12,500.00	7,093.04	6,579.93	6,462.36	150.17	30.36	79.75	615.99	313.22	5,334.86	5,199.27	135.59	39.346		
12,600.00	7,093.57	6,579.17	6,461.60	152.92	30.36	79.73	615.95	313.14	5,412.90	5,276.81	136.09	39.774		
12,700.00	7,094.09	6,578.43	6,460.86	155.67	30.35	79.72	615.90	313.07	5,491.66	5,355.09	136.57	40.213		
12,800.00	7,094.61	6,577.71	6,460.15	158.43	30.35	79.71	615.87	313.00	5,571.09	5,434.07	137.02	40.660		
12,900.00	7,095.13	6,577.02	6,459.47	161.19	30.35	79.70	615.83	312.93	5,651.18	5,513.73	137.44	41.116		
13,000.00	7,095.66	6,576.35	6,458.80	163.96	30.35	79.69	615.79	312.86	5,731.89	5,594.04	137.85	41.580		
13,100.00	7,096.18	6,575.70	6,458.15	166.73	30.34	79.68	615.76	312.80	5,813.20	5,674.96	138.24	42.052		
13,200.00	7,096.70	6,575.07	6,457.52	169.50	30.34	79.67	615.72	312.74	5,895.08	5,756.48	138.61	42.531		
13,256.62	7,097.00	6,574.72	6,457.17	171.07	30.34	79.66	615.70	312.71	5,941.69	5,802.88	138.81	42.806		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	130.42	-432.43	507.82	667.08					
100.00	100.00	81.82	81.82	3.28	3.29	130.41	-432.65	508.20	667.47	660.90	6.57	101.591		
200.00	200.00	177.99	177.98	3.34	3.31	130.39	-433.43	509.53	669.03	662.38	6.65	100.567		
300.00	300.00	283.98	283.95	3.44	3.41	130.35	-433.97	510.87	670.33	663.47	6.86	97.769		
400.00	399.98	395.64	395.60	3.60	3.57	-23.33	-432.98	511.65	668.69	661.52	7.17	93.248		
500.00	499.84	524.90	524.73	3.79	3.83	-23.97	-427.48	511.20	660.97	653.33	7.64	86.508		
600.00	599.45	658.10	657.22	4.02	4.16	-25.27	-414.26	508.11	644.99	636.74	8.25	78.173		
700.00	698.70	789.16	786.23	4.29	4.55	-27.56	-391.86	503.66	620.99	612.04	8.95	69.378		
800.00	797.47	901.20	894.69	4.59	4.93	-30.76	-364.07	500.18	590.38	580.76	9.62	61.366		
900.00	895.62	997.94	987.29	4.93	5.28	-34.53	-336.23	497.55	556.40	546.14	10.27	54.183		
1,000.00	993.06	1,096.68	1,081.02	5.31	5.68	-39.36	-305.41	493.79	519.73	508.74	10.98	47.323		
1,100.00	1,089.64	1,181.92	1,161.76	5.72	6.04	-44.45	-278.38	489.65	482.36	470.67	11.69	41.267		
1,200.00	1,185.27	1,263.41	1,239.51	6.16	6.40	-49.99	-254.44	484.93	446.39	433.95	12.44	35.877		
1,300.00	1,279.82	1,354.03	1,325.98	6.64	6.81	-57.16	-228.14	478.45	412.00	398.70	13.30	30.973		
1,400.00	1,373.17	1,428.14	1,396.08	7.16	7.17	-64.33	-204.76	472.94	381.77	367.57	14.20	26.888		
1,500.00	1,465.21	1,495.29	1,459.15	7.71	7.50	-71.72	-182.09	468.87	360.53	345.37	15.15	23.791		
1,600.00	1,555.84	1,560.92	1,520.61	8.31	7.82	-79.35	-159.20	466.14	352.17	336.05	16.12	21.847		
1,610.01	1,564.83	1,568.06	1,527.31	8.37	7.86	-80.18	-156.76	465.90	352.10	335.88	16.22	21.712 CC		
1,613.50	1,567.96	1,570.55	1,529.66	8.39	7.87	-80.47	-155.91	465.81	352.11	335.86	16.25	21.667 ES		
1,700.00	1,645.53	1,634.60	1,590.24	8.93	8.19	-87.72	-135.24	463.91	357.57	340.50	17.07	20.946 SF		
1,800.00	1,735.20	1,703.36	1,655.59	9.58	8.53	-95.12	-113.91	462.39	375.95	358.08	17.87	21.034		
1,900.00	1,824.87	1,771.48	1,720.18	10.25	8.87	-101.97	-92.30	461.40	406.11	387.55	18.56	21.886		
2,000.00	1,914.54	1,838.99	1,784.04	10.92	9.21	-108.14	-70.42	460.91	445.80	426.65	19.15	23.278		
2,100.00	2,004.21	1,913.87	1,854.81	11.61	9.60	-114.20	-45.94	460.50	492.42	472.62	19.80	24.873		
2,200.00	2,093.89	1,989.23	1,926.14	12.30	9.98	-119.55	-21.65	459.25	543.36	522.92	20.44	26.582		
2,300.00	2,183.56	2,062.52	1,995.46	13.01	10.37	-124.15	2.02	457.09	597.85	576.79	21.06	28.388		
2,400.00	2,273.23	2,136.07	2,065.07	13.71	10.75	-128.18	25.67	454.52	655.07	633.38	21.69	30.197		
2,500.00	2,362.90	2,210.95	2,135.98	14.43	11.15	-131.77	49.52	451.52	714.29	691.93	22.36	31.950		
2,600.00	2,452.57	2,287.62	2,208.65	15.14	11.55	-135.01	73.65	447.71	774.90	751.85	23.05	33.614		
2,700.00	2,542.25	2,362.34	2,279.50	15.87	11.95	-137.85	96.87	442.84	836.56	812.82	23.73	35.248		
2,800.00	2,631.92	2,432.33	2,345.83	16.59	12.32	-140.26	118.57	437.44	899.33	874.96	24.36	36.912		
2,900.00	2,721.59	2,495.95	2,406.01	17.32	12.66	-142.21	138.64	432.66	963.53	938.60	24.93	38.655		
3,000.00	2,811.26	2,577.32	2,483.00	18.05	13.10	-144.43	164.27	426.61	1,028.56	1,002.83	25.73	39.979		
3,100.00	2,900.93	2,664.12	2,565.49	18.78	13.57	-146.48	190.53	420.41	1,093.32	1,066.71	26.60	41.098		
3,200.00	2,990.60	2,733.86	2,632.06	19.51	13.93	-147.83	211.12	417.35	1,157.99	1,130.71	27.28	42.451		
3,300.00	3,080.28	2,798.49	2,693.61	20.25	14.28	-148.87	230.77	416.03	1,223.64	1,195.74	27.90	43.854		
3,400.00	3,169.95	2,872.25	2,763.81	20.99	14.67	-149.96	253.34	414.38	1,289.73	1,261.08	28.65	45.018		
3,500.00	3,259.62	2,940.50	2,828.75	21.73	15.03	-150.91	274.26	412.40	1,356.16	1,326.83	29.33	46.238		
3,600.00	3,349.29	3,004.94	2,889.97	22.47	15.37	-151.72	294.28	410.69	1,423.10	1,393.14	29.97	47.486		
3,700.00	3,438.96	3,067.68	2,949.43	23.21	15.71	-152.38	314.30	410.29	1,490.73	1,460.13	30.60	48.724		
3,800.00	3,528.64	3,149.34	3,026.81	23.95	16.15	-153.13	340.40	410.45	1,558.47	1,527.00	31.47	49.518		
3,900.00	3,618.31	3,216.45	3,090.44	24.69	16.51	-153.71	361.71	410.31	1,626.20	1,594.03	32.17	50.558		
4,000.00	3,707.98	3,284.13	3,154.55	25.44	16.87	-154.28	383.39	409.68	1,694.29	1,661.42	32.87	51.550		
4,100.00	3,797.65	3,358.01	3,224.52	26.18	17.27	-154.88	407.07	408.30	1,762.59	1,728.94	33.65	52.380		
4,200.00	3,887.32	3,455.19	3,316.81	26.93	17.80	-155.63	437.38	405.77	1,830.41	1,795.69	34.72	52.715		
4,300.00	3,976.99	3,562.62	3,419.32	27.68	18.36	-156.29	469.51	405.64	1,897.08	1,861.16	35.92	52.819		
4,400.00	4,066.67	3,663.18	3,515.73	28.42	18.89	-156.85	498.09	405.79	1,962.64	1,925.62	37.01	53.026		
4,500.00	4,156.34	3,740.51	3,590.09	29.17	19.29	-157.26	519.34	405.70	2,027.56	1,989.72	37.83	53.593		
4,600.00	4,246.01	3,797.60	3,644.88	29.92	19.58	-157.55	535.38	405.63	2,093.00	2,054.59	38.42	54.482		
4,700.00	4,335.68	3,853.32	3,698.21	30.67	19.87	-157.81	551.51	405.69	2,159.15	2,120.16	38.99	55.381		
4,800.00	4,425.35	3,909.22	3,751.55	31.42	20.17	-158.04	568.22	406.04	2,225.97	2,186.41	39.56	56.265		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,515.03	3,967.94	3,807.46	32.17	20.48	-158.27	586.17	406.40	2,293.36	2,253.19	40.17	57.085		
5,000.00	4,604.70	4,024.47	3,861.17	32.92	20.79	-158.49	603.79	406.62	2,361.27	2,320.51	40.76	57.929		
5,100.00	4,694.37	4,083.00	3,916.65	33.67	21.10	-158.70	622.47	406.84	2,429.74	2,388.36	41.38	58.724		
5,200.00	4,784.04	4,127.02	3,958.25	34.42	21.34	-158.85	636.87	406.99	2,498.84	2,457.03	41.81	59.764		
5,300.00	4,873.71	4,176.00	4,004.37	35.17	21.61	-159.01	653.35	407.14	2,568.67	2,526.37	42.31	60.711		
5,400.00	4,963.38	4,224.09	4,049.51	35.92	21.88	-159.16	669.93	407.24	2,639.15	2,596.35	42.80	61.662		
5,500.00	5,053.06	4,458.86	4,271.63	36.67	23.17	-159.91	745.73	405.84	2,709.08	2,663.50	45.58	59.430		
5,600.00	5,142.73	4,555.50	4,364.29	37.43	23.68	-160.21	773.16	404.85	2,775.22	2,728.58	46.64	59.500		
5,700.00	5,232.40	5,700.00	4,454.15	38.18	29.63	-160.50	798.59	403.61	2,840.46	2,787.62	52.84	53.758		
5,800.00	5,322.07	4,689.90	4,493.58	38.93	24.38	-160.64	809.78	402.61	2,906.12	2,858.04	48.08	60.449		
5,900.00	5,411.74	4,737.00	4,538.64	39.68	24.63	-160.80	823.39	400.89	2,972.97	2,924.41	48.56	61.221		
6,000.00	5,501.42	4,763.81	4,564.19	40.44	24.77	-160.89	831.43	399.72	3,040.65	2,991.84	48.81	62.296		
6,100.00	5,591.09	4,809.69	4,607.82	41.19	25.02	-161.04	845.47	397.67	3,109.09	3,059.81	49.28	63.090		
6,200.00	5,680.76	4,922.13	4,714.72	41.94	25.64	-161.41	879.91	392.36	3,177.74	3,127.20	50.54	62.871		
6,300.00	5,770.43	4,956.14	4,747.10	42.70	25.82	-161.52	890.18	390.59	3,246.06	3,195.18	50.88	63.801		
6,400.00	5,860.10	4,989.48	4,778.71	43.45	26.01	-161.63	900.61	388.74	3,315.26	3,264.06	51.20	64.751		
6,500.00	5,949.77	5,173.61	4,953.65	44.20	27.01	-162.24	956.68	376.59	3,384.61	3,331.31	53.30	63.498		
6,600.00	6,039.45	5,253.48	5,030.14	44.96	27.44	-162.50	979.01	371.15	3,451.61	3,397.44	54.17	63.720		
6,700.00	6,129.12	5,718.49	5,482.22	45.71	29.73	-163.84	1,082.61	344.89	3,512.05	3,453.09	58.96	59.564		
6,800.00	6,218.79	5,951.76	5,712.46	46.46	30.78	-164.30	1,119.72	341.80	3,568.46	3,507.32	61.14	58.362		
6,900.00	6,308.46	6,056.62	5,816.33	47.22	31.23	-164.50	1,134.11	340.78	3,623.35	3,561.17	62.17	58.277		
6,969.86	6,371.11	6,099.12	5,858.43	47.75	31.42	-164.57	1,139.93	340.28	3,661.70	3,599.06	62.64	58.458		
7,000.00	6,398.25	7,925.28	7,071.62	47.97	41.20	-157.67	1,208.31	1,286.54	3,672.02	3,593.80	78.22	46.942		
7,050.00	6,443.70	7,934.74	7,071.33	48.31	41.36	-168.07	1,208.12	1,296.00	3,683.42	3,604.62	78.80	46.741		
7,100.00	6,489.42	7,936.41	7,071.28	48.61	41.38	-179.28	1,208.09	1,297.67	3,695.61	3,616.40	79.21	46.655		
7,150.00	6,535.12	7,929.15	7,071.50	48.87	41.27	169.32	1,208.24	1,290.42	3,708.50	3,629.08	79.42	46.695		
7,200.00	6,580.53	7,917.78	7,071.86	49.09	41.09	158.46	1,208.45	1,279.05	3,721.99	3,642.45	79.54	46.794		
7,250.00	6,625.36	7,901.56	7,072.46	49.27	40.85	148.59	1,208.73	1,262.84	3,735.97	3,656.41	79.56	46.958		
7,300.00	6,669.35	7,878.86	7,073.44	49.42	40.51	139.83	1,209.07	1,240.17	3,750.28	3,670.83	79.45	47.203		
7,350.00	6,712.21	7,849.39	7,074.98	49.55	40.07	132.16	1,209.41	1,210.74	3,764.76	3,685.55	79.21	47.527		
7,400.00	6,753.69	7,825.00	7,076.48	49.65	39.71	125.63	1,209.61	1,186.40	3,779.24	3,700.18	79.07	47.799		
7,450.00	6,793.52	7,805.08	7,077.63	49.73	39.45	120.07	1,209.79	1,166.51	3,793.64	3,714.61	79.03	48.001		
7,500.00	6,831.47	7,788.45	7,078.35	49.81	39.23	115.29	1,210.02	1,149.90	3,807.89	3,728.82	79.06	48.163		
7,550.00	6,867.30	7,754.00	7,045.75	49.88	36.59	108.22	1,210.00	908.31	3,821.33	3,745.70	75.63	50.524		
7,600.00	6,900.78	7,543.00	7,045.75	49.95	36.59	104.95	1,210.00	908.31	3,833.28	3,757.32	75.96	50.464		
7,650.00	6,931.72	7,507.73	7,033.24	50.03	36.35	101.66	1,209.08	875.36	3,844.16	3,768.30	75.86	50.672		
7,700.00	6,959.92	7,500.57	7,030.44	50.11	36.30	99.14	1,209.01	868.77	3,854.79	3,778.63	76.16	50.616		
7,750.00	6,985.20	7,492.85	7,027.32	50.20	36.26	96.95	1,208.97	861.71	3,864.71	3,788.22	76.48	50.530		
7,800.00	7,007.41	7,484.63	7,023.89	50.30	36.21	95.06	1,208.97	854.23	3,873.85	3,797.01	76.85	50.410		
7,850.00	7,026.42	7,450.00	7,008.23	50.42	36.02	93.17	1,209.53	823.36	3,882.49	3,805.58	76.91	50.483		
7,900.00	7,042.11	7,450.00	7,008.23	50.57	36.02	91.93	1,209.53	823.36	3,889.70	3,812.22	77.47	50.206		
7,950.00	7,054.37	7,450.00	7,008.23	50.73	36.02	90.93	1,209.53	823.36	3,896.03	3,817.93	78.09	49.889		
8,000.00	7,063.14	7,450.00	7,008.23	50.92	36.02	90.15	1,209.53	823.36	3,901.44	3,822.68	78.76	49.535		
8,050.00	7,068.36	7,426.25	6,996.56	51.13	35.91	89.40	1,210.27	802.69	3,905.75	3,826.57	79.19	49.323		
8,094.17	7,070.00	7,408.80	6,987.67	51.34	35.84	88.97	1,210.91	787.69	3,908.58	3,828.94	79.64	49.080		
8,100.00	7,070.03	7,406.48	6,986.47	51.37	35.83	88.95	1,211.00	785.71	3,908.89	3,829.19	79.70	49.047		
8,200.00	7,070.55	7,039.31	6,754.16	51.94	34.85	85.53	1,211.29	502.91	3,913.99	3,836.49	77.50	50.504		
8,300.00	7,071.07	6,997.04	6,722.35	52.64	34.75	85.06	1,209.20	475.16	3,915.68	3,836.82	78.86	49.654		
8,400.00	7,071.60	6,959.90	6,693.16	53.49	34.65	84.63	1,207.44	452.27	3,919.28	3,838.88	80.40	48.748		
8,500.00	7,072.12	6,928.35	6,667.25	54.50	34.56	84.25	1,205.96	434.32	3,924.91	3,842.81	82.10	47.806		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,600.00	7,072.64	8,600.00	6,576.90	55.69	40.37	82.92	1,199.28	388.80	3,932.31	3,841.76	90.55	43.427		
8,700.00	7,073.17	8,700.00	6,543.49	57.04	34.12	82.43	1,196.35	374.17	3,941.45	3,856.35	85.09	46.320		
8,800.00	7,073.69	8,790.00	6,543.49	58.55	34.12	82.43	1,196.35	374.17	3,952.92	3,865.63	87.29	45.283		
8,900.00	7,074.21	8,790.00	6,543.49	60.21	34.12	82.43	1,196.35	374.17	3,966.88	3,877.35	89.53	44.307		
9,000.00	7,074.74	8,751.46	6,506.75	61.99	33.98	81.89	1,192.34	363.28	3,982.44	3,890.97	91.46	43.541		
9,100.00	7,075.26	8,746.43	6,501.89	63.88	33.97	81.82	1,191.88	362.06	4,001.01	3,907.32	93.70	42.701		
9,200.00	7,075.78	8,741.76	6,497.37	65.87	33.95	81.75	1,191.46	360.96	4,021.96	3,926.03	95.93	41.925		
9,300.00	7,076.30	8,737.41	6,493.15	67.95	33.93	81.69	1,191.08	359.97	4,045.25	3,947.09	98.16	41.210		
9,400.00	7,076.83	8,733.35	6,489.20	70.09	33.92	81.63	1,190.74	359.07	4,070.84	3,970.47	100.37	40.557		
9,500.00	7,077.35	8,695.00	6,451.61	72.30	33.78	81.08	1,187.94	352.11	4,099.50	3,997.22	102.28	40.082		
9,600.00	7,077.87	8,695.00	6,451.61	74.57	33.78	81.08	1,187.94	352.11	4,129.43	4,024.96	104.47	39.529		
9,700.00	7,078.40	8,695.00	6,451.61	76.88	33.78	81.08	1,187.94	352.11	4,161.54	4,054.93	106.61	39.034		
9,800.00	7,078.92	8,695.00	6,451.61	79.24	33.78	81.08	1,187.94	352.11	4,195.79	4,087.07	108.72	38.593		
9,900.00	7,079.44	8,695.00	6,451.61	81.63	33.78	81.08	1,187.94	352.11	4,232.13	4,121.36	110.78	38.205		
10,000.00	7,079.97	8,695.00	6,451.61	84.06	33.78	81.08	1,187.94	352.11	4,270.50	4,157.72	112.78	37.866		
10,100.00	7,080.49	8,695.00	6,451.61	86.52	33.78	81.08	1,187.94	352.11	4,310.85	4,196.12	114.73	37.573		
10,200.00	7,081.01	8,695.00	6,451.61	89.01	33.78	81.08	1,187.94	352.11	4,353.13	4,236.50	116.63	37.325		
10,300.00	7,081.54	8,695.00	6,451.61	91.52	33.78	81.08	1,187.94	352.11	4,397.27	4,278.80	118.47	37.118		
10,400.00	7,082.06	8,695.00	6,451.61	94.05	33.78	81.08	1,187.94	352.11	4,443.22	4,322.97	120.25	36.950		
10,500.00	7,082.58	8,695.00	6,451.61	96.61	33.78	81.08	1,187.94	352.11	4,490.93	4,368.96	121.97	36.819		
10,600.00	7,083.10	8,695.00	6,451.61	99.18	33.78	81.08	1,187.94	352.11	4,540.34	4,416.71	123.64	36.723		
10,700.00	7,083.63	8,695.00	6,451.61	101.77	33.78	81.08	1,187.94	352.11	4,591.40	4,466.16	125.24	36.660		
10,800.00	7,084.15	8,695.00	6,451.61	104.38	33.78	81.08	1,187.94	352.11	4,644.05	4,517.26	126.79	36.628		
10,900.00	7,084.67	8,695.00	6,451.61	107.00	33.78	81.08	1,187.94	352.11	4,698.24	4,569.96	128.28	36.625		
11,000.00	7,085.20	8,695.00	6,451.61	109.63	33.78	81.08	1,187.94	352.11	4,753.92	4,624.20	129.72	36.649		
11,100.00	7,085.72	8,695.00	6,451.61	112.27	33.78	81.08	1,187.94	352.11	4,811.03	4,679.93	131.10	36.699		
11,200.00	7,086.24	8,695.00	6,451.61	114.93	33.78	81.08	1,187.94	352.11	4,869.52	4,737.10	132.42	36.773		
11,300.00	7,086.77	8,695.00	6,451.61	117.59	33.78	81.08	1,187.94	352.11	4,929.35	4,795.66	133.69	36.870		
11,400.00	7,087.29	8,695.00	6,451.61	120.27	33.78	81.08	1,187.94	352.11	4,990.47	4,855.55	134.92	36.989		
11,500.00	7,087.81	8,695.00	6,451.61	122.95	33.78	81.08	1,187.94	352.11	5,052.82	4,916.73	136.09	37.129		
11,600.00	7,088.33	8,695.00	6,451.61	125.64	33.78	81.08	1,187.94	352.11	5,116.37	4,979.16	137.21	37.288		
11,700.00	7,088.86	8,695.00	6,451.61	128.34	33.78	81.08	1,187.94	352.11	5,181.08	5,042.78	138.29	37.465		
11,800.00	7,089.38	8,695.00	6,451.61	131.05	33.78	81.08	1,187.94	352.11	5,246.89	5,107.56	139.33	37.659		
11,900.00	7,089.90	8,695.00	6,451.61	133.76	33.78	81.08	1,187.94	352.11	5,313.76	5,173.45	140.31	37.870		
12,000.00	7,090.43	8,695.00	6,451.61	136.49	33.78	81.08	1,187.94	352.11	5,381.66	5,240.40	141.26	38.097		
12,100.00	7,090.95	8,695.00	6,451.61	139.21	33.78	81.08	1,187.94	352.11	5,450.56	5,308.39	142.17	38.338		
12,200.00	7,091.47	8,695.00	6,451.61	141.94	33.78	81.08	1,187.94	352.11	5,520.40	5,377.36	143.04	38.593		
12,300.00	7,092.00	8,695.00	6,451.61	144.68	33.78	81.08	1,187.94	352.11	5,591.16	5,447.29	143.87	38.861		
12,400.00	7,092.52	8,695.00	6,451.61	147.42	33.78	81.08	1,187.94	352.11	5,662.80	5,518.13	144.67	39.142		
12,500.00	7,093.04	8,695.00	6,451.61	150.17	33.78	81.08	1,187.94	352.11	5,735.29	5,589.86	145.44	39.435		
12,600.00	7,093.57	8,695.00	6,451.61	152.92	33.78	81.08	1,187.94	352.11	5,808.60	5,662.43	146.17	39.740		
12,700.00	7,094.09	8,695.00	6,451.61	155.67	33.78	81.08	1,187.94	352.11	5,882.70	5,735.83	146.87	40.055		
12,800.00	7,094.61	8,695.00	6,451.61	158.43	33.78	81.08	1,187.94	352.11	5,957.55	5,810.01	147.54	40.380		
12,900.00	7,095.13	8,695.00	6,451.61	161.19	33.78	81.08	1,187.94	352.11	6,033.13	5,884.95	148.18	40.715		
13,000.00	7,095.66	8,695.00	6,451.61	163.96	33.78	81.08	1,187.94	352.11	6,109.41	5,960.61	148.79	41.059		
13,100.00	7,096.18	8,695.00	6,451.61	166.73	33.78	81.08	1,187.94	352.11	6,186.37	6,036.98	149.38	41.413		
13,200.00	7,096.70	8,695.00	6,451.61	169.50	33.78	81.08	1,187.94	352.11	6,263.98	6,114.03	149.95	41.774		
13,256.62	7,097.00	8,695.00	6,451.61	171.07	33.78	81.08	1,187.94	352.11	6,308.20	6,157.94	150.26	41.983		

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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 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	131.70	-452.46	507.82	680.24					
100.00	100.00	95.42	95.41	3.28	3.29	131.68	-452.02	507.61	679.73	673.15	6.57	103.430		
200.00	200.00	202.60	202.58	3.34	3.31	131.63	-450.47	506.88	678.25	671.60	6.65	102.012		
300.00	300.00	309.73	309.67	3.44	3.35	131.53	-447.80	505.62	675.72	668.92	6.80	99.393		
400.00	399.98	416.67	416.53	3.60	3.41	-22.20	-444.03	503.83	670.52	663.51	7.01	95.649		
500.00	499.84	531.80	531.46	3.79	3.57	-22.76	-437.69	501.46	660.54	653.16	7.37	89.612		
600.00	599.45	641.52	640.69	4.02	3.79	-23.78	-427.65	499.54	645.28	637.45	7.83	82.382		
700.00	698.70	751.11	749.37	4.29	4.06	-25.40	-413.65	498.47	625.39	617.01	8.38	74.646		
800.00	797.47	863.30	859.96	4.59	4.38	-27.76	-394.82	497.49	600.50	591.49	9.01	66.670		
900.00	895.62	975.56	969.71	4.93	4.74	-31.00	-371.36	495.78	570.57	560.87	9.70	58.822		
1,000.00	993.06	1,077.78	1,068.85	5.31	5.10	-34.87	-346.60	492.83	536.25	525.85	10.40	51.559		
1,100.00	1,089.64	1,165.99	1,154.26	5.72	5.44	-38.98	-324.83	489.27	499.95	488.86	11.09	45.086		
1,200.00	1,185.27	1,260.27	1,245.55	6.16	5.82	-44.23	-301.76	484.65	462.92	451.07	11.85	39.050		
1,300.00	1,279.82	1,351.82	1,333.69	6.64	6.22	-50.63	-277.75	478.69	425.01	412.34	12.67	33.542		
1,400.00	1,373.17	1,428.59	1,407.04	7.16	6.56	-57.42	-255.67	473.58	389.27	375.74	13.53	28.774		
1,500.00	1,465.21	1,503.52	1,478.38	7.71	6.91	-65.22	-233.12	469.54	359.99	345.51	14.48	24.861		
1,600.00	1,555.84	1,576.58	1,547.72	8.31	7.25	-73.72	-210.49	465.44	339.59	324.09	15.50	21.904		
1,613.50	1,567.96	1,585.60	1,556.29	8.39	7.29	-74.81	-207.72	464.98	337.76	322.12	15.64	21.594		
1,697.98	1,643.72	1,643.14	1,611.16	8.92	7.57	-81.57	-190.53	462.54	332.45	315.96	16.48	20.168 CC		
1,700.00	1,645.53	1,644.54	1,612.50	8.93	7.58	-81.74	-190.13	462.49	332.45	315.95	16.50	20.145 ES		
1,800.00	1,735.20	1,718.80	1,683.66	9.58	7.93	-90.26	-169.03	460.33	339.61	322.17	17.44	19.475 SF		
1,900.00	1,824.87	1,801.17	1,762.97	10.25	8.32	-99.16	-146.98	457.57	358.30	339.99	18.32	19.561		
2,000.00	1,914.54	1,880.54	1,839.71	10.92	8.69	-106.98	-127.00	454.10	386.04	366.96	19.08	20.233		
2,100.00	2,004.21	1,954.16	1,910.83	11.61	9.05	-113.55	-108.34	450.62	422.08	402.36	19.72	21.406		
2,200.00	2,093.89	2,022.86	1,976.99	12.30	9.38	-119.03	-90.08	447.34	465.42	445.15	20.26	22.970		
2,300.00	2,183.56	2,094.46	2,045.71	13.01	9.74	-124.09	-70.28	443.91	514.45	493.63	20.83	24.703		
2,400.00	2,273.23	2,167.46	2,115.70	13.71	10.10	-128.54	-49.84	440.54	567.49	546.07	21.41	26.501		
2,500.00	2,362.90	2,236.34	2,181.81	14.43	10.44	-132.11	-30.61	438.08	623.38	601.41	21.97	28.376		
2,600.00	2,452.57	2,294.87	2,237.67	15.14	10.74	-134.77	-13.27	436.24	682.62	660.22	22.40	30.477		
2,700.00	2,542.25	2,380.75	2,319.49	15.87	11.18	-138.17	12.65	433.31	743.81	720.59	23.22	32.033		
2,800.00	2,631.92	2,455.00	2,390.53	16.59	11.56	-140.71	34.04	430.47	805.07	781.17	23.90	33.691		
2,900.00	2,721.59	2,538.41	2,470.38	17.32	11.99	-143.13	58.02	427.82	867.29	842.58	24.71	35.100		
3,000.00	2,811.26	2,619.48	2,548.37	18.05	12.40	-145.19	79.99	424.96	928.91	903.41	25.50	36.431		
3,100.00	2,900.93	2,684.70	2,611.02	18.78	12.73	-146.58	98.02	423.68	991.58	965.49	26.09	38.002		
3,200.00	2,990.60	2,750.76	2,674.33	19.51	13.07	-147.85	116.85	422.54	1,055.36	1,028.65	26.71	39.512		
3,300.00	3,080.28	2,811.25	2,732.14	20.25	13.38	-148.91	134.64	421.30	1,120.21	1,092.95	27.26	41.093		
3,400.00	3,169.95	2,871.14	2,789.13	20.99	13.69	-149.84	153.02	420.52	1,186.33	1,158.51	27.81	42.656		
3,500.00	3,259.62	2,945.65	2,859.94	21.73	14.08	-150.89	176.17	419.47	1,252.99	1,224.41	28.57	43.852		
3,600.00	3,349.29	3,032.70	2,942.83	22.47	14.54	-152.02	202.72	417.83	1,319.46	1,289.96	29.51	44.720		
3,700.00	3,438.96	3,155.79	3,060.98	23.21	15.18	-153.44	237.11	415.34	1,384.05	1,353.16	30.89	44.807		
3,800.00	3,528.64	3,210.12	3,113.26	23.95	15.45	-154.00	251.86	414.27	1,448.31	1,416.92	31.39	46.132		
3,900.00	3,618.31	3,266.56	3,167.35	24.69	15.75	-154.54	267.95	413.12	1,513.76	1,481.83	31.93	47.408		
4,000.00	3,707.98	3,327.00	3,225.08	25.44	16.06	-155.09	285.77	411.71	1,580.11	1,547.59	32.52	48.587		
4,100.00	3,797.65	3,468.92	3,361.64	26.18	16.79	-156.29	324.19	407.96	1,644.32	1,610.18	34.14	48.171		
4,200.00	3,887.32	3,532.79	3,423.30	26.93	17.12	-156.83	340.56	405.26	1,708.18	1,673.41	34.77	49.127		
4,300.00	3,976.99	3,580.94	3,469.63	27.68	17.37	-157.23	353.46	402.74	1,773.13	1,737.92	35.22	50.351		
4,400.00	4,066.67	3,651.05	3,536.85	28.42	17.73	-157.79	372.98	398.65	1,839.08	1,803.14	35.93	51.181		
4,500.00	4,156.34	3,750.44	3,632.36	29.17	18.25	-158.51	399.94	393.39	1,904.54	1,867.53	37.01	51.456		
4,600.00	4,246.01	3,822.57	3,701.87	29.92	18.62	-158.97	418.92	390.20	1,969.35	1,931.58	37.76	52.152		
4,700.00	4,335.68	3,874.18	3,751.47	30.67	18.89	-159.27	433.03	388.13	2,034.95	1,996.69	38.26	53.185		
4,800.00	4,425.35	3,909.26	3,785.05	31.42	19.08	-159.47	443.10	386.79	2,101.69	2,063.14	38.56	54.507		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,515.03	3,939.99	3,814.27	32.17	19.25	-159.63	452.53	385.63	2,169.93	2,131.14	38.79	55.935		
5,000.00	4,604.70	3,976.00	3,848.27	32.92	19.44	-159.80	464.33	384.30	2,239.60	2,200.51	39.09	57.289		
5,100.00	4,694.37	4,005.48	3,875.94	33.67	19.61	-159.94	474.46	383.17	2,310.49	2,271.18	39.31	58.781		
5,200.00	4,784.04	4,042.27	3,910.30	34.42	19.82	-160.11	487.50	381.63	2,382.41	2,342.79	39.62	60.134		
5,300.00	4,873.71	4,089.97	3,954.62	35.17	20.09	-160.32	505.00	379.44	2,455.24	2,415.16	40.08	61.256		
5,400.00	4,963.38	4,468.46	4,312.81	35.92	22.17	-161.92	624.62	360.47	2,527.22	2,482.48	44.74	56.487		
5,500.00	5,053.06	4,530.61	4,372.89	36.67	22.49	-162.16	640.29	357.73	2,591.64	2,546.26	45.39	57.103		
5,600.00	5,142.73	4,599.74	4,439.65	37.43	22.84	-162.40	658.03	354.85	2,656.41	2,610.30	46.11	57.605		
5,700.00	5,232.40	4,660.93	4,498.68	38.18	23.16	-162.61	673.94	352.49	2,721.43	2,674.68	46.75	58.209		
5,800.00	5,322.07	4,714.57	4,550.31	38.93	23.43	-162.76	688.40	350.94	2,787.03	2,739.72	47.31	58.914		
5,900.00	5,411.74	4,853.58	4,684.54	39.68	24.15	-163.15	724.25	346.81	2,851.51	2,802.66	48.84	58.380		
6,000.00	5,501.42	4,909.00	4,738.12	40.44	24.43	-163.30	738.30	344.89	2,916.03	2,866.61	49.42	59.004		
6,100.00	5,591.09	4,970.89	4,797.86	41.19	24.75	-163.47	754.34	342.66	2,981.02	2,930.94	50.07	59.533		
6,200.00	5,680.76	5,043.92	4,868.28	41.94	25.13	-163.67	773.45	339.79	3,046.28	2,995.43	50.85	59.903		
6,300.00	5,770.43	5,113.07	4,934.99	42.70	25.49	-163.85	791.42	336.88	3,111.49	3,059.90	51.59	60.311		
6,400.00	5,860.10	5,862.53	5,672.58	43.45	28.85	-165.45	908.11	325.89	3,164.32	3,105.72	58.60	53.994		
6,500.00	5,949.77	5,916.33	5,726.28	44.20	29.06	-165.57	911.34	325.30	3,212.89	3,153.67	59.23	54.249		
6,600.00	6,039.45	6,081.73	5,891.41	44.96	29.71	-165.93	920.41	322.94	3,261.32	3,200.69	60.63	53.788		
6,700.00	6,129.12	6,228.71	6,038.30	45.71	30.27	-166.22	925.37	323.00	3,307.44	3,245.56	61.88	53.445		
6,800.00	6,218.79	6,384.49	6,194.06	46.46	30.84	-166.53	927.12	322.24	3,351.65	3,288.49	63.16	53.066		
6,900.00	6,308.46	6,476.55	6,286.12	47.22	31.17	-166.72	927.32	321.87	3,395.22	3,331.18	64.04	53.021		
6,969.86	6,371.11	7,867.00	7,139.87	47.75	38.56	-154.35	940.85	1,156.03	3,417.41	3,342.50	74.92	45.617		
7,000.00	6,398.25	7,867.00	7,139.87	47.97	38.56	-160.09	940.85	1,156.03	3,423.07	3,347.89	75.18	45.533		
7,050.00	6,443.70	7,867.00	7,139.87	48.31	38.56	-170.50	940.85	1,156.03	3,433.05	3,357.46	75.59	45.416		
7,100.00	6,489.42	7,867.00	7,139.87	48.61	38.56	178.41	940.85	1,156.03	3,443.72	3,367.74	75.98	45.325		
7,150.00	6,535.12	7,867.00	7,139.87	48.87	38.56	167.28	940.85	1,156.03	3,455.00	3,378.66	76.34	45.257		
7,200.00	6,580.53	7,867.00	7,139.87	49.09	38.56	156.78	940.85	1,156.03	3,466.82	3,390.13	76.68	45.209		
7,250.00	6,625.36	7,847.63	7,139.77	49.27	38.29	147.01	940.55	1,136.66	3,479.00	3,402.31	76.68	45.368		
7,300.00	6,669.35	7,840.09	7,139.74	49.42	38.19	138.65	940.46	1,129.13	3,491.57	3,414.70	76.87	45.422		
7,350.00	6,712.21	7,830.53	7,139.71	49.55	38.06	131.43	940.36	1,119.56	3,504.37	3,427.36	77.01	45.503		
7,400.00	6,753.69	7,819.00	7,139.69	49.65	37.90	125.22	940.27	1,108.03	3,517.29	3,440.17	77.12	45.607		
7,450.00	6,793.52	7,805.57	7,139.69	49.73	37.71	119.87	940.20	1,094.61	3,530.22	3,453.02	77.20	45.729		
7,500.00	6,831.47	7,790.32	7,139.71	49.81	37.51	115.24	940.17	1,079.36	3,543.04	3,465.79	77.25	45.863		
7,550.00	6,867.30	7,775.80	7,139.75	49.88	37.31	111.23	940.19	1,064.84	3,555.63	3,478.30	77.33	45.980		
7,600.00	6,900.78	7,720.00	7,139.49	49.95	36.63	107.27	940.14	1,009.04	3,567.54	3,490.75	76.79	46.459		
7,650.00	6,931.72	7,685.92	7,138.40	50.03	36.25	104.06	940.08	974.98	3,578.79	3,502.14	76.65	46.687		
7,700.00	6,959.92	7,663.76	7,137.07	50.11	36.02	101.38	940.19	952.86	3,589.46	3,512.74	76.73	46.782		
7,750.00	6,985.20	7,640.99	7,135.18	50.20	35.78	99.05	940.44	930.17	3,599.43	3,522.60	76.83	46.851		
7,800.00	7,007.41	7,531.00	7,116.20	50.30	34.83	96.22	941.29	821.97	3,608.18	3,532.41	75.77	47.619		
7,850.00	7,026.42	7,531.00	7,116.20	50.42	34.83	94.78	941.29	821.97	3,615.64	3,539.34	76.30	47.388		
7,900.00	7,042.11	7,491.58	7,104.81	50.57	34.58	93.23	941.45	784.24	3,621.87	3,545.49	76.38	47.417		
7,950.00	7,054.37	7,475.28	7,099.39	50.73	34.49	92.15	941.72	768.88	3,627.35	3,550.54	76.80	47.228		
8,000.00	7,063.14	7,437.00	7,085.01	50.92	34.30	91.13	942.82	733.42	3,632.01	3,555.01	76.99	47.173		
8,050.00	7,068.36	7,212.35	6,960.34	51.13	33.61	88.50	942.19	548.14	3,634.44	3,559.09	75.35	48.234		
8,094.17	7,070.00	7,193.04	6,946.71	51.34	33.56	88.23	941.61	534.47	3,634.38	3,558.55	75.83	47.928		
8,100.00	7,070.03	7,190.49	6,944.89	51.37	33.55	88.20	941.54	532.69	3,634.31	3,558.41	75.90	47.885		
8,155.94	7,070.32	7,166.83	6,927.68	51.68	33.49	87.92	940.91	516.48	3,634.00	3,557.42	76.58	47.454		
8,200.00	7,070.55	7,141.47	6,908.67	51.94	33.42	87.62	940.30	499.70	3,634.18	3,557.12	77.06	47.160		
8,300.00	7,071.07	7,054.18	6,838.86	52.64	33.17	86.52	937.55	447.47	3,635.54	3,557.51	78.03	46.589		
8,400.00	7,071.60	6,973.45	6,769.52	53.49	32.92	85.42	933.90	406.34	3,638.39	3,559.19	79.20	45.939		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,500.00	7,072.12	6,966.00	6,762.94	54.50	32.89	85.32	933.51	402.86	3,643.37	3,562.23	81.13	44.906		
8,600.00	7,072.64	6,933.84	6,734.11	55.69	32.79	84.86	931.94	388.69	3,650.69	3,567.76	82.93	44.019		
8,700.00	7,073.17	6,919.21	6,720.78	57.04	32.74	84.65	931.32	382.72	3,660.65	3,575.69	84.96	43.087		
8,800.00	7,073.69	6,905.96	6,708.58	58.55	32.70	84.46	930.81	377.56	3,673.16	3,586.11	87.05	42.198		
8,900.00	7,074.21	6,872.00	6,676.86	60.21	32.58	83.96	929.74	365.48	3,688.41	3,599.42	88.99	41.449		
9,000.00	7,074.74	6,872.00	6,676.86	61.99	32.58	83.96	929.74	365.48	3,705.84	3,614.60	91.24	40.616		
9,100.00	7,075.26	6,872.00	6,676.86	63.88	32.58	83.96	929.74	365.48	3,725.86	3,632.37	93.50	39.850		
9,200.00	7,075.78	6,872.00	6,676.86	65.87	32.58	83.96	929.74	365.48	3,748.45	3,652.71	95.74	39.151		
9,300.00	7,076.30	6,872.00	6,676.86	67.95	32.58	83.96	929.74	365.48	3,773.56	3,675.59	97.97	38.518		
9,400.00	7,076.83	6,872.00	6,676.86	70.09	32.58	83.96	929.74	365.48	3,801.13	3,700.97	100.17	37.948		
9,500.00	7,077.35	6,872.00	6,676.86	72.30	32.58	83.96	929.74	365.48	3,831.12	3,728.79	102.33	37.440		
9,600.00	7,077.87	6,832.95	6,639.70	74.57	32.45	83.37	928.96	353.52	3,862.64	3,758.48	104.16	37.082		
9,700.00	7,078.40	6,826.45	6,633.46	76.88	32.42	83.28	928.89	351.73	3,896.97	3,790.77	106.20	36.696		
9,800.00	7,078.92	6,820.35	6,627.58	79.24	32.40	83.18	928.82	350.09	3,933.49	3,825.30	108.18	36.360		
9,900.00	7,079.44	6,814.61	6,622.04	81.63	32.38	83.10	928.78	348.60	3,972.15	3,862.04	110.12	36.073		
10,000.00	7,079.97	6,777.00	6,585.45	84.06	32.25	82.53	928.76	339.90	4,013.50	3,901.73	111.77	35.908		
10,100.00	7,080.49	6,777.00	6,585.45	86.52	32.25	82.53	928.76	339.90	4,056.11	3,942.48	113.63	35.695		
10,200.00	7,081.01	6,777.00	6,585.45	89.01	32.25	82.53	928.76	339.90	4,100.71	3,985.28	115.43	35.524		
10,300.00	7,081.54	6,777.00	6,585.45	91.52	32.25	82.53	928.76	339.90	4,147.25	4,030.08	117.17	35.395		
10,400.00	7,082.06	6,777.00	6,585.45	94.05	32.25	82.53	928.76	339.90	4,195.65	4,076.81	118.85	35.303		
10,500.00	7,082.58	6,777.00	6,585.45	96.61	32.25	82.53	928.76	339.90	4,245.86	4,125.40	120.46	35.248		
10,600.00	7,083.10	6,777.00	6,585.45	99.18	32.25	82.53	928.76	339.90	4,297.81	4,175.80	122.01	35.226		
10,700.00	7,083.63	6,777.00	6,585.45	101.77	32.25	82.53	928.76	339.90	4,351.43	4,227.94	123.49	35.236		
10,800.00	7,084.15	6,777.00	6,585.45	104.38	32.25	82.53	928.76	339.90	4,406.68	4,281.76	124.92	35.276		
10,900.00	7,084.67	6,777.00	6,585.45	107.00	32.25	82.53	928.76	339.90	4,463.48	4,337.19	126.29	35.344		
11,000.00	7,085.20	6,777.00	6,585.45	109.63	32.25	82.53	928.76	339.90	4,521.78	4,394.18	127.59	35.439		
11,100.00	7,085.72	6,777.00	6,585.45	112.27	32.25	82.53	928.76	339.90	4,581.51	4,452.67	128.85	35.558		
11,200.00	7,086.24	6,777.00	6,585.45	114.93	32.25	82.53	928.76	339.90	4,642.64	4,512.60	130.04	35.701		
11,300.00	7,086.77	6,777.00	6,585.45	117.59	32.25	82.53	928.76	339.90	4,705.10	4,573.91	131.19	35.866		
11,400.00	7,087.29	6,777.00	6,585.45	120.27	32.25	82.53	928.76	339.90	4,768.83	4,636.55	132.28	36.051		
11,500.00	7,087.81	6,777.00	6,585.45	122.95	32.25	82.53	928.76	339.90	4,833.80	4,700.47	133.32	36.256		
11,600.00	7,088.33	6,777.00	6,585.45	125.64	32.25	82.53	928.76	339.90	4,899.94	4,765.62	134.32	36.480		
11,700.00	7,088.86	6,777.00	6,585.45	128.34	32.25	82.53	928.76	339.90	4,967.22	4,831.95	135.27	36.721		
11,800.00	7,089.38	6,737.82	6,546.91	131.05	32.11	81.93	928.89	332.89	5,034.75	4,898.76	135.99	37.022		
11,900.00	7,089.90	6,735.18	6,544.31	133.76	32.10	81.89	928.89	332.49	5,104.03	4,967.18	136.85	37.297		
12,000.00	7,090.43	6,732.68	6,541.83	136.49	32.10	81.85	928.89	332.13	5,174.31	5,036.65	137.67	37.586		
12,100.00	7,090.95	6,730.29	6,539.47	139.21	32.09	81.81	928.89	331.79	5,245.55	5,107.10	138.45	37.889		
12,200.00	7,091.47	6,728.02	6,537.21	141.94	32.08	81.78	928.89	331.47	5,317.71	5,178.52	139.19	38.205		
12,300.00	7,092.00	6,725.85	6,535.06	144.68	32.07	81.74	928.88	331.17	5,390.75	5,250.85	139.90	38.534		
12,400.00	7,092.52	6,723.78	6,533.01	147.42	32.06	81.71	928.88	330.89	5,464.64	5,324.07	140.57	38.874		
12,500.00	7,093.04	6,721.79	6,531.04	150.17	32.06	81.68	928.88	330.64	5,539.34	5,398.13	141.22	39.226		
12,600.00	7,093.57	6,682.00	6,491.46	152.92	31.92	81.07	928.68	326.60	5,615.67	5,474.02	141.65	39.646		
12,700.00	7,094.09	6,682.00	6,491.46	155.67	31.92	81.07	928.68	326.60	5,691.84	5,549.59	142.24	40.015		
12,800.00	7,094.61	6,682.00	6,491.46	158.43	31.92	81.07	928.68	326.60	5,768.73	5,625.92	142.81	40.393		
12,900.00	7,095.13	6,682.00	6,491.46	161.19	31.92	81.07	928.68	326.60	5,846.33	5,702.97	143.36	40.781		
13,000.00	7,095.66	6,682.00	6,491.46	163.96	31.92	81.07	928.68	326.60	5,924.59	5,780.71	143.88	41.178		
13,100.00	7,096.18	6,682.00	6,491.46	166.73	31.92	81.07	928.68	326.60	6,003.50	5,859.13	144.37	41.583		
13,200.00	7,096.70	6,682.00	6,491.46	169.50	31.92	81.07	928.68	326.60	6,083.04	5,938.19	144.85	41.997		
13,256.62	7,097.00	6,682.00	6,491.46	171.07	31.92	81.07	928.68	326.60	6,128.33	5,983.23	145.10	42.234		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	139.47	-592.72	506.71	779.86					
100.00	100.00	89.84	89.84	3.28	3.29	139.49	-592.84	506.49	779.74	773.17	6.57	118.670		
200.00	200.00	190.95	190.94	3.34	3.31	139.55	-593.27	505.72	779.57	772.92	6.65	117.207		
276.73	276.73	268.93	268.92	3.42	3.38	139.61	-593.60	504.94	779.32	772.52	6.80	114.683		
300.00	300.00	283.37	283.36	3.44	3.40	139.63	-593.78	504.84	779.41	772.57	6.84	113.928		
400.00	399.98	357.68	357.64	3.60	3.49	-13.78	-596.04	504.97	780.12	773.02	7.10	109.841		
500.00	499.84	441.35	441.13	3.79	3.64	-13.63	-601.30	505.30	780.10	772.65	7.45	104.758		
600.00	599.45	519.36	518.80	4.02	3.80	-13.43	-608.54	505.77	779.13	771.27	7.86	99.107		
700.00	698.70	603.46	602.31	4.29	4.01	-13.23	-618.40	507.17	777.33	768.98	8.35	93.138		
800.00	797.47	687.00	685.00	4.59	4.24	-12.99	-630.19	508.60	774.05	765.16	8.89	87.096		
900.00	895.62	768.38	765.13	4.93	4.49	-12.66	-644.30	509.66	769.67	760.20	9.48	81.224		
1,000.00	993.06	851.83	846.69	5.31	4.78	-12.17	-661.95	509.91	764.33	754.22	10.12	75.557		
1,100.00	1,089.64	939.80	932.04	5.72	5.11	-11.50	-683.20	509.01	757.32	746.52	10.80	70.094		
1,200.00	1,185.27	1,026.95	1,015.79	6.16	5.46	-10.64	-707.16	506.47	748.68	737.14	11.54	64.898		
1,300.00	1,279.82	1,119.19	1,103.99	6.64	5.86	-9.66	-734.01	503.48	738.02	725.70	12.32	59.894		
1,400.00	1,373.17	1,215.07	1,195.41	7.16	6.30	-8.59	-762.68	500.14	724.76	711.60	13.16	55.090		
1,500.00	1,465.21	1,311.27	1,287.17	7.71	6.76	-7.55	-791.43	497.14	708.53	694.51	14.02	50.531		
1,600.00	1,555.84	1,405.25	1,376.58	8.31	7.22	-6.46	-820.21	493.99	689.70	674.79	14.91	46.265		
1,613.50	1,567.96	1,419.44	1,390.05	8.39	7.29	-6.27	-824.63	493.38	686.92	671.88	15.04	45.676		
1,700.00	1,645.53	1,508.47	1,474.42	8.93	7.75	-4.95	-852.59	488.21	668.59	652.74	15.86	42.167		
1,800.00	1,735.20	1,607.63	1,568.25	9.58	8.26	-3.26	-883.83	481.01	647.27	630.47	16.80	38.530		
1,900.00	1,824.87	1,706.66	1,662.25	10.25	8.78	-1.53	-914.28	474.31	626.03	608.27	17.75	35.261		
2,000.00	1,914.54	1,802.79	1,753.61	10.92	9.29	0.20	-943.57	468.34	605.32	586.62	18.71	32.359		
2,100.00	2,004.21	1,911.35	1,857.51	11.61	9.85	2.12	-974.49	462.57	583.68	563.96	19.71	29.607		
2,200.00	2,093.89	2,011.19	1,953.49	12.30	10.37	3.93	-1,001.51	457.66	561.42	540.73	20.69	27.136		
2,300.00	2,183.56	2,112.89	2,051.60	13.01	10.90	5.81	-1,027.98	453.40	538.98	517.31	21.67	24.867		
2,400.00	2,273.23	2,210.93	2,146.39	13.71	11.41	7.80	-1,052.59	448.83	516.08	493.43	22.65	22.780		
2,500.00	2,362.90	2,299.48	2,231.93	14.43	11.87	9.72	-1,075.14	445.02	494.27	470.65	23.62	20.926		
2,600.00	2,452.57	2,397.07	2,325.89	15.14	12.38	11.98	-1,101.26	441.45	474.56	449.93	24.63	19.268		
2,700.00	2,542.25	2,495.30	2,420.88	15.87	12.89	14.37	-1,126.07	438.21	454.20	428.54	25.66	17.704		
2,800.00	2,631.92	2,586.92	2,509.35	16.59	13.37	16.74	-1,149.75	435.66	435.32	408.64	26.68	16.316		
2,900.00	2,721.59	2,677.07	2,596.16	17.32	13.85	19.15	-1,174.00	434.03	418.48	390.76	27.72	15.095		
3,000.00	2,811.26	2,774.50	2,689.61	18.05	14.38	22.09	-1,201.42	431.40	403.80	374.96	28.83	14.004		
3,100.00	2,900.93	2,869.44	2,780.86	18.78	14.89	25.25	-1,227.43	428.19	389.50	359.53	29.98	12.994		
3,200.00	2,990.60	2,961.12	2,868.59	19.51	15.40	28.63	-1,253.74	424.06	377.93	346.78	31.15	12.133		
3,300.00	3,080.28	3,062.41	2,965.44	20.25	15.95	32.56	-1,283.06	419.63	368.23	335.78	32.44	11.349		
3,400.00	3,169.95	3,158.65	3,057.91	20.99	16.48	36.48	-1,309.46	415.61	358.71	324.95	33.76	10.625		
3,500.00	3,259.62	3,252.80	3,148.12	21.73	16.99	40.48	-1,336.09	411.50	351.95	316.83	35.12	10.021		
3,600.00	3,349.29	3,358.30	3,249.42	22.47	17.57	45.10	-1,365.24	407.21	346.49	309.85	36.64	9.457		
3,700.00	3,438.96	3,449.33	3,337.18	23.21	18.06	49.17	-1,389.20	404.20	341.60	303.53	38.08	8.972		
3,800.00	3,528.64	3,550.38	3,434.33	23.95	18.61	53.78	-1,416.70	400.31	339.85	300.20	39.66	8.570		
3,899.58	3,617.93	3,647.28	3,527.80	24.69	19.13	58.15	-1,442.14	397.71	338.83	297.61	41.22	8.221 CC		
3,900.00	3,618.31	3,647.68	3,528.19	24.69	19.13	58.17	-1,442.25	397.70	338.83	297.60	41.22	8.219		
4,000.00	3,707.98	3,741.13	3,618.12	25.44	19.64	62.24	-1,467.55	395.71	340.23	297.48	42.75	7.959 ES		
4,100.00	3,797.65	3,833.39	3,706.57	26.18	20.15	66.10	-1,493.70	393.57	344.64	300.40	44.24	7.790		
4,200.00	3,887.32	3,928.87	3,797.73	26.93	20.68	69.82	-1,522.03	391.48	351.68	305.92	45.76	7.686		
4,300.00	3,976.99	4,025.59	3,889.93	27.68	21.23	73.36	-1,551.16	389.56	360.40	313.14	47.27	7.625		
4,400.00	4,066.67	4,121.46	3,981.21	28.42	21.77	76.65	-1,580.42	387.76	370.68	321.94	48.74	7.606 SF		
4,500.00	4,156.34	4,216.77	4,071.79	29.17	22.32	79.68	-1,610.02	385.89	382.55	332.38	50.17	7.626		
4,600.00	4,246.01	4,316.37	4,166.58	29.92	22.88	82.72	-1,640.53	383.70	395.46	343.82	51.64	7.657		
4,700.00	4,335.68	4,416.02	4,261.73	30.67	23.44	85.69	-1,670.06	381.69	408.77	355.67	53.09	7.699		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,800.00	4,425.35	4,501.70	4,343.61	31.42	23.93	88.20	-1,695.09	378.77	424.10	369.84	54.26	7.816			
4,900.00	4,515.03	4,596.94	4,434.66	32.17	24.46	90.93	-1,722.61	373.85	441.87	386.30	55.57	7.951			
5,000.00	4,604.70	4,694.63	4,528.27	32.92	25.00	93.63	-1,750.05	368.57	460.54	403.64	56.90	8.094			
5,100.00	4,694.37	4,797.46	4,627.24	33.67	25.56	96.40	-1,777.45	363.42	479.34	421.05	58.28	8.225			
5,200.00	4,784.04	4,887.52	4,714.24	34.42	26.05	98.77	-1,800.33	359.07	498.58	439.19	59.39	8.395			
5,300.00	4,873.71	4,981.32	4,804.72	35.17	26.55	101.06	-1,824.39	353.42	519.87	459.33	60.54	8.587			
5,400.00	4,963.38	5,079.75	4,899.85	35.92	27.08	103.35	-1,848.98	347.59	541.74	479.99	61.75	8.772			
5,500.00	5,053.06	5,174.84	4,991.68	36.67	27.59	105.35	-1,873.13	342.41	563.97	501.08	62.89	8.968			
5,600.00	5,142.73	5,279.40	5,092.73	37.43	28.15	107.40	-1,899.48	337.15	586.44	522.26	64.18	9.137			
5,700.00	5,232.40	5,383.09	5,193.24	38.18	28.70	109.34	-1,924.68	333.58	607.87	542.44	65.42	9.291			
5,800.00	5,322.07	5,488.34	5,296.19	38.93	29.24	111.54	-1,946.39	331.16	628.60	561.99	66.61	9.437			
5,900.00	5,411.74	5,589.40	5,395.72	39.68	29.72	113.80	-1,963.86	329.90	649.01	581.35	67.66	9.592			
6,000.00	5,501.42	5,690.08	5,495.21	40.44	30.18	116.10	-1,979.22	329.79	669.27	600.62	68.65	9.749			
6,100.00	5,591.09	5,780.59	5,584.96	41.19	30.59	118.22	-1,990.93	329.89	690.41	620.94	69.46	9.939			
6,200.00	5,680.76	5,865.09	5,669.03	41.94	30.95	120.29	-1,999.39	329.36	713.52	643.39	70.13	10.174			
6,300.00	5,770.43	5,948.99	5,752.65	42.70	31.30	122.35	-2,006.12	328.02	738.90	668.18	70.72	10.448			
6,400.00	5,860.10	6,041.04	5,844.47	43.45	31.68	124.56	-2,012.35	326.22	765.94	694.55	71.40	10.728			
6,500.00	5,949.77	6,134.79	5,938.05	44.20	32.06	126.73	-2,017.87	324.69	793.95	721.87	72.07	11.016			
6,600.00	6,039.45	6,227.06	6,030.22	44.96	32.42	128.83	-2,021.92	323.74	822.80	750.11	72.69	11.319			
6,700.00	6,129.12	6,316.08	6,119.22	45.71	32.76	130.86	-2,023.85	323.35	852.76	779.54	73.22	11.646			
6,800.00	6,218.79	6,397.85	6,200.98	46.46	33.06	132.66	-2,024.94	322.72	884.32	810.69	73.62	12.011			
6,900.00	6,308.46	6,479.69	6,283.11	47.22	33.53	134.94	-2,030.26	1,195.84	916.52	842.18	74.00	12.380			
6,969.86	6,371.11	6,544.44	6,348.71	47.75	33.74	136.73	-2,030.61	1,209.58	947.28	872.19	74.30	12.749			
7,000.00	6,398.25	6,579.68	6,375.64	47.97	33.83	136.29	-2,030.75	1,214.82	958.26	883.16	74.46	12.863			
7,050.00	6,443.70	6,625.15	6,420.56	48.31	33.92	137.86	-2,030.89	1,220.39	969.00	893.90	74.59	12.977			
7,100.00	6,489.42	6,671.86	6,466.54	48.61	33.94	138.75	-2,030.94	1,222.00	979.77	904.67	74.67	13.091			
7,150.00	6,535.12	6,718.59	6,512.57	48.87	33.90	139.65	-2,030.87	1,219.63	990.02	915.43	74.68	13.205			
7,200.00	6,580.53	6,764.14	6,558.06	49.09	33.80	140.57	-2,030.71	1,217.28	1,000.27	926.18	74.69	13.319			
7,250.00	6,625.36	6,809.81	6,603.89	49.27	33.64	141.50	-2,030.44	1,202.95	1,010.52	936.93	74.69	13.433			
7,300.00	6,669.35	6,855.55	6,649.00	49.42	33.41	142.43	-2,030.09	1,188.70	1,020.77	947.17	74.68	13.547			
7,350.00	6,712.21	6,897.44	6,690.26	49.55	33.12	143.36	-2,029.65	1,170.60	1,030.52	957.41	74.66	13.661			
7,400.00	6,753.69	6,938.83	6,731.56	49.65	32.79	144.29	-2,029.18	1,150.00	1,040.27	967.16	74.63	13.775			
7,450.00	6,793.52	6,979.02	6,771.05	49.73	32.32	145.22	-2,028.62	1,127.20	1,050.02	976.90	74.59	13.889			
7,500.00	6,831.47	7,018.00	6,809.65	49.81	31.77	146.15	-2,028.58	1,099.18	1,060.00	986.64	74.54	13.999			
7,548.87	6,866.52	7,057.52	6,848.28	49.88	31.23	147.08	-2,029.21	1,040.71	1,070.00	996.38	74.48	14.109			
7,550.00	6,867.30	7,058.80	6,849.56	49.88	31.22	147.08	-2,029.23	1,039.99	1,070.00	996.38	74.48	14.109			
7,600.00	6,900.78	7,091.79	6,882.55	49.95	30.80	148.01	-2,029.82	1,006.99	1,080.00	1,006.99	74.42	14.219			
7,650.00	6,931.72	7,122.66	6,913.50	50.03	30.36	148.94	-2,030.27	971.86	1,090.00	1,016.93	74.35	14.329			
7,700.00	6,959.92	7,153.53	6,944.41	50.11	30.03	149.87	-2,030.56	933.73	1,100.00	1,026.86	74.27	14.439			
7,750.00	6,985.20	7,184.44	6,975.30	50.20	29.58	150.80	-2,030.79	892.75	1,110.00	1,036.79	74.19	14.549			
7,800.00	7,007.41	7,215.35	7,006.19	50.30	29.07	151.73	-2,030.94	849.60	1,120.00	1,046.72	74.10	14.659			
7,850.00	7,026.42	7,246.26	7,025.10	50.42	28.52	152.66	-2,030.96	804.27	1,130.00	1,056.65	74.00	14.769			
7,900.00	7,042.11	7,277.17	7,040.81	50.57	27.97	153.59	-2,030.83	759.68	1,140.00	1,066.58	73.89	14.879			
7,950.00	7,054.37	7,299.08	7,053.02	50.73	27.42	154.52	-2,030.27	722.11	1,150.00	1,076.51	73.77	14.989			
8,000.00	7,063.14	7,317.99	7,061.83	50.92	26.87	155.45	-2,029.05	684.63	1,160.00	1,086.44	73.64	15.099			
8,050.00	7,068.36	7,324.18	7,067.05	51.13	26.32	156.38	-2,027.19	647.30	1,170.00	1,096.37	73.51	15.209			
8,094.17	7,070.00	7,328.88	7,069.20	51.34	25.77	157.31	-2,024.21	591.83	1,180.00	1,106.30	73.38	15.319			
8,100.00	7,070.03	7,329.43	7,069.25	51.37	25.72	157.34	-2,023.90	583.91	1,180.00	1,106.30	73.38	15.319			
8,200.00	7,070.55	7,260.18	7,015.92	51.94	25.79	158.28	-2,022.61	501.30	1,190.00	1,116.23	73.25	15.429			
8,300.00	7,071.07	7,204.03	6,975.01	52.64	25.68	159.22	-2,022.87	462.94	1,200.00	1,126.16	73.12	15.539			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,400.00	7,071.60	7,159.60	6,939.38	53.49	35.57	79.78	-2,022.94	436.43	699.87	620.94	78.93	8.867			
8,500.00	7,072.12	7,113.73	6,900.64	54.50	35.44	76.58	-2,023.44	411.88	729.20	649.33	79.87	9.130			
8,600.00	7,072.64	7,074.00	6,865.74	55.69	35.34	73.74	-2,024.50	392.94	767.81	686.83	80.98	9.481			
8,700.00	7,073.17	7,052.07	6,845.99	57.04	35.27	72.17	-2,025.20	383.43	815.19	732.43	82.75	9.851			
8,800.00	7,073.69	7,031.12	6,826.84	58.55	35.21	70.66	-2,025.79	374.96	870.43	786.18	84.25	10.331			
8,900.00	7,074.21	7,012.96	6,810.03	60.21	35.16	69.37	-2,026.25	368.12	932.34	846.78	85.56	10.897			
9,000.00	7,074.74	6,979.00	6,778.09	61.99	35.06	66.97	-2,026.95	356.61	1,000.20	914.14	86.06	11.622			
9,100.00	7,075.26	6,979.00	6,778.09	63.88	35.06	66.97	-2,026.95	356.61	1,071.96	984.50	87.46	12.257			
9,200.00	7,075.78	6,979.00	6,778.09	65.87	35.06	66.97	-2,026.95	356.61	1,147.95	1,059.43	88.52	12.968			
9,300.00	7,076.30	6,979.00	6,778.09	67.95	35.06	66.97	-2,026.95	356.61	1,227.39	1,138.05	89.34	13.739			
9,400.00	7,076.83	6,949.59	6,749.98	70.09	34.96	64.92	-2,027.43	347.99	1,308.72	1,219.34	89.38	14.643			
9,500.00	7,077.35	6,940.63	6,741.34	72.30	34.94	64.31	-2,027.56	345.62	1,392.66	1,302.91	89.75	15.517			
9,600.00	7,077.87	6,932.53	6,733.50	74.57	34.91	63.75	-2,027.67	343.58	1,478.46	1,388.41	90.05	16.417			
9,700.00	7,078.40	6,925.17	6,726.36	76.88	34.89	63.25	-2,027.76	341.81	1,565.82	1,475.53	90.29	17.342			
9,800.00	7,078.92	6,918.46	6,719.83	79.24	34.86	62.80	-2,027.83	340.27	1,654.52	1,564.04	90.48	18.286			
9,900.00	7,079.44	6,886.00	6,688.03	81.63	34.76	60.65	-2,028.14	333.78	1,745.07	1,654.77	90.30	19.325			
10,000.00	7,079.97	6,886.00	6,688.03	84.06	34.76	60.65	-2,028.14	333.78	1,835.62	1,745.11	90.51	20.280			
10,100.00	7,080.49	6,886.00	6,688.03	86.52	34.76	60.65	-2,028.14	333.78	1,927.10	1,836.42	90.68	21.252			
10,200.00	7,081.01	6,886.00	6,688.03	89.01	34.76	60.65	-2,028.14	333.78	2,019.39	1,928.58	90.81	22.238			
10,300.00	7,081.54	6,886.00	6,688.03	91.52	34.76	60.65	-2,028.14	333.78	2,112.39	2,021.48	90.91	23.236			
10,400.00	7,082.06	6,886.00	6,688.03	94.05	34.76	60.65	-2,028.14	333.78	2,205.99	2,115.00	90.99	24.245			
10,500.00	7,082.58	6,886.00	6,688.03	96.61	34.76	60.65	-2,028.14	333.78	2,300.14	2,209.09	91.05	25.263			
10,600.00	7,083.10	6,886.00	6,688.03	99.18	34.76	60.65	-2,028.14	333.78	2,394.76	2,303.66	91.09	26.289			
10,700.00	7,083.63	6,886.00	6,688.03	101.77	34.76	60.65	-2,028.14	333.78	2,489.79	2,398.67	91.13	27.322			
10,800.00	7,084.15	6,886.00	6,688.03	104.38	34.76	60.65	-2,028.14	333.78	2,585.21	2,494.06	91.15	28.362			
10,900.00	7,084.67	6,886.00	6,688.03	107.00	34.76	60.65	-2,028.14	333.78	2,680.96	2,589.79	91.17	29.406			
11,000.00	7,085.20	6,886.00	6,688.03	109.63	34.76	60.65	-2,028.14	333.78	2,777.00	2,685.82	91.18	30.456			
11,100.00	7,085.72	6,886.00	6,688.03	112.27	34.76	60.65	-2,028.14	333.78	2,873.32	2,782.13	91.19	31.510			
11,200.00	7,086.24	6,852.15	6,654.62	114.93	34.65	58.50	-2,028.14	328.33	2,969.16	2,878.13	91.03	32.617			
11,300.00	7,086.77	6,848.46	6,650.97	117.59	34.63	58.27	-2,028.11	327.79	3,065.78	2,974.76	91.03	33.681			
11,400.00	7,087.29	6,844.94	6,647.48	120.27	34.62	58.06	-2,028.08	327.29	3,162.60	3,071.58	91.02	34.747			
11,500.00	7,087.81	6,841.56	6,644.14	122.95	34.61	57.85	-2,028.04	326.82	3,259.59	3,168.58	91.01	35.815			
11,600.00	7,088.33	6,838.32	6,640.93	125.64	34.60	57.65	-2,028.00	326.38	3,356.75	3,265.75	91.01	36.885			
11,700.00	7,088.86	6,835.21	6,637.85	128.34	34.59	57.47	-2,027.96	325.96	3,454.06	3,363.06	91.00	37.957			
11,800.00	7,089.38	6,832.23	6,634.89	131.05	34.58	57.29	-2,027.91	325.57	3,551.51	3,460.52	90.99	39.030			
11,900.00	7,089.90	6,829.36	6,632.05	133.76	34.57	57.11	-2,027.86	325.20	3,649.09	3,558.10	90.99	40.105			
12,000.00	7,090.43	6,826.60	6,629.31	136.49	34.56	56.95	-2,027.81	324.85	3,746.78	3,655.79	90.99	41.180			
12,100.00	7,090.95	6,792.00	6,594.94	139.21	34.44	54.94	-2,026.91	321.03	3,845.18	3,754.30	90.89	42.306			
12,200.00	7,091.47	6,792.00	6,594.94	141.94	34.44	54.94	-2,026.91	321.03	3,943.00	3,852.10	90.90	43.378			
12,300.00	7,092.00	6,792.00	6,594.94	144.68	34.44	54.94	-2,026.91	321.03	4,040.91	3,950.01	90.91	44.451			
12,400.00	7,092.52	6,792.00	6,594.94	147.42	34.44	54.94	-2,026.91	321.03	4,138.93	4,048.02	90.92	45.525			
12,500.00	7,093.04	6,792.00	6,594.94	150.17	34.44	54.94	-2,026.91	321.03	4,237.04	4,146.12	90.92	46.600			
12,600.00	7,093.57	6,792.00	6,594.94	152.92	34.44	54.94	-2,026.91	321.03	4,335.24	4,244.31	90.93	47.675			
12,700.00	7,094.09	6,792.00	6,594.94	155.67	34.44	54.94	-2,026.91	321.03	4,433.52	4,342.57	90.94	48.751			
12,800.00	7,094.61	6,792.00	6,594.94	158.43	34.44	54.94	-2,026.91	321.03	4,531.87	4,440.92	90.95	49.827			
12,900.00	7,095.13	6,792.00	6,594.94	161.19	34.44	54.94	-2,026.91	321.03	4,630.29	4,539.33	90.96	50.903			
13,000.00	7,095.66	6,792.00	6,594.94	163.96	34.44	54.94	-2,026.91	321.03	4,728.78	4,637.81	90.97	51.980			
13,100.00	7,096.18	6,792.00	6,594.94	166.73	34.44	54.94	-2,026.91	321.03	4,827.33	4,736.35	90.98	53.057			
13,200.00	7,096.70	6,792.00	6,594.94	169.50	34.44	54.94	-2,026.91	321.03	4,925.94	4,834.95	91.00	54.133			
13,256.62	7,097.00	6,792.00	6,594.94	171.07	34.44	54.94	-2,026.91	321.03	4,981.80	4,890.80	91.00	54.743			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 436-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	138.48	-572.68	506.99	764.93					
100.00	100.00	87.93	87.93	3.28	3.29	138.52	-573.07	506.64	764.92	758.35	6.57	116.415		
200.00	200.00	186.71	186.69	3.34	3.31	138.65	-574.42	505.44	765.14	758.49	6.64	115.168		
300.00	300.00	285.41	285.34	3.44	3.34	138.89	-576.74	503.38	765.53	758.74	6.79	112.797		
400.00	399.98	384.03	383.87	3.60	3.39	-14.32	-580.02	500.45	764.41	757.42	6.99	109.401		
500.00	499.84	476.43	476.09	3.79	3.48	-14.01	-584.27	496.85	760.29	753.02	7.27	104.617		
600.00	599.45	565.19	564.42	4.02	3.64	-13.55	-591.36	492.00	754.38	746.72	7.66	98.516		
700.00	698.70	655.72	654.25	4.29	3.83	-12.95	-600.83	485.78	746.19	738.06	8.13	91.808		
800.00	797.47	740.45	738.09	4.59	4.05	-12.34	-611.52	479.96	736.39	727.73	8.66	85.081		
900.00	895.62	823.32	819.77	4.93	4.30	-11.66	-624.22	474.11	725.34	716.11	9.24	78.538		
1,000.00	993.06	902.28	897.27	5.31	4.56	-10.96	-638.44	469.01	713.55	703.69	9.86	72.400		
1,100.00	1,089.64	979.99	973.27	5.72	4.84	-10.29	-654.24	465.25	701.33	690.82	10.51	66.722		
1,200.00	1,185.27	1,064.01	1,055.13	6.16	5.15	-9.59	-672.97	462.67	688.49	677.27	11.22	61.358		
1,300.00	1,279.82	1,153.26	1,141.77	6.64	5.51	-8.83	-694.25	460.51	674.06	662.09	11.97	56.300		
1,400.00	1,373.17	1,250.52	1,235.97	7.16	5.92	-7.95	-718.38	458.17	657.20	644.41	12.79	51.379		
1,500.00	1,465.21	1,345.51	1,327.70	7.71	6.34	-6.93	-742.76	454.41	637.04	623.40	13.64	46.720		
1,600.00	1,555.84	1,435.12	1,413.85	8.31	6.76	-5.80	-767.04	450.11	614.54	600.05	14.49	42.414		
1,613.50	1,567.96	1,447.03	1,425.25	8.39	6.81	-5.64	-770.40	449.48	611.35	596.74	14.61	41.848		
1,700.00	1,645.53	1,527.13	1,501.80	8.93	7.20	-4.38	-793.55	444.90	591.30	575.92	15.37	38.460		
1,800.00	1,735.20	1,621.63	1,591.97	9.58	7.67	-2.74	-821.26	439.25	568.77	552.48	16.28	34.928		
1,900.00	1,824.87	1,720.55	1,686.53	10.25	8.17	-1.00	-849.87	434.28	546.78	529.56	17.22	31.746		
2,000.00	1,914.54	1,822.86	1,784.81	10.92	8.69	0.79	-877.96	430.02	524.31	506.12	18.19	28.828		
2,100.00	2,004.21	1,923.45	1,881.91	11.61	9.19	2.54	-904.03	426.81	501.27	482.13	19.15	26.182		
2,200.00	2,093.89	2,025.52	1,980.88	12.30	9.70	4.24	-928.90	424.97	477.74	457.63	20.11	23.757		
2,300.00	2,183.56	2,136.19	2,088.80	13.01	10.24	6.19	-953.35	423.00	452.51	431.42	21.09	21.458		
2,400.00	2,273.23	2,238.47	2,189.05	13.71	10.72	8.15	-973.49	420.81	425.35	403.31	22.04	19.300		
2,500.00	2,362.90	2,330.92	2,279.74	14.43	11.16	10.17	-991.32	418.75	398.25	375.26	22.99	17.321		
2,600.00	2,452.57	2,422.84	2,369.76	15.14	11.61	12.48	-1,009.75	416.63	372.42	348.46	23.97	15.539		
2,700.00	2,542.25	2,519.11	2,463.99	15.87	12.08	15.34	-1,029.28	413.85	347.44	322.46	24.97	13.914		
2,800.00	2,631.92	2,610.49	2,553.25	16.59	12.53	18.60	-1,048.57	410.44	324.08	298.07	26.01	12.458		
2,900.00	2,721.59	2,708.16	2,648.62	17.32	13.01	22.62	-1,069.24	406.55	302.06	274.94	27.11	11.141		
3,000.00	2,811.26	2,802.43	2,740.76	18.05	13.48	27.09	-1,088.79	402.71	281.26	252.99	28.28	9.947		
3,100.00	2,900.93	2,890.07	2,826.08	18.78	13.93	31.67	-1,108.57	399.59	264.22	234.72	29.50	8.955		
3,200.00	2,990.60	2,981.99	2,915.07	19.51	14.40	36.75	-1,131.47	397.09	251.63	220.81	30.82	8.165		
3,300.00	3,080.28	3,087.16	3,017.19	20.25	14.94	43.19	-1,156.40	394.19	240.39	208.07	32.32	7.438		
3,400.00	3,169.95	3,185.95	3,113.77	20.99	15.44	50.04	-1,176.97	391.38	229.52	195.62	33.90	6.771		
3,500.00	3,259.62	3,280.60	3,206.27	21.73	15.91	57.07	-1,196.88	388.72	222.39	186.85	35.54	6.257		
3,600.00	3,349.29	3,381.56	3,305.36	22.47	16.40	64.99	-1,216.13	387.08	216.93	179.66	37.27	5.821		
3,659.58	3,402.71	3,435.35	3,358.20	22.91	16.66	69.46	-1,226.08	385.80	215.76	177.50	38.26	5.640 CC		
3,700.00	3,438.96	3,473.54	3,395.68	23.21	16.85	72.66	-1,233.29	384.59	216.20	177.27	38.93	5.554 ES		
3,800.00	3,528.64	3,569.25	3,489.58	23.95	17.32	80.38	-1,251.68	382.32	220.05	179.55	40.50	5.433 SF		
3,900.00	3,618.31	3,662.01	3,580.45	24.69	17.78	87.35	-1,270.22	380.16	228.37	186.48	41.89	5.452		
4,000.00	3,707.98	3,755.01	3,671.39	25.44	18.25	93.79	-1,289.36	376.63	241.75	198.63	43.12	5.606		
4,100.00	3,797.65	3,851.32	3,765.83	26.18	18.73	99.99	-1,307.96	373.34	257.52	213.24	44.28	5.815		
4,200.00	3,887.32	3,940.11	3,852.48	26.93	19.17	104.72	-1,326.88	369.35	277.31	232.10	45.20	6.135		
4,300.00	3,976.99	4,033.24	3,942.80	27.68	19.66	108.65	-1,348.86	363.75	300.62	254.43	46.19	6.508		
4,400.00	4,066.67	4,135.50	4,041.59	28.42	20.20	111.99	-1,374.86	359.24	323.69	276.29	47.40	6.829		
4,500.00	4,156.34	4,232.73	4,135.44	29.17	20.72	114.66	-1,400.04	355.64	346.91	298.43	48.48	7.156		
4,600.00	4,246.01	4,331.83	4,231.85	29.92	21.23	117.51	-1,422.81	353.00	369.92	320.38	49.54	7.467		
4,700.00	4,335.68	4,426.20	4,324.23	30.67	21.71	120.30	-1,441.95	350.92	393.52	343.07	50.45	7.799		
4,800.00	4,425.35	4,519.11	4,415.24	31.42	22.17	122.78	-1,460.46	348.33	418.55	367.22	51.33	8.154		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,515.03	4,613.77	4,508.18	32.17	22.64	125.17	-1,478.22	345.63	444.57	392.35	52.22	8.513		
5,000.00	4,604.70	4,708.37	4,600.94	32.92	23.11	127.24	-1,496.52	342.82	471.24	418.11	53.13	8.870		
5,100.00	4,694.37	4,804.74	4,695.16	33.67	23.60	128.94	-1,516.51	339.45	498.56	444.46	54.10	9.215		
5,200.00	4,784.04	4,904.10	4,792.49	34.42	24.10	130.63	-1,536.35	337.07	525.45	470.34	55.11	9.534		
5,300.00	4,873.71	4,998.88	4,885.20	35.17	24.57	132.03	-1,555.94	334.87	552.44	496.37	56.06	9.854		
5,400.00	4,963.38	5,090.51	4,974.42	35.92	25.05	133.05	-1,576.58	331.78	580.05	523.05	57.00	10.176		
5,500.00	5,053.06	5,183.23	5,064.72	36.67	25.52	133.99	-1,597.25	327.93	608.62	550.65	57.97	10.500		
5,600.00	5,142.73	5,280.02	5,159.49	37.43	26.01	135.11	-1,616.62	324.90	637.20	578.25	58.96	10.808		
5,700.00	5,232.40	5,367.11	5,245.56	38.18	26.42	136.44	-1,629.86	323.66	666.28	606.57	59.71	11.159		
5,800.00	5,322.07	5,444.82	5,322.69	38.93	26.77	137.72	-1,639.10	321.84	697.73	637.49	60.24	11.582		
5,900.00	5,411.74	5,529.28	5,406.77	39.68	27.14	139.19	-1,646.66	319.46	731.20	670.34	60.85	12.016		
6,000.00	5,501.42	5,624.48	5,501.74	40.44	27.54	140.89	-1,652.89	317.61	765.44	703.82	61.62	12.422		
6,100.00	5,591.09	5,705.37	5,582.51	41.19	27.87	142.29	-1,657.06	316.16	800.70	738.58	62.13	12.889		
6,200.00	5,680.76	5,792.15	5,669.21	41.94	28.22	143.75	-1,660.40	314.37	837.29	774.56	62.73	13.347		
6,300.00	5,770.43	5,890.49	5,767.53	42.70	28.61	145.41	-1,662.62	313.43	874.29	810.77	63.52	13.764		
6,400.00	5,860.10	5,995.58	5,872.58	43.45	29.02	147.08	-1,664.94	314.11	910.61	846.19	64.42	14.136		
6,500.00	5,949.77	6,083.29	5,960.25	44.20	29.37	148.36	-1,667.35	315.07	946.80	881.75	65.05	14.555		
6,600.00	6,039.45	6,172.42	6,049.35	44.96	29.72	149.58	-1,669.41	316.01	983.67	917.96	65.71	14.969		
6,700.00	6,129.12	6,263.54	6,140.45	45.71	30.08	150.74	-1,671.62	316.82	1,021.00	954.58	66.43	15.371		
6,800.00	6,218.79	6,346.54	6,223.42	46.46	30.40	151.73	-1,673.41	317.45	1,058.93	991.91	67.02	15.801		
6,900.00	6,308.46	6,433.16	6,310.02	47.22	30.75	152.71	-1,674.85	317.66	1,097.79	1,030.12	67.68	16.221		
6,969.86	6,371.11	7,888.87	7,218.26	47.75	38.12	-160.60	-1,698.62	1,210.58	1,099.84	1,036.49	63.36	17.360		
7,000.00	6,398.25	7,894.11	7,218.35	47.97	38.21	-164.18	-1,698.89	1,215.81	1,086.37	1,021.77	64.60	16.816		
7,050.00	6,443.70	7,900.19	7,218.46	48.31	38.31	-171.23	-1,699.19	1,221.89	1,065.33	998.69	66.64	15.986		
7,100.00	6,489.42	7,903.03	7,218.51	48.61	38.36	-179.31	-1,699.32	1,224.73	1,046.18	977.56	68.62	15.247		
7,150.00	6,535.12	7,902.66	7,218.50	48.87	38.35	172.21	-1,699.30	1,224.35	1,029.16	958.67	70.49	14.600		
7,200.00	6,580.53	7,899.10	7,218.44	49.09	38.29	163.97	-1,699.13	1,220.80	1,014.50	942.27	72.23	14.045		
7,250.00	6,625.36	7,892.42	7,218.32	49.27	38.18	156.40	-1,698.80	1,214.13	1,002.35	928.54	73.81	13.580		
7,300.00	6,669.35	7,882.63	7,218.15	49.42	38.03	149.64	-1,698.29	1,204.35	992.80	917.59	75.21	13.201		
7,350.00	6,712.21	7,869.72	7,217.93	49.55	37.84	143.67	-1,697.59	1,191.46	985.86	909.46	76.41	12.903		
7,400.00	6,753.69	7,853.83	7,217.69	49.65	37.61	138.37	-1,696.68	1,175.60	981.50	904.10	77.40	12.681		
7,450.00	6,793.52	7,835.05	7,217.43	49.73	37.33	133.60	-1,695.53	1,156.86	979.60	901.42	78.18	12.530		
7,466.10	6,805.96	7,828.41	7,217.35	49.76	37.24	132.15	-1,695.11	1,150.23	979.48	901.09	78.39	12.495		
7,500.00	6,831.47	7,813.51	7,217.17	49.81	37.02	129.24	-1,694.13	1,135.37	979.98	901.22	78.76	12.443		
7,550.00	6,867.30	7,774.86	7,216.77	49.88	36.49	124.54	-1,691.52	1,096.80	982.39	903.51	78.87	12.455		
7,600.00	6,900.78	7,769.84	7,214.81	49.95	35.31	117.95	-1,689.10	1,001.86	984.81	907.01	77.80	12.657		
7,650.00	6,931.72	7,762.33	7,208.82	50.03	34.71	113.50	-1,688.44	946.70	987.11	909.65	77.46	12.744		
7,700.00	6,959.92	7,758.31	7,199.71	50.11	34.30	109.74	-1,687.48	901.61	989.80	912.56	77.23	12.815		
7,750.00	6,985.20	7,753.65	7,188.97	50.20	34.03	106.44	-1,686.38	861.38	992.96	915.92	77.05	12.888		
7,800.00	7,007.41	7,748.07	7,171.71	50.30	33.81	102.88	-1,684.76	810.70	996.43	919.82	76.61	13.006		
7,850.00	7,026.42	7,741.90	7,141.61	50.42	33.65	98.76	-1,683.57	746.28	999.18	923.40	75.78	13.186		
7,900.00	7,042.11	7,736.34	7,115.87	50.57	33.54	95.75	-1,683.35	703.94	1,001.37	926.00	75.37	13.285		
7,950.00	7,054.37	7,731.64	7,090.08	50.73	33.45	93.18	-1,683.43	668.67	1,003.29	928.22	75.07	13.365		
8,000.00	7,063.14	7,729.09	7,071.84	50.92	33.39	91.45	-1,683.48	646.71	1,005.17	929.96	75.21	13.365		
8,050.00	7,068.36	7,726.06	7,052.99	51.13	33.32	89.90	-1,683.37	625.97	1,007.10	931.67	75.44	13.350		
8,094.17	7,070.00	7,723.67	7,035.87	51.34	33.27	88.70	-1,683.15	608.61	1,008.78	933.06	75.72	13.322		
8,100.00	7,070.03	7,724.49	7,033.58	51.37	33.26	88.57	-1,683.11	606.39	1,009.00	933.24	75.76	13.318		
8,200.00	7,070.55	7,718.25	6,991.92	51.94	33.12	86.19	-1,682.26	568.64	1,016.11	939.59	76.52	13.279		
8,300.00	7,071.07	7,713.00	6,954.63	52.64	33.00	84.09	-1,681.32	538.05	1,029.49	951.92	77.57	13.272		
8,400.00	7,071.60	7,708.95	6,916.87	53.49	32.88	81.98	-1,680.23	510.00	1,049.48	970.79	78.69	13.337		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,500.00	7,072.12	7,043.96	6,884.55	54.50	32.77	80.19	-1,679.22	488.23	1,076.20	996.17	80.03	13.447		
8,600.00	7,072.64	7,002.55	6,849.43	55.69	32.65	78.28	-1,678.04	466.32	1,109.41	1,028.18	81.23	13.658		
8,700.00	7,073.17	6,961.03	6,813.86	57.04	32.53	76.37	-1,676.79	444.94	1,148.48	1,066.15	82.33	13.950		
8,800.00	7,073.69	6,924.56	6,782.29	58.55	32.43	74.71	-1,675.66	426.70	1,192.98	1,109.52	83.46	14.294		
8,900.00	7,074.21	6,895.45	6,756.59	60.21	32.34	73.37	-1,674.96	413.06	1,242.70	1,158.04	84.67	14.678		
9,000.00	7,074.74	6,870.11	6,733.81	61.99	32.26	72.20	-1,674.53	401.97	1,297.30	1,211.49	85.81	15.118		
9,100.00	7,075.26	6,846.00	6,711.81	63.88	32.19	71.09	-1,674.28	392.12	1,356.34	1,269.52	86.82	15.622		
9,200.00	7,075.78	6,823.66	6,691.20	65.87	32.12	70.05	-1,674.19	383.49	1,419.34	1,331.62	87.73	16.179		
9,300.00	7,076.30	6,801.33	6,670.44	67.95	32.04	69.02	-1,674.23	375.28	1,485.82	1,397.33	88.49	16.790		
9,400.00	7,076.83	6,781.08	6,651.48	70.09	31.98	68.09	-1,674.38	368.17	1,555.40	1,466.23	89.18	17.442		
9,500.00	7,077.35	6,752.00	6,624.04	72.30	31.89	66.76	-1,674.80	358.56	1,627.82	1,538.24	89.58	18.171		
9,600.00	7,077.87	6,752.00	6,624.04	74.57	31.89	66.76	-1,674.80	358.56	1,702.60	1,612.17	90.42	18.829		
9,700.00	7,078.40	6,752.00	6,624.04	76.88	31.89	66.76	-1,674.80	358.56	1,779.85	1,688.72	91.13	19.531		
9,800.00	7,078.92	6,722.76	6,596.21	79.24	31.79	65.43	-1,675.27	349.60	1,858.69	1,767.40	91.29	20.360		
9,900.00	7,079.44	6,711.82	6,585.74	81.63	31.75	64.94	-1,675.41	346.44	1,939.51	1,847.84	91.67	21.157		
10,000.00	7,079.97	6,701.57	6,575.90	84.06	31.72	64.49	-1,675.53	343.56	2,021.90	1,929.90	92.00	21.977		
10,100.00	7,080.49	6,691.95	6,566.64	86.52	31.69	64.06	-1,675.62	340.95	2,105.68	2,013.40	92.28	22.818		
10,200.00	7,081.01	6,657.00	6,532.82	89.01	31.57	62.53	-1,675.83	332.13	2,191.16	2,098.94	92.22	23.759		
10,300.00	7,081.54	6,657.00	6,532.82	91.52	31.57	62.53	-1,675.83	332.13	2,277.07	2,184.52	92.54	24.605		
10,400.00	7,082.06	6,657.00	6,532.82	94.05	31.57	62.53	-1,675.83	332.13	2,364.08	2,271.27	92.82	25.471		
10,500.00	7,082.58	6,657.00	6,532.82	96.61	31.57	62.53	-1,675.83	332.13	2,452.09	2,359.05	93.05	26.354		
10,600.00	7,083.10	6,657.00	6,532.82	99.18	31.57	62.53	-1,675.83	332.13	2,540.98	2,447.74	93.24	27.252		
10,700.00	7,083.63	6,657.00	6,532.82	101.77	31.57	62.53	-1,675.83	332.13	2,630.68	2,537.27	93.41	28.164		
10,800.00	7,084.15	6,657.00	6,532.82	104.38	31.57	62.53	-1,675.83	332.13	2,721.09	2,627.54	93.55	29.088		
10,900.00	7,084.67	6,657.00	6,532.82	107.00	31.57	62.53	-1,675.83	332.13	2,812.15	2,718.48	93.66	30.024		
11,000.00	7,085.20	6,657.00	6,532.82	109.63	31.57	62.53	-1,675.83	332.13	2,903.79	2,810.03	93.76	30.969		
11,100.00	7,085.72	6,657.00	6,532.82	112.27	31.57	62.53	-1,675.83	332.13	2,995.97	2,902.13	93.85	31.923		
11,200.00	7,086.24	6,657.00	6,532.82	114.93	31.57	62.53	-1,675.83	332.13	3,088.64	2,994.72	93.92	32.885		
11,300.00	7,086.77	6,657.00	6,532.82	117.59	31.57	62.53	-1,675.83	332.13	3,181.76	3,087.77	93.98	33.855		
11,400.00	7,087.29	6,657.00	6,532.82	120.27	31.57	62.53	-1,675.83	332.13	3,275.27	3,181.24	94.03	34.831		
11,500.00	7,087.81	6,657.00	6,532.82	122.95	31.57	62.53	-1,675.83	332.13	3,369.17	3,275.09	94.08	35.813		
11,600.00	7,088.33	6,657.00	6,532.82	125.64	31.57	62.53	-1,675.83	332.13	3,463.40	3,369.28	94.11	36.800		
11,700.00	7,088.86	6,657.00	6,532.82	128.34	31.57	62.53	-1,675.83	332.13	3,557.95	3,463.80	94.14	37.793		
11,800.00	7,089.38	6,657.00	6,532.82	131.05	31.57	62.53	-1,675.83	332.13	3,652.78	3,558.61	94.17	38.789		
11,900.00	7,089.90	6,657.00	6,532.82	133.76	31.57	62.53	-1,675.83	332.13	3,747.89	3,653.70	94.19	39.790		
12,000.00	7,090.43	6,657.00	6,532.82	136.49	31.57	62.53	-1,675.83	332.13	3,843.25	3,749.04	94.21	40.794		
12,100.00	7,090.95	6,657.00	6,532.82	139.21	31.57	62.53	-1,675.83	332.13	3,938.83	3,844.61	94.23	41.802		
12,200.00	7,091.47	6,657.00	6,532.82	141.94	31.57	62.53	-1,675.83	332.13	4,034.63	3,940.39	94.24	42.813		
12,300.00	7,092.00	6,615.60	6,492.21	144.68	31.42	60.75	-1,675.92	324.18	4,128.56	4,034.46	94.10	43.876		
12,400.00	7,092.52	6,614.21	6,490.83	147.42	31.42	60.69	-1,675.93	323.98	4,224.61	4,130.50	94.11	44.892		
12,500.00	7,093.04	6,612.88	6,489.52	150.17	31.41	60.63	-1,675.93	323.79	4,320.83	4,226.71	94.12	45.910		
12,600.00	7,093.57	6,611.60	6,488.25	152.92	31.41	60.58	-1,675.93	323.61	4,417.21	4,323.09	94.12	46.930		
12,700.00	7,094.09	6,610.38	6,487.04	155.67	31.40	60.52	-1,675.93	323.44	4,513.75	4,419.62	94.13	47.952		
12,800.00	7,094.61	6,609.20	6,485.88	158.43	31.40	60.47	-1,675.93	323.29	4,610.43	4,516.29	94.14	48.975		
12,900.00	7,095.13	6,608.08	6,484.76	161.19	31.40	60.43	-1,675.93	323.14	4,707.25	4,613.11	94.14	50.000		
13,000.00	7,095.66	6,606.99	6,483.68	163.96	31.39	60.38	-1,675.93	323.00	4,804.20	4,710.04	94.15	51.026		
13,100.00	7,096.18	6,605.95	6,482.64	166.73	31.39	60.34	-1,675.93	322.87	4,901.26	4,807.10	94.16	52.053		
13,200.00	7,096.70	6,563.00	6,439.85	169.50	31.24	58.54	-1,675.89	319.52	5,000.54	4,906.51	94.03	53.179		
13,256.62	7,097.00	6,563.00	6,439.85	171.07	31.24	58.54	-1,675.89	319.52	5,055.55	4,961.51	94.04	53.760		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.47	-552.65	506.99	750.05					
100.00	100.00	89.86	89.85	3.28	3.29	137.44	-552.41	507.17	749.92	743.35	6.57	114.132		
200.00	200.00	190.81	190.80	3.34	3.31	137.36	-551.57	507.82	749.74	743.10	6.64	112.851		
300.00	300.00	288.60	288.58	3.44	3.36	137.24	-550.26	508.92	749.53	742.73	6.80	110.178		
344.73	344.72	330.43	330.40	3.51	3.40	-16.33	-549.78	509.60	749.31	742.40	6.91	108.452		
400.00	399.98	382.11	382.07	3.60	3.47	-16.44	-549.30	510.63	748.34	741.28	7.07	105.919		
500.00	499.84	477.16	477.09	3.79	3.63	-16.72	-548.89	512.90	744.64	737.23	7.41	100.454		
600.00	599.45	573.51	573.42	4.02	3.82	-16.98	-549.86	514.38	738.07	730.23	7.84	94.148		
700.00	698.70	666.94	666.81	4.29	4.04	-17.18	-552.49	514.84	728.79	720.46	8.33	87.536		
800.00	797.47	756.00	755.73	4.59	4.27	-17.26	-557.46	514.11	717.29	708.43	8.86	80.963		
900.00	895.62	844.22	843.54	4.93	4.52	-17.17	-565.64	512.09	704.13	694.69	9.44	74.574		
1,000.00	993.06	932.63	931.10	5.31	4.80	-16.85	-577.14	508.16	688.95	678.88	10.07	68.399		
1,100.00	1,089.64	1,017.83	1,014.88	5.72	5.08	-16.32	-591.72	503.12	672.51	661.77	10.74	62.625		
1,200.00	1,185.27	1,112.73	1,107.86	6.16	5.42	-15.62	-609.71	496.87	653.84	642.37	11.47	57.000		
1,300.00	1,279.82	1,203.40	1,196.66	6.64	5.76	-15.02	-627.26	491.59	632.77	620.54	12.23	51.740		
1,400.00	1,373.17	1,293.45	1,284.67	7.16	6.12	-14.43	-645.64	486.74	609.59	596.58	13.02	46.825		
1,500.00	1,465.21	1,386.21	1,375.04	7.71	6.51	-13.74	-665.85	481.44	584.09	570.24	13.85	42.183		
1,600.00	1,555.84	1,483.02	1,469.21	8.31	6.93	-12.94	-687.49	475.43	555.58	540.86	14.72	37.755		
1,613.50	1,567.96	1,495.91	1,481.74	8.39	6.98	-12.82	-690.39	474.58	551.47	536.64	14.84	37.166		
1,700.00	1,645.53	1,577.68	1,561.12	8.93	7.35	-11.87	-709.10	468.71	525.03	509.44	15.60	33.667		
1,800.00	1,735.20	1,667.77	1,648.64	9.58	7.76	-10.80	-729.71	463.11	495.17	478.70	16.47	30.063		
1,900.00	1,824.87	1,761.07	1,739.42	10.25	8.19	-9.72	-750.80	458.71	466.12	448.74	17.37	26.833		
2,000.00	1,914.54	1,854.95	1,830.83	10.92	8.63	-8.60	-771.90	455.13	437.61	419.32	18.28	23.935		
2,100.00	2,004.21	1,953.61	1,927.12	11.61	9.09	-7.44	-793.25	452.35	409.12	389.91	19.21	21.294		
2,200.00	2,093.89	2,055.99	2,027.03	12.30	9.58	-5.79	-814.94	447.23	379.32	359.17	20.15	18.826		
2,300.00	2,183.56	2,152.48	2,121.26	13.01	10.04	-3.88	-834.89	441.55	348.99	327.92	21.08	16.559		
2,400.00	2,273.23	2,251.40	2,218.23	13.71	10.50	-1.79	-853.75	436.36	317.97	295.97	22.00	14.453		
2,500.00	2,362.90	2,346.95	2,312.13	14.43	10.95	0.51	-870.78	431.65	286.43	263.50	22.92	12.495		
2,600.00	2,452.57	2,441.92	2,405.47	15.14	11.40	3.31	-887.70	427.13	255.46	231.60	23.86	10.708		
2,700.00	2,542.25	2,537.34	2,499.53	15.87	11.85	6.64	-903.25	423.02	223.96	199.16	24.80	9.031		
2,800.00	2,631.92	2,629.15	2,589.82	16.59	12.28	10.88	-919.44	419.27	194.64	168.84	25.80	7.544		
2,900.00	2,721.59	2,724.41	2,683.64	17.32	12.73	16.55	-935.52	415.79	166.10	139.24	26.85	6.185		
3,000.00	2,811.26	2,816.43	2,773.98	18.05	13.17	24.56	-952.45	411.28	141.11	113.00	28.10	5.021		
3,100.00	2,900.93	2,911.76	2,867.57	18.78	13.63	35.87	-969.93	406.52	120.08	90.44	29.64	4.051		
3,200.00	2,990.60	3,007.18	2,961.34	19.51	14.09	50.81	-987.00	401.90	105.10	73.49	31.61	3.325		
3,300.00	3,080.28	3,102.45	3,055.34	20.25	14.54	69.12	-1,001.95	397.91	97.57	63.75	33.82	2.885		
3,311.37	3,090.47	3,112.83	3,065.58	20.33	14.59	71.21	-1,003.62	397.48	97.47	63.42	34.05	2.863 CC, ES, SF		
3,400.00	3,169.95	3,195.10	3,146.48	20.99	14.98	86.72	-1,018.15	393.96	102.68	67.15	35.53	2.890		
3,500.00	3,259.62	3,291.15	3,240.63	21.73	15.45	101.04	-1,036.88	390.85	116.88	60.18	36.71	3.184		
3,600.00	3,349.29	3,386.37	3,334.34	22.47	15.91	112.62	-1,053.55	388.43	136.15	98.67	37.49	3.632		
3,700.00	3,438.96	3,480.24	3,426.76	23.21	16.36	121.17	-1,069.79	385.70	160.01	121.89	38.11	4.198		
3,800.00	3,528.64	3,574.65	3,519.57	23.95	16.82	127.31	-1,086.78	382.62	186.67	147.88	38.79	4.812		
3,900.00	3,618.31	3,668.26	3,611.51	24.69	17.27	131.75	-1,104.07	379.29	215.01	175.49	39.52	5.440		
4,000.00	3,707.98	3,761.27	3,702.94	25.44	17.73	135.21	-1,120.71	375.28	245.17	204.88	40.28	6.086		
4,100.00	3,797.65	3,857.18	3,797.08	26.18	18.20	137.86	-1,138.55	371.02	275.83	234.65	41.18	6.698		
4,200.00	3,887.32	3,954.75	3,892.18	26.93	18.69	139.39	-1,159.74	365.99	306.22	264.01	42.21	7.254		
4,300.00	3,976.99	4,049.69	3,984.26	27.68	19.18	140.29	-1,182.33	361.05	335.92	292.68	43.24	7.769		
4,400.00	4,066.67	4,140.68	4,072.62	28.42	19.65	141.04	-1,203.30	355.43	366.83	322.65	44.18	8.303		
4,500.00	4,156.34	4,231.83	4,161.34	29.17	20.11	141.80	-1,223.41	349.67	398.36	353.24	45.12	8.829		
4,600.00	4,246.01	4,319.31	4,247.08	29.92	20.55	142.80	-1,239.77	343.98	431.62	385.68	45.94	9.395		
4,700.00	4,335.68	4,413.76	4,340.06	30.67	21.00	143.99	-1,255.39	338.41	465.54	418.65	46.89	9.928		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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					
4,800.00	4,425.35	4,512.34	4,437.21	31.42	21.48	145.14	-1,271.36	333.33	499.19	451.27	47.92	10.417					
4,900.00	4,515.03	4,612.99	4,536.22	32.17	21.97	146.11	-1,288.90	329.18	531.52	482.52	49.00	10.847					
5,000.00	4,604.70	4,701.59	4,623.42	32.92	22.40	146.88	-1,304.25	325.73	563.86	514.00	49.86	11.309					
5,100.00	4,694.37	4,783.20	4,703.85	33.67	22.79	147.54	-1,317.33	321.28	598.15	547.56	50.59	11.824					
5,200.00	4,784.04	4,873.30	4,792.89	34.42	23.22	148.33	-1,330.17	316.33	633.52	582.06	51.46	12.311					
5,300.00	4,873.71	4,954.74	4,873.55	35.17	23.60	149.07	-1,340.34	311.65	670.12	617.97	52.15	12.849					
5,400.00	4,963.38	5,050.05	4,968.14	35.92	24.03	149.96	-1,350.79	306.43	707.46	654.35	53.11	13.322					
5,500.00	5,053.06	5,141.35	5,058.88	36.67	24.44	150.83	-1,359.97	302.23	744.77	690.80	53.97	13.800					
5,600.00	5,142.73	5,220.81	5,137.96	37.43	24.79	151.59	-1,366.88	298.58	783.00	728.39	54.60	14.339					
5,700.00	5,232.40	5,300.49	5,217.42	38.18	25.13	152.43	-1,371.52	295.09	822.83	767.61	55.22	14.902					
5,800.00	5,322.07	5,381.14	5,298.00	38.93	25.46	153.41	-1,373.49	292.41	864.03	808.22	55.81	15.482					
5,900.00	5,411.74	5,468.28	5,385.11	39.68	25.80	154.48	-1,373.94	289.96	906.25	849.74	56.51	16.037					
6,000.00	5,501.42	5,559.89	5,476.69	40.44	26.15	155.54	-1,374.33	287.86	948.43	891.13	57.30	16.552					
6,100.00	5,591.09	5,645.53	5,562.31	41.19	26.48	156.48	-1,374.08	286.21	991.04	933.06	57.98	17.092					
6,200.00	5,680.76	5,732.08	5,648.84	41.94	26.80	157.36	-1,373.78	284.21	1,034.16	975.47	58.69	17.620					
6,300.00	5,770.43	5,823.81	5,740.54	42.70	27.14	158.27	-1,372.57	282.78	1,077.60	1,018.12	59.49	18.115					
6,400.00	5,860.10	5,930.39	5,847.12	43.45	27.52	159.33	-1,371.11	283.09	1,120.07	1,059.56	60.51	18.510					
6,500.00	5,949.77	6,019.42	5,936.14	44.20	27.84	160.14	-1,370.23	283.78	1,162.23	1,100.98	61.25	18.975					
6,600.00	6,039.45	6,103.61	6,020.33	44.96	28.15	160.85	-1,369.45	284.09	1,204.79	1,142.87	61.93	19.454					
6,700.00	6,129.12	6,181.86	6,098.56	45.71	28.43	161.45	-1,368.51	283.81	1,248.14	1,185.62	62.52	19.963					
6,800.00	6,218.79	7,742.22	7,064.25	46.46	37.65	-158.91	-1,356.28	1,170.50	1,288.59	1,221.30	67.29	19.150					
6,900.00	6,308.46	7,763.32	7,064.86	47.22	37.99	-157.95	-1,357.10	1,191.58	1,261.77	1,191.29	70.49	17.901					
6,969.86	6,371.11	7,777.25	7,065.19	47.75	38.22	-157.32	-1,357.55	1,205.50	1,247.23	1,174.65	72.58	17.184					
7,000.00	6,398.25	7,782.48	7,065.30	47.97	38.30	-161.83	-1,357.70	1,210.73	1,242.04	1,168.62	73.43	16.915					
7,050.00	6,443.70	7,788.36	7,065.41	48.31	38.40	-170.40	-1,357.85	1,216.61	1,234.93	1,160.20	74.73	16.526					
7,100.00	6,489.42	7,790.87	7,065.46	48.61	38.44	-179.93	-1,357.92	1,219.11	1,229.79	1,153.91	75.87	16.208					
7,150.00	6,535.12	7,790.14	7,065.45	48.87	38.42	170.23	-1,357.90	1,218.39	1,226.69	1,149.84	76.85	15.961					
7,199.62	6,580.18	7,786.38	7,065.38	49.09	38.36	160.80	-1,357.80	1,214.62	1,225.67	1,148.02	77.65	15.784					
7,200.00	6,580.53	7,786.34	7,065.37	49.09	38.36	160.73	-1,357.80	1,214.58	1,225.67	1,148.01	77.66	15.783					
7,250.00	6,625.36	7,779.61	7,065.24	49.27	38.25	152.01	-1,357.61	1,207.86	1,226.71	1,148.42	78.29	15.669					
7,300.00	6,669.35	7,770.13	7,065.02	49.42	38.10	144.24	-1,357.32	1,198.39	1,229.72	1,150.97	78.75	15.616					
7,350.00	6,712.21	7,758.07	7,064.72	49.55	37.90	137.38	-1,356.91	1,186.34	1,234.60	1,155.55	79.05	15.619					
7,400.00	6,753.69	7,743.59	7,064.30	49.65	37.67	131.32	-1,356.34	1,171.88	1,241.19	1,161.99	79.20	15.672					
7,450.00	6,793.52	7,726.87	7,063.74	49.73	37.40	125.92	-1,355.59	1,155.18	1,249.31	1,170.08	79.22	15.769					
7,500.00	6,831.47	7,708.06	7,063.03	49.81	37.10	121.06	-1,354.64	1,136.41	1,258.74	1,179.60	79.14	15.904					
7,550.00	6,867.30	7,681.68	7,062.00	49.88	36.70	116.43	-1,353.15	1,110.09	1,269.25	1,190.37	78.87	16.092					
7,600.00	6,900.78	7,645.00	7,061.40	49.95	36.16	111.97	-1,351.29	1,073.46	1,280.32	1,201.95	78.38	16.336					
7,650.00	6,931.72	7,602.35	7,062.01	50.03	35.54	107.85	-1,349.45	1,030.86	1,291.52	1,213.76	77.76	16.610					
7,700.00	6,959.92	7,530.72	7,062.45	50.11	34.63	103.48	-1,347.41	959.27	1,302.04	1,225.39	76.64	16.989					
7,750.00	6,985.20	7,750.00	7,047.22	50.20	36.58	97.74	-1,348.35	822.25	1,310.98	1,233.14	77.84	16.843					
7,800.00	7,007.41	7,332.10	7,033.50	50.30	32.60	94.53	-1,350.60	763.55	1,317.68	1,244.20	73.48	17.932					
7,850.00	7,026.42	7,281.45	7,017.16	50.42	32.25	91.86	-1,353.73	715.72	1,322.31	1,249.38	72.93	18.131					
7,900.00	7,042.11	7,239.05	7,001.61	50.57	32.00	89.75	-1,356.49	676.37	1,326.03	1,253.43	72.60	18.265					
7,950.00	7,054.37	7,204.01	6,987.36	50.73	31.85	88.11	-1,358.81	644.45	1,328.79	1,256.28	72.52	18.324					
8,000.00	7,063.14	7,173.77	6,973.47	50.92	31.74	86.83	-1,360.65	617.65	1,330.77	1,258.14	72.63	18.324					
8,050.00	7,068.36	7,144.42	6,958.57	51.13	31.64	85.79	-1,362.27	592.42	1,331.93	1,259.10	72.83	18.289					
8,094.17	7,070.00	7,129.00	6,950.20	51.34	31.59	85.32	-1,363.05	579.51	1,332.31	1,258.99	73.32	18.171					
8,100.00	7,070.03	7,129.00	6,950.20	51.37	31.59	85.32	-1,363.05	579.51	1,332.36	1,258.92	73.44	18.142					
8,200.00	7,070.55	7,091.81	6,928.35	51.94	31.49	84.37	-1,364.15	549.44	1,335.70	1,260.99	74.71	17.878					
8,300.00	7,071.07	7,064.56	6,910.90	52.64	31.42	83.62	-1,364.02	528.51	1,344.87	1,268.54	76.33	17.620					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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				
8,400.00	7,071.60	7,034.00	6,889.98	53.49	31.34	82.73	-1,362.94	506.28	1,359.96	1,282.03	77.93	17.452				
8,500.00	7,072.12	6,939.00	6,819.32	54.50	31.08	79.74	-1,362.24	442.90	1,378.08	1,300.07	78.01	17.665				
8,600.00	7,072.64	6,895.87	6,784.95	55.69	30.95	78.30	-1,363.36	416.87	1,400.13	1,320.77	79.36	17.643				
8,700.00	7,073.17	6,872.02	6,765.29	57.04	30.88	77.48	-1,363.58	403.38	1,428.05	1,346.91	81.14	17.599				
8,800.00	7,073.69	6,845.00	6,742.49	58.55	30.80	76.54	-1,363.48	388.89	1,461.47	1,378.70	82.77	17.658				
8,900.00	7,074.21	6,845.00	6,742.49	60.21	30.80	76.54	-1,363.48	388.89	1,500.23	1,415.34	84.89	17.672				
9,000.00	7,074.74	6,806.71	6,709.20	61.99	30.68	75.19	-1,363.03	369.97	1,543.40	1,457.37	86.03	17.941				
9,100.00	7,075.26	6,788.07	6,692.60	63.88	30.62	74.53	-1,362.78	361.50	1,591.31	1,503.85	87.45	18.196				
9,200.00	7,075.78	6,751.00	6,658.87	65.87	30.50	73.19	-1,362.21	346.15	1,643.78	1,555.41	88.37	18.601				
9,300.00	7,076.30	6,751.00	6,658.87	67.95	30.50	73.19	-1,362.21	346.15	1,699.51	1,609.63	89.89	18.907				
9,400.00	7,076.83	6,751.00	6,658.87	70.09	30.50	73.19	-1,362.21	346.15	1,759.17	1,667.95	91.22	19.285				
9,500.00	7,077.35	6,717.97	6,628.18	72.30	30.38	71.98	-1,361.91	333.93	1,821.82	1,729.96	91.85	19.834				
9,600.00	7,077.87	6,700.21	6,611.51	74.57	30.32	71.33	-1,361.95	327.85	1,887.41	1,794.78	92.63	20.375				
9,700.00	7,078.40	6,684.33	6,596.48	76.88	30.27	70.75	-1,362.11	322.70	1,955.64	1,862.30	93.34	20.951				
9,800.00	7,078.92	6,656.00	6,569.46	79.24	30.17	69.71	-1,362.66	314.20	2,026.39	1,932.62	93.77	21.610				
9,900.00	7,079.44	6,656.00	6,569.46	81.63	30.17	69.71	-1,362.66	314.20	2,099.11	2,004.58	94.53	22.206				
10,000.00	7,079.97	6,656.00	6,569.46	84.06	30.17	69.71	-1,362.66	314.20	2,174.01	2,078.82	95.19	22.839				
10,100.00	7,080.49	6,656.00	6,569.46	86.52	30.17	69.71	-1,362.66	314.20	2,250.86	2,155.10	95.76	23.505				
10,200.00	7,081.01	6,656.00	6,569.46	89.01	30.17	69.71	-1,362.66	314.20	2,329.47	2,233.21	96.25	24.201				
10,300.00	7,081.54	6,624.31	6,538.94	91.52	30.05	68.54	-1,363.39	305.71	2,408.94	2,312.60	96.34	25.005				
10,400.00	7,082.06	6,617.39	6,532.24	94.05	30.03	68.29	-1,363.53	304.00	2,490.22	2,393.57	96.66	25.764				
10,500.00	7,082.58	6,610.88	6,525.92	96.61	30.00	68.05	-1,363.65	302.44	2,572.76	2,475.82	96.94	26.541				
10,600.00	7,083.10	6,604.73	6,519.94	99.18	29.98	67.83	-1,363.76	301.01	2,656.44	2,559.26	97.18	27.336				
10,700.00	7,083.63	6,598.93	6,514.29	101.77	29.96	67.62	-1,363.86	299.69	2,741.17	2,643.78	97.39	28.146				
10,800.00	7,084.15	6,562.00	6,478.14	104.38	29.83	66.29	-1,364.34	292.16	2,827.55	2,730.25	97.30	29.060				
10,900.00	7,084.67	6,562.00	6,478.14	107.00	29.83	66.29	-1,364.34	292.16	2,913.89	2,816.37	97.52	29.880				
11,000.00	7,085.20	6,562.00	6,478.14	109.63	29.83	66.29	-1,364.34	292.16	3,001.08	2,903.37	97.71	30.714				
11,100.00	7,085.72	6,562.00	6,478.14	112.27	29.83	66.29	-1,364.34	292.16	3,089.05	2,991.17	97.88	31.561				
11,200.00	7,086.24	6,562.00	6,478.14	114.93	29.83	66.29	-1,364.34	292.16	3,177.73	3,079.71	98.02	32.419				
11,300.00	7,086.77	6,562.00	6,478.14	117.59	29.83	66.29	-1,364.34	292.16	3,267.06	3,168.92	98.15	33.288				
11,400.00	7,087.29	6,562.00	6,478.14	120.27	29.83	66.29	-1,364.34	292.16	3,357.00	3,258.74	98.26	34.166				
11,500.00	7,087.81	6,562.00	6,478.14	122.95	29.83	66.29	-1,364.34	292.16	3,447.49	3,349.14	98.35	35.053				
11,600.00	7,088.33	6,562.00	6,478.14	125.64	29.83	66.29	-1,364.34	292.16	3,538.49	3,440.06	98.43	35.948				
11,700.00	7,088.86	6,562.00	6,478.14	128.34	29.83	66.29	-1,364.34	292.16	3,629.96	3,531.46	98.51	36.851				
11,800.00	7,089.38	6,562.00	6,478.14	131.05	29.83	66.29	-1,364.34	292.16	3,721.88	3,623.31	98.57	37.760				
11,900.00	7,089.90	6,562.00	6,478.14	133.76	29.83	66.29	-1,364.34	292.16	3,814.20	3,715.58	98.62	38.675				
12,000.00	7,090.43	6,562.00	6,478.14	136.49	29.83	66.29	-1,364.34	292.16	3,906.90	3,808.23	98.67	39.597				
12,100.00	7,090.95	6,562.00	6,478.14	139.21	29.83	66.29	-1,364.34	292.16	3,999.95	3,901.24	98.71	40.523				
12,200.00	7,091.47	6,562.00	6,478.14	141.94	29.83	66.29	-1,364.34	292.16	4,093.32	3,994.58	98.74	41.454				
12,300.00	7,092.00	6,562.00	6,478.14	144.68	29.83	66.29	-1,364.34	292.16	4,187.01	4,088.24	98.77	42.390				
12,400.00	7,092.52	6,562.00	6,478.14	147.42	29.83	66.29	-1,364.34	292.16	4,280.98	4,182.18	98.80	43.330				
12,500.00	7,093.04	6,562.00	6,478.14	150.17	29.83	66.29	-1,364.34	292.16	4,375.22	4,276.39	98.82	44.274				
12,600.00	7,093.57	6,562.00	6,478.14	152.92	29.83	66.29	-1,364.34	292.16	4,469.70	4,370.86	98.84	45.221				
12,700.00	7,094.09	6,562.00	6,478.14	155.67	29.83	66.29	-1,364.34	292.16	4,564.42	4,465.57	98.86	46.171				
12,800.00	7,094.61	6,562.00	6,478.14	158.43	29.83	66.29	-1,364.34	292.16	4,659.37	4,560.50	98.87	47.125				
12,900.00	7,095.13	6,562.00	6,478.14	161.19	29.83	66.29	-1,364.34	292.16	4,754.52	4,655.63	98.89	48.081				
13,000.00	7,095.66	6,562.00	6,478.14	163.96	29.83	66.29	-1,364.34	292.16	4,849.86	4,750.97	98.90	49.040				
13,100.00	7,096.18	6,562.00	6,478.14	166.73	29.83	66.29	-1,364.34	292.16	4,945.39	4,846.49	98.91	50.000				
13,200.00	7,096.70	6,562.00	6,478.14	169.50	29.83	66.29	-1,364.34	292.16	5,041.10	4,942.18	98.92	50.963				
13,256.62	7,097.00	6,562.00	6,478.14	171.07	29.83	66.29	-1,364.34	292.16	5,095.35	4,996.43	98.92	51.510				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	129.09	-412.75	508.10	654.71					
100.00	100.00	87.08	87.07	3.28	0.19	129.06	-412.56	508.42	654.75	651.28	3.48	188.375		
200.00	200.00	176.61	176.60	3.34	0.47	128.96	-412.07	509.63	655.50	651.68	3.82	171.687		
300.00	300.00	256.12	256.03	3.44	0.83	128.78	-412.20	513.06	658.96	654.63	4.33	152.186		
400.00	399.98	335.71	335.38	3.60	1.19	-24.99	-412.96	519.07	663.89	658.99	4.89	135.745		
500.00	499.84	410.53	409.74	3.79	1.53	-25.42	-414.58	527.25	669.11	663.62	5.50	121.736		
600.00	599.45	486.61	485.00	4.02	1.88	-25.96	-417.71	537.88	674.89	668.75	6.14	109.858		
700.00	698.70	567.95	565.11	4.29	2.26	-26.56	-423.25	550.83	680.84	674.02	6.81	99.909		
800.00	797.47	655.58	651.13	4.59	2.68	-27.19	-431.74	565.25	685.95	678.44	7.51	91.308		
900.00	895.62	748.17	741.77	4.93	3.13	-27.79	-443.20	580.16	689.39	681.15	8.24	83.690		
1,000.00	993.06	851.59	842.82	5.31	3.64	-28.31	-459.47	594.95	690.32	681.30	9.02	76.537		
1,100.00	1,089.64	976.95	965.25	5.72	4.25	-28.53	-483.77	606.36	686.09	676.20	9.89	69.387		
1,200.00	1,185.27	1,112.45	1,097.58	6.16	4.86	-28.35	-512.64	608.32	673.51	662.68	10.83	62.193		
1,300.00	1,279.82	1,215.97	1,198.01	6.64	5.32	-27.93	-537.33	604.03	655.08	643.37	11.72	55.913		
1,400.00	1,373.17	1,309.91	1,288.26	7.16	5.75	-27.37	-562.70	598.01	633.86	621.25	12.61	50.271		
1,500.00	1,465.21	1,403.81	1,377.79	7.71	6.18	-26.69	-590.09	591.02	610.29	596.75	13.53	45.090		
1,600.00	1,555.84	1,497.31	1,466.60	8.31	6.63	-25.98	-618.42	583.62	584.20	569.71	14.49	40.317		
1,613.50	1,567.96	1,509.78	1,478.40	8.39	6.70	-25.88	-622.30	582.60	580.50	565.87	14.62	39.694		
1,700.00	1,645.53	1,592.79	1,556.85	8.93	7.12	-24.92	-648.51	575.56	556.77	541.30	15.47	35.983		
1,800.00	1,735.20	1,692.87	1,651.46	9.58	7.63	-23.63	-679.89	566.61	529.07	512.59	16.48	32.111		
1,900.00	1,824.87	1,790.97	1,744.59	10.25	8.15	-22.34	-709.40	557.79	500.72	483.24	17.48	28.646		
2,000.00	1,914.54	1,878.77	1,828.11	10.92	8.62	-21.13	-735.49	550.45	472.83	454.36	18.47	25.601		
2,100.00	2,004.21	1,956.29	1,901.50	11.61	9.05	-20.00	-760.08	546.16	448.45	429.01	19.44	23.067		
2,200.00	2,093.89	2,051.83	1,991.75	12.30	9.59	-18.58	-791.21	542.80	426.35	405.88	20.47	20.833		
2,300.00	2,183.56	2,149.22	2,083.94	13.01	10.14	-17.10	-822.53	540.12	404.70	383.21	21.49	18.830		
2,400.00	2,273.23	2,249.81	2,179.51	13.71	10.71	-15.53	-853.81	537.47	382.59	360.07	22.52	16.987		
2,500.00	2,362.90	2,346.74	2,271.77	14.43	11.25	-13.95	-883.41	535.45	360.68	337.14	23.54	15.323		
2,600.00	2,452.57	2,447.32	2,367.37	15.14	11.82	-11.82	-914.45	531.56	338.27	313.73	24.55	13.781		
2,700.00	2,542.25	2,543.82	2,459.25	15.87	12.37	-9.53	-943.68	527.69	315.80	290.26	25.54	12.365		
2,800.00	2,631.92	2,638.54	2,549.50	16.59	12.90	-7.13	-972.30	524.89	294.37	267.84	26.53	11.097		
2,900.00	2,721.59	2,733.66	2,640.07	17.32	13.44	-4.45	-1,001.30	522.77	274.12	246.61	27.51	9.964		
3,000.00	2,811.26	2,831.45	2,733.09	18.05	14.00	-1.35	-1,031.40	521.04	255.05	226.55	28.50	8.949		
3,100.00	2,900.93	2,928.34	2,825.09	18.78	14.55	2.74	-1,061.53	517.06	236.24	206.75	29.49	8.010		
3,200.00	2,990.60	3,022.94	2,914.67	19.51	15.10	7.44	-1,091.69	513.14	219.59	189.08	30.51	7.197		
3,300.00	3,080.28	3,119.69	3,006.09	20.25	15.66	12.93	-1,123.11	509.32	205.37	173.78	31.60	6.500		
3,400.00	3,169.95	3,216.90	3,098.14	20.99	16.23	18.94	-1,154.22	506.18	192.94	160.15	32.78	5.885		
3,500.00	3,259.62	3,313.65	3,189.72	21.73	16.79	25.67	-1,185.25	502.92	183.05	148.94	34.11	5.367		
3,600.00	3,349.29	3,412.96	3,283.83	22.47	17.36	33.55	-1,216.66	498.52	175.79	140.13	35.66	4.930		
3,700.00	3,438.96	3,512.06	3,378.28	23.21	17.93	41.82	-1,246.43	494.92	170.33	132.94	37.40	4.555		
3,800.00	3,528.64	3,611.64	3,473.54	23.95	18.49	50.23	-1,275.35	492.58	167.19	127.91	39.28	4.257		
3,854.97	3,577.93	3,664.63	3,524.32	24.36	18.79	54.69	-1,290.45	491.79	166.55	126.23	40.32	4.131 CC		
3,900.00	3,618.31	3,707.72	3,565.59	24.69	19.03	58.35	-1,302.82	491.03	166.99	125.82	41.17	4.056 ES		
4,000.00	3,707.98	3,802.42	3,656.21	25.44	19.56	66.40	-1,330.20	488.44	171.35	128.33	43.02	3.983		
4,100.00	3,797.65	3,901.89	3,751.62	26.18	20.12	74.65	-1,358.12	485.07	179.19	134.29	44.91	3.990		
4,200.00	3,887.32	3,992.40	3,838.13	26.93	20.63	81.24	-1,384.49	481.73	191.22	144.85	46.38	4.123		
4,300.00	3,976.99	4,084.58	3,925.21	27.68	21.17	86.47	-1,414.42	477.49	208.17	160.46	47.71	4.363		
4,400.00	4,066.67	4,179.30	4,013.81	28.42	21.74	90.50	-1,447.56	472.76	228.11	179.05	49.05	4.650		
4,500.00	4,156.34	4,275.33	4,102.99	29.17	22.33	93.52	-1,482.87	468.06	249.55	199.15	50.39	4.952		
4,600.00	4,246.01	4,375.18	4,195.65	29.92	22.95	96.08	-1,519.81	463.70	271.14	219.30	51.84	5.230		
4,700.00	4,335.68	4,473.01	4,286.81	30.67	23.55	98.38	-1,555.11	459.76	292.58	239.40	53.19	5.501		
4,800.00	4,425.35	4,572.15	4,379.49	31.42	24.16	100.53	-1,590.09	456.09	313.91	259.37	54.55	5.755		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
4,900.00	4,515.03	4,670.76	4,472.13	32.17	24.75	102.59	-1,623.75	452.80	335.03	279.16	55.86	5.997		
5,000.00	4,604.70	4,768.20	4,563.93	32.92	25.33	104.51	-1,656.25	449.58	356.32	299.19	57.13	6.237		
5,100.00	4,694.37	4,867.23	4,657.60	33.67	25.91	106.41	-1,688.25	446.42	377.72	319.32	58.41	6.467		
5,200.00	4,784.04	4,967.96	4,753.28	34.42	26.50	108.29	-1,719.64	443.92	398.66	338.97	59.69	6.678		
5,300.00	4,873.71	5,064.71	4,845.71	35.17	27.05	110.16	-1,748.14	441.99	419.36	358.50	60.86	6.891		
5,400.00	4,963.38	5,159.50	4,936.61	35.92	27.58	111.98	-1,774.90	439.46	441.06	379.10	61.96	7.119		
5,500.00	5,053.06	5,257.97	5,030.91	36.67	28.14	113.64	-1,803.13	436.87	463.14	400.01	63.13	7.336		
5,600.00	5,142.73	5,358.05	5,126.69	37.43	28.70	115.14	-1,832.07	434.84	484.95	420.62	64.33	7.538		
5,700.00	5,232.40	5,459.08	5,223.48	38.18	29.27	116.55	-1,861.01	433.55	506.33	440.79	65.54	7.726		
5,800.00	5,322.07	5,559.51	5,320.31	38.93	29.82	118.10	-1,887.65	433.13	527.27	460.58	66.69	7.907		
5,900.00	5,411.74	5,653.17	5,410.52	39.68	30.33	119.39	-1,912.85	432.84	548.40	480.67	67.72	8.098		
6,000.00	5,501.42	5,753.99	5,507.43	40.44	30.89	120.61	-1,940.62	432.26	569.97	501.08	68.89	8.274		
6,100.00	5,591.09	5,837.69	5,587.61	41.19	31.36	121.45	-1,964.58	431.23	592.27	522.49	69.78	8.488		
6,200.00	5,680.76	5,924.79	5,670.85	41.94	31.85	122.19	-1,990.02	428.16	616.80	546.08	70.72	8.721		
6,300.00	5,770.43	6,021.98	5,764.08	42.70	32.40	123.06	-2,017.21	424.11	642.26	570.40	71.86	8.938		
6,400.00	5,860.10	6,122.12	5,859.27	43.45	32.98	123.63	-2,048.03	420.06	667.25	594.15	73.10	9.128		
6,500.00	5,949.77	6,228.59	5,960.93	44.20	33.58	124.33	-2,079.45	416.97	691.44	617.01	74.43	9.290		
6,600.00	6,039.45	6,331.58	6,059.69	44.96	34.16	125.08	-2,108.61	415.46	714.56	638.90	75.66	9.445		
6,700.00	6,129.12	6,427.57	6,150.82	45.71	34.72	125.50	-2,138.73	413.76	737.45	660.62	76.83	9.599		
6,800.00	6,218.79	6,525.56	6,243.38	46.46	35.30	125.78	-2,170.82	411.71	760.41	682.35	78.06	9.742		
6,900.00	6,308.46	6,626.77	6,338.83	47.22	35.90	126.03	-2,204.40	409.94	782.95	703.60	79.35	9.867		
6,969.86	6,371.11	6,693.25	6,401.74	47.75	36.30	126.23	-2,225.88	408.95	798.67	718.50	80.17	9.962		
7,000.00	6,398.25	6,724.04	6,430.97	47.97	36.48	121.02	-2,235.57	408.54	804.79	724.24	80.55	9.991		
7,050.00	6,443.70	6,762.15	6,473.69	48.31	41.52	-178.13	-2,452.18	1,217.00	801.87	772.49	29.37	27.299		
7,100.00	6,489.42	6,812.68	6,233.68	48.61	41.52	-177.07	-2,452.17	1,217.53	755.54	724.63	30.90	24.450		
7,150.00	6,535.12	6,812.56	7,233.74	48.87	41.48	-177.65	-2,452.21	1,214.41	709.78	677.17	32.62	21.762		
7,200.00	6,580.53	6,811.75	7,233.89	49.09	41.42	-179.74	-2,452.34	1,206.60	664.99	630.43	34.56	19.239		
7,250.00	6,625.36	6,810.85	7,234.11	49.27	41.32	177.34	-2,452.56	1,194.71	621.51	584.75	36.76	16.907		
7,300.00	6,669.35	6,807.92	7,234.39	49.42	41.21	174.04	-2,452.90	1,178.79	579.71	540.49	39.22	14.780		
7,350.00	6,712.21	6,806.07	7,234.71	49.55	41.09	170.61	-2,453.39	1,158.95	539.94	497.98	41.96	12.869		
7,400.00	6,753.69	6,804.42	7,235.05	49.65	40.98	167.15	-2,454.07	1,135.31	502.51	457.56	44.95	11.179		
7,450.00	6,793.52	6,817.18	7,235.39	49.73	40.88	163.70	-2,454.98	1,108.09	467.71	419.54	48.17	9.709		
7,500.00	6,831.47	6,798.71	7,235.73	49.81	40.81	160.46	-2,456.01	1,079.63	435.87	384.28	51.59	8.448		
7,550.00	6,867.30	6,795.07	7,236.16	49.88	40.75	157.15	-2,457.18	1,048.02	407.28	352.14	55.14	7.387		
7,600.00	6,900.78	6,792.45	7,236.70	49.95	40.71	153.77	-2,458.47	1,013.43	382.11	323.40	58.71	6.509		
7,650.00	6,931.72	6,784.16	7,237.35	50.03	40.68	150.26	-2,459.94	975.17	360.41	298.24	62.17	5.798		
7,700.00	6,959.92	6,758.29	7,226.61	50.11	40.64	138.31	-2,469.53	850.58	339.44	273.05	66.39	5.113		
7,750.00	6,985.20	6,758.26	7,191.07	50.20	40.60	125.99	-2,480.86	758.12	310.47	237.78	72.69	4.271		
7,800.00	7,007.41	6,624.62	7,173.77	50.30	40.57	122.02	-2,482.95	729.35	282.09	206.61	75.48	3.737		
7,850.00	7,026.42	6,599.18	7,159.82	50.42	40.54	118.96	-2,483.66	708.10	257.61	180.07	77.54	3.322		
7,900.00	7,042.11	6,574.21	7,145.87	50.57	40.50	115.46	-2,483.46	687.39	238.41	159.08	79.33	3.005		
7,950.00	7,054.37	6,547.91	7,130.95	50.73	40.47	111.22	-2,482.30	665.77	225.23	144.41	80.82	2.787		
8,000.00	7,063.14	6,519.84	7,114.49	50.92	40.40	106.19	-2,479.91	643.16	218.40	136.48	81.92	2.666		
8,028.24	7,066.53	6,504.27	7,104.95	51.03	40.36	103.21	-2,478.03	630.99	217.37	134.98	82.40	2.638		
8,050.00	7,068.36	6,492.44	7,097.52	51.13	40.33	100.88	-2,476.34	621.95	217.97	135.25	82.72	2.635 SF		
8,094.17	7,070.00	6,468.83	7,082.23	51.34	40.28	96.11	-2,472.31	604.42	222.71	139.37	83.34	2.672		
8,100.00	7,070.03	6,465.77	7,080.21	51.37	40.27	95.57	-2,471.72	602.20	223.68	140.25	83.42	2.681		
8,200.00	7,070.55	6,413.18	7,043.81	51.94	40.10	86.23	-2,460.01	566.13	253.19	168.93	84.27	3.005		
8,300.00	7,071.07	6,369.43	7,011.14	52.64	39.95	78.77	-2,448.86	539.27	303.09	217.93	85.15	3.559		
8,400.00	7,071.60	6,331.82	6,981.67	53.49	39.80	72.91	-2,438.32	518.42	367.38	281.39	85.99	4.272		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,072.12	7,298.54	6,955.04	54.50	39.66	68.33	-2,428.15	501.25	440.78	354.09	86.70	5.084		
8,600.00	7,072.64	7,263.00	6,926.12	55.69	39.50	64.07	-2,416.43	484.25	520.19	433.24	86.95	5.983		
8,700.00	7,073.17	7,263.00	6,926.12	57.04	39.50	64.07	-2,416.43	484.25	604.07	515.51	88.55	6.822		
8,800.00	7,073.69	7,225.79	6,895.15	58.55	39.32	60.21	-2,403.45	468.24	690.08	601.73	88.35	7.810		
8,900.00	7,074.21	7,208.57	6,880.52	60.21	39.23	58.60	-2,397.28	461.57	778.88	690.15	88.73	8.778		
9,000.00	7,074.74	7,193.58	6,867.65	61.99	39.15	57.28	-2,391.84	456.15	869.42	780.39	89.03	9.765		
9,100.00	7,075.26	7,168.00	6,845.42	63.88	39.02	55.19	-2,382.39	447.73	961.55	872.51	89.04	10.799		
9,200.00	7,075.78	7,168.00	6,845.42	65.87	39.02	55.19	-2,382.39	447.73	1,054.34	964.90	89.44	11.788		
9,300.00	7,076.30	7,168.00	6,845.42	67.95	39.02	55.19	-2,382.39	447.73	1,148.34	1,058.63	89.71	12.800		
9,400.00	7,076.83	7,168.00	6,845.42	70.09	39.02	55.19	-2,382.39	447.73	1,243.28	1,153.38	89.90	13.830		
9,500.00	7,077.35	7,135.55	6,816.80	72.30	38.84	52.82	-2,370.27	438.41	1,337.88	1,248.13	89.75	14.907		
9,600.00	7,077.87	7,126.42	6,808.67	74.57	38.79	52.20	-2,366.86	436.03	1,433.49	1,343.68	89.81	15.962		
9,700.00	7,078.40	7,118.07	6,801.21	76.88	38.74	51.65	-2,363.75	433.95	1,529.52	1,439.66	89.86	17.021		
9,800.00	7,078.92	7,110.42	6,794.36	79.24	38.70	51.16	-2,360.89	432.12	1,625.91	1,536.01	89.90	18.085		
9,900.00	7,079.44	7,074.00	6,761.44	81.63	38.50	49.00	-2,347.32	424.48	1,723.43	1,633.67	89.77	19.199		
10,000.00	7,079.97	7,074.00	6,761.44	84.06	38.50	49.00	-2,347.32	424.48	1,820.08	1,730.23	89.85	20.257		
10,100.00	7,080.49	7,074.00	6,761.44	86.52	38.50	49.00	-2,347.32	424.48	1,917.07	1,827.16	89.91	21.321		
10,200.00	7,081.01	7,074.00	6,761.44	89.01	38.50	49.00	-2,347.32	424.48	2,014.36	1,924.40	89.96	22.391		
10,300.00	7,081.54	7,074.00	6,761.44	91.52	38.50	49.00	-2,347.32	424.48	2,111.90	2,021.90	90.00	23.465		
10,400.00	7,082.06	7,074.00	6,761.44	94.05	38.50	49.00	-2,347.32	424.48	2,209.66	2,119.63	90.03	24.543		
10,500.00	7,082.58	7,074.00	6,761.44	96.61	38.50	49.00	-2,347.32	424.48	2,307.61	2,217.55	90.06	25.624		
10,600.00	7,083.10	7,074.00	6,761.44	99.18	38.50	49.00	-2,347.32	424.48	2,405.73	2,315.66	90.08	26.708		
10,700.00	7,083.63	7,074.00	6,761.44	101.77	38.50	49.00	-2,347.32	424.48	2,504.00	2,413.91	90.09	27.794		
10,800.00	7,084.15	7,074.00	6,761.44	104.38	38.50	49.00	-2,347.32	424.48	2,602.40	2,512.30	90.10	28.882		
10,900.00	7,084.67	7,074.00	6,761.44	107.00	38.50	49.00	-2,347.32	424.48	2,700.92	2,610.81	90.11	29.972		
11,000.00	7,085.20	7,074.00	6,761.44	109.63	38.50	49.00	-2,347.32	424.48	2,799.54	2,709.42	90.12	31.064		
11,100.00	7,085.72	7,074.00	6,761.44	112.27	38.50	49.00	-2,347.32	424.48	2,898.26	2,808.13	90.13	32.156		
11,200.00	7,086.24	7,074.00	6,761.44	114.93	38.50	49.00	-2,347.32	424.48	2,997.07	2,906.93	90.14	33.249		
11,300.00	7,086.77	7,038.39	6,728.82	117.59	38.29	47.10	-2,334.30	418.58	3,095.03	3,004.92	90.11	34.347		
11,400.00	7,087.29	7,035.30	6,725.97	120.27	38.27	46.94	-2,333.19	418.13	3,193.82	3,103.70	90.12	35.440		
11,500.00	7,087.81	7,032.36	6,723.26	122.95	38.25	46.79	-2,332.15	417.72	3,292.67	3,202.54	90.13	36.533		
11,600.00	7,088.33	7,029.56	6,720.67	125.64	38.24	46.65	-2,331.15	417.34	3,391.58	3,301.44	90.14	37.627		
11,700.00	7,088.86	7,026.89	6,718.20	128.34	38.22	46.52	-2,330.20	416.98	3,490.54	3,400.39	90.15	38.720		
11,800.00	7,089.38	7,024.34	6,715.84	131.05	38.21	46.39	-2,329.30	416.65	3,589.54	3,499.39	90.16	39.814		
11,900.00	7,089.90	7,021.91	6,713.58	133.76	38.19	46.28	-2,328.44	416.34	3,688.60	3,598.43	90.17	40.907		
12,000.00	7,090.43	7,019.58	6,711.42	136.49	38.18	46.16	-2,327.62	416.04	3,787.69	3,697.51	90.18	42.001		
12,100.00	7,090.95	7,017.35	6,709.35	139.21	38.16	46.05	-2,326.84	415.77	3,886.82	3,796.63	90.19	43.094		
12,200.00	7,091.47	6,981.00	6,675.41	141.94	37.95	44.37	-2,314.37	412.12	3,986.80	3,896.62	90.18	44.207		
12,300.00	7,092.00	6,981.00	6,675.41	144.68	37.95	44.37	-2,314.37	412.12	4,085.91	3,995.71	90.20	45.297		
12,400.00	7,092.52	6,981.00	6,675.41	147.42	37.95	44.37	-2,314.37	412.12	4,185.06	4,094.84	90.22	46.387		
12,500.00	7,093.04	6,981.00	6,675.41	150.17	37.95	44.37	-2,314.37	412.12	4,284.25	4,194.01	90.24	47.477		
12,600.00	7,093.57	6,981.00	6,675.41	152.92	37.95	44.37	-2,314.37	412.12	4,383.48	4,293.22	90.26	48.566		
12,700.00	7,094.09	6,981.00	6,675.41	155.67	37.95	44.37	-2,314.37	412.12	4,482.74	4,392.46	90.28	49.655		
12,800.00	7,094.61	6,981.00	6,675.41	158.43	37.95	44.37	-2,314.37	412.12	4,582.03	4,491.74	90.30	50.744		
12,900.00	7,095.13	6,981.00	6,675.41	161.19	37.95	44.37	-2,314.37	412.12	4,681.36	4,591.04	90.32	51.831		
13,000.00	7,095.66	6,981.00	6,675.41	163.96	37.95	44.37	-2,314.37	412.12	4,780.71	4,690.37	90.34	52.919		
13,100.00	7,096.18	6,981.00	6,675.41	166.73	37.95	44.37	-2,314.37	412.12	4,880.09	4,789.72	90.36	54.005		
13,200.00	7,096.70	6,981.00	6,675.41	169.50	37.95	44.37	-2,314.37	412.12	4,979.49	4,889.10	90.39	55.091		
13,256.62	7,097.00	6,981.00	6,675.41	171.07	37.95	44.37	-2,314.37	412.12	5,035.78	4,945.38	90.40	55.706		

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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 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	124.73	-352.64	508.65	619.03					
100.00	100.00	86.05	86.05	3.28	3.29	124.76	-352.97	508.68	619.15	612.58	6.57	94.235		
200.00	200.00	182.73	182.72	3.34	3.30	124.84	-354.11	508.76	619.89	613.25	6.64	93.328		
300.00	300.00	285.38	285.36	3.44	3.37	124.95	-355.65	508.95	620.91	614.10	6.81	91.180		
400.00	399.98	389.16	389.13	3.60	3.49	-28.67	-355.44	509.32	619.56	612.47	7.09	87.445		
500.00	499.84	491.88	491.86	3.79	3.66	-29.00	-354.95	509.37	614.73	607.29	7.45	82.540		
600.00	599.45	578.22	578.20	4.02	3.84	-29.45	-354.83	509.85	607.53	599.67	7.86	77.325		
700.00	698.70	662.59	662.49	4.29	4.04	-30.20	-354.53	513.05	599.89	591.56	8.33	72.003		
800.00	797.47	746.65	746.33	4.59	4.27	-31.32	-353.67	519.07	591.87	583.00	8.86	66.766		
900.00	895.62	833.04	832.27	4.93	4.52	-32.80	-352.56	527.84	583.58	574.13	9.46	61.721		
1,000.00	993.06	928.82	927.39	5.31	4.82	-34.74	-351.47	539.01	574.30	564.19	10.12	56.777		
1,100.00	1,089.64	1,041.15	1,039.20	5.72	5.19	-37.11	-351.82	549.70	561.68	550.82	10.86	51.699		
1,200.00	1,185.27	1,161.47	1,159.36	6.16	5.61	-39.79	-353.21	555.63	543.31	531.62	11.69	46.495		
1,300.00	1,279.82	1,272.76	1,270.63	6.64	6.00	-42.77	-353.57	556.64	519.17	506.66	12.50	41.532		
1,400.00	1,373.17	1,368.01	1,365.88	7.16	6.33	-46.03	-352.92	556.31	492.15	478.84	13.31	36.979		
1,500.00	1,465.21	1,461.03	1,458.89	7.71	6.67	-49.86	-352.49	555.54	463.85	449.70	14.16	32.760		
1,600.00	1,555.84	1,549.37	1,547.23	8.31	6.99	-54.24	-352.31	554.81	435.42	420.37	15.06	28.918		
1,613.50	1,567.96	1,560.81	1,558.67	8.39	7.04	-54.87	-352.28	554.76	431.66	416.48	15.18	28.427		
1,700.00	1,645.53	1,634.66	1,632.52	8.93	7.32	-58.76	-352.12	554.87	409.18	393.16	16.01	25.551		
1,800.00	1,735.20	1,726.15	1,724.01	9.58	7.67	-64.08	-351.65	555.15	386.45	369.42	17.04	22.682		
1,900.00	1,824.87	1,814.29	1,812.15	10.25	8.01	-69.72	-351.05	555.36	367.71	349.60	18.10	20.312		
2,000.00	1,914.54	1,901.24	1,899.08	10.92	8.36	-75.79	-349.80	555.86	354.06	334.87	19.20	18.445		
2,100.00	2,004.21	1,989.37	1,987.10	11.61	8.71	-82.66	-345.58	556.21	346.64	326.35	20.29	17.082		
2,161.15	2,059.05	2,042.80	2,040.39	12.03	8.92	-87.13	-341.65	555.77	345.27	324.33	20.95	16.484 CC, ES		
2,200.00	2,093.89	2,075.63	2,073.08	12.30	9.06	-89.96	-338.70	555.26	345.87	324.53	21.34	16.206		
2,300.00	2,183.56	2,160.01	2,156.90	13.01	9.40	-97.40	-329.33	553.15	353.15	330.86	22.29	15.841 SF		
2,400.00	2,273.23	2,239.91	2,236.07	13.71	9.72	-104.40	-318.99	549.93	368.48	345.38	23.10	15.954		
2,500.00	2,362.90	2,311.84	2,307.19	14.43	10.01	-110.31	-308.37	548.03	393.14	369.44	23.70	16.587		
2,600.00	2,452.57	2,384.57	2,378.86	15.14	10.31	-115.79	-296.10	546.89	425.98	401.76	24.22	17.588		
2,700.00	2,542.25	2,452.49	2,445.52	15.87	10.59	-120.41	-283.07	546.34	465.79	441.17	24.62	18.920		
2,800.00	2,631.92	2,519.53	2,510.98	16.59	10.87	-124.43	-268.62	546.73	511.67	486.68	24.99	20.476		
2,900.00	2,721.59	2,586.36	2,575.88	17.32	11.16	-128.02	-252.71	547.07	562.21	536.85	25.36	22.170		
3,000.00	2,811.26	2,648.49	2,635.87	18.05	11.42	-130.98	-236.55	547.55	616.78	591.11	25.67	24.030		
3,100.00	2,900.93	2,717.22	2,701.85	18.78	11.71	-133.83	-217.34	548.51	674.67	648.54	26.13	25.822		
3,200.00	2,990.60	2,791.79	2,773.41	19.51	12.04	-136.59	-196.37	548.83	733.94	707.22	26.72	27.467		
3,300.00	3,080.28	2,855.94	2,834.79	20.25	12.32	-138.73	-177.71	548.44	794.96	767.81	27.15	29.284		
3,400.00	3,169.95	2,926.85	2,902.40	20.99	12.64	-140.88	-156.40	547.25	857.58	829.87	27.72	30.943		
3,500.00	3,259.62	2,997.50	2,969.73	21.73	12.97	-142.82	-135.03	545.36	921.09	892.79	28.30	32.550		
3,600.00	3,349.29	3,067.61	3,036.46	22.47	13.29	-144.50	-113.58	543.87	985.53	956.64	28.89	34.110		
3,700.00	3,438.96	3,147.49	3,112.53	23.21	13.66	-146.24	-89.35	541.56	1,050.30	1,020.63	29.67	35.401		
3,800.00	3,528.64	3,217.05	3,178.82	23.95	13.99	-147.58	-68.38	539.68	1,115.37	1,085.09	30.28	36.832		
3,900.00	3,618.31	3,302.03	3,259.86	24.69	14.39	-148.94	-42.80	538.90	1,180.75	1,149.57	31.17	37.879		
4,000.00	3,707.98	3,392.42	3,346.44	25.44	14.82	-150.24	-16.87	537.83	1,245.28	1,213.13	32.14	38.740		
4,100.00	3,797.65	3,486.27	3,436.64	26.18	15.27	-151.31	9.06	538.97	1,309.13	1,275.95	33.18	39.460		
4,200.00	3,887.32	3,563.86	3,511.47	26.93	15.64	-152.15	29.56	539.19	1,372.23	1,338.28	33.95	40.414		
4,300.00	3,976.99	3,626.70	3,571.95	27.68	15.94	-152.82	46.59	538.52	1,436.11	1,401.60	34.51	41.612		
4,400.00	4,066.67	3,727.67	3,669.36	28.42	16.42	-153.87	73.01	536.03	1,499.46	1,463.82	35.63	42.079		
4,500.00	4,156.34	3,776.87	3,716.79	29.17	16.66	-154.36	86.01	534.54	1,563.29	1,527.29	36.00	43.422		
4,600.00	4,246.01	3,827.26	3,765.13	29.92	16.91	-154.82	100.15	533.12	1,628.52	1,592.13	36.39	44.749		
4,700.00	4,335.68	3,881.38	3,816.85	30.67	17.18	-155.24	116.10	532.42	1,694.82	1,657.97	36.85	45.996		
4,800.00	4,425.35	3,936.28	3,869.08	31.42	17.45	-155.61	133.00	532.63	1,762.04	1,724.71	37.32	47.209		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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					
4,900.00	4,515.03	3,995.00	3,924.74	32.17	17.74	-155.96	151.69	533.23	1,830.06	1,792.19	37.87	48.329					
5,000.00	4,604.70	4,087.38	4,012.31	32.92	18.21	-156.45	181.06	534.77	1,898.08	1,859.15	38.93	48.761					
5,100.00	4,694.37	4,223.48	4,142.39	33.67	18.88	-157.14	221.04	536.36	1,964.21	1,923.61	40.60	48.378					
5,200.00	4,784.04	4,326.42	4,241.45	34.42	19.39	-157.66	249.02	536.51	2,028.91	1,987.14	41.77	48.575					
5,300.00	4,873.71	4,400.32	4,312.79	35.17	19.76	-158.03	268.31	535.95	2,092.94	2,050.41	42.53	49.210					
5,400.00	4,963.38	4,449.13	4,359.79	35.92	20.00	-158.28	281.48	535.21	2,157.79	2,114.84	42.95	50.237					
5,500.00	5,053.06	4,524.82	4,432.50	36.67	20.38	-158.66	302.40	533.39	2,223.32	2,179.57	43.74	50.827					
5,600.00	5,142.73	4,592.48	4,497.58	37.43	20.72	-159.01	320.77	531.05	2,288.66	2,244.24	44.42	51.518					
5,700.00	5,232.40	4,642.83	4,545.88	38.18	20.97	-159.25	334.91	529.50	2,354.73	2,309.86	44.87	52.474					
5,800.00	5,322.07	4,745.40	4,644.22	38.93	21.49	-159.70	363.88	526.49	2,420.99	2,374.95	46.04	52.586					
5,900.00	5,411.74	4,789.87	4,686.90	39.68	21.72	-159.89	376.32	525.10	2,487.08	2,440.67	46.42	53.581					
6,000.00	5,501.42	4,842.00	4,736.69	40.44	21.98	-160.10	391.67	523.66	2,554.19	2,507.29	46.90	54.458					
6,100.00	5,591.09	4,951.93	4,841.76	41.19	22.55	-160.45	423.96	522.55	2,621.18	2,573.00	48.18	54.404					
6,200.00	5,680.76	5,030.30	4,916.88	41.94	22.95	-160.69	446.27	521.89	2,687.39	2,638.36	49.03	54.815					
6,300.00	5,770.43	5,115.09	4,998.26	42.70	23.38	-160.96	470.05	520.49	2,753.43	2,703.47	49.96	55.117					
6,400.00	5,860.10	5,204.25	5,083.95	43.45	23.83	-161.23	494.62	518.74	2,819.17	2,768.23	50.94	55.343					
6,500.00	5,949.77	5,286.40	5,162.98	44.20	24.25	-161.47	516.98	517.34	2,884.64	2,832.80	51.83	55.653					
6,600.00	6,039.45	5,429.48	5,301.21	44.96	24.97	-161.83	553.87	516.17	2,948.63	2,895.13	53.49	55.122					
6,700.00	6,129.12	5,471.81	5,342.15	45.71	25.18	-161.94	564.62	515.41	3,012.74	2,958.86	53.88	55.916					
6,800.00	6,218.79	5,522.04	5,390.59	46.46	25.43	-162.08	577.83	514.07	3,077.69	3,023.33	54.37	56.612					
6,900.00	6,308.46	5,583.79	5,450.06	47.22	25.74	-162.25	594.33	512.19	3,143.08	3,088.08	55.00	57.150					
6,969.86	6,371.11	5,631.52	5,496.00	47.75	25.99	-162.38	607.19	510.56	3,188.93	3,133.44	55.50	57.461					
7,000.00	6,398.25	5,652.46	5,516.15	47.97	26.09	-169.97	612.83	509.76	3,208.67	3,152.95	55.72	57.589					
7,050.00	6,443.70	5,691.68	5,553.89	48.31	26.29	176.79	623.40	508.15	3,241.03	3,184.90	56.13	57.744					
7,100.00	6,489.42	5,749.42	5,609.50	48.61	26.59	163.25	638.75	505.81	3,272.58	3,215.82	56.76	57.654					
7,150.00	6,535.12	7,150.00	5,639.85	48.87	33.72	149.98	647.03	504.60	3,303.16	3,239.47	63.69	51.865					
7,200.00	6,580.53	5,806.30	5,664.31	49.09	26.88	137.61	653.78	503.68	3,332.83	3,275.55	57.28	58.185					
7,250.00	6,625.36	5,826.30	5,683.54	49.27	26.98	126.55	659.24	502.97	3,361.58	3,304.15	57.43	58.533					
7,300.00	6,669.35	5,845.80	5,702.26	49.42	27.08	116.98	664.67	502.30	3,389.24	3,331.66	57.58	58.864					
7,350.00	6,712.21	5,868.00	5,723.53	49.55	27.19	108.87	670.97	501.57	3,415.68	3,357.91	57.77	59.128					
7,400.00	6,753.69	5,890.87	5,745.42	49.65	27.31	102.05	677.56	500.83	3,440.74	3,382.76	57.98	59.344					
7,450.00	6,793.52	5,917.67	5,771.05	49.73	27.45	96.39	685.34	500.00	3,464.28	3,406.01	58.26	59.459					
7,500.00	6,831.47	5,943.19	5,795.44	49.81	27.59	91.65	692.79	499.23	3,486.20	3,427.65	58.56	59.535					
7,550.00	6,867.30	5,969.64	5,820.71	49.88	27.72	87.70	700.58	498.46	3,506.45	3,447.55	58.90	59.535					
7,600.00	6,900.78	6,002.35	5,851.96	49.95	27.89	84.52	710.20	497.57	3,524.89	3,465.53	59.36	59.379					
7,650.00	6,931.72	6,032.64	5,880.91	50.03	28.05	81.87	719.09	496.79	3,541.49	3,481.64	59.85	59.175					
7,700.00	6,959.92	6,122.80	5,967.26	50.11	28.52	80.60	744.95	495.15	3,556.17	3,495.02	61.15	58.153					
7,750.00	6,985.20	6,174.56	6,017.07	50.20	28.78	79.23	759.03	494.80	3,568.48	3,506.45	62.03	57.531					
7,800.00	7,007.41	6,200.35	6,041.91	50.30	28.92	77.86	765.94	494.48	3,578.93	3,516.28	62.65	57.128					
7,850.00	7,026.42	6,223.24	6,063.99	50.42	29.03	76.79	772.01	494.08	3,587.54	3,524.23	63.31	56.668					
7,900.00	7,042.11	6,242.99	6,083.03	50.57	29.13	75.98	777.22	493.64	3,594.30	3,530.30	64.01	56.155					
7,950.00	7,054.37	6,259.31	6,098.78	50.73	29.22	75.41	781.49	493.22	3,599.25	3,534.51	64.74	55.594					
8,000.00	7,063.14	8,000.00	6,088.88	50.92	38.11	74.70	778.85	493.57	3,602.46	3,528.69	73.77	48.834					
8,050.00	7,068.36	6,242.00	6,082.07	51.13	29.13	74.30	776.96	493.67	3,603.85	3,538.04	65.82	54.754					
8,094.17	7,070.00	6,242.00	6,082.07	51.34	29.13	74.26	776.96	493.67	3,603.58	3,537.11	66.47	54.211					
8,100.00	7,070.03	6,242.00	6,082.07	51.37	29.13	74.26	776.96	493.67	3,603.46	3,536.89	66.56	54.136					
8,174.03	7,070.41	6,242.00	6,082.07	51.78	29.13	74.26	776.96	493.67	3,602.70	3,534.92	67.77	53.159					
8,200.00	7,070.55	6,242.00	6,082.07	51.94	29.13	74.26	776.96	493.67	3,602.79	3,534.59	68.20	52.829					
8,300.00	7,071.07	6,242.00	6,082.07	52.64	29.13	74.26	776.96	493.67	3,604.90	3,534.91	69.99	51.509					
8,400.00	7,071.60	6,242.00	6,082.07	53.49	29.13	74.26	776.96	493.67	3,609.77	3,537.87	71.90	50.204					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,500.00	7,072.12	6,261.81	6,101.16	54.50	29.23	74.57	782.22	493.17	3,617.30	3,543.14	74.16	48.776			
8,600.00	7,072.64	6,263.31	6,102.61	55.69	29.24	74.60	782.63	493.14	3,627.66	3,551.39	76.27	47.560			
8,700.00	7,073.17	6,264.82	6,104.06	57.04	29.25	74.62	783.03	493.10	3,640.74	3,562.29	78.45	46.411			
8,800.00	7,073.69	6,266.33	6,105.52	58.55	29.25	74.65	783.44	493.06	3,656.50	3,575.85	80.66	45.334			
8,900.00	7,074.21	6,267.86	6,106.99	60.21	29.26	74.67	783.85	493.02	3,674.92	3,592.04	82.89	44.336			
9,000.00	7,074.74	6,269.40	6,108.47	61.99	29.27	74.69	784.27	492.98	3,695.96	3,610.83	85.13	43.417			
9,100.00	7,075.26	6,270.95	6,109.96	63.88	29.28	74.72	784.69	492.94	3,719.56	3,632.20	87.36	42.577			
9,200.00	7,075.78	6,272.51	6,111.46	65.87	29.29	74.74	785.11	492.90	3,745.68	3,656.10	89.58	41.814			
9,300.00	7,076.30	6,274.07	6,112.97	67.95	29.29	74.77	785.54	492.86	3,774.27	3,682.50	91.77	41.127			
9,400.00	7,076.83	6,275.65	6,114.49	70.09	29.30	74.79	785.97	492.82	3,805.27	3,711.35	93.93	40.512			
9,500.00	7,077.35	6,277.24	6,116.01	72.30	29.31	74.82	786.40	492.77	3,838.63	3,742.59	96.05	39.967			
9,600.00	7,077.87	6,278.84	6,117.55	74.57	29.32	74.84	786.84	492.73	3,874.28	3,776.16	98.12	39.486			
9,700.00	7,078.40	6,280.45	6,119.10	76.88	29.33	74.87	787.28	492.69	3,912.16	3,812.03	100.14	39.068			
9,800.00	7,078.92	6,282.07	6,120.65	79.24	29.33	74.90	787.73	492.65	3,952.21	3,850.11	102.10	38.708			
9,900.00	7,079.44	6,283.70	6,122.22	81.63	29.34	74.92	788.17	492.60	3,994.36	3,890.35	104.01	38.402			
10,000.00	7,079.97	6,285.34	6,123.80	84.06	29.35	74.95	788.63	492.56	4,038.54	3,932.68	105.86	38.148			
10,100.00	7,080.49	6,286.99	6,125.39	86.52	29.36	74.97	789.08	492.51	4,084.70	3,977.04	107.65	37.943			
10,200.00	7,081.01	6,288.66	6,126.98	89.01	29.37	75.00	789.54	492.47	4,132.75	4,023.37	109.38	37.782			
10,300.00	7,081.54	6,290.33	6,128.59	91.52	29.38	75.03	790.01	492.42	4,182.65	4,071.60	111.05	37.664			
10,400.00	7,082.06	6,292.02	6,130.21	94.05	29.39	75.05	790.47	492.38	4,234.32	4,121.66	112.66	37.586			
10,500.00	7,082.58	6,293.71	6,131.84	96.61	29.39	75.08	790.94	492.33	4,287.69	4,173.49	114.20	37.545			
10,600.00	7,083.10	6,295.42	6,133.48	99.18	29.40	75.11	791.42	492.28	4,342.71	4,227.03	115.69	37.539			
10,700.00	7,083.63	6,297.14	6,135.13	101.77	29.41	75.14	791.90	492.24	4,399.32	4,282.21	117.11	37.565			
10,800.00	7,084.15	6,298.88	6,136.80	104.38	29.42	75.16	792.38	492.19	4,457.45	4,338.97	118.48	37.622			
10,900.00	7,084.67	6,300.62	6,138.47	107.00	29.43	75.19	792.87	492.14	4,517.04	4,397.25	119.79	37.707			
11,000.00	7,085.20	6,302.38	6,140.15	109.63	29.44	75.22	793.36	492.09	4,578.05	4,457.00	121.05	37.819			
11,100.00	7,085.72	6,304.14	6,141.85	112.27	29.45	75.25	793.86	492.04	4,640.40	4,518.14	122.25	37.957			
11,200.00	7,086.24	6,305.92	6,143.56	114.93	29.46	75.28	794.36	491.99	4,704.05	4,580.64	123.41	38.118			
11,300.00	7,086.77	6,307.72	6,145.28	117.59	29.47	75.30	794.87	491.94	4,768.95	4,644.44	124.51	38.302			
11,400.00	7,087.29	6,309.52	6,147.01	120.27	29.48	75.33	795.38	491.89	4,835.04	4,709.48	125.56	38.506			
11,500.00	7,087.81	6,311.34	6,148.75	122.95	29.49	75.36	795.89	491.84	4,902.28	4,775.71	126.57	38.731			
11,600.00	7,088.33	6,313.17	6,150.51	125.64	29.50	75.39	796.41	491.78	4,970.63	4,843.09	127.54	38.973			
11,700.00	7,088.86	6,315.01	6,152.27	128.34	29.50	75.42	796.93	491.73	5,040.03	4,911.56	128.46	39.233			
11,800.00	7,089.38	6,316.87	6,154.05	131.05	29.51	75.45	797.46	491.68	5,110.44	4,981.09	129.34	39.510			
11,900.00	7,089.90	6,335.00	6,171.41	133.76	29.61	75.74	802.68	491.14	5,181.87	5,051.48	130.39	39.743			
12,000.00	7,090.43	6,335.00	6,171.41	136.49	29.61	75.74	802.68	491.14	5,254.17	5,123.00	131.17	40.056			
12,100.00	7,090.95	6,335.00	6,171.41	139.21	29.61	75.74	802.68	491.14	5,327.38	5,195.46	131.92	40.384			
12,200.00	7,091.47	6,335.00	6,171.41	141.94	29.61	75.74	802.68	491.14	5,401.44	5,268.80	132.63	40.725			
12,300.00	7,092.00	6,335.00	6,171.41	144.68	29.61	75.74	802.68	491.14	5,476.32	5,343.00	133.32	41.078			
12,400.00	7,092.52	6,335.00	6,171.41	147.42	29.61	75.74	802.68	491.14	5,552.00	5,418.03	133.97	41.443			
12,500.00	7,093.04	6,335.00	6,171.41	150.17	29.61	75.74	802.68	491.14	5,628.43	5,493.84	134.59	41.819			
12,600.00	7,093.57	6,335.00	6,171.41	152.92	29.61	75.74	802.68	491.14	5,705.60	5,570.41	135.19	42.206			
12,700.00	7,094.09	6,335.00	6,171.41	155.67	29.61	75.74	802.68	491.14	5,783.46	5,647.71	135.75	42.603			
12,800.00	7,094.61	6,337.10	6,173.42	158.43	29.62	75.77	803.29	491.08	5,861.99	5,725.67	136.32	43.001			
12,900.00	7,095.13	6,340.70	6,176.86	161.19	29.64	75.83	804.33	490.97	5,941.17	5,804.29	136.89	43.403			
13,000.00	7,095.66	6,344.33	6,180.33	163.96	29.66	75.88	805.39	490.86	6,020.97	5,883.54	137.43	43.812			
13,100.00	7,096.18	6,347.99	6,183.83	166.73	29.68	75.94	806.45	490.74	6,101.36	5,963.41	137.95	44.230			
13,200.00	7,096.70	6,351.69	6,187.36	169.50	29.70	76.00	807.53	490.63	6,182.32	6,043.87	138.44	44.656			
13,256.62	7,097.00	6,353.79	6,189.38	171.07	29.71	76.04	808.14	490.56	6,228.40	6,089.68	138.72	44.900			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	123.18	-332.60	508.65	607.84					
100.00	100.00	94.13	94.12	3.28	3.29	123.11	-331.80	508.70	607.37	600.79	6.57	92.424		
200.00	200.00	199.82	199.78	3.34	3.31	122.88	-329.00	508.86	606.05	599.41	6.65	91.164		
300.00	300.00	296.27	296.16	3.44	3.38	122.58	-325.42	509.22	604.36	597.54	6.82	88.599		
400.00	399.98	388.31	388.18	3.60	3.49	-31.18	-323.67	509.74	602.32	595.24	7.09	85.002		
500.00	499.84	479.38	479.24	3.79	3.64	-31.38	-324.70	510.01	598.70	591.28	7.43	80.620		
600.00	599.45	576.52	576.36	4.02	3.83	-31.79	-326.41	511.22	593.26	585.40	7.85	75.527		
700.00	698.70	669.60	669.38	4.29	4.06	-32.62	-326.20	514.00	585.36	577.01	8.35	70.112		
800.00	797.47	758.84	758.46	4.59	4.30	-33.89	-324.41	519.13	576.17	567.28	8.90	64.768		
900.00	895.62	846.85	846.05	4.93	4.56	-35.65	-320.91	526.89	566.22	556.73	9.49	59.644		
1,000.00	993.06	940.52	939.05	5.31	4.86	-37.96	-316.27	537.09	555.54	545.38	10.15	54.718		
1,100.00	1,089.64	1,040.19	1,038.12	5.72	5.19	-40.66	-312.27	547.30	542.92	532.05	10.87	49.932		
1,200.00	1,185.27	1,148.83	1,146.32	6.16	5.57	-43.89	-308.82	556.36	527.46	515.79	11.67	45.211		
1,300.00	1,279.82	1,256.44	1,253.73	6.64	5.96	-47.49	-305.97	562.07	508.26	495.76	12.50	40.663		
1,400.00	1,373.17	1,370.43	1,367.68	7.16	6.38	-51.82	-303.90	563.58	484.88	471.51	13.38	36.244		
1,500.00	1,465.21	1,470.91	1,468.13	7.71	6.74	-56.27	-303.40	561.35	458.36	444.11	14.25	32.160		
1,600.00	1,555.84	1,559.89	1,557.06	8.31	7.06	-60.90	-303.99	558.40	431.46	416.30	15.16	28.464		
1,613.50	1,567.96	1,570.88	1,568.05	8.39	7.10	-61.54	-304.07	558.09	427.97	412.69	15.29	27.999		
1,700.00	1,645.53	1,642.21	1,639.36	8.93	7.36	-65.47	-304.41	556.78	407.68	391.57	16.12	25.298		
1,800.00	1,735.20	1,729.02	1,726.16	9.58	7.69	-70.70	-304.49	556.08	388.68	371.55	17.13	22.691		
1,900.00	1,824.87	1,816.90	1,814.05	10.25	8.03	-76.43	-304.02	555.75	374.51	356.33	18.18	20.597		
2,000.00	1,914.54	1,905.15	1,902.28	10.92	8.37	-82.63	-302.44	555.44	365.71	346.45	19.25	18.995		
2,087.53	1,993.03	1,979.99	1,977.06	11.52	8.67	-88.22	-299.58	554.92	363.03	342.86	20.17	17.998 CC		
2,100.00	2,004.21	1,990.49	1,987.55	11.61	8.71	-89.02	-299.09	554.86	363.09	342.79	20.30	17.888 ES		
2,200.00	2,093.89	2,073.38	2,070.30	12.30	9.05	-95.40	-294.30	554.42	367.70	346.42	21.28	17.281		
2,300.00	2,183.56	2,154.58	2,151.21	13.01	9.38	-101.69	-287.49	553.84	380.04	357.88	22.16	17.148 SF		
2,400.00	2,273.23	2,233.09	2,229.28	13.71	9.70	-107.59	-279.24	553.12	399.87	376.94	22.93	17.438		
2,500.00	2,362.90	2,306.31	2,301.86	14.43	10.00	-112.81	-269.62	552.75	427.43	403.88	23.56	18.144		
2,600.00	2,452.57	2,384.18	2,378.84	15.14	10.32	-117.92	-257.86	552.56	461.46	437.28	24.18	19.086		
2,700.00	2,542.25	2,459.08	2,452.71	15.87	10.63	-122.36	-245.48	552.32	500.60	475.87	24.73	20.241		
2,800.00	2,631.92	2,531.31	2,523.71	16.59	10.93	-126.23	-232.28	551.93	544.31	519.08	25.23	21.570		
2,900.00	2,721.59	2,597.34	2,588.37	17.32	11.21	-129.45	-218.88	551.28	592.18	566.54	25.64	23.096		
3,000.00	2,811.26	2,652.14	2,641.65	18.05	11.44	-131.85	-206.05	551.24	644.79	618.92	25.87	24.928		
3,100.00	2,900.93	2,704.37	2,691.96	18.78	11.66	-133.89	-192.09	551.86	701.85	675.79	26.05	26.939		
3,200.00	2,990.60	2,753.82	2,739.13	19.51	11.88	-135.65	-177.26	552.73	762.75	736.55	26.21	29.106		
3,300.00	3,080.28	2,799.14	2,781.87	20.25	12.08	-137.13	-162.25	553.62	827.07	800.77	26.30	31.446		
3,400.00	3,169.95	2,840.95	2,820.83	20.99	12.27	-138.41	-147.07	554.24	894.53	868.18	26.35	33.944		
3,500.00	3,259.62	2,885.06	2,861.41	21.73	12.47	-139.67	-129.79	554.70	964.69	938.21	26.48	36.437		
3,600.00	3,349.29	2,932.15	2,904.36	22.47	12.69	-140.91	-110.49	555.15	1,036.75	1,010.06	26.69	38.848		
3,700.00	3,438.96	3,003.05	2,968.68	23.21	13.02	-142.60	-80.65	555.48	1,110.04	1,082.66	27.38	40.538		
3,800.00	3,528.64	3,098.68	3,056.23	23.95	13.48	-144.68	-42.24	554.11	1,182.32	1,153.79	28.53	41.438		
3,900.00	3,618.31	3,175.54	3,127.20	24.69	13.86	-146.15	-12.79	552.60	1,253.59	1,224.25	29.33	42.736		
4,000.00	3,707.98	3,235.32	3,182.36	25.44	14.15	-147.19	10.24	551.22	1,325.33	1,295.49	29.84	44.408		
4,100.00	3,797.65	3,364.30	3,302.38	26.18	14.80	-149.15	57.34	548.38	1,395.77	1,364.25	31.52	44.278		
4,200.00	3,887.32	3,473.55	3,405.33	26.93	15.34	-150.56	93.86	546.20	1,464.25	1,431.42	32.83	44.601		
4,300.00	3,976.99	3,583.99	3,510.34	27.68	15.89	-151.72	128.04	545.95	1,530.90	1,496.77	34.13	44.850		
4,400.00	4,066.67	3,647.26	3,570.65	28.42	16.21	-152.21	147.03	548.01	1,596.84	1,562.10	34.74	45.969		
4,500.00	4,156.34	3,703.00	3,623.47	29.17	16.49	-152.60	164.67	550.30	1,663.97	1,628.73	35.24	47.224		
4,600.00	4,246.01	3,739.15	3,657.54	29.92	16.67	-152.84	176.66	551.74	1,732.27	1,696.83	35.44	48.873		
4,700.00	4,335.68	3,781.08	3,696.88	30.67	16.89	-153.12	191.15	552.98	1,801.87	1,766.13	35.74	50.413		
4,800.00	4,425.35	3,817.66	3,731.00	31.42	17.08	-153.37	204.31	553.68	1,872.71	1,836.75	35.96	52.077		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
4,900.00	4,515.03	3,850.35	3,761.28	32.17	17.25	-153.59	216.62	553.94	1,944.91	1,908.79	36.12	53.844		
5,000.00	4,604.70	3,889.00	3,796.79	32.92	17.45	-153.87	231.87	553.81	2,018.45	1,982.07	36.38	55.482		
5,100.00	4,694.37	3,913.79	3,819.41	33.67	17.59	-154.04	242.01	553.47	2,093.12	2,056.70	36.42	57.464		
5,200.00	4,784.04	3,945.29	3,847.98	34.42	17.76	-154.27	255.25	552.78	2,168.91	2,132.32	36.58	59.290		
5,300.00	4,873.71	3,981.00	3,880.13	35.17	17.96	-154.53	270.75	551.63	2,245.72	2,208.91	36.81	61.006		
5,400.00	4,963.38	3,981.00	3,880.13	35.92	17.96	-154.53	270.75	551.63	2,323.74	2,287.27	36.47	63.718		
5,500.00	5,053.06	4,027.90	3,921.89	36.67	18.22	-154.87	292.00	549.62	2,402.28	2,365.39	36.90	65.104		
5,600.00	5,142.73	4,074.00	3,962.36	37.43	18.48	-155.20	313.93	547.17	2,482.22	2,444.90	37.32	66.509		
5,700.00	5,232.40	4,074.00	3,962.36	38.18	18.48	-155.20	313.93	547.17	2,562.57	2,525.57	37.00	69.256		
5,800.00	5,322.07	4,109.67	3,993.36	38.93	18.69	-155.45	331.45	545.06	2,643.84	2,606.57	37.27	70.931		
5,900.00	5,411.74	4,787.96	4,612.76	39.68	22.49	-158.90	600.01	516.75	2,720.47	2,673.58	46.89	58.012		
6,000.00	5,501.42	4,866.75	4,688.18	40.44	22.90	-159.21	622.73	514.70	2,787.04	2,739.29	47.75	58.372		
6,100.00	5,591.09	4,941.69	4,759.92	41.19	23.29	-159.48	644.32	512.93	2,853.59	2,805.04	48.55	58.776		
6,200.00	5,680.76	5,016.85	4,831.87	41.94	23.69	-159.73	665.98	511.42	2,920.14	2,870.78	49.36	59.162		
6,300.00	5,770.43	5,082.44	4,894.61	42.70	24.03	-159.93	685.09	510.71	2,986.82	2,936.76	50.05	59.673		
6,400.00	5,860.10	5,110.00	4,920.95	43.45	24.18	-160.00	693.22	510.71	3,053.99	3,003.72	50.27	60.750		
6,500.00	5,949.77	5,153.00	4,961.85	44.20	24.41	-160.10	706.47	510.95	3,121.98	3,071.29	50.69	61.592		
6,600.00	6,039.45	5,204.00	5,009.91	44.96	24.68	-160.21	723.52	511.56	3,191.42	3,140.21	51.21	62.322		
6,700.00	6,129.12	5,204.00	5,009.91	45.71	24.68	-160.21	723.52	511.56	3,261.36	3,210.30	51.06	63.873		
6,800.00	6,218.79	5,241.09	5,044.60	46.46	24.89	-160.27	736.62	512.11	3,332.43	3,281.03	51.40	64.832		
6,900.00	6,308.46	5,276.16	5,077.28	47.22	25.08	-160.33	749.36	512.62	3,404.23	3,352.51	51.71	65.827		
6,969.86	6,371.11	5,301.87	5,101.14	47.75	25.22	-160.38	758.91	512.99	3,454.80	3,402.85	51.95	66.501		
7,000.00	6,398.25	5,319.76	5,117.73	47.97	25.33	-168.45	765.62	513.24	3,476.64	3,424.50	52.14	66.673		
7,050.00	6,443.70	5,349.62	5,145.40	48.31	25.49	177.51	776.83	513.68	3,512.61	3,460.15	52.46	66.958		
7,100.00	6,489.42	7,100.00	5,232.13	48.61	35.29	163.43	811.18	515.00	3,547.71	3,485.45	62.26	56.980		
7,150.00	6,535.12	5,546.92	5,329.55	48.87	26.59	150.01	847.54	516.26	3,581.27	3,526.37	54.89	65.240		
7,200.00	6,580.53	5,599.51	5,378.99	49.09	26.88	137.40	865.46	516.81	3,613.68	3,558.20	55.48	65.137		
7,250.00	6,625.36	7,250.00	5,429.48	49.27	35.92	126.29	883.19	517.84	3,644.46	3,580.18	64.28	56.698		
7,300.00	6,669.35	5,716.43	5,489.35	49.42	27.52	116.88	904.00	519.11	3,673.92	3,617.13	56.79	64.692		
7,350.00	6,712.21	5,747.04	5,518.28	49.55	27.69	108.64	913.99	519.60	3,702.04	3,644.94	57.10	64.832		
7,400.00	6,753.69	5,766.00	5,536.20	49.65	27.79	101.59	920.18	519.83	3,728.72	3,671.44	57.28	65.097		
7,450.00	6,793.52	5,766.00	5,536.20	49.73	27.79	95.41	920.18	519.83	3,754.04	3,696.81	57.23	65.591		
7,500.00	6,831.47	5,797.67	5,566.07	49.81	27.96	90.57	930.69	520.14	3,777.62	3,720.00	57.62	65.562		
7,550.00	6,867.30	5,809.76	5,577.44	49.88	28.03	86.29	934.79	520.24	3,799.68	3,741.89	57.79	65.753		
7,600.00	6,900.78	5,820.98	5,587.98	49.95	28.09	82.66	938.63	520.31	3,820.02	3,762.03	57.98	65.880		
7,650.00	6,931.72	5,831.30	5,597.66	50.03	28.15	79.60	942.20	520.37	3,838.55	3,780.33	58.22	65.932		
7,700.00	6,959.92	5,861.00	5,625.46	50.11	28.31	77.31	952.67	520.48	3,855.35	3,796.58	58.76	65.608		
7,750.00	6,985.20	5,861.00	5,625.46	50.20	28.31	75.05	952.67	520.48	3,870.00	3,811.01	58.99	65.608		
7,800.00	7,007.41	5,861.00	5,625.46	50.30	28.31	73.17	952.67	520.48	3,882.71	3,823.43	59.28	65.497		
7,850.00	7,026.42	5,865.56	5,629.72	50.42	28.34	71.71	954.30	520.49	3,893.42	3,833.71	59.71	65.207		
7,900.00	7,042.11	5,880.23	5,643.42	50.57	28.42	70.73	959.53	520.51	3,902.05	3,841.70	60.35	64.661		
7,950.00	7,054.37	5,891.89	5,654.32	50.73	28.49	70.00	963.68	520.50	3,908.56	3,847.54	61.02	64.052		
8,000.00	7,063.14	5,900.40	5,662.27	50.92	28.54	69.51	966.71	520.49	3,912.96	3,851.23	61.73	63.387		
8,050.00	7,068.36	5,905.64	5,667.17	51.13	28.56	69.25	968.57	520.48	3,915.23	3,852.76	62.47	62.676		
8,094.17	7,070.00	5,907.46	5,668.87	51.34	28.57	69.20	969.22	520.47	3,915.48	3,852.34	63.13	62.018		
8,100.00	7,070.03	5,907.52	5,668.93	51.37	28.58	69.20	969.24	520.47	3,915.41	3,852.18	63.22	61.930		
8,145.63	7,070.27	5,908.02	5,669.40	51.62	28.58	69.21	969.42	520.47	3,915.14	3,851.18	63.96	61.209		
8,200.00	7,070.55	5,908.63	5,669.97	51.94	28.58	69.22	969.63	520.47	3,915.52	3,850.67	64.85	60.381		
8,300.00	7,071.07	5,909.77	5,671.04	52.64	28.59	69.23	970.04	520.46	3,918.18	3,851.56	66.63	58.809		
8,400.00	7,071.60	5,910.95	5,672.13	53.49	28.59	69.25	970.46	520.46	3,923.39	3,854.86	68.53	57.249		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 229-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,500.00	7,072.12	5,912.16	5,673.27	54.50	28.60	69.27	970.89	520.46	3,931.14	3,860.60	70.54	55.728		
8,600.00	7,072.64	5,913.41	5,674.43	55.69	28.61	69.29	971.33	520.45	3,941.42	3,868.78	72.63	54.264		
8,700.00	7,073.17	5,914.69	5,675.64	57.04	28.62	69.30	971.79	520.45	3,954.19	3,879.40	74.79	52.873		
8,800.00	7,073.69	5,916.02	5,676.88	58.55	28.62	69.32	972.26	520.44	3,969.44	3,892.46	76.98	51.563		
8,900.00	7,074.21	5,917.39	5,678.16	60.21	28.63	69.34	972.74	520.44	3,987.15	3,907.94	79.21	50.339		
9,000.00	7,074.74	5,918.80	5,679.48	61.99	28.64	69.36	973.24	520.43	4,007.27	3,925.82	81.44	49.202		
9,100.00	7,075.26	5,920.26	5,680.84	63.88	28.65	69.39	973.76	520.42	4,029.77	3,946.08	83.68	48.154		
9,200.00	7,075.78	5,921.77	5,682.26	65.87	28.66	69.41	974.30	520.42	4,054.61	3,968.70	85.92	47.192		
9,300.00	7,076.30	5,923.33	5,683.72	67.95	28.66	69.43	974.85	520.41	4,081.76	3,993.62	88.13	46.314		
9,400.00	7,076.83	5,924.95	5,685.23	70.09	28.67	69.45	975.42	520.40	4,111.15	4,020.83	90.32	45.517		
9,500.00	7,077.35	5,926.62	5,686.79	72.30	28.68	69.48	976.01	520.39	4,142.75	4,050.27	92.48	44.796		
9,600.00	7,077.87	5,928.35	5,688.41	74.57	28.69	69.50	976.63	520.39	4,176.51	4,081.91	94.60	44.148		
9,700.00	7,078.40	5,930.15	5,690.09	76.88	28.70	69.53	977.26	520.38	4,212.37	4,115.69	96.68	43.569		
9,800.00	7,078.92	5,932.01	5,691.83	79.24	28.71	69.56	977.92	520.37	4,250.28	4,151.57	98.72	43.055		
9,900.00	7,079.44	5,933.95	5,693.64	81.63	28.72	69.59	978.61	520.35	4,290.19	4,189.48	100.70	42.602		
10,000.00	7,079.97	5,935.95	5,695.52	84.06	28.73	69.62	979.32	520.34	4,332.04	4,229.40	102.64	42.205		
10,100.00	7,080.49	5,938.04	5,697.47	86.52	28.75	69.65	980.05	520.33	4,375.77	4,271.24	104.53	41.863		
10,200.00	7,081.01	5,940.22	5,699.51	89.01	28.76	69.68	980.82	520.31	4,421.33	4,314.97	106.36	41.570		
10,300.00	7,081.54	5,942.48	5,701.62	91.52	28.77	69.71	981.62	520.30	4,468.66	4,360.53	108.13	41.325		
10,400.00	7,082.06	5,944.83	5,703.83	94.05	28.78	69.75	982.45	520.28	4,517.72	4,407.86	109.86	41.124		
10,500.00	7,082.58	5,947.29	5,706.13	96.61	28.80	69.78	983.32	520.26	4,568.43	4,456.90	111.52	40.963		
10,600.00	7,083.10	5,949.86	5,708.53	99.18	28.81	69.82	984.23	520.25	4,620.75	4,507.61	113.14	40.842		
10,700.00	7,083.63	5,952.54	5,711.03	101.77	28.83	69.86	985.18	520.22	4,674.62	4,559.93	114.70	40.756		
10,800.00	7,084.15	5,955.34	5,713.66	104.38	28.84	69.90	986.16	520.20	4,730.00	4,613.79	116.20	40.704		
10,900.00	7,084.67	5,958.28	5,716.41	107.00	28.86	69.94	987.20	520.18	4,786.82	4,669.16	117.66	40.684		
11,000.00	7,085.20	5,961.36	5,719.28	109.63	28.88	69.99	988.28	520.15	4,845.04	4,725.97	119.06	40.693		
11,100.00	7,085.72	5,964.58	5,722.31	112.27	28.90	70.03	989.42	520.12	4,904.60	4,784.18	120.42	40.730		
11,200.00	7,086.24	5,967.98	5,725.48	114.93	28.91	70.08	990.62	520.09	4,965.47	4,843.74	121.72	40.793		
11,300.00	7,086.77	5,971.54	5,728.82	117.59	28.93	70.14	991.87	520.05	5,027.58	4,904.60	122.99	40.880		
11,400.00	7,087.29	5,975.30	5,732.34	120.27	28.96	70.19	993.20	520.01	5,090.90	4,966.70	124.20	40.989		
11,500.00	7,087.81	5,979.25	5,736.01	122.95	28.98	70.24	994.60	520.00	5,155.37	5,000.39	125.44	41.108		
11,600.00	7,088.33	5,983.30	5,739.82	125.64	28.99	70.29	996.05	520.00	5,220.98	5,064.34	126.64	41.236		
11,700.00	7,088.86	5,987.45	5,743.69	128.34	29.00	70.34	997.55	520.00	5,287.67	5,129.41	127.80	41.372		
11,800.00	7,089.38	5,991.69	5,747.62	131.05	29.01	70.39	999.10	520.00	5,355.40	5,195.56	128.92	41.516		
11,900.00	7,089.90	5,996.00	5,751.61	133.76	29.02	70.44	1000.70	520.00	5,424.12	5,262.75	130.00	41.667		
12,000.00	7,090.43	5,999.44	5,755.65	136.49	29.03	70.49	1002.35	520.00	5,493.80	5,333.03	131.04	41.824		
12,100.00	7,090.95	5,999.43	5,755.90	139.21	29.02	70.09	990.79	520.09	5,564.40	5,403.34	131.06	42.458		
12,200.00	7,091.47	5,999.43	5,756.83	141.94	29.02	70.10	991.15	520.08	5,635.89	5,503.98	131.91	42.726		
12,300.00	7,092.00	5,997.43	5,757.77	144.68	29.03	70.12	991.50	520.07	5,708.24	5,575.51	132.73	43.007		
12,400.00	7,092.52	5,997.44	5,758.71	147.42	29.03	70.13	991.86	520.06	5,781.41	5,647.90	133.51	43.302		
12,500.00	7,093.04	5,997.45	5,759.65	150.17	29.04	70.15	992.22	520.05	5,855.38	5,721.11	134.27	43.610		
12,600.00	7,093.57	5,997.46	5,760.60	152.92	29.05	70.16	992.58	520.04	5,930.10	5,795.11	134.99	43.930		
12,700.00	7,094.09	5,997.48	5,761.55	155.67	29.05	70.18	992.94	520.03	6,005.57	5,869.88	135.69	44.261		
12,800.00	7,094.61	5,997.50	5,762.51	158.43	29.06	70.19	993.30	520.03	6,081.74	5,945.39	136.35	44.602		
12,900.00	7,095.13	5,997.52	5,763.47	161.19	29.06	70.21	993.66	520.02	6,158.59	6,021.60	137.00	44.954		
13,000.00	7,095.66	5,997.55	5,764.43	163.96	29.07	70.22	994.03	520.01	6,236.10	6,098.49	137.61	45.316		
13,100.00	7,096.18	5,997.58	5,765.39	166.73	29.07	70.24	994.40	520.00	6,314.24	6,176.04	138.21	45.687		
13,200.00	7,096.70	5,997.62	5,766.36	169.50	29.08	70.25	994.77	519.99	6,392.99	6,254.22	138.78	46.067		
13,256.62	7,097.00	5,980.21	5,736.91	171.07	28.98	70.26	994.98	519.98	6,437.84	6,298.75	139.09	46.286		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	0.40	120.22	0.83	120.22					
100.00	100.00	100.00	100.00	3.28	3.28	0.40	120.22	0.83	120.22	113.65	6.57	18.301		
200.00	200.00	200.00	200.00	3.34	3.34	0.40	120.22	0.83	120.22	113.55	6.67	18.014		
300.00	300.00	300.00	300.00	3.44	3.44	0.40	120.22	0.83	120.22	113.33	6.89	17.450 CC, ES		
400.00	399.98	402.43	402.41	3.60	3.60	-152.76	119.17	2.33	120.77	113.57	7.20	16.772		
500.00	499.84	504.82	504.64	3.79	3.80	-151.77	116.02	6.83	122.42	114.82	7.60	16.115		
600.00	599.45	607.10	606.51	4.02	4.05	-150.18	110.79	14.30	125.24	117.17	8.08	15.506		
700.00	698.70	709.24	707.85	4.29	4.33	-148.07	103.48	24.74	129.34	120.71	8.63	14.985		
800.00	797.47	811.18	808.47	4.59	4.64	-145.56	94.13	38.09	134.83	125.58	9.25	14.575		
900.00	895.62	912.89	908.22	4.93	5.00	-142.76	82.76	54.33	141.83	131.90	9.93	14.280		
1,000.00	993.06	1,014.02	1,006.66	5.31	5.38	-139.82	69.47	73.32	150.46	139.79	10.67	14.099		
1,100.00	1,089.64	1,113.25	1,102.94	5.72	5.79	-137.60	55.70	92.98	161.53	150.07	11.46	14.097		
1,200.00	1,185.27	1,212.25	1,199.00	6.16	6.22	-136.41	41.96	112.60	175.28	162.99	12.29	14.259		
1,300.00	1,279.82	1,310.91	1,294.73	6.64	6.66	-136.06	28.27	132.15	191.56	178.39	13.17	14.549		
1,400.00	1,373.17	1,409.11	1,390.01	7.16	7.12	-136.36	14.64	151.61	210.32	196.24	14.07	14.945		
1,500.00	1,465.21	1,506.73	1,484.73	7.71	7.58	-137.14	1.10	170.96	231.60	216.60	15.00	15.435		
1,600.00	1,555.84	1,603.65	1,578.77	8.31	8.04	-138.24	-12.35	190.17	255.49	239.53	15.96	16.010		
1,613.50	1,567.96	1,616.67	1,591.41	8.39	8.11	-138.41	-14.16	192.75	258.92	242.83	16.09	16.091		
1,700.00	1,645.53	1,700.07	1,672.33	8.93	8.52	-139.68	-25.73	209.28	281.11	264.19	16.93	16.608		
1,800.00	1,735.20	1,803.51	1,765.89	9.58	9.03	-140.92	-39.11	228.38	306.91	288.97	17.94	17.108		
1,900.00	1,824.87	1,907.09	1,859.44	10.25	9.55	-141.96	-52.49	247.49	332.82	313.86	18.97	17.548		
2,000.00	1,914.54	1,989.33	1,953.00	10.92	9.96	-142.86	-65.87	266.60	358.82	338.92	19.90	18.031		
2,100.00	2,004.21	2,085.75	2,046.55	11.61	10.45	-143.64	-79.25	285.70	384.89	363.98	20.91	18.406		
2,200.00	2,093.89	2,182.17	2,140.11	12.30	10.95	-144.31	-92.63	304.81	411.02	389.09	21.93	18.742		
2,300.00	2,183.56	2,278.59	2,233.66	13.01	11.44	-144.91	-106.01	323.92	437.20	414.24	22.96	19.044		
2,400.00	2,273.23	2,375.01	2,327.22	13.71	11.94	-145.44	-119.38	343.03	463.41	439.43	23.99	19.318		
2,500.00	2,362.90	2,471.42	2,420.77	14.43	12.45	-145.91	-132.76	362.13	489.66	464.64	25.03	19.566		
2,600.00	2,452.57	2,567.84	2,514.33	15.14	12.95	-146.34	-146.14	381.24	515.94	489.87	26.07	19.792		
2,700.00	2,542.25	2,664.26	2,607.88	15.87	13.45	-146.72	-159.52	400.35	542.24	515.12	27.11	19.998		
2,800.00	2,631.92	2,760.68	2,701.44	16.59	13.96	-147.07	-172.90	419.46	568.56	540.40	28.16	20.188		
2,900.00	2,721.59	2,857.10	2,794.99	17.32	14.47	-147.39	-186.28	438.56	594.90	565.68	29.22	20.362		
3,000.00	2,811.26	2,953.52	2,888.55	18.05	14.98	-147.68	-199.66	457.67	621.25	590.98	30.27	20.522		
3,100.00	2,900.93	3,049.94	2,982.10	18.78	15.49	-147.94	-213.04	476.78	647.62	616.29	31.33	20.671		
3,200.00	2,990.60	3,146.36	3,075.66	19.51	16.00	-148.19	-226.42	495.89	674.00	641.61	32.39	20.808		
3,300.00	3,080.28	3,242.78	3,169.21	20.25	16.51	-148.42	-239.80	514.99	700.39	666.94	33.45	20.936		
3,400.00	3,169.95	3,339.20	3,262.77	20.99	17.02	-148.63	-253.18	534.10	726.79	692.27	34.52	21.055		
3,500.00	3,259.62	3,435.61	3,356.32	21.73	17.54	-148.82	-266.56	553.21	753.20	717.61	35.59	21.166		
3,600.00	3,349.29	3,532.03	3,449.88	22.47	18.05	-149.01	-279.94	572.32	779.61	742.96	36.65	21.270		
3,700.00	3,438.96	3,628.45	3,543.43	23.21	18.57	-149.18	-293.31	591.42	806.04	768.31	37.72	21.367		
3,800.00	3,528.64	3,724.87	3,636.99	23.95	19.08	-149.34	-306.69	610.53	832.47	793.67	38.79	21.459		
3,900.00	3,618.31	3,821.29	3,730.54	24.69	19.60	-149.49	-320.07	629.64	858.90	819.03	39.87	21.545		
4,000.00	3,707.98	3,917.71	3,824.10	25.44	20.12	-149.63	-333.45	648.75	885.34	844.40	40.94	21.626		
4,100.00	3,797.65	4,014.13	3,917.65	26.18	20.63	-149.76	-346.83	667.85	911.79	869.77	42.01	21.702		
4,200.00	3,887.32	4,110.55	4,011.21	26.93	21.15	-149.89	-360.21	686.96	938.23	895.15	43.09	21.774		
4,300.00	3,976.99	4,206.97	4,104.76	27.68	21.67	-150.01	-373.59	706.07	964.69	920.52	44.17	21.843		
4,400.00	4,066.67	4,303.39	4,198.32	28.42	22.19	-150.12	-386.97	725.18	991.14	945.90	45.24	21.907		
4,500.00	4,156.34	4,400.20	4,291.87	29.17	22.71	-150.22	-400.35	744.28	1,017.60	971.28	46.32	21.968		
4,600.00	4,246.01	4,503.78	4,385.43	29.92	23.27	-150.33	-413.73	763.39	1,044.07	996.63	47.44	22.009		
4,700.00	4,335.68	4,592.64	4,478.98	30.67	23.74	-150.42	-427.11	782.50	1,070.53	1,022.05	48.48	22.083		
4,800.00	4,425.35	4,689.06	4,572.54	31.42	24.26	-150.51	-440.49	801.61	1,097.00	1,047.44	49.56	22.135		
4,900.00	4,515.03	4,785.48	4,666.09	32.17	24.78	-150.60	-453.86	820.71	1,123.47	1,072.83	50.64	22.186		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,604.70	4,881.90	4,759.65	32.92	25.30	-150.68	-467.24	839.82	1,149.95	1,098.23	51.72	22.234		
5,100.00	4,694.37	4,978.32	4,853.20	33.67	25.82	-150.76	-480.62	858.93	1,176.42	1,123.62	52.80	22.280		
5,200.00	4,784.04	5,074.74	4,946.76	34.42	26.34	-150.84	-494.00	878.04	1,202.90	1,149.01	53.88	22.323		
5,300.00	4,873.71	5,171.16	5,040.31	35.17	26.86	-150.91	-507.38	897.14	1,229.38	1,174.41	54.97	22.365		
5,400.00	4,963.38	5,267.58	5,133.87	35.92	27.39	-150.98	-520.76	916.25	1,255.86	1,199.81	56.05	22.406		
5,500.00	5,053.06	5,364.00	5,227.42	36.67	27.91	-151.05	-534.14	935.36	1,282.34	1,225.21	57.13	22.444		
5,600.00	5,142.73	5,460.41	5,320.98	37.43	28.43	-151.11	-547.52	954.47	1,308.83	1,250.61	58.22	22.481		
5,700.00	5,232.40	5,556.83	5,414.53	38.18	28.95	-151.17	-560.90	973.57	1,335.31	1,276.01	59.30	22.517		
5,800.00	5,322.07	5,653.25	5,508.09	38.93	29.47	-151.23	-574.28	992.68	1,361.80	1,301.41	60.39	22.551		
5,900.00	5,411.74	5,749.67	5,601.64	39.68	29.99	-151.29	-587.66	1,011.79	1,388.29	1,326.82	61.47	22.583		
6,000.00	5,501.42	5,846.09	5,695.20	40.44	30.51	-151.34	-601.04	1,030.89	1,414.78	1,352.22	62.56	22.615		
6,100.00	5,591.09	5,942.51	5,788.75	41.19	31.04	-151.40	-614.41	1,050.00	1,441.27	1,377.62	63.65	22.645		
6,200.00	5,680.76	6,038.93	5,882.31	41.94	31.56	-151.45	-627.79	1,069.11	1,467.76	1,403.03	64.73	22.675		
6,300.00	5,770.43	6,135.35	5,975.86	42.70	32.08	-151.50	-641.17	1,088.22	1,494.26	1,428.44	65.82	22.703		
6,400.00	5,860.10	6,231.77	6,069.42	43.45	32.60	-151.54	-654.55	1,107.32	1,520.75	1,453.84	66.91	22.730		
6,500.00	5,949.77	6,328.19	6,162.97	44.20	33.13	-151.59	-667.93	1,126.43	1,547.24	1,479.25	67.99	22.756		
6,600.00	6,039.45	6,424.60	6,256.53	44.96	33.65	-151.63	-681.31	1,145.54	1,573.74	1,504.66	69.08	22.782		
6,700.00	6,129.12	6,521.02	6,350.08	45.71	34.17	-151.68	-694.69	1,164.65	1,600.24	1,530.07	70.17	22.806		
6,800.00	6,218.79	6,617.44	6,443.64	46.46	34.69	-151.72	-708.07	1,183.75	1,626.73	1,555.48	71.26	22.830		
6,900.00	6,308.46	6,717.06	6,540.79	47.22	35.21	-151.87	-721.98	1,200.55	1,653.18	1,580.84	72.33	22.856		
6,969.86	6,371.11	6,786.56	6,609.46	47.75	35.50	-152.26	-731.85	1,203.88	1,671.53	1,598.56	72.97	22.908		
7,000.00	6,398.25	6,815.82	6,638.41	47.97	35.61	-158.45	-736.02	1,203.02	1,679.48	1,606.27	73.21	22.942		
7,050.00	6,443.70	6,863.77	6,685.66	48.31	35.77	-169.53	-742.85	1,198.70	1,692.81	1,619.24	73.57	23.009		
7,100.00	6,489.42	6,911.05	6,731.81	48.61	35.91	178.78	-749.53	1,190.93	1,706.24	1,632.33	73.91	23.085		
7,150.00	6,535.12	6,957.72	6,776.68	48.87	36.05	167.13	-756.04	1,179.90	1,719.68	1,645.44	74.24	23.165		
7,200.00	6,580.53	7,003.87	6,820.13	49.09	36.19	156.19	-762.36	1,165.75	1,733.03	1,658.48	74.55	23.247		
7,250.00	6,625.36	7,049.54	6,862.03	49.27	36.34	146.39	-768.48	1,148.65	1,746.22	1,671.35	74.86	23.325		
7,300.00	6,669.35	7,094.82	6,902.26	49.42	36.49	137.87	-774.37	1,128.75	1,759.14	1,683.95	75.19	23.397		
7,350.00	6,712.21	7,139.74	6,940.69	49.55	36.64	130.61	-780.01	1,106.19	1,771.72	1,696.20	75.52	23.459		
7,400.00	6,753.69	7,184.36	6,977.20	49.65	36.81	124.45	-785.38	1,081.14	1,783.87	1,707.99	75.88	23.509		
7,450.00	6,793.52	7,228.72	7,011.70	49.73	37.00	119.24	-790.48	1,053.72	1,795.51	1,719.25	76.27	23.543		
7,500.00	6,831.47	7,272.87	7,044.06	49.81	37.19	114.82	-795.28	1,024.10	1,806.57	1,729.89	76.69	23.558		
7,550.00	6,867.30	7,316.83	7,074.19	49.88	37.41	111.05	-799.77	992.41	1,816.98	1,739.84	77.15	23.553		
7,600.00	6,900.78	7,360.64	7,101.99	49.95	37.65	107.85	-803.94	958.83	1,826.67	1,749.01	77.65	23.523		
7,650.00	6,931.72	7,404.32	7,127.37	50.03	37.91	105.12	-807.76	923.49	1,835.57	1,757.35	78.22	23.468		
7,700.00	6,959.92	7,447.90	7,150.24	50.11	38.20	102.80	-811.23	886.57	1,843.63	1,764.79	78.84	23.384		
7,750.00	6,985.20	7,491.38	7,170.51	50.20	38.51	100.84	-814.33	848.24	1,850.81	1,771.27	79.54	23.269		
7,800.00	7,007.41	7,534.78	7,188.11	50.30	38.86	99.21	-817.05	808.67	1,857.05	1,776.74	80.31	23.124		
7,850.00	7,026.42	7,578.12	7,202.99	50.42	39.23	97.88	-819.39	768.04	1,862.32	1,781.16	81.15	22.948		
7,900.00	7,042.11	7,621.39	7,215.07	50.57	39.63	96.82	-821.33	726.55	1,866.58	1,784.51	82.07	22.743		
7,950.00	7,054.37	7,664.61	7,224.33	50.73	40.06	96.01	-822.86	684.37	1,869.81	1,786.74	83.06	22.511		
8,000.00	7,063.14	7,707.78	7,230.73	50.92	40.51	95.46	-823.99	641.70	1,871.98	1,787.86	84.12	22.253		
8,050.00	7,068.36	7,750.89	7,234.26	51.13	40.98	95.14	-824.70	598.74	1,873.09	1,787.85	85.24	21.974		
8,094.17	7,070.00	7,809.71	7,235.02	51.34	41.67	95.05	-825.00	559.35	1,873.17	1,786.64	86.54	21.645		
8,100.00	7,070.03	7,796.12	7,235.04	51.37	41.50	95.05	-825.03	553.52	1,873.13	1,786.70	86.43	21.673		
8,200.00	7,070.55	7,903.88	7,235.25	51.94	42.87	95.04	-825.54	453.53	1,872.30	1,783.12	89.18	20.995		
8,300.00	7,071.07	8,003.88	7,235.46	52.64	44.31	95.04	-826.04	353.53	1,871.48	1,779.37	92.11	20.319		
8,400.00	7,071.60	8,103.89	7,235.68	53.49	45.89	95.03	-826.55	253.54	1,870.65	1,775.37	95.28	19.632		
8,500.00	7,072.12	8,203.89	7,235.89	54.50	47.59	95.02	-827.06	153.55	1,869.83	1,771.14	98.69	18.947		
8,600.00	7,072.64	8,303.90	7,236.10	55.69	49.41	95.02	-827.57	53.55	1,869.00	1,766.70	102.30	18.270		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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		
8,700.00	7,073.17	8,403.90	7,236.31	57.04	51.33	95.01	-828.08	-46.44	1,868.18	1,762.09	106.09	17.609		
8,800.00	7,073.69	8,503.90	7,236.53	58.55	53.34	95.00	-828.59	-146.44	1,867.35	1,757.30	110.05	16.969		
8,900.00	7,074.21	8,603.91	7,236.74	60.21	55.43	94.99	-829.09	-246.43	1,866.53	1,752.38	114.15	16.352		
9,000.00	7,074.74	8,703.91	7,236.95	61.99	57.58	94.99	-829.60	-346.43	1,865.70	1,747.32	118.39	15.760		
9,100.00	7,075.26	8,803.91	7,237.17	63.88	59.80	94.98	-830.11	-446.42	1,864.88	1,742.14	122.74	15.194		
9,200.00	7,075.78	8,903.92	7,237.38	65.87	62.07	94.97	-830.62	-546.42	1,864.05	1,736.85	127.20	14.654		
9,300.00	7,076.30	9,003.92	7,237.59	67.95	64.39	94.96	-831.13	-646.41	1,863.23	1,731.47	131.76	14.142		
9,400.00	7,076.83	9,103.92	7,237.81	70.09	66.75	94.96	-831.63	-746.41	1,862.40	1,726.00	136.40	13.654		
9,500.00	7,077.35	9,203.93	7,238.02	72.30	69.15	94.95	-832.14	-846.40	1,861.58	1,720.46	141.12	13.192		
9,600.00	7,077.87	9,296.07	7,238.23	74.57	71.39	94.94	-832.65	-946.40	1,860.75	1,715.04	145.71	12.770		
9,700.00	7,078.40	9,403.94	7,238.44	76.88	74.05	94.93	-833.16	-1,046.39	1,859.93	1,709.17	150.76	12.337		
9,800.00	7,078.92	9,503.94	7,238.66	79.24	76.54	94.93	-833.67	-1,146.39	1,859.10	1,703.44	155.67	11.943		
9,900.00	7,079.44	9,603.94	7,238.87	81.63	79.06	94.92	-834.18	-1,246.38	1,858.28	1,697.65	160.63	11.569		
10,000.00	7,079.97	9,703.95	7,239.08	84.06	81.60	94.91	-834.68	-1,346.38	1,857.45	1,691.82	165.64	11.214		
10,100.00	7,080.49	9,803.95	7,239.30	86.52	84.16	94.90	-835.19	-1,446.37	1,856.63	1,685.94	170.69	10.877		
10,200.00	7,081.01	9,903.95	7,239.51	89.01	86.74	94.90	-835.70	-1,546.37	1,855.80	1,680.02	175.78	10.557		
10,300.00	7,081.54	10,003.96	7,239.72	91.52	89.34	94.89	-836.21	-1,646.36	1,854.98	1,674.07	180.91	10.253		
10,400.00	7,082.06	10,096.04	7,239.94	94.05	91.74	94.88	-836.72	-1,746.36	1,854.16	1,668.29	185.87	9.976		
10,500.00	7,082.58	10,203.97	7,240.15	96.61	94.58	94.87	-837.23	-1,846.35	1,853.33	1,662.06	191.27	9.690		
10,600.00	7,083.10	10,303.97	7,240.36	99.18	97.22	94.87	-837.73	-1,946.35	1,852.51	1,656.02	196.49	9.428		
10,700.00	7,083.63	10,396.03	7,240.57	101.77	99.66	94.86	-838.24	-2,046.34	1,851.68	1,650.16	201.52	9.188		
10,800.00	7,084.15	10,503.98	7,240.79	104.38	102.53	94.85	-838.75	-2,146.34	1,850.86	1,643.85	207.00	8.941		
10,900.00	7,084.67	10,603.98	7,241.00	107.00	105.21	94.85	-839.26	-2,246.33	1,850.03	1,637.74	212.30	8.714		
11,000.00	7,085.20	10,703.98	7,241.21	109.63	107.89	94.84	-839.77	-2,346.32	1,849.21	1,631.60	217.61	8.498		
11,100.00	7,085.72	10,803.99	7,241.43	112.27	110.59	94.83	-840.27	-2,446.32	1,848.39	1,625.44	222.94	8.291		
11,200.00	7,086.24	10,903.99	7,241.64	114.93	113.29	94.82	-840.78	-2,546.31	1,847.56	1,619.27	228.29	8.093		
11,300.00	7,086.77	11,004.00	7,241.85	117.59	115.99	94.82	-841.29	-2,646.31	1,846.74	1,613.07	233.66	7.903		
11,400.00	7,087.29	11,104.00	7,242.07	120.27	118.71	94.81	-841.80	-2,746.30	1,845.91	1,606.87	239.04	7.722		
11,500.00	7,087.81	11,204.00	7,242.28	122.95	121.43	94.80	-842.31	-2,846.30	1,845.09	1,600.65	244.44	7.548		
11,600.00	7,088.33	11,304.01	7,242.49	125.64	124.16	94.79	-842.82	-2,946.29	1,844.26	1,594.41	249.85	7.381		
11,700.00	7,088.86	11,404.01	7,242.70	128.34	126.89	94.79	-843.32	-3,046.29	1,843.44	1,588.16	255.28	7.221		
11,800.00	7,089.38	11,504.01	7,242.92	131.05	129.63	94.78	-843.83	-3,146.28	1,842.62	1,581.90	260.71	7.068		
11,900.00	7,089.90	11,604.02	7,243.13	133.76	132.38	94.77	-844.34	-3,246.28	1,841.79	1,575.63	266.16	6.920		
12,000.00	7,090.43	11,704.02	7,243.34	136.49	135.13	94.76	-844.85	-3,346.27	1,840.97	1,569.35	271.62	6.778		
12,100.00	7,090.95	11,804.02	7,243.56	139.21	137.88	94.75	-845.36	-3,446.27	1,840.14	1,563.06	277.08	6.641		
12,200.00	7,091.47	11,904.03	7,243.77	141.94	140.64	94.75	-845.87	-3,546.26	1,839.32	1,556.76	282.56	6.509		
12,300.00	7,092.00	12,004.03	7,243.98	144.68	143.40	94.74	-846.37	-3,646.26	1,838.50	1,550.45	288.05	6.383		
12,400.00	7,092.52	12,104.04	7,244.20	147.42	146.17	94.73	-846.88	-3,746.25	1,837.67	1,544.13	293.54	6.260		
12,500.00	7,093.04	12,204.04	7,244.41	150.17	148.94	94.72	-847.39	-3,846.25	1,836.85	1,537.81	299.04	6.142		
12,600.00	7,093.57	12,304.04	7,244.62	152.92	151.71	94.72	-847.90	-3,946.24	1,836.02	1,531.47	304.55	6.029		
12,700.00	7,094.09	12,404.05	7,244.83	155.67	154.48	94.71	-848.41	-4,046.24	1,835.20	1,525.13	310.07	5.919		
12,800.00	7,094.61	12,504.05	7,245.05	158.43	157.26	94.70	-848.91	-4,146.23	1,834.38	1,518.79	315.59	5.813		
12,900.00	7,095.13	12,604.05	7,245.26	161.19	160.04	94.69	-849.42	-4,246.23	1,833.55	1,512.43	321.12	5.710		
13,000.00	7,095.66	12,704.06	7,245.47	163.96	162.83	94.69	-849.93	-4,346.22	1,832.73	1,506.08	326.65	5.611		
13,100.00	7,096.18	12,804.06	7,245.69	166.73	165.61	94.68	-850.44	-4,446.22	1,831.91	1,499.71	332.20	5.515		
13,200.00	7,096.70	12,904.07	7,245.90	169.50	168.40	94.67	-850.95	-4,546.21	1,831.08	1,493.34	337.74	5.422		
13,256.62	7,097.00	12,952.55	7,246.02	171.07	169.76	94.67	-851.24	-4,602.82	1,830.62	1,489.96	340.66	5.374 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.45	105.28	0.83	105.29					
100.00	100.00	100.00	100.00	3.28	3.28	0.45	105.28	0.83	105.29	98.72	6.57	16.027		
200.00	200.00	200.00	200.00	3.34	3.34	0.45	105.28	0.83	105.29	98.61	6.67	15.776		
300.00	300.00	302.50	302.48	3.44	3.44	1.20	104.03	2.18	104.09	97.19	6.89	15.098		
400.00	399.98	404.85	404.67	3.60	3.60	-150.48	100.29	6.19	102.10	94.89	7.21	14.157		
500.00	499.84	507.02	506.43	3.79	3.81	-148.02	94.08	12.85	101.01	93.39	7.62	13.255		
557.86	557.51	566.05	565.05	3.92	3.95	-146.32	89.36	17.91	100.83	92.93	7.90	12.770 CC		
600.00	599.45	609.00	607.61	4.02	4.06	-144.96	85.41	22.15	100.93	92.82	8.11	12.444 ES		
700.00	698.70	710.76	708.05	4.29	4.36	-141.40	74.31	34.05	102.02	93.34	8.67	11.763		
800.00	797.47	812.27	807.62	4.59	4.69	-137.47	60.83	48.50	104.42	95.12	9.31	11.222		
900.00	895.62	913.52	906.16	4.93	5.07	-133.33	45.00	65.48	108.28	98.28	10.00	10.824		
1,000.00	993.06	1,014.19	1,003.30	5.31	5.48	-129.20	26.96	84.83	113.71	102.94	10.77	10.559		
1,100.00	1,089.64	1,113.73	1,099.05	5.72	5.92	-126.29	8.41	104.72	121.39	109.80	11.59	10.470		
1,200.00	1,185.27	1,213.20	1,194.73	6.16	6.38	-124.94	-10.13	124.60	131.30	118.82	12.47	10.527		
1,300.00	1,279.82	1,312.48	1,290.23	6.64	6.85	-124.90	-28.64	144.45	143.21	129.82	13.39	10.694		
1,400.00	1,373.17	1,411.46	1,385.44	7.16	7.34	-125.84	-47.08	164.23	157.14	142.79	14.35	10.954		
1,500.00	1,465.21	1,510.00	1,480.23	7.71	7.84	-127.50	-65.45	183.93	173.21	157.89	15.32	11.303		
1,600.00	1,555.84	1,607.99	1,574.49	8.31	8.34	-129.61	-83.72	203.51	191.63	175.31	16.32	11.741		
1,613.50	1,567.96	1,621.17	1,587.17	8.39	8.41	-129.92	-86.17	206.15	194.30	177.85	16.46	11.806		
1,700.00	1,645.53	1,705.59	1,668.37	8.93	8.84	-132.00	-101.91	223.02	211.74	194.41	17.33	12.218		
1,800.00	1,735.20	1,803.18	1,762.25	9.58	9.36	-134.01	-120.09	242.52	232.19	213.84	18.35	12.654		
1,900.00	1,824.87	1,900.77	1,856.12	10.25	9.88	-135.70	-138.28	262.03	252.86	233.49	19.38	13.049		
2,000.00	1,914.54	2,001.64	1,950.00	10.92	10.42	-137.13	-156.47	281.53	273.72	253.28	20.43	13.397		
2,100.00	2,004.21	2,104.06	2,043.87	11.61	10.97	-138.36	-174.66	301.04	294.71	273.21	21.50	13.706		
2,200.00	2,093.89	2,193.53	2,137.74	12.30	11.45	-139.43	-192.85	320.54	315.82	293.31	22.51	14.029		
2,300.00	2,183.56	2,308.88	2,231.62	13.01	12.08	-140.36	-211.04	340.05	337.02	313.36	23.66	14.243		
2,400.00	2,273.23	2,388.71	2,325.49	13.71	12.52	-141.18	-229.23	359.55	358.29	333.66	24.63	14.546		
2,500.00	2,362.90	2,486.30	2,419.36	14.43	13.06	-141.91	-247.42	379.06	379.63	353.93	25.70	14.772		
2,600.00	2,452.57	2,583.89	2,513.24	15.14	13.60	-142.57	-265.60	398.56	401.02	374.25	26.77	14.980		
2,700.00	2,542.25	2,681.48	2,607.11	15.87	14.14	-143.15	-283.79	418.07	422.46	394.61	27.84	15.172		
2,800.00	2,631.92	2,779.07	2,700.99	16.59	14.68	-143.68	-301.98	437.57	443.93	415.01	28.92	15.349		
2,900.00	2,721.59	2,876.65	2,794.86	17.32	15.22	-144.16	-320.17	457.08	465.44	435.43	30.00	15.512		
3,000.00	2,811.26	2,974.24	2,888.73	18.05	15.77	-144.60	-338.36	476.58	486.97	455.88	31.09	15.664		
3,100.00	2,900.93	3,071.83	2,982.61	18.78	16.31	-145.00	-356.55	496.09	508.53	476.36	32.17	15.806		
3,200.00	2,990.60	3,169.42	3,076.48	19.51	16.86	-145.37	-374.74	515.59	530.11	496.85	33.26	15.937		
3,300.00	3,080.28	3,267.01	3,170.35	20.25	17.41	-145.71	-392.93	535.10	551.71	517.36	34.35	16.060		
3,400.00	3,169.95	3,364.60	3,264.23	20.99	17.96	-146.03	-411.11	554.60	573.33	537.89	35.44	16.175		
3,500.00	3,259.62	3,462.19	3,358.10	21.73	18.50	-146.32	-429.30	574.11	594.96	558.43	36.54	16.283		
3,600.00	3,349.29	3,559.78	3,451.98	22.47	19.05	-146.59	-447.49	593.61	616.61	578.98	37.63	16.385		
3,700.00	3,438.96	3,657.36	3,545.85	23.21	19.60	-146.84	-465.68	613.12	638.27	599.54	38.73	16.480		
3,800.00	3,528.64	3,754.95	3,639.72	23.95	20.15	-147.08	-483.87	632.62	659.94	620.11	39.83	16.570		
3,900.00	3,618.31	3,852.54	3,733.60	24.69	20.71	-147.30	-502.06	652.13	681.62	640.69	40.93	16.655		
4,000.00	3,707.98	3,950.13	3,827.47	25.44	21.26	-147.51	-520.25	671.63	703.31	661.28	42.03	16.735		
4,100.00	3,797.65	4,047.72	3,921.34	26.18	21.81	-147.70	-538.44	691.14	725.01	681.88	43.13	16.810		
4,200.00	3,887.32	4,145.31	4,015.22	26.93	22.36	-147.89	-556.62	710.64	746.71	702.48	44.23	16.882		
4,300.00	3,976.99	4,242.90	4,109.09	27.68	22.91	-148.06	-574.81	730.15	768.43	723.09	45.33	16.950		
4,400.00	4,066.67	4,340.49	4,202.97	28.42	23.47	-148.22	-593.00	749.65	790.15	743.71	46.44	17.015		
4,500.00	4,156.34	4,438.07	4,296.84	29.17	24.02	-148.38	-611.19	769.16	811.87	764.33	47.54	17.077		
4,600.00	4,246.01	4,535.66	4,390.71	29.92	24.58	-148.53	-629.38	788.66	833.60	784.95	48.65	17.136		
4,700.00	4,335.68	4,633.25	4,484.59	30.67	25.13	-148.67	-647.57	808.17	855.34	805.58	49.75	17.192		
4,800.00	4,425.35	4,730.84	4,578.46	31.42	25.68	-148.80	-665.76	827.67	877.07	826.21	50.86	17.245		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,515.03	4,828.43	4,672.33	32.17	26.24	-148.93	-683.95	847.18	898.82	846.85	51.97	17.296		
5,000.00	4,604.70	4,926.02	4,766.21	32.92	26.79	-149.05	-702.13	866.68	920.57	867.49	53.07	17.345		
5,100.00	4,694.37	5,023.61	4,860.08	33.67	27.35	-149.16	-720.32	886.19	942.32	888.13	54.18	17.391		
5,200.00	4,784.04	5,121.19	4,953.96	34.42	27.90	-149.27	-738.51	905.70	964.07	908.78	55.29	17.436		
5,300.00	4,873.71	5,218.78	5,047.83	35.17	28.46	-149.38	-756.70	925.20	985.83	929.43	56.40	17.479		
5,400.00	4,963.38	5,316.37	5,141.70	35.92	29.01	-149.48	-774.89	944.71	1,007.59	950.08	57.51	17.520		
5,500.00	5,053.06	5,413.96	5,235.58	36.67	29.57	-149.57	-793.08	964.21	1,029.36	970.73	58.62	17.560		
5,600.00	5,142.73	5,511.55	5,329.45	37.43	30.13	-149.66	-811.27	983.72	1,051.12	991.39	59.73	17.597		
5,700.00	5,232.40	5,609.14	5,423.32	38.18	30.68	-149.75	-829.46	1,003.22	1,072.89	1,012.05	60.84	17.634		
5,800.00	5,322.07	5,706.73	5,517.20	38.93	31.24	-149.84	-847.64	1,022.73	1,094.66	1,032.71	61.95	17.669		
5,900.00	5,411.74	5,804.32	5,611.07	39.68	31.80	-149.92	-865.83	1,042.23	1,116.44	1,053.37	63.07	17.703		
6,000.00	5,501.42	5,901.90	5,704.95	40.44	32.35	-150.00	-884.02	1,061.74	1,138.21	1,074.03	64.18	17.736		
6,100.00	5,591.09	6,000.51	5,798.82	41.19	32.91	-150.07	-902.21	1,081.24	1,159.99	1,094.69	65.29	17.765		
6,200.00	5,680.76	6,097.08	5,892.69	41.94	33.47	-150.14	-920.40	1,100.75	1,181.77	1,115.37	66.40	17.797		
6,300.00	5,770.43	6,194.67	5,986.57	42.70	34.02	-150.21	-938.59	1,120.25	1,203.55	1,136.03	67.51	17.827		
6,400.00	5,860.10	6,307.74	6,080.44	43.45	34.67	-150.28	-956.78	1,139.76	1,225.33	1,156.62	68.71	17.833		
6,500.00	5,949.77	6,389.85	6,174.31	44.20	35.14	-150.35	-974.97	1,159.26	1,247.12	1,177.38	69.74	17.882		
6,600.00	6,039.45	6,487.44	6,268.19	44.96	35.69	-150.41	-993.15	1,178.77	1,268.90	1,198.05	70.85	17.909		
6,700.00	6,129.12	6,589.59	6,366.85	45.71	36.26	-150.58	-1,012.26	1,196.90	1,290.60	1,218.63	71.97	17.932		
6,800.00	6,218.79	6,693.11	6,468.33	46.46	36.71	-151.40	-1,031.82	1,200.49	1,311.84	1,238.98	72.86	18.005		
6,900.00	6,308.46	6,788.70	6,561.42	47.22	37.01	-152.78	-1,049.67	1,188.89	1,333.18	1,259.69	73.49	18.141		
6,969.86	6,371.11	6,849.18	6,619.04	47.75	37.19	-153.92	-1,060.68	1,174.27	1,348.64	1,274.82	73.82	18.269		
7,000.00	6,398.25	6,873.86	6,642.11	47.97	37.25	-160.29	-1,065.08	1,166.71	1,355.57	1,281.63	73.95	18.332		
7,050.00	6,443.70	6,913.99	6,678.97	48.31	37.36	-171.67	-1,072.09	1,152.50	1,367.45	1,293.31	74.14	18.444		
7,100.00	6,489.42	6,953.21	6,714.09	48.61	37.47	176.35	-1,078.75	1,136.35	1,379.71	1,305.38	74.32	18.563		
7,150.00	6,535.12	6,991.66	6,747.50	48.87	37.59	164.43	-1,085.08	1,118.41	1,392.21	1,317.71	74.50	18.687		
7,200.00	6,580.53	7,029.43	6,779.23	49.09	37.70	153.22	-1,091.07	1,098.82	1,404.85	1,330.18	74.68	18.813		
7,250.00	6,625.36	7,066.63	6,809.30	49.27	37.82	143.16	-1,096.74	1,077.70	1,417.52	1,342.66	74.85	18.938		
7,300.00	6,669.35	7,103.31	6,837.73	49.42	37.95	134.41	-1,102.08	1,055.15	1,430.08	1,355.05	75.03	19.059		
7,350.00	6,712.21	7,139.56	6,864.53	49.55	38.08	126.92	-1,107.10	1,031.26	1,442.45	1,367.22	75.23	19.173		
7,400.00	6,753.69	7,175.44	6,889.69	49.65	38.23	120.55	-1,111.79	1,006.13	1,454.51	1,379.06	75.46	19.276		
7,450.00	6,793.52	7,210.99	6,913.22	49.73	38.39	115.14	-1,116.17	979.85	1,466.17	1,390.47	75.70	19.367		
7,500.00	6,831.47	7,246.26	6,935.11	49.81	38.55	110.54	-1,120.22	952.49	1,477.33	1,401.35	75.99	19.442		
7,550.00	6,867.30	7,281.30	6,955.34	49.88	38.74	106.62	-1,123.95	924.14	1,487.91	1,411.59	76.32	19.496		
7,600.00	6,900.78	7,316.13	6,973.91	49.95	38.93	103.26	-1,127.35	894.87	1,497.83	1,421.13	76.70	19.528		
7,650.00	6,931.72	7,350.00	6,990.44	50.03	39.14	100.41	-1,130.36	865.46	1,507.01	1,429.87	77.14	19.537		
7,700.00	6,959.92	7,385.31	7,006.00	50.11	39.37	97.97	-1,133.17	833.90	1,515.38	1,437.72	77.66	19.512		
7,750.00	6,985.20	7,419.70	7,019.49	50.20	39.62	95.91	-1,135.58	802.36	1,522.90	1,444.64	78.26	19.460		
7,800.00	7,007.41	7,450.00	7,029.98	50.30	39.85	94.21	-1,137.43	774.00	1,529.51	1,450.59	78.92	19.381		
7,850.00	7,026.42	7,488.22	7,041.29	50.42	40.16	92.79	-1,139.39	737.55	1,535.15	1,455.44	79.71	19.260		
7,900.00	7,042.11	7,522.37	7,049.57	50.57	40.46	91.68	-1,140.79	704.45	1,539.79	1,459.23	80.57	19.112		
7,950.00	7,054.37	7,556.49	7,056.09	50.73	40.78	90.83	-1,141.85	670.98	1,543.41	1,461.90	81.51	18.934		
8,000.00	7,063.14	7,590.57	7,060.83	50.92	41.11	90.24	-1,142.56	637.24	1,545.98	1,463.43	82.55	18.728		
8,050.00	7,068.36	7,624.64	7,063.80	51.13	41.46	89.91	-1,142.93	603.31	1,547.48	1,463.82	83.66	18.497		
8,094.17	7,070.00	7,654.73	7,064.93	51.34	41.78	89.81	-1,142.98	573.24	1,547.91	1,463.21	84.70	18.276		
8,100.00	7,070.03	7,658.71	7,064.98	51.37	41.82	89.81	-1,142.96	569.27	1,547.91	1,463.07	84.84	18.245		
8,200.00	7,070.55	7,757.22	7,065.33	51.94	42.99	89.81	-1,142.45	470.76	1,548.14	1,460.67	87.47	17.699		
8,300.00	7,071.07	7,857.22	7,065.67	52.64	44.33	89.80	-1,141.92	370.76	1,548.37	1,458.00	90.37	17.133		
8,400.00	7,071.60	7,957.22	7,066.01	53.49	45.83	89.79	-1,141.40	270.76	1,548.61	1,455.07	93.54	16.556		
8,500.00	7,072.12	8,057.22	7,066.36	54.50	47.46	89.79	-1,140.87	170.77	1,548.84	1,451.90	96.94	15.978		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)					
8,600.00	7,072.64	8,157.22	7,066.70	55.69	49.22	89.78	-1,140.35	70.77		1,549.07	1,448.53	100.55	15.407				
8,700.00	7,073.17	8,257.22	7,067.04	57.04	51.09	89.77	-1,139.82	-29.23		1,549.30	1,444.96	104.34	14.848				
8,800.00	7,073.69	8,357.22	7,067.39	58.55	53.06	89.77	-1,139.30	-129.23		1,549.54	1,441.22	108.31	14.306				
8,900.00	7,074.21	8,457.21	7,067.73	60.21	55.11	89.76	-1,138.77	-229.22		1,549.77	1,437.34	112.43	13.784				
9,000.00	7,074.74	8,557.21	7,068.08	61.99	57.24	89.75	-1,138.25	-329.22		1,550.00	1,433.32	116.68	13.284				
9,100.00	7,075.26	8,657.21	7,068.42	63.88	59.43	89.75	-1,137.73	-429.22		1,550.23	1,429.17	121.06	12.806				
9,200.00	7,075.78	8,757.21	7,068.76	65.87	61.68	89.74	-1,137.20	-529.22		1,550.47	1,424.92	125.54	12.350				
9,300.00	7,076.30	8,857.21	7,069.11	67.95	63.98	89.73	-1,136.68	-629.21		1,550.70	1,420.58	130.12	11.917				
9,400.00	7,076.83	8,957.21	7,069.45	70.09	66.33	89.73	-1,136.15	-729.21		1,550.93	1,416.14	134.79	11.506				
9,500.00	7,077.35	9,057.21	7,069.79	72.30	68.71	89.72	-1,135.63	-829.21		1,551.16	1,411.63	139.53	11.117				
9,600.00	7,077.87	9,157.21	7,070.14	74.57	71.14	89.71	-1,135.10	-929.21		1,551.40	1,407.05	144.35	10.747				
9,700.00	7,078.40	9,257.21	7,070.48	76.88	73.59	89.71	-1,134.58	-1,029.20		1,551.63	1,402.40	149.23	10.398				
9,800.00	7,078.92	9,357.21	7,070.82	79.24	76.08	89.70	-1,134.05	-1,129.20		1,551.86	1,397.69	154.17	10.066				
9,900.00	7,079.44	9,457.21	7,071.17	81.63	78.59	89.70	-1,133.53	-1,229.20		1,552.09	1,392.94	159.16	9.752				
10,000.00	7,079.97	9,557.21	7,071.51	84.06	81.13	89.69	-1,133.00	-1,329.20		1,552.33	1,388.13	164.20	9.454				
10,100.00	7,080.49	9,657.21	7,071.86	86.52	83.68	89.68	-1,132.48	-1,429.19		1,552.56	1,383.28	169.28	9.172				
10,200.00	7,081.01	9,757.21	7,072.20	89.01	86.26	89.68	-1,131.96	-1,529.19		1,552.79	1,378.39	174.40	8.904				
10,300.00	7,081.54	9,857.21	7,072.54	91.52	88.86	89.67	-1,131.43	-1,629.19		1,553.03	1,373.47	179.56	8.649				
10,400.00	7,082.06	9,957.21	7,072.89	94.05	91.47	89.66	-1,130.91	-1,729.19		1,553.26	1,368.51	184.75	8.407				
10,500.00	7,082.58	10,057.21	7,073.23	96.61	94.09	89.66	-1,130.38	-1,829.19		1,553.49	1,363.52	189.97	8.178				
10,600.00	7,083.10	10,157.21	7,073.57	99.18	96.73	89.65	-1,129.86	-1,929.18		1,553.72	1,358.51	195.22	7.959				
10,700.00	7,083.63	10,257.21	7,073.92	101.77	99.38	89.64	-1,129.33	-2,029.18		1,553.96	1,353.47	200.49	7.751				
10,800.00	7,084.15	10,357.21	7,074.26	104.38	102.05	89.64	-1,128.81	-2,129.18		1,554.19	1,348.40	205.79	7.552				
10,900.00	7,084.67	10,457.21	7,074.61	107.00	104.72	89.63	-1,128.28	-2,229.18		1,554.42	1,343.31	211.11	7.363				
11,000.00	7,085.20	10,557.21	7,074.95	109.63	107.40	89.62	-1,127.76	-2,329.17		1,554.66	1,338.20	216.45	7.182				
11,100.00	7,085.72	10,657.21	7,075.29	112.27	110.10	89.62	-1,127.24	-2,429.17		1,554.89	1,333.08	221.81	7.010				
11,200.00	7,086.24	10,757.21	7,075.64	114.93	112.80	89.61	-1,126.71	-2,529.17		1,555.12	1,327.93	227.19	6.845				
11,300.00	7,086.77	10,857.20	7,075.98	117.59	115.51	89.60	-1,126.19	-2,629.17		1,555.35	1,322.77	232.58	6.687				
11,400.00	7,087.29	10,957.20	7,076.32	120.27	118.22	89.60	-1,125.66	-2,729.16		1,555.59	1,317.60	237.99	6.536				
11,500.00	7,087.81	11,057.20	7,076.67	122.95	120.95	89.59	-1,125.14	-2,829.16		1,555.82	1,312.41	243.42	6.392				
11,600.00	7,088.33	11,157.20	7,077.01	125.64	123.68	89.58	-1,124.61	-2,929.16		1,556.05	1,307.20	248.85	6.253				
11,700.00	7,088.86	11,257.20	7,077.36	128.34	126.41	89.58	-1,124.09	-3,029.16		1,556.29	1,301.99	254.30	6.120				
11,800.00	7,089.38	11,357.20	7,077.70	131.05	129.15	89.57	-1,123.56	-3,129.15		1,556.52	1,296.76	259.76	5.992				
11,900.00	7,089.90	11,457.20	7,078.04	133.76	131.90	89.56	-1,123.04	-3,229.15		1,556.75	1,291.52	265.23	5.869				
12,000.00	7,090.43	11,557.20	7,078.39	136.49	134.65	89.56	-1,122.52	-3,329.15		1,556.99	1,286.27	270.72	5.751				
12,100.00	7,090.95	11,657.20	7,078.73	139.21	137.41	89.55	-1,121.99	-3,429.15		1,557.22	1,281.01	276.21	5.638				
12,200.00	7,091.47	11,757.20	7,079.07	141.94	140.17	89.54	-1,121.47	-3,529.14		1,557.45	1,275.74	281.71	5.529				
12,300.00	7,092.00	11,857.20	7,079.42	144.68	142.93	89.54	-1,120.94	-3,629.14		1,557.69	1,270.47	287.22	5.423				
12,400.00	7,092.52	11,957.20	7,079.76	147.42	145.70	89.53	-1,120.42	-3,729.14		1,557.92	1,265.18	292.74	5.322				
12,500.00	7,093.04	12,057.20	7,080.10	150.17	148.47	89.52	-1,119.89	-3,829.14		1,558.15	1,259.89	298.26	5.224				
12,600.00	7,093.57	12,157.20	7,080.45	152.92	151.24	89.52	-1,119.37	-3,929.13		1,558.39	1,254.59	303.79	5.130				
12,700.00	7,094.09	12,257.20	7,080.79	155.67	154.02	89.51	-1,118.84	-4,029.13		1,558.62	1,249.29	309.33	5.039				
12,800.00	7,094.61	12,357.20	7,081.14	158.43	156.80	89.51	-1,118.32	-4,129.13		1,558.85	1,243.97	314.88	4.951				
12,900.00	7,095.13	12,457.20	7,081.48	161.19	159.59	89.50	-1,117.79	-4,229.13		1,559.08	1,238.65	320.43	4.866				
13,000.00	7,095.66	12,557.20	7,081.82	163.96	162.37	89.49	-1,117.27	-4,329.13		1,559.32	1,233.33	325.99	4.783				
13,100.00	7,096.18	12,657.20	7,082.17	166.73	165.16	89.49	-1,116.75	-4,429.12		1,559.55	1,228.00	331.55	4.704				
13,200.00	7,096.70	12,757.20	7,082.51	169.50	167.95	89.48	-1,116.22	-4,529.12		1,559.79	1,222.67	337.12	4.627				
13,256.62	7,097.00	12,813.81	7,082.71	171.07	169.53	89.48	-1,115.92	-4,585.74		1,559.92	1,219.64	340.27	4.584 SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	0.35	45.18	0.28	45.18					
100.00	100.00	100.00	100.00	3.28	3.28	0.35	45.18	0.28	45.18	38.61	6.57	6.877		
200.00	200.00	200.00	200.00	3.34	3.34	0.35	45.18	0.28	45.18	38.50	6.67	6.769		
300.00	300.00	301.28	301.25	3.44	3.44	1.68	43.70	1.28	43.73	36.84	6.89	6.343		
400.00	399.98	402.40	402.23	3.60	3.60	-148.63	39.26	4.28	41.03	33.82	7.21	5.687		
500.00	499.84	503.40	502.83	3.79	3.80	-144.44	31.88	9.27	38.73	31.11	7.62	5.082		
600.00	599.45	604.25	602.91	4.02	4.05	-139.20	21.59	16.22	36.97	28.86	8.11	4.560		
700.00	698.70	704.97	702.36	4.29	4.33	-132.98	8.40	25.14	35.87	27.21	8.66	4.141		
781.83	779.56	787.27	783.17	4.54	4.60	-127.32	-4.52	33.87	35.57	26.41	9.16	3.882 CC		
800.00	797.47	805.54	801.04	4.59	4.66	-126.02	-7.65	35.98	35.59	26.31	9.28	3.834		
900.00	895.62	905.96	898.84	4.93	5.03	-118.71	-26.52	48.74	36.23	26.26	9.97	3.634 ES		
1,000.00	993.06	1,006.24	995.64	5.31	5.44	-111.53	-48.20	63.39	37.86	27.12	10.74	3.525		
1,100.00	1,089.64	1,106.36	1,091.31	5.72	5.88	-104.88	-72.62	79.90	40.46	28.87	11.59	3.491		
1,200.00	1,185.27	1,206.33	1,185.76	6.16	6.37	-99.03	-99.76	98.24	43.96	31.44	12.52	3.512		
1,300.00	1,279.82	1,306.21	1,279.62	6.64	6.88	-96.40	-128.06	117.37	48.22	34.71	13.51	3.568		
1,400.00	1,373.17	1,406.08	1,373.47	7.16	7.41	-97.95	-156.36	136.50	52.93	38.37	14.56	3.636		
1,500.00	1,465.21	1,505.82	1,467.19	7.71	7.96	-102.59	-184.62	155.60	58.34	42.70	15.63	3.731		
1,600.00	1,555.84	1,605.31	1,560.68	8.31	8.52	-109.31	-212.81	174.65	65.16	48.44	16.72	3.898		
1,613.50	1,567.96	1,618.72	1,573.28	8.39	8.60	-110.32	-216.61	177.22	66.23	49.37	16.86	3.928		
1,700.00	1,645.53	1,704.59	1,653.97	8.93	9.09	-116.32	-240.94	193.67	73.67	55.89	17.78	4.144		
1,800.00	1,735.20	1,803.86	1,747.25	9.58	9.67	-121.86	-269.07	212.68	83.07	64.24	18.83	4.412		
1,900.00	1,824.87	1,903.13	1,840.54	10.25	10.25	-126.24	-297.20	231.69	93.08	73.21	19.87	4.684		
2,000.00	1,914.54	2,002.40	1,933.82	10.92	10.85	-129.76	-325.33	250.71	103.53	82.61	20.92	4.948		
2,100.00	2,004.21	2,101.67	2,027.11	11.61	11.44	-132.63	-353.46	269.72	114.30	92.33	21.98	5.201		
2,200.00	2,093.89	2,200.94	2,120.39	12.30	12.04	-135.00	-381.59	288.73	125.30	102.27	23.03	5.440		
2,300.00	2,183.56	2,300.21	2,213.67	13.01	12.64	-136.99	-409.72	307.75	136.48	112.38	24.10	5.663		
2,400.00	2,273.23	2,400.52	2,306.96	13.71	13.26	-138.67	-437.85	326.76	147.80	122.62	25.18	5.871		
2,500.00	2,362.90	2,501.25	2,400.24	14.43	13.87	-140.12	-465.98	345.77	159.23	132.96	26.26	6.063		
2,600.00	2,452.57	2,598.02	2,493.53	15.14	14.47	-141.37	-494.11	364.79	170.74	143.41	27.33	6.248		
2,700.00	2,542.25	2,702.71	2,586.81	15.87	15.12	-142.46	-522.24	383.80	182.32	153.87	28.45	6.409		
2,800.00	2,631.92	2,803.44	2,680.09	16.59	15.74	-143.42	-550.37	402.81	193.96	164.41	29.55	6.565		
2,900.00	2,721.59	2,904.17	2,773.38	17.32	16.37	-144.27	-578.50	421.82	205.65	175.00	30.65	6.710		
3,000.00	2,811.26	3,004.89	2,866.66	18.05	17.00	-145.03	-606.63	440.84	217.38	185.62	31.76	6.845		
3,100.00	2,900.93	3,105.62	2,959.95	18.78	17.62	-145.72	-634.76	459.85	229.14	196.27	32.87	6.972		
3,200.00	2,990.60	3,206.35	3,053.23	19.51	18.26	-146.33	-662.89	478.86	240.93	206.95	33.98	7.090		
3,300.00	3,080.28	3,307.08	3,146.51	20.25	18.89	-146.89	-691.02	497.88	252.74	217.65	35.10	7.201		
3,400.00	3,169.95	3,392.19	3,239.80	20.99	19.42	-147.40	-719.15	516.89	264.58	228.45	36.13	7.323		
3,500.00	3,259.62	3,508.54	3,333.08	21.73	20.15	-147.86	-747.28	535.90	276.44	239.10	37.34	7.404		
3,600.00	3,349.29	3,609.27	3,426.37	22.47	20.79	-148.29	-775.41	554.92	288.31	249.85	38.46	7.496		
3,700.00	3,438.96	3,690.00	3,519.65	23.21	21.29	-148.68	-803.54	573.93	300.20	260.72	39.47	7.605		
3,800.00	3,528.64	3,789.27	3,612.94	23.95	21.92	-149.05	-831.67	592.94	312.10	271.50	40.59	7.688		
3,900.00	3,618.31	3,888.54	3,706.22	24.69	22.55	-149.38	-859.80	611.96	324.01	282.29	41.71	7.767		
4,000.00	3,707.98	3,987.81	3,799.50	25.44	23.17	-149.70	-887.93	630.97	335.93	293.09	42.84	7.842		
4,100.00	3,797.65	4,087.08	3,892.79	26.18	23.80	-149.99	-916.06	649.98	347.86	303.90	43.96	7.913		
4,200.00	3,887.32	4,186.35	3,986.07	26.93	24.43	-150.26	-944.19	668.99	359.80	314.71	45.09	7.980		
4,300.00	3,976.99	4,285.63	4,079.36	27.68	25.06	-150.51	-972.31	688.01	371.74	325.53	46.21	8.044		
4,400.00	4,066.67	4,384.90	4,172.64	28.42	25.69	-150.75	-1,000.44	707.02	383.70	336.36	47.34	8.105		
4,500.00	4,156.34	4,484.17	4,265.92	29.17	26.32	-150.98	-1,028.57	726.03	395.66	347.19	48.47	8.163		
4,600.00	4,246.01	4,583.44	4,359.21	29.92	26.95	-151.19	-1,056.70	745.05	407.62	358.02	49.60	8.219		
4,700.00	4,335.68	4,682.71	4,452.49	30.67	27.58	-151.39	-1,084.83	764.06	419.59	368.86	50.73	8.271		
4,800.00	4,425.35	4,781.98	4,545.78	31.42	28.21	-151.57	-1,112.96	783.07	431.57	379.71	51.86	8.322		

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

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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)					
4,900.00	4,515.03	4,881.25	4,639.06	32.17	28.84	-151.75	-1,141.09	802.09	443.55	390.55	52.99	8.370				
5,000.00	4,604.70	4,980.52	4,732.34	32.92	29.47	-151.92	-1,169.22	821.10	455.53	401.40	54.12	8.416				
5,100.00	4,694.37	5,079.79	4,825.63	33.67	30.10	-152.08	-1,197.35	840.11	467.52	412.26	55.26	8.461				
5,200.00	4,784.04	5,179.06	4,918.91	34.42	30.73	-152.23	-1,225.48	859.13	479.51	423.11	56.39	8.503				
5,300.00	4,873.71	5,278.33	5,012.20	35.17	31.36	-152.38	-1,253.61	878.14	491.50	433.97	57.53	8.544				
5,400.00	4,963.38	5,377.60	5,105.48	35.92	31.99	-152.51	-1,281.74	897.15	503.50	444.83	58.66	8.583				
5,500.00	5,053.06	5,476.87	5,198.76	36.67	32.62	-152.64	-1,309.87	916.16	515.49	455.70	59.80	8.620				
5,600.00	5,142.73	5,576.15	5,292.05	37.43	33.26	-152.77	-1,338.00	935.18	527.50	466.56	60.94	8.657				
5,700.00	5,232.40	5,675.42	5,385.33	38.18	33.89	-152.89	-1,366.13	954.19	539.50	477.43	62.07	8.691				
5,800.00	5,322.07	5,774.69	5,478.62	38.93	34.52	-153.00	-1,394.26	973.20	551.51	488.30	63.21	8.725				
5,900.00	5,411.74	5,873.96	5,571.90	39.68	35.15	-153.11	-1,422.39	992.22	563.51	499.17	64.35	8.757				
6,000.00	5,501.42	5,973.23	5,665.18	40.44	35.79	-153.22	-1,450.52	1,011.23	575.52	510.04	65.49	8.789				
6,100.00	5,591.09	6,072.50	5,758.47	41.19	36.42	-153.32	-1,478.65	1,030.24	587.54	520.91	66.62	8.819				
6,200.00	5,680.76	6,171.77	5,851.75	41.94	37.05	-153.41	-1,506.78	1,049.26	599.55	531.79	67.76	8.848				
6,300.00	5,770.43	6,271.04	5,945.04	42.70	37.68	-153.51	-1,534.91	1,068.27	611.57	542.66	68.90	8.876				
6,400.00	5,860.10	6,370.31	6,038.32	43.45	38.32	-153.60	-1,563.04	1,087.28	623.58	553.54	70.04	8.903				
6,500.00	5,949.77	6,469.58	6,131.60	44.20	38.95	-153.68	-1,591.17	1,106.30	635.60	564.42	71.18	8.929				
6,600.00	6,039.45	6,568.85	6,224.89	44.96	39.58	-153.76	-1,619.30	1,125.31	647.62	575.30	72.32	8.954				
6,700.00	6,129.12	6,668.12	6,318.17	45.71	40.22	-153.84	-1,647.43	1,144.32	659.64	586.18	73.46	8.979				
6,800.00	6,218.79	6,767.39	6,411.46	46.46	40.85	-153.92	-1,675.56	1,163.33	671.66	597.06	74.61	9.003				
6,900.00	6,308.46	6,866.67	6,504.74	47.22	41.48	-154.00	-1,703.69	1,182.35	683.69	607.94	75.75	9.026				
6,969.86	6,371.11	6,937.03	6,571.38	47.75	41.90	-154.34	-1,723.82	1,192.33	692.04	615.58	76.46	9.051				
7,000.00	6,398.25	6,967.07	6,600.07	47.97	42.06	-160.17	-1,732.51	1,194.25	695.64	618.92	76.72	9.068				
7,050.00	6,443.70	7,016.58	6,647.44	48.31	42.30	-170.66	-1,746.88	1,194.31	701.66	624.55	77.11	9.100				
7,100.00	6,489.42	7,065.68	6,694.26	48.61	42.50	178.24	-1,761.13	1,190.57	707.70	630.23	77.47	9.135				
7,150.00	6,535.12	7,114.39	6,740.30	48.87	42.67	167.20	-1,775.17	1,183.15	713.73	635.91	77.81	9.172				
7,200.00	6,580.53	7,162.73	6,785.31	49.09	42.81	156.85	-1,788.93	1,172.16	719.69	641.55	78.14	9.210				
7,250.00	6,625.36	7,210.73	6,829.07	49.27	42.94	147.63	-1,802.35	1,157.76	725.56	647.09	78.47	9.246				
7,300.00	6,669.35	7,258.41	6,871.38	49.42	43.05	139.69	-1,815.36	1,140.07	731.28	652.48	78.80	9.280				
7,350.00	6,712.21	7,305.79	6,912.05	49.55	43.15	132.98	-1,827.90	1,119.27	736.83	657.68	79.15	9.309				
7,400.00	6,753.69	7,352.90	6,950.90	49.65	43.25	127.35	-1,839.91	1,095.50	742.16	662.65	79.51	9.334				
7,450.00	6,793.52	7,399.76	6,987.76	49.73	43.35	122.65	-1,851.35	1,068.95	747.24	667.34	79.90	9.352				
7,500.00	6,831.47	7,446.39	7,022.48	49.81	43.45	118.70	-1,862.16	1,039.78	752.03	671.71	80.32	9.363				
7,550.00	6,867.30	7,492.81	7,054.91	49.88	43.56	115.39	-1,872.30	1,008.17	756.49	675.72	80.78	9.365				
7,600.00	6,900.78	7,539.03	7,084.93	49.95	43.67	112.60	-1,881.73	974.32	760.61	679.32	81.28	9.357				
7,650.00	6,931.72	7,585.09	7,112.41	50.03	43.80	110.25	-1,890.41	938.40	764.34	682.50	81.85	9.339				
7,700.00	6,959.92	7,631.00	7,137.26	50.11	43.94	108.28	-1,898.31	900.63	767.67	685.20	82.47	9.308				
7,750.00	6,985.20	7,676.78	7,159.37	50.20	44.09	106.64	-1,905.40	861.19	770.57	687.40	83.16	9.266				
7,800.00	7,007.41	7,722.44	7,178.67	50.30	44.27	105.28	-1,911.64	820.30	773.02	689.08	83.94	9.210				
7,850.00	7,026.42	7,768.00	7,195.07	50.42	44.46	104.19	-1,917.02	778.14	775.01	690.22	84.79	9.141				
7,900.00	7,042.11	7,813.48	7,208.53	50.57	44.68	103.34	-1,921.51	734.94	776.52	690.79	85.72	9.059				
7,950.00	7,054.37	7,858.89	7,218.98	50.73	44.93	102.70	-1,925.10	690.90	777.53	690.80	86.74	8.964				
8,000.00	7,063.14	7,904.26	7,226.40	50.92	45.20	102.28	-1,927.77	646.23	778.06	690.23	87.82	8.859				
8,050.00	7,068.36	7,949.59	7,230.74	51.13	45.49	102.06	-1,929.52	601.15	778.08	689.10	88.98	8.744				
8,094.17	7,070.00	7,990.05	7,232.04	51.34	45.78	102.02	-1,930.29	560.73	777.68	687.63	90.05	8.636				
8,100.00	7,070.03	7,995.88	7,232.09	51.37	45.83	102.03	-1,930.36	554.90	777.60	687.41	90.19	8.622				
8,200.00	7,070.55	8,104.13	7,232.89	51.94	46.75	102.07	-1,931.55	454.93	776.21	683.35	92.87	8.358				
8,300.00	7,071.07	8,204.15	7,233.70	52.64	47.78	102.11	-1,932.74	354.95	774.82	679.12	95.70	8.097				
8,400.00	7,071.60	8,304.16	7,234.51	53.49	49.00	102.16	-1,933.94	254.97	773.43	674.67	98.76	7.831				
8,500.00	7,072.12	8,404.17	7,235.32	54.50	50.39	102.20	-1,935.13	154.99	772.04	669.99	102.04	7.566				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,600.00	7,072.64	8,504.18	7,236.13	55.69	51.93	102.24	-1,936.32	55.01	770.65	665.13	105.52	7.303		
8,700.00	7,073.17	8,604.19	7,236.93	57.04	53.61	102.29	-1,937.51	-44.97	769.26	660.09	109.17	7.046		
8,800.00	7,073.69	8,695.80	7,237.74	58.55	55.26	102.33	-1,938.70	-144.94	767.87	655.05	112.82	6.806		
8,900.00	7,074.21	8,804.21	7,238.55	60.21	57.32	102.38	-1,939.89	-244.92	766.48	649.54	116.93	6.555		
9,000.00	7,074.74	8,895.77	7,239.36	61.99	59.15	102.42	-1,941.08	-344.90	765.09	644.25	120.84	6.331		
9,100.00	7,075.26	9,004.24	7,240.16	63.88	61.40	102.47	-1,942.27	-444.88	763.70	638.49	125.21	6.099		
9,200.00	7,075.78	9,104.25	7,240.97	65.87	63.55	102.51	-1,943.47	-544.86	762.31	632.80	129.51	5.886		
9,300.00	7,076.30	9,204.26	7,241.78	67.95	65.77	102.56	-1,944.66	-644.84	760.93	627.02	133.91	5.682		
9,400.00	7,076.83	9,304.27	7,242.59	70.09	68.03	102.60	-1,945.85	-744.81	759.54	621.15	138.39	5.488		
9,500.00	7,077.35	9,404.28	7,243.39	72.30	70.35	102.65	-1,947.04	-844.79	758.15	615.21	142.94	5.304		
9,600.00	7,077.87	9,495.71	7,244.20	74.57	72.50	102.69	-1,948.23	-944.77	756.77	609.40	147.37	5.135		
9,700.00	7,078.40	9,604.31	7,245.01	76.88	75.10	102.74	-1,949.42	-1,044.75	755.38	603.13	152.26	4.961		
9,800.00	7,078.92	9,704.32	7,245.82	79.24	77.52	102.79	-1,950.61	-1,144.73	754.00	597.00	157.00	4.802		
9,900.00	7,079.44	9,804.33	7,246.63	81.63	79.98	102.83	-1,951.81	-1,244.70	752.62	590.82	161.80	4.652		
10,000.00	7,079.97	9,904.34	7,247.43	84.06	82.47	102.88	-1,953.00	-1,344.68	751.23	584.59	166.64	4.508		
10,100.00	7,080.49	10,004.35	7,248.24	86.52	84.98	102.92	-1,954.19	-1,444.66	749.85	578.32	171.53	4.372		
10,200.00	7,081.01	10,104.36	7,249.05	89.01	87.51	102.97	-1,955.38	-1,544.64	748.47	572.01	176.45	4.242		
10,300.00	7,081.54	10,204.37	7,249.86	91.52	90.06	103.02	-1,956.57	-1,644.62	747.08	565.67	181.41	4.118		
10,400.00	7,082.06	10,304.39	7,250.66	94.05	92.64	103.06	-1,957.76	-1,744.60	745.70	559.30	186.40	4.000		
10,500.00	7,082.58	10,395.60	7,251.47	96.61	95.00	103.11	-1,958.95	-1,844.57	744.32	553.12	191.20	3.893		
10,600.00	7,083.10	10,504.41	7,252.28	99.18	97.83	103.16	-1,960.15	-1,944.55	742.94	546.46	196.48	3.781		
10,700.00	7,083.63	10,604.42	7,253.09	101.77	100.45	103.21	-1,961.34	-2,044.53	741.56	540.01	201.55	3.679		
10,800.00	7,084.15	10,704.43	7,253.89	104.38	103.08	103.25	-1,962.53	-2,144.51	740.18	533.53	206.65	3.582		
10,900.00	7,084.67	10,804.44	7,254.70	107.00	105.72	103.30	-1,963.72	-2,244.49	738.80	527.03	211.77	3.489		
11,000.00	7,085.20	10,904.45	7,255.51	109.63	108.38	103.35	-1,964.91	-2,344.47	737.42	520.51	216.91	3.400		
11,100.00	7,085.72	11,004.47	7,256.32	112.27	111.04	103.40	-1,966.10	-2,444.44	736.04	513.98	222.07	3.315		
11,200.00	7,086.24	11,104.48	7,257.13	114.93	113.72	103.45	-1,967.29	-2,544.42	734.67	507.43	227.24	3.233		
11,300.00	7,086.77	11,204.49	7,257.93	117.59	116.40	103.50	-1,968.49	-2,644.40	733.29	500.86	232.43	3.155		
11,400.00	7,087.29	11,304.50	7,258.74	120.27	119.09	103.54	-1,969.68	-2,744.38	731.91	494.28	237.63	3.080		
11,500.00	7,087.81	11,404.51	7,259.55	122.95	121.79	103.59	-1,970.87	-2,844.36	730.54	487.69	242.85	3.008		
11,600.00	7,088.33	11,504.52	7,260.36	125.64	124.50	103.64	-1,972.06	-2,944.33	729.16	481.08	248.08	2.939		
11,700.00	7,088.86	11,604.53	7,261.16	128.34	127.21	103.69	-1,973.25	-3,044.31	727.79	474.47	253.32	2.873		
11,800.00	7,089.38	11,695.45	7,261.97	131.05	129.69	103.74	-1,974.44	-3,144.29	726.41	468.09	258.32	2.812		
11,900.00	7,089.90	11,804.56	7,262.78	133.76	132.66	103.79	-1,975.63	-3,244.27	725.04	461.21	263.82	2.748		
12,000.00	7,090.43	11,904.57	7,263.59	136.49	135.39	103.84	-1,976.82	-3,344.25	723.67	454.57	269.09	2.689		
12,100.00	7,090.95	12,004.58	7,264.39	139.21	138.13	103.89	-1,978.02	-3,444.23	722.29	447.92	274.37	2.633		
12,200.00	7,091.47	12,104.59	7,265.20	141.94	140.87	103.94	-1,979.21	-3,544.20	720.92	441.27	279.65	2.578		
12,300.00	7,092.00	12,204.60	7,266.01	144.68	143.61	103.99	-1,980.40	-3,644.18	719.55	434.61	284.94	2.525		
12,400.00	7,092.52	12,304.61	7,266.82	147.42	146.36	104.04	-1,981.59	-3,744.16	718.18	427.94	290.24	2.474		
12,500.00	7,093.04	12,404.63	7,267.63	150.17	149.12	104.09	-1,982.78	-3,844.14	716.81	421.27	295.54	2.425		
12,600.00	7,093.57	12,504.64	7,268.43	152.92	151.87	104.14	-1,983.97	-3,944.12	715.44	414.59	300.85	2.378		
12,700.00	7,094.09	12,604.65	7,269.24	155.67	154.64	104.20	-1,985.16	-4,044.09	714.07	407.91	306.16	2.332		
12,800.00	7,094.61	12,695.34	7,270.05	158.43	157.14	104.25	-1,986.36	-4,144.07	712.70	401.47	311.23	2.290		
12,900.00	7,095.13	12,804.67	7,270.86	161.19	160.17	104.30	-1,987.55	-4,244.05	711.33	394.53	316.80	2.245		
13,000.00	7,095.66	12,904.68	7,271.66	163.96	162.94	104.35	-1,988.74	-4,344.03	709.96	387.84	322.12	2.204		
13,100.00	7,096.18	13,004.69	7,272.47	166.73	165.72	104.40	-1,989.93	-4,444.01	708.60	381.15	327.45	2.164		
13,200.00	7,096.70	13,104.71	7,273.28	169.50	168.49	104.46	-1,991.12	-4,543.99	707.23	374.45	332.78	2.125		
13,256.62	7,097.00	13,151.91	7,273.74	171.07	169.80	104.49	-1,991.80	-4,600.59	706.46	370.91	335.55	2.105 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	
0.00	0.00	0.00	0.00	3.28	3.28	0.27	60.11	0.28	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	0.27	60.11	0.28	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	0.27	60.11	0.28	60.11	53.44	6.67	9.007		
300.00	300.00	301.69	301.66	3.44	3.44	1.30	58.64	1.33	58.68	51.79	6.89	8.511		
400.00	399.98	403.22	403.05	3.60	3.60	-149.74	54.26	4.48	56.02	48.81	7.22	7.764		
500.00	499.84	504.62	504.04	3.79	3.81	-146.53	46.96	9.71	53.78	46.15	7.62	7.053		
600.00	599.45	605.87	604.51	4.02	4.05	-142.56	36.79	17.01	52.05	43.94	8.12	6.414		
700.00	698.70	706.97	704.33	4.29	4.34	-137.87	23.75	26.35	50.96	42.29	8.67	5.875		
789.25	786.87	797.07	792.76	4.56	4.64	-133.17	9.73	36.41	50.63	41.40	9.23	5.486 CC		
800.00	797.47	807.92	803.37	4.59	4.67	-132.57	7.89	37.73	50.63	41.33	9.30	5.445		
900.00	895.62	908.71	901.50	4.93	5.04	-126.89	-10.76	51.11	51.18	41.19	9.99	5.123 ES		
1,000.00	993.06	1,009.33	998.61	5.31	5.45	-121.08	-32.17	66.47	52.69	41.94	10.75	4.900		
1,100.00	1,089.64	1,109.79	1,094.57	5.72	5.90	-115.40	-56.30	83.77	55.19	43.60	11.59	4.760		
1,200.00	1,185.27	1,210.00	1,189.22	6.16	6.39	-110.16	-83.03	102.94	58.70	46.19	12.52	4.690		
1,300.00	1,279.82	1,309.84	1,283.15	6.64	6.90	-107.51	-110.55	122.68	63.47	49.96	13.50	4.700		
1,400.00	1,373.17	1,409.66	1,377.05	7.16	7.43	-107.99	-138.06	142.42	69.35	54.81	14.54	4.770		
1,500.00	1,465.21	1,509.33	1,470.81	7.71	7.98	-110.84	-165.54	162.13	76.41	60.81	15.60	4.899		
1,600.00	1,555.84	1,608.74	1,564.32	8.31	8.54	-115.31	-192.94	181.78	85.07	68.40	16.67	5.104		
1,613.50	1,567.96	1,622.13	1,576.92	8.39	8.62	-116.00	-196.63	184.43	86.40	69.59	16.81	5.139		
1,700.00	1,645.53	1,707.92	1,657.62	8.93	9.11	-120.19	-220.28	201.39	95.27	77.53	17.73	5.372		
1,800.00	1,735.20	1,807.10	1,750.92	9.58	9.69	-124.14	-247.62	221.00	106.04	87.24	18.80	5.640		
1,900.00	1,824.87	1,906.28	1,844.22	10.25	10.27	-127.35	-274.96	240.61	117.22	97.34	19.87	5.898		
2,000.00	1,914.54	2,005.46	1,937.52	10.92	10.86	-130.00	-302.30	260.22	128.69	107.75	20.95	6.144		
2,100.00	2,004.21	2,104.64	2,030.81	11.61	11.45	-132.21	-329.64	279.83	140.40	118.37	22.03	6.374		
2,200.00	2,093.89	2,203.81	2,124.11	12.30	12.05	-134.08	-356.98	299.43	152.28	129.17	23.11	6.588		
2,300.00	2,183.56	2,302.99	2,217.41	13.01	12.65	-135.68	-384.32	319.04	164.30	140.10	24.20	6.788		
2,400.00	2,273.23	2,402.17	2,310.71	13.71	13.26	-137.06	-411.66	338.65	176.43	151.13	25.30	6.973		
2,500.00	2,362.90	2,501.35	2,404.00	14.43	13.86	-138.26	-438.99	358.26	188.64	162.24	26.40	7.145		
2,600.00	2,452.57	2,600.53	2,497.30	15.14	14.47	-139.31	-466.33	377.87	200.93	173.42	27.50	7.305		
2,700.00	2,542.25	2,699.71	2,590.60	15.87	15.09	-140.25	-493.67	397.48	213.27	184.66	28.61	7.454		
2,800.00	2,631.92	2,801.12	2,683.90	16.59	15.71	-141.08	-521.01	417.09	225.67	195.93	29.74	7.589		
2,900.00	2,721.59	2,901.94	2,777.19	17.32	16.34	-141.82	-548.35	436.70	238.11	207.25	30.86	7.715		
3,000.00	2,811.26	3,002.76	2,870.49	18.05	16.97	-142.50	-575.69	456.31	250.58	218.59	31.99	7.833		
3,100.00	2,900.93	3,103.58	2,963.79	18.78	17.59	-143.10	-603.03	475.92	263.09	229.97	33.12	7.944		
3,200.00	2,990.60	3,204.40	3,057.09	19.51	18.22	-143.65	-630.37	495.52	275.62	241.37	34.25	8.047		
3,300.00	3,080.28	3,305.22	3,150.38	20.25	18.85	-144.16	-657.71	515.13	288.17	252.78	35.39	8.143		
3,400.00	3,169.95	3,393.95	3,243.68	20.99	19.41	-144.62	-685.05	534.74	300.75	264.29	36.46	8.249		
3,500.00	3,259.62	3,506.87	3,336.98	21.73	20.12	-145.05	-712.39	554.35	313.34	275.67	37.66	8.319		
3,600.00	3,349.29	3,607.69	3,430.27	22.47	20.75	-145.44	-739.73	573.96	325.95	287.14	38.80	8.400		
3,700.00	3,438.96	3,708.51	3,523.57	23.21	21.38	-145.80	-767.06	593.57	338.57	298.62	39.95	8.475		
3,800.00	3,528.64	3,790.67	3,616.87	23.95	21.90	-146.14	-794.40	613.18	351.20	310.21	40.99	8.569		
3,900.00	3,618.31	3,889.85	3,710.17	24.69	22.53	-146.45	-821.74	632.79	363.84	321.72	42.12	8.638		
4,000.00	3,707.98	3,989.02	3,803.46	25.44	23.15	-146.74	-849.08	652.40	376.50	333.24	43.26	8.703		
4,100.00	3,797.65	4,088.20	3,896.76	26.18	23.78	-147.02	-876.42	672.01	389.16	344.76	44.40	8.765		
4,200.00	3,887.32	4,187.38	3,990.06	26.93	24.40	-147.27	-903.76	691.61	401.84	356.30	45.54	8.824		
4,300.00	3,976.99	4,286.56	4,083.36	27.68	25.03	-147.51	-931.10	711.22	414.52	367.84	46.68	8.880		
4,400.00	4,066.67	4,385.74	4,176.65	28.42	25.66	-147.74	-958.44	730.83	427.20	379.38	47.82	8.933		
4,500.00	4,156.34	4,484.92	4,269.95	29.17	26.28	-147.95	-985.78	750.44	439.89	390.93	48.96	8.984		
4,600.00	4,246.01	4,584.09	4,363.25	29.92	26.91	-148.15	-1,013.12	770.05	452.59	402.48	50.11	9.032		
4,700.00	4,335.68	4,683.27	4,456.55	30.67	27.54	-148.34	-1,040.46	789.66	465.29	414.04	51.25	9.078		
4,800.00	4,425.35	4,782.45	4,549.84	31.42	28.17	-148.52	-1,067.79	809.27	478.00	425.60	52.40	9.123		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	
4,900.00	4,515.03	4,881.63	4,643.14	32.17	28.80	-148.69	-1,095.13	828.88	490.72	437.17	53.54	9.165		
5,000.00	4,604.70	4,980.81	4,736.44	32.92	29.43	-148.86	-1,122.47	848.49	503.43	448.74	54.69	9.205		
5,100.00	4,694.37	5,079.99	4,829.74	33.67	30.05	-149.01	-1,149.81	868.10	516.15	460.31	55.84	9.244		
5,200.00	4,784.04	5,179.16	4,923.03	34.42	30.68	-149.16	-1,177.15	887.70	528.88	471.89	56.99	9.281		
5,300.00	4,873.71	5,278.34	5,016.33	35.17	31.31	-149.30	-1,204.49	907.31	541.60	483.47	58.13	9.316		
5,400.00	4,963.38	5,377.52	5,109.63	35.92	31.94	-149.43	-1,231.83	926.92	554.33	495.05	59.28	9.351		
5,500.00	5,053.06	5,476.70	5,202.93	36.67	32.57	-149.56	-1,259.17	946.53	567.07	506.63	60.43	9.384		
5,600.00	5,142.73	5,575.88	5,296.22	37.43	33.20	-149.68	-1,286.51	966.14	579.80	518.22	61.58	9.415		
5,700.00	5,232.40	5,675.06	5,389.52	38.18	33.83	-149.80	-1,313.85	985.75	592.54	529.81	62.73	9.446		
5,800.00	5,322.07	5,774.23	5,482.82	38.93	34.46	-149.91	-1,341.19	1,005.36	605.28	541.40	63.88	9.475		
5,900.00	5,411.74	5,873.41	5,576.12	39.68	35.09	-150.02	-1,368.52	1,024.97	618.02	552.99	65.03	9.503		
6,000.00	5,501.42	5,972.59	5,669.41	40.44	35.72	-150.12	-1,395.86	1,044.58	630.77	564.58	66.19	9.530		
6,100.00	5,591.09	6,071.77	5,762.71	41.19	36.36	-150.22	-1,423.20	1,064.19	643.51	576.18	67.34	9.557		
6,200.00	5,680.76	6,170.95	5,856.01	41.94	36.99	-150.31	-1,450.54	1,083.79	656.26	587.77	68.49	9.582		
6,300.00	5,770.43	6,270.13	5,949.30	42.70	37.62	-150.40	-1,477.88	1,103.40	669.01	599.37	69.64	9.606		
6,400.00	5,860.10	6,369.31	6,042.60	43.45	38.25	-150.49	-1,505.22	1,123.01	681.76	610.97	70.79	9.630		
6,500.00	5,949.77	6,468.48	6,135.90	44.20	38.88	-150.57	-1,532.56	1,142.62	694.52	622.57	71.95	9.653		
6,600.00	6,039.45	6,567.66	6,229.20	44.96	39.51	-150.66	-1,559.90	1,162.23	707.27	634.17	73.10	9.675		
6,700.00	6,129.12	6,666.84	6,322.49	45.71	40.14	-150.74	-1,587.24	1,181.84	720.03	645.77	74.25	9.697		
6,800.00	6,218.79	6,771.65	6,422.10	46.46	40.75	-151.36	-1,616.39	1,195.66	732.43	657.16	75.27	9.731		
6,900.00	6,308.46	6,872.22	6,518.49	47.22	41.19	-153.18	-1,644.54	1,192.83	744.46	668.59	75.87	9.813		
6,969.86	6,371.11	6,937.22	6,580.10	47.75	41.41	-154.94	-1,662.48	1,182.60	753.36	677.26	76.10	9.899		
7,000.00	6,398.25	6,963.94	6,605.07	47.97	41.48	-161.35	-1,669.75	1,176.50	757.50	681.32	76.18	9.944		
7,050.00	6,443.70	7,007.39	6,645.10	48.31	41.60	-172.77	-1,681.39	1,164.28	764.80	688.50	76.30	10.024		
7,100.00	6,489.42	7,049.84	6,683.36	48.61	41.70	175.23	-1,692.50	1,149.61	772.56	696.14	76.41	10.110		
7,150.00	6,535.12	7,091.41	6,719.82	48.87	41.79	163.31	-1,703.07	1,132.71	780.68	704.15	76.53	10.201		
7,200.00	6,580.53	7,132.19	6,754.50	49.09	41.88	152.12	-1,713.11	1,113.76	789.06	712.42	76.63	10.296		
7,250.00	6,625.36	7,172.27	6,787.37	49.27	41.97	142.09	-1,722.62	1,092.92	797.59	720.86	76.74	10.394		
7,300.00	6,669.35	7,211.72	6,818.45	49.42	42.06	133.39	-1,731.60	1,070.34	806.19	729.35	76.84	10.492		
7,350.00	6,712.21	7,250.62	6,847.72	49.55	42.15	125.95	-1,740.04	1,046.16	814.75	737.82	76.94	10.590		
7,400.00	6,753.69	7,289.03	6,875.18	49.65	42.25	119.65	-1,747.94	1,020.50	823.19	746.13	77.05	10.684		
7,450.00	6,793.52	7,327.01	6,900.83	49.73	42.35	114.31	-1,755.31	993.49	831.40	754.22	77.18	10.772		
7,500.00	6,831.47	7,364.60	6,924.65	49.81	42.46	109.78	-1,762.14	965.22	839.32	761.98	77.34	10.852		
7,550.00	6,867.30	7,400.00	6,945.57	49.88	42.57	105.95	-1,768.13	937.31	846.87	769.33	77.53	10.923		
7,600.00	6,900.78	7,438.82	6,966.78	49.95	42.71	102.64	-1,774.18	905.37	853.97	776.16	77.81	10.976		
7,650.00	6,931.72	7,475.53	6,985.08	50.03	42.85	99.85	-1,779.38	873.98	860.56	782.41	78.14	11.013		
7,700.00	6,959.92	7,512.02	7,001.51	50.11	43.00	97.48	-1,784.04	841.75	866.58	788.02	78.56	11.030		
7,750.00	6,985.20	7,550.00	7,016.72	50.20	43.17	95.48	-1,788.32	807.21	871.99	792.91	79.08	11.027		
7,800.00	7,007.41	7,584.45	7,028.77	50.30	43.35	93.83	-1,791.70	775.12	876.72	797.01	79.72	10.998		
7,850.00	7,026.42	7,620.46	7,039.57	50.42	43.55	92.48	-1,794.70	740.91	880.76	800.29	80.47	10.945		
7,900.00	7,042.11	7,656.36	7,048.48	50.57	43.77	91.41	-1,797.15	706.22	884.07	802.73	81.34	10.869		
7,950.00	7,054.37	7,692.18	7,055.48	50.73	44.00	90.61	-1,799.03	671.15	886.61	804.28	82.34	10.768		
8,000.00	7,063.14	7,727.94	7,060.57	50.92	44.25	90.05	-1,800.36	635.77	888.38	804.92	83.45	10.645		
8,050.00	7,068.36	7,763.68	7,063.75	51.13	44.52	89.75	-1,801.13	600.19	889.35	804.67	84.68	10.503		
8,094.17	7,070.00	7,805.12	7,064.95	51.34	44.86	89.67	-1,801.35	570.30	889.54	803.54	86.00	10.344		
8,100.00	7,070.03	7,799.42	7,065.00	51.37	44.81	89.68	-1,801.33	564.48	889.53	803.54	85.99	10.344		
8,200.00	7,070.55	7,900.58	7,065.83	51.94	45.74	89.70	-1,801.12	464.48	889.45	800.84	88.61	10.038		
8,300.00	7,071.07	8,000.58	7,066.65	52.64	46.84	89.72	-1,800.91	364.48	889.36	797.87	91.49	9.721		
8,400.00	7,071.60	8,100.58	7,067.48	53.49	48.11	89.73	-1,800.71	264.49	889.28	794.64	94.64	9.397		
8,500.00	7,072.12	8,200.58	7,068.31	54.50	49.56	89.75	-1,800.50	164.49	889.19	791.18	98.01	9.072		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	8,300.58	7,069.13	55.69	51.15	89.77	-1,800.29	64.50	889.11	787.51	101.60	8.751		
8,700.00	7,073.17	8,400.58	7,069.96	57.04	52.87	89.79	-1,800.08	-35.50	889.02	783.65	105.38	8.437		
8,800.00	7,073.69	8,500.58	7,070.78	58.55	54.71	89.81	-1,799.87	-135.50	888.94	779.62	109.32	8.131		
8,900.00	7,074.21	8,600.58	7,071.61	60.21	56.66	89.83	-1,799.66	-235.49	888.85	775.43	113.42	7.837		
9,000.00	7,074.74	8,700.58	7,072.44	61.99	58.69	89.85	-1,799.45	-335.49	888.77	771.11	117.66	7.554		
9,100.00	7,075.26	8,800.58	7,073.26	63.88	60.80	89.87	-1,799.24	-435.48	888.69	766.67	122.01	7.284		
9,200.00	7,075.78	8,900.58	7,074.09	65.87	62.97	89.89	-1,799.03	-535.48	888.60	762.12	126.48	7.026		
9,300.00	7,076.30	9,000.58	7,074.91	67.95	65.21	89.91	-1,798.82	-635.48	888.52	757.48	131.04	6.781		
9,400.00	7,076.83	9,100.58	7,075.74	70.09	67.50	89.93	-1,798.61	-735.47	888.43	752.74	135.69	6.547		
9,500.00	7,077.35	9,200.58	7,076.57	72.30	69.83	89.95	-1,798.40	-835.47	888.35	747.93	140.42	6.326		
9,600.00	7,077.87	9,300.58	7,077.39	74.57	72.21	89.97	-1,798.20	-935.46	888.27	743.04	145.22	6.117		
9,700.00	7,078.40	9,400.58	7,078.22	76.88	74.62	89.99	-1,797.99	-1,035.46	888.18	738.09	150.09	5.918		
9,800.00	7,078.92	9,500.58	7,079.04	79.24	77.07	90.01	-1,797.78	-1,135.45	888.10	733.08	155.02	5.729		
9,900.00	7,079.44	9,600.59	7,079.87	81.63	79.54	90.03	-1,797.57	-1,235.45	888.01	728.02	159.99	5.550		
10,000.00	7,079.97	9,700.59	7,080.69	84.06	82.04	90.05	-1,797.36	-1,335.45	887.93	722.91	165.02	5.381		
10,100.00	7,080.49	9,800.59	7,081.52	86.52	84.57	90.07	-1,797.15	-1,435.44	887.85	717.76	170.09	5.220		
10,200.00	7,081.01	9,900.59	7,082.35	89.01	87.12	90.09	-1,796.94	-1,535.44	887.76	712.56	175.20	5.067		
10,300.00	7,081.54	10,000.59	7,083.17	91.52	89.68	90.11	-1,796.73	-1,635.43	887.68	707.33	180.35	4.922		
10,400.00	7,082.06	10,100.59	7,084.00	94.05	92.27	90.12	-1,796.52	-1,735.43	887.60	702.06	185.54	4.784		
10,500.00	7,082.58	10,200.59	7,084.82	96.61	94.87	90.14	-1,796.31	-1,835.43	887.52	696.77	190.75	4.653		
10,600.00	7,083.10	10,300.59	7,085.65	99.18	97.49	90.16	-1,796.10	-1,935.42	887.43	691.44	195.99	4.528		
10,700.00	7,083.63	10,400.59	7,086.48	101.77	100.12	90.18	-1,795.89	-2,035.42	887.35	686.09	201.26	4.409		
10,800.00	7,084.15	10,500.59	7,087.30	104.38	102.76	90.20	-1,795.69	-2,135.41	887.27	680.72	206.55	4.296		
10,900.00	7,084.67	10,600.59	7,088.13	107.00	105.42	90.22	-1,795.48	-2,235.41	887.19	675.32	211.87	4.187		
11,000.00	7,085.20	10,700.59	7,088.95	109.63	108.09	90.24	-1,795.27	-2,335.41	887.10	669.90	217.20	4.084		
11,100.00	7,085.72	10,800.59	7,089.78	112.27	110.76	90.26	-1,795.06	-2,435.40	887.02	664.47	222.56	3.986		
11,200.00	7,086.24	10,900.59	7,090.61	114.93	113.45	90.28	-1,794.85	-2,535.40	886.94	659.01	227.93	3.891		
11,300.00	7,086.77	11,000.59	7,091.43	117.59	116.14	90.30	-1,794.64	-2,635.39	886.86	653.54	233.32	3.801		
11,400.00	7,087.29	11,100.59	7,092.26	120.27	118.84	90.32	-1,794.43	-2,735.39	886.77	648.05	238.72	3.715		
11,500.00	7,087.81	11,200.59	7,093.08	122.95	121.55	90.34	-1,794.22	-2,835.38	886.69	642.55	244.14	3.632		
11,600.00	7,088.33	11,300.59	7,093.91	125.64	124.27	90.36	-1,794.01	-2,935.38	886.61	637.04	249.58	3.552		
11,700.00	7,088.86	11,400.59	7,094.73	128.34	126.99	90.38	-1,793.80	-3,035.38	886.53	631.51	255.02	3.476		
11,800.00	7,089.38	11,500.59	7,095.56	131.05	129.72	90.40	-1,793.59	-3,135.37	886.45	625.97	260.48	3.403		
11,900.00	7,089.90	11,600.60	7,096.39	133.76	132.46	90.42	-1,793.38	-3,235.37	886.37	620.42	265.95	3.333		
12,000.00	7,090.43	11,700.60	7,097.21	136.49	135.20	90.44	-1,793.18	-3,335.36	886.29	614.86	271.43	3.265		
12,100.00	7,090.95	11,799.40	7,098.04	139.21	137.91	90.46	-1,792.97	-3,435.36	886.20	609.32	276.89	3.201		
12,200.00	7,091.47	11,900.60	7,098.86	141.94	140.69	90.48	-1,792.76	-3,535.36	886.12	603.71	282.42	3.138		
12,300.00	7,092.00	12,000.60	7,099.69	144.68	143.44	90.50	-1,792.55	-3,635.35	886.04	598.12	287.92	3.077		
12,400.00	7,092.52	12,100.60	7,100.52	147.42	146.20	90.52	-1,792.34	-3,735.35	885.96	592.52	293.44	3.019		
12,500.00	7,093.04	12,200.60	7,101.34	150.17	148.96	90.54	-1,792.13	-3,835.34	885.88	586.92	298.96	2.963		
12,600.00	7,093.57	12,300.60	7,102.17	152.92	151.73	90.56	-1,791.92	-3,935.34	885.80	581.31	304.49	2.909		
12,700.00	7,094.09	12,400.60	7,102.99	155.67	154.50	90.58	-1,791.71	-4,035.34	885.72	575.69	310.03	2.857		
12,800.00	7,094.61	12,500.60	7,103.82	158.43	157.27	90.60	-1,791.50	-4,135.33	885.64	570.06	315.58	2.806		
12,900.00	7,095.13	12,600.60	7,104.65	161.19	160.05	90.62	-1,791.29	-4,235.33	885.56	564.43	321.13	2.758		
13,000.00	7,095.66	12,700.60	7,105.47	163.96	162.83	90.63	-1,791.08	-4,335.32	885.48	558.80	326.68	2.711		
13,100.00	7,096.18	12,800.60	7,106.30	166.73	165.61	90.65	-1,790.87	-4,435.32	885.40	553.15	332.25	2.665		
13,200.00	7,096.70	12,900.60	7,107.12	169.50	168.39	90.67	-1,790.67	-4,535.31	885.32	547.51	337.81	2.621		
13,256.62	7,097.00	12,956.02	7,107.59	171.07	169.94	90.69	-1,790.55	-4,591.93	885.27	544.34	340.93	2.597 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-178.93	-14.94	-0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	-178.93	-14.94	-0.28	14.94	8.37	6.57	2.274		
200.00	200.00	200.00	200.00	3.34	3.34	-178.93	-14.94	-0.28	14.94	8.27	6.67	2.238		
300.00	300.00	300.00	300.00	3.44	3.44	-178.93	-14.94	-0.28	14.94	8.05	6.89	2.168 CC		
400.00	399.98	399.53	399.51	3.60	3.60	27.76	-16.50	0.45	14.95	7.76	7.20	2.077		
500.00	499.84	499.07	498.91	3.79	3.79	28.30	-21.21	2.63	15.00	7.41	7.59	1.975		
600.00	599.45	598.60	598.06	4.02	4.02	29.20	-29.04	6.26	15.08	7.00	8.08	1.867		
700.00	698.70	698.14	696.86	4.29	4.29	30.45	-39.99	11.34	15.20	6.57	8.63	1.761		
800.00	797.47	797.68	795.18	4.59	4.59	32.01	-54.05	17.86	15.36	6.12	9.25	1.661		
900.00	895.62	897.21	892.90	4.93	4.92	33.88	-71.20	25.82	15.57	5.66	9.91	1.571		
1,000.00	993.06	996.76	989.91	5.31	5.30	36.01	-91.43	35.19	15.84	5.22	10.63	1.491 Level 3		
1,100.00	1,089.64	1,096.30	1,086.09	5.72	5.70	38.36	-114.69	45.98	16.18	4.79	11.39	1.421 Level 3		
1,200.00	1,185.27	1,195.85	1,181.32	6.16	6.14	40.91	-140.98	58.17	16.60	4.40	12.20	1.360 Level 3		
1,300.00	1,279.82	1,295.40	1,275.49	6.64	6.61	43.59	-170.25	71.75	17.09	4.02	13.07	1.308 Level 3		
1,400.00	1,373.17	1,394.96	1,368.49	7.16	7.12	46.36	-202.47	86.69	17.68	3.68	14.00	1.263 Level 3		
1,500.00	1,465.21	1,494.52	1,460.21	7.71	7.67	49.16	-237.61	102.99	18.37	3.36	15.01	1.224 Level 2		
1,600.00	1,555.84	1,594.08	1,550.52	8.31	8.26	51.97	-275.61	120.61	19.16	3.06	16.10	1.190 Level 2		
1,613.50	1,567.96	1,607.53	1,562.60	8.39	8.34	52.34	-280.96	123.09	19.27	3.02	16.25	1.186 Level 2		
1,700.00	1,645.53	1,693.83	1,639.63	8.93	8.89	52.48	-316.27	139.47	20.64	3.42	17.22	1.198 Level 2		
1,800.00	1,735.20	1,806.19	1,728.69	9.58	9.62	51.84	-357.49	158.58	22.46	4.02	18.44	1.218 Level 2		
1,900.00	1,824.87	1,906.21	1,817.75	10.25	10.29	51.29	-398.71	177.70	24.29	4.67	19.62	1.238 Level 2		
2,000.00	1,914.54	2,006.22	1,906.81	10.92	10.98	50.82	-439.93	196.82	26.12	5.30	20.82	1.254 Level 3		
2,100.00	2,004.21	2,106.24	1,995.87	11.61	11.68	50.41	-481.15	215.93	27.95	5.91	22.04	1.268 Level 3		
2,200.00	2,093.89	2,206.26	2,084.94	12.30	12.38	50.06	-522.37	235.05	29.78	6.51	23.26	1.280 Level 3		
2,300.00	2,183.56	2,306.27	2,174.00	13.01	13.09	49.74	-563.60	254.17	31.61	7.11	24.51	1.290 Level 3		
2,400.00	2,273.23	2,406.29	2,263.06	13.71	13.81	49.46	-604.82	273.28	33.44	7.69	25.76	1.298 Level 3		
2,500.00	2,362.90	2,506.31	2,352.12	14.43	14.53	49.21	-646.04	292.40	35.28	8.26	27.02	1.306 Level 3		
2,600.00	2,452.57	2,606.33	2,441.18	15.14	15.26	48.98	-687.26	311.52	37.11	8.83	28.29	1.312 Level 3		
2,700.00	2,542.25	2,706.34	2,530.24	15.87	15.99	48.77	-728.48	330.63	38.95	9.39	29.56	1.318 Level 3		
2,800.00	2,631.92	2,793.64	2,619.31	16.59	16.63	48.59	-769.70	349.75	40.78	10.03	30.76	1.326 Level 3		
2,900.00	2,721.59	2,893.62	2,708.37	17.32	17.37	48.42	-810.92	368.87	42.62	10.58	32.04	1.330 Level 3		
3,000.00	2,811.26	3,006.39	2,797.43	18.05	18.21	48.26	-852.14	387.98	44.46	11.04	33.42	1.330 Level 3		
3,100.00	2,900.93	3,106.41	2,886.49	18.78	18.95	48.11	-893.36	407.10	46.29	11.58	34.71	1.334 Level 3		
3,200.00	2,990.60	3,206.43	2,975.55	19.51	19.70	47.98	-934.58	426.22	48.13	12.12	36.01	1.337 Level 3		
3,300.00	3,080.28	3,306.44	3,064.62	20.25	20.44	47.86	-975.80	445.33	49.97	12.66	37.31	1.339 Level 3		
3,400.00	3,169.95	3,406.46	3,153.68	20.99	21.19	47.74	-1,017.03	464.45	51.81	13.19	38.61	1.342 Level 3		
3,500.00	3,259.62	3,506.48	3,242.74	21.73	21.94	47.63	-1,058.25	483.57	53.64	13.73	39.92	1.344 Level 3		
3,600.00	3,349.29	3,593.51	3,331.80	22.47	22.60	47.54	-1,099.47	502.68	55.48	14.34	41.14	1.349 Level 3		
3,700.00	3,438.96	3,706.51	3,420.86	23.21	23.45	47.44	-1,140.69	521.80	57.32	14.78	42.54	1.347 Level 3		
3,800.00	3,528.64	3,806.53	3,509.92	23.95	24.20	47.35	-1,181.91	540.92	59.16	15.31	43.85	1.349 Level 3		
3,900.00	3,618.31	3,893.45	3,598.99	24.69	24.86	47.27	-1,223.13	560.03	61.00	15.92	45.08	1.353 Level 3		
4,000.00	3,707.98	3,993.44	3,688.05	25.44	25.61	47.19	-1,264.35	579.15	62.83	16.44	46.39	1.354 Level 3		
4,100.00	3,797.65	4,106.58	3,777.11	26.18	26.47	47.12	-1,305.57	598.27	64.67	16.87	47.80	1.353 Level 3		
4,200.00	3,887.32	4,193.40	3,866.17	26.93	27.13	47.05	-1,346.79	617.38	66.51	17.48	49.03	1.357 Level 3		
4,300.00	3,976.99	4,306.61	3,955.23	27.68	27.99	46.99	-1,388.01	636.50	68.35	17.91	50.44	1.355 Level 3		
4,400.00	4,066.67	4,406.63	4,044.30	28.42	28.74	46.92	-1,429.24	655.62	70.19	18.43	51.76	1.356 Level 3		
4,500.00	4,156.34	4,506.65	4,133.36	29.17	29.50	46.87	-1,470.46	674.73	72.03	18.95	53.08	1.357 Level 3		
4,600.00	4,246.01	4,606.66	4,222.42	29.92	30.26	46.81	-1,511.68	693.85	73.87	19.46	54.41	1.358 Level 3		
4,700.00	4,335.68	4,706.68	4,311.48	30.67	31.02	46.76	-1,552.90	712.97	75.71	19.98	55.73	1.358 Level 3		
4,800.00	4,425.35	4,806.70	4,400.54	31.42	31.78	46.71	-1,594.12	732.08	77.55	20.49	57.06	1.359 Level 3		
4,900.00	4,515.03	4,893.29	4,489.60	32.17	32.44	46.66	-1,635.34	751.20	79.38	21.09	58.29	1.362 Level 3		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (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	4,604.70	5,006.73	4,578.67	32.92	33.31	46.61	-1,676.56	770.32	81.22	21.52	59.71	1.360	Level 3	
5,100.00	4,694.37	5,106.75	4,667.73	33.67	34.07	46.57	-1,717.78	789.43	83.06	22.03	61.04	1.361	Level 3	
5,200.00	4,784.04	5,193.23	4,756.79	34.42	34.73	46.52	-1,759.00	808.55	84.90	22.63	62.27	1.363	Level 3	
5,300.00	4,873.71	5,306.78	4,845.85	35.17	35.60	46.48	-1,800.22	827.67	86.74	23.05	63.69	1.362	Level 3	
5,400.00	4,963.38	5,393.20	4,934.91	35.92	36.25	46.45	-1,841.44	846.78	88.58	23.65	64.93	1.364	Level 3	
5,500.00	5,053.06	5,493.18	5,023.97	36.67	37.02	46.41	-1,882.67	865.90	90.42	24.16	66.26	1.365	Level 3	
5,600.00	5,142.73	5,606.83	5,113.04	37.43	37.89	46.37	-1,923.89	885.02	92.26	24.58	67.68	1.363	Level 3	
5,700.00	5,232.40	5,706.85	5,202.10	38.18	38.65	46.34	-1,965.11	904.13	94.10	25.09	69.01	1.364	Level 3	
5,800.00	5,322.07	5,806.87	5,291.16	38.93	39.41	46.31	-2,006.33	923.25	95.94	25.60	70.34	1.364	Level 3	
5,900.00	5,411.74	5,906.88	5,380.22	39.68	40.18	46.27	-2,047.55	942.37	97.78	26.10	71.68	1.364	Level 3	
6,000.00	5,501.42	6,006.90	5,469.28	40.44	40.94	46.24	-2,088.77	961.48	99.62	26.61	73.01	1.364	Level 3	
6,100.00	5,591.09	6,106.92	5,558.35	41.19	41.71	46.21	-2,129.99	980.60	101.46	27.12	74.34	1.365	Level 3	
6,200.00	5,680.76	6,206.94	5,647.41	41.94	42.47	46.19	-2,171.21	999.72	103.30	27.63	75.67	1.365	Level 3	
6,300.00	5,770.43	6,306.95	5,736.47	42.70	43.24	46.16	-2,212.43	1,018.83	105.14	28.13	77.01	1.365	Level 3	
6,400.00	5,860.10	6,406.97	5,825.53	43.45	44.00	46.13	-2,253.65	1,037.95	106.98	28.64	78.34	1.366	Level 3	
6,500.00	5,949.77	6,506.99	5,914.59	44.20	44.77	46.11	-2,294.87	1,057.07	108.82	29.14	79.67	1.366	Level 3	
6,600.00	6,039.45	6,607.00	6,003.65	44.96	45.54	46.08	-2,336.10	1,076.18	110.66	29.65	81.01	1.366	Level 3	
6,700.00	6,129.12	6,692.98	6,092.72	45.71	46.19	46.06	-2,377.32	1,095.30	112.50	30.25	82.25	1.368	Level 3	
6,800.00	6,218.79	6,807.04	6,181.78	46.46	47.07	46.03	-2,418.54	1,114.42	114.34	30.66	83.68	1.366	Level 3	
6,900.00	6,308.46	6,892.95	6,270.84	47.22	47.73	46.01	-2,459.76	1,133.53	116.18	31.26	84.92	1.368	Level 3	
6,969.86	6,371.11	6,962.80	6,333.06	47.75	48.26	46.00	-2,488.56	1,146.89	117.46	31.61	85.85	1.368	Level 3	
7,000.00	6,398.25	6,992.92	6,359.90	47.97	48.49	40.47	-2,500.98	1,152.65	117.76	31.62	86.13	1.367	Level 3	
7,050.00	6,443.70	7,042.74	6,404.27	48.31	48.87	28.96	-2,521.52	1,162.17	117.17	31.11	86.06	1.362	Level 3	
7,100.00	6,489.42	7,092.09	6,448.23	48.61	49.25	14.92	-2,541.86	1,171.61	115.62	30.34	85.28	1.356	Level 3	
7,150.00	6,535.12	7,140.67	6,491.51	48.87	49.62	-0.97	-2,561.89	1,180.90	113.88	30.07	83.81	1.359	Level 3	
7,194.68	6,575.72	7,183.19	6,529.38	49.07	49.95	-16.08	-2,579.42	1,189.03	113.13	31.03	82.10	1.378	Level 3	
7,200.00	6,580.53	7,188.18	6,533.82	49.09	49.99	-17.90	-2,581.48	1,189.98	113.15	31.26	81.89	1.382	Level 3	
7,250.00	6,625.36	7,235.18	6,575.86	49.27	50.33	-34.63	-2,600.93	1,197.88	114.82	34.58	80.23	1.431	Level 3	
7,300.00	6,669.35	7,283.45	6,619.47	49.42	50.66	-49.81	-2,621.09	1,202.48	119.31	39.67	79.64	1.498	Level 3	
7,350.00	6,712.21	7,333.18	6,664.60	49.55	50.96	-63.17	-2,641.93	1,203.40	126.35	46.43	79.92	1.581		
7,400.00	6,753.69	7,384.52	6,711.12	49.65	51.23	-74.69	-2,663.39	1,200.28	135.52	54.98	80.53	1.683		
7,450.00	6,793.52	7,437.62	6,758.84	49.73	51.47	-84.48	-2,685.38	1,192.72	146.31	65.40	80.91	1.808		
7,500.00	6,831.47	7,492.64	6,807.51	49.81	51.67	-92.75	-2,707.79	1,180.30	158.26	77.61	80.65	1.962		
7,550.00	6,867.30	7,549.73	6,856.80	49.88	51.84	-99.70	-2,730.45	1,162.57	170.92	91.41	79.51	2.150		
7,600.00	6,900.78	7,609.05	6,906.28	49.95	51.97	-105.52	-2,753.17	1,139.08	183.88	106.49	77.39	2.376		
7,650.00	6,931.72	7,670.73	6,955.41	50.03	52.08	-110.40	-2,775.69	1,109.40	196.80	122.50	74.30	2.649		
7,700.00	6,959.92	7,734.89	7,003.49	50.11	52.18	-114.48	-2,797.70	1,073.13	209.34	139.02	70.32	2.977		
7,750.00	6,985.20	7,801.57	7,049.71	50.20	52.26	-117.87	-2,818.81	1,029.99	221.21	155.58	65.62	3.371		
7,800.00	7,007.41	7,870.79	7,093.10	50.30	52.35	-120.67	-2,838.58	979.85	232.12	171.63	60.50	3.837		
7,850.00	7,026.42	7,942.48	7,132.55	50.42	52.45	-122.93	-2,856.49	922.80	241.82	186.42	55.40	4.365		
7,900.00	7,042.11	8,016.44	7,166.90	50.57	52.58	-124.72	-2,872.02	859.21	250.07	199.04	51.04	4.900		
7,950.00	7,054.37	8,092.40	7,194.98	50.73	52.74	-126.07	-2,884.61	789.81	256.66	208.40	48.27	5.318		
8,000.00	7,063.14	8,169.96	7,215.71	50.92	52.94	-127.00	-2,893.79	715.68	261.42	213.46	47.96	5.451		
8,050.00	7,068.36	8,248.62	7,228.23	51.13	53.20	-127.54	-2,899.16	638.26	264.20	213.73	50.48	5.234		
8,094.17	7,070.00	8,318.57	7,232.01	51.34	53.48	-127.69	-2,900.54	568.47	264.97	210.15	54.81	4.834		
8,095.51	7,070.00	8,320.69	7,232.01	51.35	53.48	-127.69	-2,900.53	566.35	264.97	210.00	54.97	4.820		
8,100.00	7,070.03	8,323.99	7,232.04	51.37	53.50	-127.69	-2,900.52	563.05	264.97	210.10	54.87	4.829		
8,200.00	7,070.55	8,423.99	7,232.62	51.94	53.99	-127.70	-2,900.26	463.05	265.03	207.92	57.11	4.641		
8,300.00	7,071.07	8,523.99	7,233.20	52.64	54.60	-127.71	-2,900.00	363.05	265.09	205.47	59.63	4.446		
8,400.00	7,071.60	8,623.99	7,233.78	53.49	55.33	-127.71	-2,899.74	263.06	265.15	202.76	62.39	4.250		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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			
8,500.00	7,072.12	8,723.99	7,234.36	54.50	56.22	-127.72	-2,899.48	163.06	265.21	199.83	65.38	4.057			
8,600.00	7,072.64	8,823.99	7,234.94	55.69	57.27	-127.72	-2,899.22	63.06	265.27	196.72	68.55	3.870			
8,700.00	7,073.17	8,923.99	7,235.52	57.04	58.50	-127.73	-2,898.96	-36.94	265.33	193.44	71.89	3.691			
8,800.00	7,073.69	9,023.99	7,236.11	58.55	59.88	-127.73	-2,898.69	-136.94	265.40	190.02	75.37	3.521			
8,900.00	7,074.21	9,123.99	7,236.69	60.21	61.43	-127.74	-2,898.43	-236.93	265.46	186.48	78.98	3.361			
9,000.00	7,074.74	9,223.99	7,237.27	61.99	63.11	-127.75	-2,898.17	-336.93	265.52	182.82	82.69	3.211			
9,100.00	7,075.26	9,323.99	7,237.85	63.88	64.92	-127.75	-2,897.91	-436.93	265.58	179.08	86.50	3.070			
9,200.00	7,075.78	9,423.99	7,238.43	65.87	66.83	-127.76	-2,897.65	-536.93	265.64	175.25	90.39	2.939			
9,300.00	7,076.30	9,523.99	7,239.01	67.95	68.84	-127.76	-2,897.39	-636.93	265.70	171.35	94.35	2.816			
9,400.00	7,076.83	9,623.99	7,239.59	70.09	70.92	-127.77	-2,897.13	-736.92	265.76	167.39	98.37	2.702			
9,500.00	7,077.35	9,723.99	7,240.17	72.30	73.08	-127.77	-2,896.87	-836.92	265.82	163.37	102.44	2.595			
9,600.00	7,077.87	9,823.99	7,240.75	74.57	75.30	-127.78	-2,896.60	-936.92	265.88	159.31	106.57	2.495			
9,700.00	7,078.40	9,923.99	7,241.33	76.88	77.57	-127.79	-2,896.34	-1,036.92	265.94	155.20	110.74	2.402			
9,800.00	7,078.92	10,023.99	7,241.92	79.24	79.89	-127.79	-2,896.08	-1,136.92	266.00	151.05	114.95	2.314			
9,900.00	7,079.44	10,123.99	7,242.50	81.63	82.25	-127.80	-2,895.82	-1,236.91	266.06	146.87	119.19	2.232			
10,000.00	7,079.97	10,223.99	7,243.08	84.06	84.65	-127.80	-2,895.56	-1,336.91	266.12	142.66	123.46	2.156			
10,100.00	7,080.49	10,323.99	7,243.66	86.52	87.08	-127.81	-2,895.30	-1,436.91	266.18	138.42	127.76	2.083			
10,200.00	7,081.01	10,423.99	7,244.24	89.01	89.54	-127.81	-2,895.04	-1,536.91	266.24	134.16	132.08	2.016			
10,300.00	7,081.54	10,523.99	7,244.82	91.52	92.03	-127.82	-2,894.78	-1,636.91	266.30	129.87	136.43	1.952			
10,400.00	7,082.06	10,623.99	7,245.40	94.05	94.54	-127.83	-2,894.51	-1,736.90	266.36	125.56	140.80	1.892			
10,500.00	7,082.58	10,723.99	7,245.98	96.61	97.07	-127.83	-2,894.25	-1,836.90	266.42	121.24	145.19	1.835			
10,600.00	7,083.10	10,823.99	7,246.56	99.18	99.62	-127.84	-2,893.99	-1,936.90	266.48	116.89	149.59	1.781			
10,700.00	7,083.63	10,923.99	7,247.14	101.77	102.20	-127.84	-2,893.73	-2,036.90	266.54	112.54	154.01	1.731			
10,800.00	7,084.15	11,023.99	7,247.73	104.38	104.78	-127.85	-2,893.47	-2,136.89	266.60	108.17	158.44	1.683			
10,900.00	7,084.67	11,123.99	7,248.31	107.00	107.39	-127.85	-2,893.21	-2,236.89	266.66	103.78	162.88	1.637			
11,000.00	7,085.20	11,223.99	7,248.89	109.63	110.00	-127.86	-2,892.95	-2,336.89	266.72	99.39	167.34	1.594			
11,100.00	7,085.72	11,323.99	7,249.47	112.27	112.63	-127.86	-2,892.69	-2,436.89	266.78	94.98	171.80	1.553			
11,200.00	7,086.24	11,423.99	7,250.05	114.93	115.27	-127.87	-2,892.42	-2,536.89	266.85	90.56	176.28	1.514			
11,300.00	7,086.77	11,523.99	7,250.63	117.59	117.93	-127.88	-2,892.16	-2,636.88	266.91	86.14	180.77	1.477 Level 3			
11,400.00	7,087.29	11,623.99	7,251.21	120.27	120.59	-127.88	-2,891.90	-2,736.88	266.97	81.70	185.26	1.441 Level 3			
11,500.00	7,087.81	11,723.99	7,251.79	122.95	123.26	-127.89	-2,891.64	-2,836.88	267.03	77.26	189.76	1.407 Level 3			
11,600.00	7,088.33	11,823.99	7,252.37	125.64	125.94	-127.89	-2,891.38	-2,936.88	267.09	72.82	194.27	1.375 Level 3			
11,700.00	7,088.86	11,923.99	7,252.96	128.34	128.63	-127.90	-2,891.12	-3,036.88	267.15	68.36	198.79	1.344 Level 3			
11,800.00	7,089.38	12,023.99	7,253.54	131.05	131.33	-127.90	-2,890.86	-3,136.87	267.21	63.90	203.31	1.314 Level 3			
11,900.00	7,089.90	12,123.99	7,254.12	133.76	134.03	-127.91	-2,890.60	-3,236.87	267.27	59.43	207.84	1.286 Level 3			
12,000.00	7,090.43	12,223.99	7,254.70	136.49	136.74	-127.92	-2,890.33	-3,336.87	267.33	54.96	212.37	1.259 Level 3			
12,100.00	7,090.95	12,323.99	7,255.28	139.21	139.46	-127.92	-2,890.07	-3,436.87	267.39	50.48	216.91	1.233 Level 2			
12,200.00	7,091.47	12,423.99	7,255.86	141.94	142.18	-127.93	-2,889.81	-3,536.87	267.45	46.00	221.45	1.208 Level 2			
12,300.00	7,092.00	12,523.99	7,256.44	144.68	144.91	-127.93	-2,889.55	-3,636.86	267.51	41.52	225.99	1.184 Level 2			
12,400.00	7,092.52	12,623.99	7,257.02	147.42	147.65	-127.94	-2,889.29	-3,736.86	267.57	37.03	230.54	1.161 Level 2			
12,500.00	7,093.04	12,723.99	7,257.60	150.17	150.38	-127.94	-2,889.03	-3,836.86	267.63	32.53	235.10	1.138 Level 2			
12,600.00	7,093.57	12,823.99	7,258.18	152.92	153.13	-127.95	-2,888.77	-3,936.86	267.69	28.04	239.66	1.117 Level 2			
12,700.00	7,094.09	12,923.99	7,258.77	155.67	155.88	-127.96	-2,888.51	-4,036.86	267.75	23.53	244.22	1.096 Level 2			
12,800.00	7,094.61	13,023.99	7,259.35	158.43	158.63	-127.96	-2,888.25	-4,136.85	267.81	19.03	248.78	1.076 Level 2			
12,900.00	7,095.13	13,123.99	7,259.93	161.19	161.38	-127.97	-2,887.99	-4,236.85	267.87	14.53	253.35	1.057 Level 2			
13,000.00	7,095.66	13,223.99	7,260.51	163.96	164.14	-127.97	-2,887.72	-4,336.85	267.93	10.02	257.92	1.039 Level 2			
13,100.00	7,096.18	13,323.99	7,261.09	166.73	166.91	-127.98	-2,887.46	-4,436.85	267.99	5.51	262.49	1.021 Level 2			
13,200.00	7,096.70	13,423.99	7,261.67	169.50	169.67	-127.98	-2,887.20	-4,536.85	268.05	0.99	267.06	1.004 Level 2			
13,256.62	7,097.00	13,480.60	7,262.00	171.07	171.24	-127.99	-2,887.05	-4,593.46	268.09	-1.56	269.65	0.994 Level 1, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	0.46	240.07	1.95	240.08					
100.00	100.00	100.00	100.00	3.28	3.28	0.46	240.07	1.95	240.08	233.51	6.57	36.546		
200.00	200.00	200.00	200.00	3.34	3.34	0.46	240.07	1.95	240.08	233.41	6.67	35.972 CC, ES		
300.00	300.00	296.55	296.54	3.44	3.44	0.82	240.75	3.43	240.80	233.91	6.89	34.970		
400.00	399.98	392.88	392.73	3.60	3.59	-151.79	242.76	7.86	244.53	237.34	7.19	34.000		
500.00	499.84	488.66	488.17	3.79	3.78	-150.60	246.09	15.18	252.89	245.30	7.59	33.337		
600.00	599.45	583.60	582.45	4.02	4.02	-149.20	250.68	25.29	265.90	257.84	8.06	32.989		
700.00	698.70	677.40	675.19	4.29	4.28	-147.68	256.49	38.08	283.58	274.98	8.60	32.965		
800.00	797.47	769.77	766.02	4.59	4.56	-146.11	263.44	53.36	305.90	296.70	9.20	33.250		
900.00	895.62	862.75	856.91	4.93	4.88	-144.56	271.54	71.20	332.67	322.83	9.84	33.802		
1,000.00	993.06	958.06	949.97	5.31	5.23	-143.37	280.07	89.95	362.55	352.02	10.53	34.418		
1,100.00	1,089.64	1,052.56	1,042.24	5.72	5.60	-142.58	288.52	108.54	395.14	383.88	11.26	35.093		
1,200.00	1,185.27	1,146.16	1,133.62	6.16	5.99	-142.10	296.88	126.95	430.34	418.32	12.02	35.808		
1,300.00	1,279.82	1,238.72	1,224.00	6.64	6.38	-141.87	305.16	145.16	468.11	455.31	12.80	36.561		
1,400.00	1,373.17	1,330.15	1,313.27	7.16	6.77	-141.81	313.33	163.15	508.43	494.81	13.61	37.348		
1,500.00	1,465.21	1,420.33	1,401.31	7.71	7.17	-141.89	321.40	180.89	551.28	536.84	14.44	38.170		
1,600.00	1,555.84	1,509.14	1,488.03	8.31	7.57	-142.05	329.34	198.36	596.68	581.39	15.29	39.024		
1,613.50	1,567.96	1,521.02	1,499.63	8.39	7.63	-142.08	330.40	200.70	603.00	587.59	15.41	39.130		
1,700.00	1,645.53	1,602.95	1,573.87	8.93	8.00	-142.78	337.20	215.66	643.70	627.52	16.17	39.796		
1,800.00	1,735.20	1,684.95	1,659.69	9.58	8.38	-143.48	345.06	232.95	690.83	673.81	17.02	40.600		
1,900.00	1,824.87	1,772.85	1,745.51	10.25	8.79	-144.10	352.92	250.24	738.03	720.13	17.90	41.238		
2,000.00	1,914.54	1,860.75	1,831.33	10.92	9.21	-144.64	360.77	267.54	785.29	766.50	18.79	41.793		
2,100.00	2,004.21	1,948.65	1,917.15	11.61	9.62	-145.12	368.63	284.83	832.59	812.90	19.69	42.279		
2,200.00	2,093.89	2,036.55	2,002.97	12.30	10.04	-145.55	376.49	302.12	879.94	859.34	20.60	42.706		
2,300.00	2,183.56	2,124.45	2,088.80	13.01	10.47	-145.93	384.35	319.42	927.33	905.80	21.52	43.083		
2,400.00	2,273.23	2,212.34	2,174.62	13.71	10.89	-146.28	392.21	336.71	974.74	952.29	22.45	43.418		
2,500.00	2,362.90	2,300.24	2,260.44	14.43	11.32	-146.60	400.07	354.00	1,022.18	998.80	23.38	43.717		
2,600.00	2,452.57	2,388.14	2,346.26	15.14	11.74	-146.88	407.93	371.29	1,069.64	1,045.32	24.32	43.985		
2,700.00	2,542.25	2,476.04	2,432.08	15.87	12.17	-147.15	415.79	388.59	1,117.12	1,091.86	25.26	44.226		
2,800.00	2,631.92	2,563.94	2,517.90	16.59	12.60	-147.39	423.65	405.88	1,164.61	1,138.41	26.20	44.444		
2,900.00	2,721.59	2,651.84	2,603.72	17.32	13.04	-147.61	431.50	423.17	1,212.12	1,184.97	27.15	44.641		
3,000.00	2,811.26	2,739.73	2,689.55	18.05	13.47	-147.82	439.36	440.46	1,259.65	1,231.54	28.10	44.821		
3,100.00	2,900.93	2,827.63	2,775.37	18.78	13.90	-148.01	447.22	457.76	1,307.18	1,278.12	29.06	44.984		
3,200.00	2,990.60	2,915.53	2,861.19	19.51	14.34	-148.19	455.08	475.05	1,354.73	1,324.71	30.02	45.134		
3,300.00	3,080.28	3,003.43	2,947.01	20.25	14.77	-148.35	462.94	492.34	1,402.28	1,371.31	30.98	45.271		
3,400.00	3,169.95	3,091.33	3,032.83	20.99	15.21	-148.51	470.80	509.64	1,449.85	1,417.91	31.94	45.397		
3,500.00	3,259.62	3,179.23	3,118.65	21.73	15.65	-148.65	478.66	526.93	1,497.42	1,464.52	32.90	45.514		
3,600.00	3,349.29	3,267.13	3,204.48	22.47	16.08	-148.79	486.52	544.22	1,545.00	1,511.13	33.87	45.621		
3,700.00	3,438.96	3,355.02	3,290.30	23.21	16.52	-148.92	494.38	561.51	1,592.58	1,557.75	34.83	45.721		
3,800.00	3,528.64	3,442.92	3,376.12	23.95	16.96	-149.04	502.23	578.81	1,640.17	1,604.37	35.80	45.814		
3,900.00	3,618.31	3,530.82	3,461.94	24.69	17.40	-149.15	510.09	596.10	1,687.77	1,651.00	36.77	45.900		
4,000.00	3,707.98	3,618.72	3,547.76	25.44	17.84	-149.26	517.95	613.39	1,735.37	1,697.63	37.74	45.980		
4,100.00	3,797.65	3,706.62	3,633.58	26.18	18.28	-149.36	525.81	630.68	1,782.98	1,744.26	38.71	46.055		
4,200.00	3,887.32	3,805.48	3,719.41	26.93	18.78	-149.46	533.67	647.98	1,830.59	1,790.85	39.74	46.062		
4,300.00	3,976.99	3,882.42	3,805.23	27.68	19.16	-149.55	541.53	665.27	1,878.20	1,837.54	40.66	46.191		
4,400.00	4,066.67	3,970.31	3,891.05	28.42	19.60	-149.64	549.39	682.56	1,925.82	1,884.18	41.64	46.252		
4,500.00	4,156.34	4,058.21	3,976.87	29.17	20.04	-149.72	557.25	699.86	1,973.44	1,930.82	42.61	46.310		
4,600.00	4,246.01	4,146.11	4,062.69	29.92	20.49	-149.80	565.11	717.15	2,021.06	1,977.47	43.59	46.365		
4,700.00	4,335.68	4,234.01	4,148.51	30.67	20.93	-149.87	572.96	734.44	2,068.69	2,024.12	44.57	46.416		
4,800.00	4,425.35	4,321.91	4,234.33	31.42	21.37	-149.95	580.82	751.73	2,116.32	2,070.77	45.55	46.464		
4,900.00	4,515.03	4,409.81	4,320.16	32.17	21.81	-150.01	588.68	769.03	2,163.95	2,117.42	46.53	46.510		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,497.70	4,405.98	32.92	22.26	-150.08	596.54	786.32	2,211.58	2,164.08	47.51	46.553		
5,100.00	4,694.37	4,585.60	4,491.80	33.67	22.70	-150.14	604.40	803.61	2,259.22	2,210.73	48.49	46.594		
5,200.00	4,784.04	4,673.50	4,577.62	34.42	23.14	-150.20	612.26	820.90	2,306.86	2,257.39	49.47	46.633		
5,300.00	4,873.71	4,761.40	4,663.44	35.17	23.59	-150.26	620.12	838.20	2,354.49	2,304.04	50.45	46.669		
5,400.00	4,963.38	4,849.30	4,749.26	35.92	24.03	-150.32	627.98	855.49	2,402.14	2,350.70	51.43	46.704		
5,500.00	5,053.06	4,937.20	4,835.09	36.67	24.47	-150.37	635.84	872.78	2,449.78	2,397.36	52.42	46.737		
5,600.00	5,142.73	5,025.10	4,920.91	37.43	24.92	-150.42	643.69	890.08	2,497.42	2,444.03	53.40	46.769		
5,700.00	5,232.40	5,112.99	5,006.73	38.18	25.36	-150.47	651.55	907.37	2,545.07	2,490.69	54.38	46.799		
5,800.00	5,322.07	5,200.89	5,092.55	38.93	25.81	-150.52	659.41	924.66	2,592.72	2,537.35	55.37	46.827		
5,900.00	5,411.74	5,288.79	5,178.37	39.68	26.25	-150.57	667.27	941.95	2,640.37	2,584.01	56.35	46.854		
6,000.00	5,501.42	5,376.69	5,264.19	40.44	26.69	-150.61	675.13	959.25	2,688.02	2,630.68	57.34	46.880		
6,100.00	5,591.09	5,464.59	5,350.02	41.19	27.14	-150.65	682.99	976.54	2,735.67	2,677.35	58.32	46.905		
6,200.00	5,680.76	5,552.49	5,435.84	41.94	27.58	-150.69	690.85	993.83	2,783.32	2,724.01	59.31	46.928		
6,300.00	5,770.43	5,640.39	5,521.66	42.70	28.03	-150.73	698.71	1,011.12	2,830.98	2,770.68	60.30	46.951		
6,400.00	5,860.10	5,728.28	5,607.48	43.45	28.47	-150.77	706.57	1,028.42	2,878.63	2,817.35	61.28	46.972		
6,500.00	5,949.77	5,816.18	5,693.30	44.20	28.92	-150.81	714.42	1,045.71	2,926.29	2,864.02	62.27	46.993		
6,600.00	6,039.45	5,904.08	5,779.12	44.96	29.36	-150.85	722.28	1,063.00	2,973.94	2,910.68	63.26	47.012		
6,700.00	6,129.12	5,991.98	5,864.95	45.71	29.81	-150.88	730.14	1,080.30	3,021.60	2,957.35	64.25	47.031		
6,800.00	6,218.79	6,079.88	5,950.77	46.46	30.25	-150.92	738.00	1,097.59	3,069.26	3,004.02	65.24	47.049		
6,900.00	6,308.46	6,167.78	6,036.59	47.22	30.70	-150.95	745.86	1,114.88	3,116.92	3,050.69	66.22	47.066		
6,969.86	6,371.11	6,229.19	6,096.55	47.75	31.01	-150.97	751.35	1,126.96	3,150.22	3,083.30	66.92	47.078		
7,000.00	6,398.25	6,255.65	6,122.39	47.97	31.15	-157.66	753.72	1,132.17	3,164.62	3,097.41	67.21	47.085		
7,050.00	6,443.70	6,300.67	6,165.03	48.31	31.37	-169.55	757.62	1,140.76	3,188.67	3,120.97	67.70	47.103		
7,100.00	6,489.42	6,342.50	6,207.18	48.61	31.59	-178.01	761.48	1,149.25	3,212.77	3,144.62	68.15	47.143		
7,150.00	6,535.12	6,384.88	6,248.56	48.87	31.80	165.68	765.27	1,157.59	3,236.81	3,168.22	68.59	47.188		
7,200.00	6,580.53	6,426.22	6,288.93	49.09	32.01	154.12	768.97	1,165.73	3,260.68	3,191.65	69.03	47.239		
7,250.00	6,625.36	6,466.26	6,328.02	49.27	32.21	143.74	772.55	1,173.60	3,284.27	3,214.82	69.44	47.293		
7,300.00	6,669.35	6,504.76	6,365.61	49.42	32.41	134.71	775.99	1,181.18	3,307.50	3,237.65	69.86	47.347		
7,350.00	6,712.21	6,541.48	6,401.46	49.55	32.60	126.96	779.27	1,188.40	3,330.30	3,260.04	70.26	47.397		
7,400.00	6,753.69	6,576.18	6,435.35	49.65	32.77	120.36	782.38	1,195.23	3,352.60	3,281.93	70.67	47.441		
7,450.00	6,793.52	6,608.67	6,467.06	49.73	32.94	114.71	785.28	1,201.62	3,374.33	3,303.25	71.07	47.476		
7,500.00	6,831.47	6,641.34	6,498.99	49.81	33.10	109.90	788.20	1,207.92	3,395.44	3,323.92	71.51	47.480		
7,550.00	6,867.30	6,679.40	6,536.47	49.88	33.28	105.84	791.64	1,213.53	3,415.81	3,343.78	72.03	47.425		
7,600.00	6,900.78	6,720.06	6,576.80	49.95	33.46	102.40	795.33	1,217.02	3,435.34	3,362.75	72.59	47.328		
7,650.00	6,931.72	6,764.18	6,620.72	50.03	33.63	99.50	799.36	1,217.87	3,453.93	3,380.73	73.20	47.184		
7,700.00	6,959.92	6,812.99	6,669.24	50.11	33.81	97.10	803.81	1,215.26	3,471.47	3,397.59	73.88	46.987		
7,750.00	6,985.20	6,868.28	6,723.78	50.20	34.01	95.17	808.82	1,207.81	3,487.87	3,413.23	74.64	46.727		
7,800.00	7,007.41	6,932.72	6,786.24	50.30	34.25	93.69	814.55	1,193.16	3,503.00	3,427.50	75.50	46.394		
7,850.00	7,026.42	7,010.35	6,859.06	50.42	34.55	92.67	821.25	1,167.22	3,516.71	3,440.23	76.48	45.979		
7,900.00	7,042.11	7,107.36	6,944.74	50.57	34.97	92.14	829.13	1,122.63	3,528.79	3,451.18	77.61	45.468		
7,950.00	7,054.37	7,232.60	7,043.67	50.73	35.62	92.08	838.25	1,046.69	3,538.92	3,459.97	78.95	44.827		
8,000.00	7,063.14	7,396.34	7,147.31	50.92	36.72	92.41	847.83	920.88	3,546.61	3,465.97	80.64	43.983		
8,050.00	7,068.36	7,601.92	7,226.89	51.13	38.66	92.79	855.24	732.45	3,551.18	3,468.21	82.97	42.801		
8,094.17	7,070.00	7,764.28	7,245.02	51.34	40.58	92.82	857.00	571.54	3,552.18	3,467.02	85.16	41.713		
8,100.00	7,070.03	7,770.10	7,245.03	51.37	40.65	92.82	857.01	565.71	3,552.17	3,466.87	85.30	41.642		
8,200.00	7,070.55	7,870.10	7,245.20	51.94	42.01	92.82	857.08	465.72	3,551.94	3,463.99	87.95	40.387		
8,300.00	7,071.07	7,970.10	7,245.38	52.64	43.51	92.81	857.16	365.72	3,551.71	3,460.84	90.86	39.088		
8,400.00	7,071.60	8,070.10	7,245.56	53.49	45.14	92.81	857.24	265.72	3,551.47	3,457.44	94.04	37.767		
8,500.00	7,072.12	8,170.10	7,245.74	54.50	46.89	92.80	857.32	165.72	3,551.24	3,453.80	97.44	36.444		
8,600.00	7,072.64	8,270.10	7,245.91	55.69	48.74	92.80	857.39	65.72	3,551.01	3,449.95	101.06	35.139		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	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	7,073.17	8,370.10	7,246.09	57.04	50.69	92.79	857.47	-34.28	3,550.78	3,445.92	104.86	33.863		
8,800.00	7,073.69	8,470.10	7,246.27	58.55	52.72	92.79	857.55	-134.28	3,550.55	3,441.72	108.83	32.626		
8,900.00	7,074.21	8,570.10	7,246.44	60.21	54.83	92.78	857.63	-234.28	3,550.31	3,437.37	112.95	31.434		
9,000.00	7,074.74	8,670.10	7,246.62	61.99	57.00	92.77	857.70	-334.28	3,550.08	3,432.89	117.20	30.292		
9,100.00	7,075.26	8,770.10	7,246.80	63.88	59.23	92.77	857.78	-434.28	3,549.85	3,428.28	121.57	29.200		
9,200.00	7,075.78	8,870.10	7,246.98	65.87	61.52	92.76	857.86	-534.27	3,549.62	3,423.57	126.05	28.161		
9,300.00	7,076.30	8,970.09	7,247.15	67.95	63.85	92.76	857.94	-634.27	3,549.39	3,418.76	130.62	27.173		
9,400.00	7,076.83	9,070.09	7,247.33	70.09	66.22	92.75	858.01	-734.27	3,549.16	3,413.87	135.29	26.234		
9,500.00	7,077.35	9,170.09	7,247.51	72.30	68.63	92.75	858.09	-834.27	3,548.92	3,408.90	140.03	25.345		
9,600.00	7,077.87	9,270.09	7,247.68	74.57	71.07	92.74	858.17	-934.27	3,548.69	3,403.86	144.84	24.501		
9,700.00	7,078.40	9,370.09	7,247.86	76.88	73.54	92.74	858.24	-1,034.27	3,548.46	3,398.75	149.71	23.702		
9,800.00	7,078.92	9,470.09	7,248.04	79.24	76.04	92.73	858.32	-1,134.27	3,548.23	3,393.59	154.64	22.945		
9,900.00	7,079.44	9,570.09	7,248.22	81.63	78.57	92.73	858.40	-1,234.27	3,548.00	3,388.37	159.63	22.227		
10,000.00	7,079.97	9,670.09	7,248.39	84.06	81.12	92.72	858.48	-1,334.27	3,547.77	3,383.11	164.66	21.546		
10,100.00	7,080.49	9,770.09	7,248.57	86.52	83.68	92.72	858.55	-1,434.27	3,547.54	3,377.80	169.73	20.901		
10,200.00	7,081.01	9,870.09	7,248.75	89.01	86.27	92.71	858.63	-1,534.26	3,547.30	3,372.46	174.85	20.288		
10,300.00	7,081.54	9,970.09	7,248.92	91.52	88.87	92.70	858.71	-1,634.26	3,547.07	3,367.08	180.00	19.707		
10,400.00	7,082.06	10,070.09	7,249.10	94.05	91.49	92.70	858.79	-1,734.26	3,546.84	3,361.66	185.18	19.154		
10,500.00	7,082.58	10,170.08	7,249.28	96.61	94.12	92.69	858.86	-1,834.26	3,546.61	3,356.22	190.39	18.628		
10,600.00	7,083.10	10,270.08	7,249.46	99.18	96.77	92.69	858.94	-1,934.26	3,546.38	3,350.75	195.63	18.128		
10,700.00	7,083.63	10,370.08	7,249.63	101.77	99.43	92.68	859.02	-2,034.26	3,546.15	3,345.25	200.90	17.651		
10,800.00	7,084.15	10,470.08	7,249.81	104.38	102.09	92.68	859.10	-2,134.26	3,545.92	3,339.72	206.19	17.197		
10,900.00	7,084.67	10,570.08	7,249.99	107.00	104.77	92.67	859.17	-2,234.26	3,545.68	3,334.18	211.51	16.764		
11,000.00	7,085.20	10,670.08	7,250.16	109.63	107.46	92.67	859.25	-2,334.26	3,545.45	3,328.61	216.84	16.351		
11,100.00	7,085.72	10,770.08	7,250.34	112.27	110.16	92.66	859.33	-2,434.25	3,545.22	3,323.03	222.19	15.956		
11,200.00	7,086.24	10,870.08	7,250.52	114.93	112.86	92.66	859.41	-2,534.25	3,544.99	3,317.43	227.56	15.578		
11,300.00	7,086.77	10,970.08	7,250.70	117.59	115.57	92.65	859.48	-2,634.25	3,544.76	3,311.81	232.95	15.217		
11,400.00	7,087.29	11,070.08	7,250.87	120.27	118.29	92.64	859.56	-2,734.25	3,544.53	3,306.18	238.35	14.871		
11,500.00	7,087.81	11,170.08	7,251.05	122.95	121.02	92.64	859.64	-2,834.25	3,544.30	3,300.53	243.77	14.540		
11,600.00	7,088.33	11,270.08	7,251.23	125.64	123.75	92.63	859.72	-2,934.25	3,544.07	3,294.87	249.20	14.222		
11,700.00	7,088.86	11,370.07	7,251.40	128.34	126.49	92.63	859.79	-3,034.25	3,543.84	3,289.20	254.64	13.917		
11,800.00	7,089.38	11,470.07	7,251.58	131.05	129.23	92.62	859.87	-3,134.25	3,543.61	3,283.51	260.09	13.624		
11,900.00	7,089.90	11,570.07	7,251.76	133.76	131.98	92.62	859.95	-3,234.25	3,543.37	3,277.81	265.56	13.343		
12,000.00	7,090.43	11,670.07	7,251.94	136.49	134.73	92.61	860.03	-3,334.25	3,543.14	3,272.11	271.04	13.073		
12,100.00	7,090.95	11,770.07	7,252.11	139.21	137.49	92.61	860.10	-3,434.24	3,542.91	3,266.39	276.52	12.812		
12,200.00	7,091.47	11,870.07	7,252.29	141.94	140.25	92.60	860.18	-3,534.24	3,542.68	3,260.67	282.02	12.562		
12,300.00	7,092.00	11,970.07	7,252.47	144.68	143.01	92.60	860.26	-3,634.24	3,542.45	3,254.93	287.52	12.321		
12,400.00	7,092.52	12,070.07	7,252.64	147.42	145.78	92.59	860.34	-3,734.24	3,542.22	3,249.19	293.03	12.088		
12,500.00	7,093.04	12,170.07	7,252.82	150.17	148.55	92.58	860.41	-3,834.24	3,541.99	3,243.44	298.55	11.864		
12,600.00	7,093.57	12,270.07	7,253.00	152.92	151.33	92.58	860.49	-3,934.24	3,541.76	3,237.68	304.08	11.648		
12,700.00	7,094.09	12,370.07	7,253.18	155.67	154.11	92.57	860.57	-4,034.24	3,541.53	3,231.92	309.61	11.439		
12,800.00	7,094.61	12,470.07	7,253.35	158.43	156.89	92.57	860.65	-4,134.24	3,541.30	3,226.15	315.15	11.237		
12,900.00	7,095.13	12,570.06	7,253.53	161.19	159.67	92.56	860.72	-4,234.24	3,541.07	3,220.37	320.69	11.042		
13,000.00	7,095.66	12,670.06	7,253.71	163.96	162.46	92.56	860.80	-4,334.24	3,540.84	3,214.59	326.25	10.853		
13,100.00	7,096.18	12,770.06	7,253.88	166.73	165.25	92.55	860.88	-4,434.23	3,540.61	3,208.80	331.80	10.671		
13,200.00	7,096.70	12,870.06	7,254.06	169.50	168.04	92.55	860.96	-4,534.23	3,540.38	3,203.01	337.37	10.494		
13,256.62	7,097.00	12,926.68	7,254.16	171.07	169.62	92.54	861.00	-4,590.85	3,540.25	3,199.73	340.52	10.397 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	0.50	225.14	1.95	225.15					
100.00	100.00	100.00	100.00	3.28	3.28	0.50	225.14	1.95	225.15	218.58	6.57	34.273		
200.00	200.00	200.00	200.00	3.34	3.34	0.50	225.14	1.95	225.15	218.48	6.67	33.735		
300.00	300.00	300.00	300.00	3.44	3.44	0.50	225.14	1.95	225.15	218.26	6.89	32.679 CC, ES		
400.00	399.98	397.58	397.56	3.60	3.60	-152.77	225.64	3.53	227.23	220.04	7.19	31.586		
500.00	499.84	494.87	494.72	3.79	3.79	-152.13	227.13	8.27	233.49	225.91	7.58	30.796		
600.00	599.45	591.59	591.08	4.02	4.02	-151.12	229.60	16.09	243.96	235.91	8.05	30.305		
700.00	698.70	687.45	686.27	4.29	4.29	-149.85	233.01	26.90	258.66	250.07	8.59	30.124		
800.00	797.47	782.20	779.92	4.59	4.57	-148.39	237.32	40.56	277.62	268.44	9.18	30.240		
900.00	895.62	875.58	871.72	4.93	4.89	-146.85	242.47	56.91	300.84	291.02	9.82	30.624		
1,000.00	993.06	969.45	963.45	5.31	5.23	-145.31	248.45	75.87	328.14	317.63	10.51	31.219		
1,100.00	1,089.64	1,064.63	1,056.39	5.72	5.59	-144.15	254.63	95.49	358.46	347.22	11.24	31.880		
1,200.00	1,185.27	1,158.99	1,148.51	6.16	5.97	-143.39	260.77	114.93	391.50	379.49	12.01	32.598		
1,300.00	1,279.82	1,252.40	1,239.72	6.64	6.37	-142.94	266.84	134.19	427.17	414.37	12.80	33.361		
1,400.00	1,373.17	1,344.76	1,329.90	7.16	6.77	-142.73	272.84	153.22	465.44	451.81	13.62	34.162		
1,500.00	1,465.21	1,435.96	1,418.94	7.71	7.17	-142.68	278.76	172.02	506.28	491.81	14.47	34.998		
1,600.00	1,555.84	1,525.87	1,506.73	8.31	7.57	-142.77	284.61	190.55	549.68	534.35	15.33	35.867		
1,613.50	1,567.96	1,537.91	1,518.48	8.39	7.63	-142.78	285.39	193.03	555.73	540.29	15.45	35.976		
1,700.00	1,645.53	1,614.93	1,593.69	8.93	7.98	-143.39	290.39	208.90	594.71	578.51	16.20	36.716		
1,800.00	1,735.20	1,703.98	1,680.63	9.58	8.39	-144.00	296.18	227.26	639.82	622.74	17.08	37.461		
1,900.00	1,824.87	1,806.96	1,767.58	10.25	8.87	-144.53	301.97	245.61	684.99	666.95	18.04	37.968		
2,000.00	1,914.54	1,882.09	1,854.53	10.92	9.23	-145.00	307.75	263.96	730.20	711.31	18.89	38.665		
2,100.00	2,004.21	1,971.14	1,941.47	11.61	9.65	-145.41	313.54	282.32	775.44	755.63	19.80	39.155		
2,200.00	2,093.89	2,060.19	2,028.42	12.30	10.08	-145.77	319.33	300.67	820.71	799.98	20.73	39.586		
2,300.00	2,183.56	2,149.24	2,115.37	13.01	10.51	-146.10	325.11	319.02	866.00	844.33	21.67	39.967		
2,400.00	2,273.23	2,238.29	2,202.31	13.71	10.94	-146.40	330.90	337.38	911.31	888.70	22.61	40.304		
2,500.00	2,362.90	2,327.34	2,289.26	14.43	11.37	-146.66	336.69	355.73	956.64	933.09	23.56	40.606		
2,600.00	2,452.57	2,416.39	2,376.21	15.14	11.81	-146.90	342.48	374.08	1,001.99	977.48	24.51	40.876		
2,700.00	2,542.25	2,505.44	2,463.15	15.87	12.24	-147.13	348.26	392.44	1,047.35	1,021.88	25.47	41.119		
2,800.00	2,631.92	2,594.49	2,550.10	16.59	12.68	-147.33	354.05	410.79	1,092.72	1,066.29	26.43	41.338		
2,900.00	2,721.59	2,683.54	2,637.05	17.32	13.12	-147.52	359.84	429.14	1,138.10	1,110.70	27.40	41.537		
3,000.00	2,811.26	2,772.60	2,723.99	18.05	13.56	-147.69	365.62	447.49	1,183.49	1,155.12	28.37	41.717		
3,100.00	2,900.93	2,861.65	2,810.94	18.78	14.00	-147.85	371.41	465.85	1,228.89	1,199.54	29.34	41.882		
3,200.00	2,990.60	2,950.70	2,897.89	19.51	14.45	-148.00	377.20	484.20	1,274.29	1,243.97	30.32	42.033		
3,300.00	3,080.28	3,039.75	2,984.83	20.25	14.89	-148.14	382.98	502.55	1,319.70	1,288.41	31.29	42.171		
3,400.00	3,169.95	3,128.80	3,071.78	20.99	15.33	-148.27	388.77	520.91	1,365.12	1,332.84	32.27	42.299		
3,500.00	3,259.62	3,217.85	3,158.73	21.73	15.78	-148.39	394.56	539.26	1,410.54	1,377.28	33.25	42.416		
3,600.00	3,349.29	3,306.90	3,245.67	22.47	16.22	-148.50	400.34	557.61	1,455.96	1,421.73	34.24	42.525		
3,700.00	3,438.96	3,404.05	3,332.62	23.21	16.71	-148.61	406.13	575.97	1,501.40	1,466.13	35.26	42.576		
3,800.00	3,528.64	3,485.00	3,419.57	23.95	17.12	-148.71	411.92	594.32	1,546.83	1,510.62	36.21	42.719		
3,900.00	3,618.31	3,574.05	3,506.51	24.69	17.56	-148.80	417.70	612.67	1,592.27	1,555.07	37.20	42.806		
4,000.00	3,707.98	3,663.10	3,593.46	25.44	18.01	-148.89	423.49	631.03	1,637.71	1,599.52	38.19	42.887		
4,100.00	3,797.65	3,752.16	3,680.41	26.18	18.46	-148.98	429.28	649.38	1,683.15	1,643.98	39.18	42.962		
4,200.00	3,887.32	3,841.21	3,767.35	26.93	18.91	-149.06	435.06	667.73	1,728.60	1,688.43	40.17	43.033		
4,300.00	3,976.99	3,930.26	3,854.30	27.68	19.36	-149.13	440.85	686.09	1,774.05	1,732.89	41.16	43.100		
4,400.00	4,066.67	4,019.31	3,941.25	28.42	19.81	-149.21	446.64	704.44	1,819.50	1,777.35	42.16	43.162		
4,500.00	4,156.34	4,108.36	4,028.20	29.17	20.26	-149.27	452.42	722.79	1,864.96	1,821.81	43.15	43.220		
4,600.00	4,246.01	4,202.59	4,115.14	29.92	20.73	-149.34	458.21	741.14	1,910.41	1,866.24	44.17	43.250		
4,700.00	4,335.68	4,286.46	4,202.09	30.67	21.16	-149.40	464.00	759.50	1,955.87	1,910.73	45.14	43.327		
4,800.00	4,425.35	4,375.51	4,289.04	31.42	21.61	-149.46	469.78	777.85	2,001.33	1,955.19	46.14	43.376		
4,900.00	4,515.03	4,464.56	4,375.98	32.17	22.06	-149.52	475.57	796.20	2,046.79	1,999.65	47.14	43.423		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,553.61	4,462.93	32.92	22.51	-149.57	481.36	814.56	2,092.25	2,044.12	48.13	43.467		
5,100.00	4,694.37	4,642.66	4,549.88	33.67	22.96	-149.62	487.14	832.91	2,137.72	2,088.58	49.13	43.508		
5,200.00	4,784.04	4,731.72	4,636.82	34.42	23.41	-149.67	492.93	851.26	2,183.18	2,133.05	50.13	43.547		
5,300.00	4,873.71	4,820.77	4,723.77	35.17	23.86	-149.72	498.72	869.62	2,228.65	2,177.52	51.13	43.585		
5,400.00	4,963.38	4,909.82	4,810.72	35.92	24.32	-149.77	504.50	887.97	2,274.12	2,221.98	52.13	43.620		
5,500.00	5,053.06	5,001.13	4,897.66	36.67	24.78	-149.81	510.29	906.32	2,319.59	2,266.44	53.15	43.644		
5,600.00	5,142.73	5,087.92	4,984.61	37.43	25.22	-149.86	516.08	924.68	2,365.06	2,310.92	54.14	43.686		
5,700.00	5,232.40	5,176.97	5,071.56	38.18	25.67	-149.90	521.86	943.03	2,410.53	2,355.39	55.14	43.716		
5,800.00	5,322.07	5,266.02	5,158.50	38.93	26.13	-149.94	527.65	961.38	2,456.00	2,399.86	56.14	43.745		
5,900.00	5,411.74	5,355.07	5,245.45	39.68	26.58	-149.97	533.44	979.74	2,501.47	2,444.33	57.15	43.773		
6,000.00	5,501.42	5,444.12	5,332.40	40.44	27.03	-150.01	539.22	998.09	2,546.95	2,488.80	58.15	43.799		
6,100.00	5,591.09	5,533.17	5,419.34	41.19	27.49	-150.05	545.01	1,016.44	2,592.42	2,533.27	59.15	43.825		
6,200.00	5,680.76	5,622.22	5,506.29	41.94	27.94	-150.08	550.80	1,034.79	2,637.90	2,577.74	60.16	43.849		
6,300.00	5,770.43	5,711.28	5,593.24	42.70	28.39	-150.11	556.58	1,053.15	2,683.37	2,622.21	61.16	43.872		
6,400.00	5,860.10	5,800.33	5,680.18	43.45	28.85	-150.14	562.37	1,071.50	2,728.85	2,666.68	62.17	43.894		
6,500.00	5,949.77	5,889.38	5,767.13	44.20	29.30	-150.18	568.16	1,089.85	2,774.33	2,711.15	63.18	43.915		
6,600.00	6,039.45	5,978.43	5,854.08	44.96	29.75	-150.21	573.94	1,108.21	2,819.81	2,755.63	64.18	43.935		
6,700.00	6,129.12	6,067.48	5,941.02	45.71	30.21	-150.23	579.73	1,126.56	2,865.29	2,800.10	65.19	43.954		
6,800.00	6,218.79	6,156.53	6,027.97	46.46	30.66	-150.26	585.52	1,144.91	2,910.76	2,844.57	66.19	43.973		
6,900.00	6,308.46	6,245.58	6,114.92	47.22	31.11	-150.29	591.30	1,163.27	2,956.24	2,889.04	67.20	43.991		
6,969.86	6,371.11	6,307.80	6,175.66	47.75	31.43	-150.31	595.35	1,176.09	2,988.02	2,920.11	67.91	44.003		
7,000.00	6,398.25	6,334.60	6,201.83	47.97	31.57	-150.31	597.09	1,181.61	3,001.78	2,933.57	68.21	44.010		
7,050.00	6,443.70	6,378.82	6,245.01	48.31	31.79	-150.33	599.96	1,190.73	3,024.79	2,956.09	68.69	44.033		
7,100.00	6,489.42	6,422.50	6,287.65	48.61	32.02	-150.34	602.80	1,199.73	3,047.91	2,978.75	69.16	44.068		
7,150.00	6,535.12	6,465.73	6,329.97	48.87	32.23	-150.34	605.62	1,208.09	3,071.03	3,001.41	69.61	44.115		
7,200.00	6,580.53	6,509.54	6,373.30	49.09	32.43	-150.35	608.50	1,213.83	3,094.02	3,023.98	70.05	44.171		
7,250.00	6,625.36	6,554.16	6,417.73	49.27	32.62	-150.35	611.45	1,216.59	3,116.76	3,046.30	70.46	44.233		
7,300.00	6,669.35	6,599.77	6,463.23	49.42	32.79	-150.35	614.48	1,216.18	3,139.10	3,068.24	70.87	44.295		
7,350.00	6,712.21	6,646.55	6,509.74	49.55	32.96	-150.35	617.57	1,212.37	3,160.93	3,089.65	71.28	44.347		
7,400.00	6,753.69	6,694.71	6,557.19	49.65	33.13	-150.35	620.72	1,204.88	3,182.11	3,110.40	71.71	44.377		
7,450.00	6,793.52	6,744.46	6,605.48	49.73	33.32	-150.35	623.93	1,193.39	3,202.51	3,130.34	72.16	44.379		
7,500.00	6,831.47	6,796.04	6,654.44	49.81	33.52	-150.35	627.18	1,177.53	3,222.01	3,149.36	72.65	44.347		
7,550.00	6,867.30	6,849.67	6,703.82	49.88	33.74	-150.35	630.45	1,156.89	3,240.49	3,167.31	73.19	44.277		
7,600.00	6,900.78	6,905.59	6,753.26	49.95	34.00	-150.35	633.73	1,131.01	3,257.84	3,184.06	73.77	44.161		
7,650.00	6,931.72	6,963.99	6,802.27	50.03	34.29	-150.35	636.98	1,099.46	3,273.92	3,199.51	74.42	43.995		
7,700.00	6,959.92	7,025.07	6,850.21	50.11	34.62	-150.35	640.15	1,061.79	3,288.64	3,213.51	75.13	43.773		
7,750.00	6,985.20	7,088.92	6,896.24	50.20	35.02	-150.35	643.20	1,017.68	3,301.87	3,225.95	75.92	43.490		
7,800.00	7,007.41	7,155.58	6,939.34	50.30	35.48	-150.35	646.05	966.94	3,313.52	3,236.71	76.81	43.139		
7,850.00	7,026.42	7,224.98	6,978.33	50.42	36.04	-150.35	648.62	909.63	3,323.48	3,245.68	77.81	42.714		
7,900.00	7,042.11	7,296.88	7,011.91	50.57	36.69	-150.35	650.83	846.14	3,331.67	3,252.76	78.91	42.219		
7,950.00	7,054.37	7,370.92	7,038.81	50.73	37.45	-150.35	652.59	777.23	3,338.01	3,257.87	80.14	41.650		
8,000.00	7,063.14	7,446.55	7,057.85	50.92	38.30	-150.35	653.84	704.08	3,342.44	3,260.96	81.48	41.021		
8,050.00	7,068.36	7,523.13	7,068.18	51.13	39.24	-150.35	654.50	628.26	3,344.91	3,262.00	82.91	40.344		
8,094.17	7,070.00	7,584.08	7,070.00	51.34	40.02	-150.35	654.60	567.36	3,345.46	3,261.31	84.15	39.755		
8,100.00	7,070.03	7,589.90	7,070.00	51.37	40.09	-150.35	654.59	561.53	3,345.44	3,261.15	84.30	39.686		
8,200.00	7,070.55	7,689.90	7,070.01	51.94	41.50	-150.35	654.56	461.53	3,345.12	3,258.14	86.98	38.458		
8,300.00	7,071.07	7,789.90	7,070.02	52.64	43.04	-150.35	654.53	361.53	3,344.79	3,254.85	89.94	37.189		
8,400.00	7,071.60	7,889.90	7,070.03	53.49	44.72	-150.35	654.49	261.53	3,344.46	3,251.31	93.16	35.900		
8,500.00	7,072.12	7,989.90	7,070.04	54.50	46.51	-150.35	654.46	161.54	3,344.14	3,247.53	96.61	34.615		
8,600.00	7,072.64	8,089.90	7,070.04	55.69	48.40	-150.35	654.43	61.54	3,343.81	3,243.55	100.27	33.349		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	8,189.89	7,070.05	57.04	50.39	89.95	654.39	-38.46	3,343.49	3,239.38	104.11	32.115		
8,800.00	7,073.69	8,289.89	7,070.06	58.55	52.46	89.94	654.36	-138.46	3,343.16	3,235.04	108.12	30.921		
8,900.00	7,074.21	8,389.89	7,070.07	60.21	54.59	89.93	654.32	-238.46	3,342.84	3,230.56	112.28	29.774		
9,000.00	7,074.74	8,489.89	7,070.08	61.99	56.80	89.92	654.29	-338.45	3,342.51	3,225.94	116.56	28.675		
9,100.00	7,075.26	8,589.89	7,070.09	63.88	59.05	89.91	654.26	-438.45	3,342.18	3,221.21	120.97	27.628		
9,200.00	7,075.78	8,689.88	7,070.10	65.87	61.36	89.90	654.22	-538.45	3,341.86	3,216.37	125.49	26.631		
9,300.00	7,076.30	8,789.88	7,070.11	67.95	63.72	89.89	654.19	-638.45	3,341.53	3,211.44	130.09	25.686		
9,400.00	7,076.83	8,889.88	7,070.12	70.09	66.11	89.88	654.16	-738.45	3,341.21	3,206.42	134.79	24.789		
9,500.00	7,077.35	8,989.88	7,070.12	72.30	68.54	89.88	654.12	-838.44	3,340.88	3,201.33	139.56	23.939		
9,600.00	7,077.87	9,089.88	7,070.13	74.57	71.00	89.87	654.09	-938.44	3,340.56	3,196.16	144.39	23.135		
9,700.00	7,078.40	9,189.87	7,070.14	76.88	73.49	89.86	654.06	-1,038.44	3,340.23	3,190.94	149.29	22.373		
9,800.00	7,078.92	9,289.87	7,070.15	79.24	76.01	89.85	654.02	-1,138.44	3,339.91	3,185.65	154.25	21.652		
9,900.00	7,079.44	9,389.87	7,070.16	81.63	78.55	89.84	653.99	-1,238.44	3,339.58	3,180.32	159.26	20.969		
10,000.00	7,079.97	9,489.87	7,070.17	84.06	81.11	89.83	653.95	-1,338.44	3,339.26	3,174.94	164.31	20.322		
10,100.00	7,080.49	9,589.87	7,070.18	86.52	83.69	89.82	653.92	-1,438.43	3,338.93	3,169.52	169.41	19.709		
10,200.00	7,081.01	9,689.87	7,070.19	89.01	86.29	89.81	653.89	-1,538.43	3,338.61	3,164.06	174.55	19.127		
10,300.00	7,081.54	9,789.86	7,070.20	91.52	88.90	89.80	653.85	-1,638.43	3,338.28	3,158.57	179.72	18.575		
10,400.00	7,082.06	9,889.86	7,070.20	94.05	91.53	89.80	653.82	-1,738.43	3,337.96	3,153.04	184.92	18.051		
10,500.00	7,082.58	9,989.86	7,070.21	96.61	94.17	89.79	653.79	-1,838.43	3,337.63	3,147.48	190.15	17.552		
10,600.00	7,083.10	10,089.86	7,070.22	99.18	96.83	89.78	653.75	-1,938.42	3,337.31	3,141.90	195.41	17.078		
10,700.00	7,083.63	10,189.86	7,070.23	101.77	99.49	89.77	653.72	-2,038.42	3,336.98	3,136.29	200.70	16.627		
10,800.00	7,084.15	10,289.85	7,070.24	104.38	102.17	89.76	653.68	-2,138.42	3,336.66	3,130.65	206.00	16.197		
10,900.00	7,084.67	10,389.85	7,070.25	107.00	104.86	89.75	653.65	-2,238.42	3,336.34	3,125.00	211.33	15.787		
11,000.00	7,085.20	10,489.85	7,070.26	109.63	107.55	89.74	653.62	-2,338.42	3,336.01	3,119.33	216.68	15.396		
11,100.00	7,085.72	10,589.85	7,070.27	112.27	110.26	89.73	653.58	-2,438.42	3,335.69	3,113.64	222.05	15.022		
11,200.00	7,086.24	10,689.85	7,070.28	114.93	112.97	89.72	653.55	-2,538.41	3,335.36	3,107.93	227.44	14.665		
11,300.00	7,086.77	10,789.85	7,070.28	117.59	115.69	89.72	653.52	-2,638.41	3,335.04	3,102.20	232.84	14.323		
11,400.00	7,087.29	10,889.84	7,070.29	120.27	118.41	89.71	653.48	-2,738.41	3,334.72	3,096.46	238.25	13.997		
11,500.00	7,087.81	10,989.84	7,070.30	122.95	121.14	89.70	653.45	-2,838.41	3,334.39	3,090.71	243.68	13.683		
11,600.00	7,088.33	11,089.84	7,070.31	125.64	123.88	89.69	653.41	-2,938.41	3,334.07	3,084.94	249.13	13.383		
11,700.00	7,088.86	11,189.84	7,070.32	128.34	126.62	89.68	653.38	-3,038.40	3,333.74	3,079.16	254.58	13.095		
11,800.00	7,089.38	11,289.84	7,070.33	131.05	129.37	89.67	653.35	-3,138.40	3,333.42	3,073.37	260.05	12.819		
11,900.00	7,089.90	11,389.83	7,070.34	133.76	132.12	89.66	653.31	-3,238.40	3,333.10	3,067.57	265.52	12.553		
12,000.00	7,090.43	11,489.83	7,070.35	136.49	134.88	89.65	653.28	-3,338.40	3,332.77	3,061.76	271.01	12.298		
12,100.00	7,090.95	11,589.83	7,070.35	139.21	137.64	89.64	653.25	-3,438.40	3,332.45	3,055.94	276.51	12.052		
12,200.00	7,091.47	11,689.83	7,070.36	141.94	140.41	89.64	653.21	-3,538.39	3,332.13	3,050.12	282.01	11.816		
12,300.00	7,092.00	11,789.83	7,070.37	144.68	143.18	89.63	653.18	-3,638.39	3,331.80	3,044.28	287.52	11.588		
12,400.00	7,092.52	11,889.82	7,070.38	147.42	145.95	89.62	653.15	-3,738.39	3,331.48	3,038.44	293.05	11.368		
12,500.00	7,093.04	11,989.82	7,070.39	150.17	148.72	89.61	653.11	-3,838.39	3,331.16	3,032.58	298.58	11.157		
12,600.00	7,093.57	12,089.82	7,070.40	152.92	151.50	89.60	653.08	-3,938.39	3,330.84	3,026.72	304.11	10.953		
12,700.00	7,094.09	12,189.82	7,070.41	155.67	154.29	89.59	653.04	-4,038.39	3,330.51	3,020.86	309.65	10.756		
12,800.00	7,094.61	12,289.82	7,070.42	158.43	157.07	89.58	653.01	-4,138.38	3,330.19	3,014.99	315.20	10.565		
12,900.00	7,095.13	12,389.82	7,070.43	161.19	159.86	89.57	652.98	-4,238.38	3,329.87	3,009.11	320.76	10.381		
13,000.00	7,095.66	12,489.81	7,070.43	163.96	162.65	89.56	652.94	-4,338.38	3,329.54	3,003.23	326.32	10.203		
13,100.00	7,096.18	12,589.81	7,070.44	166.73	165.44	89.56	652.91	-4,438.38	3,329.22	2,997.34	331.88	10.031		
13,200.00	7,096.70	12,689.81	7,070.45	169.50	168.23	89.55	652.88	-4,538.38	3,328.90	2,991.45	337.45	9.865		
13,256.62	7,097.00	12,746.43	7,070.46	171.07	169.82	89.54	652.86	-4,594.99	3,328.72	2,988.11	340.61	9.773 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	0.42	150.09	1.11	150.10					
100.00	100.00	100.00	100.00	3.28	3.28	0.42	150.09	1.11	150.10	143.53	6.57	22.848		
200.00	200.00	200.00	200.00	3.34	3.34	0.42	150.09	1.11	150.10	143.42	6.67	22.490		
300.00	300.00	300.00	300.00	3.44	3.44	0.42	150.09	1.11	150.10	143.21	6.89	21.786 CC, ES		
400.00	399.98	402.30	402.28	3.60	3.60	-152.74	149.29	2.75	150.89	143.69	7.20	20.957		
500.00	499.84	504.52	504.35	3.79	3.80	-151.78	146.90	7.67	153.27	145.68	7.59	20.186		
600.00	599.45	606.57	605.99	4.02	4.05	-150.26	142.91	15.84	157.34	149.27	8.07	19.493		
700.00	698.70	708.39	707.01	4.29	4.33	-148.25	137.36	27.23	163.19	154.56	8.62	18.926		
800.00	797.47	809.88	807.19	4.59	4.64	-145.88	130.26	41.79	170.95	161.71	9.24	18.499		
900.00	895.62	910.98	906.36	4.93	4.99	-143.26	121.64	59.45	180.75	170.83	9.92	18.222		
1,000.00	993.06	1,010.45	1,003.39	5.31	5.37	-140.79	112.05	79.12	192.92	182.27	10.65	18.111		
1,100.00	1,089.64	1,109.19	1,099.68	5.72	5.77	-139.17	102.47	98.76	207.94	196.50	11.43	18.188		
1,200.00	1,185.27	1,207.57	1,195.63	6.16	6.19	-138.30	92.92	118.34	225.63	213.38	12.26	18.411		
1,300.00	1,279.82	1,305.49	1,291.12	6.64	6.61	-138.04	83.42	137.82	245.90	232.78	13.11	18.752		
1,400.00	1,373.17	1,402.83	1,386.03	7.16	7.05	-138.24	73.97	157.19	268.71	254.71	14.00	19.191		
1,500.00	1,465.21	1,500.55	1,480.26	7.71	7.50	-138.80	64.59	176.42	294.09	279.17	14.92	19.710		
1,600.00	1,555.84	1,604.75	1,573.68	8.31	7.99	-139.59	55.30	195.48	322.10	306.20	15.90	20.263		
1,613.50	1,567.96	1,608.12	1,586.23	8.39	8.00	-139.71	54.05	198.04	326.08	310.10	15.98	20.403		
1,700.00	1,645.53	1,709.52	1,666.55	8.93	8.48	-140.76	46.05	214.43	351.83	334.94	16.89	20.830		
1,800.00	1,735.20	1,785.70	1,759.41	9.58	8.85	-141.79	36.81	233.37	381.71	363.95	17.76	21.491		
1,900.00	1,824.87	1,880.92	1,852.27	10.25	9.31	-142.68	27.57	252.32	411.69	392.96	18.73	21.974		
2,000.00	1,914.54	1,976.15	1,945.13	10.92	9.78	-143.44	18.33	271.26	441.75	422.03	19.72	22.402		
2,100.00	2,004.21	2,071.37	2,037.99	11.61	10.25	-144.11	9.09	290.21	471.86	451.15	20.71	22.782		
2,200.00	2,093.89	2,166.59	2,130.84	12.30	10.72	-144.70	-0.15	309.16	502.03	480.32	21.71	23.121		
2,300.00	2,183.56	2,261.81	2,223.70	13.01	11.19	-145.22	-9.39	328.10	532.24	509.52	22.72	23.425		
2,400.00	2,273.23	2,357.03	2,316.56	13.71	11.67	-145.68	-18.63	347.05	562.49	538.76	23.74	23.698		
2,500.00	2,362.90	2,452.25	2,409.42	14.43	12.15	-146.10	-27.87	366.00	592.77	568.02	24.75	23.946		
2,600.00	2,452.57	2,547.47	2,502.28	15.14	12.63	-146.48	-37.11	384.94	623.07	597.30	25.78	24.170		
2,700.00	2,542.25	2,642.70	2,595.14	15.87	13.11	-146.82	-46.35	403.89	653.40	626.59	26.81	24.375		
2,800.00	2,631.92	2,737.92	2,688.00	16.59	13.60	-147.13	-55.59	422.84	683.75	655.91	27.84	24.562		
2,900.00	2,721.59	2,833.14	2,780.86	17.32	14.08	-147.42	-64.84	441.78	714.11	685.24	28.87	24.733		
3,000.00	2,811.26	2,928.36	2,873.71	18.05	14.57	-147.68	-74.08	460.73	744.49	714.58	29.91	24.891		
3,100.00	2,900.93	3,023.58	2,966.57	18.78	15.05	-147.92	-83.32	479.68	774.88	743.93	30.95	25.036		
3,200.00	2,990.60	3,118.80	3,059.43	19.51	15.54	-148.14	-92.56	498.62	805.28	773.29	31.99	25.171		
3,300.00	3,080.28	3,214.02	3,152.29	20.25	16.03	-148.35	-101.80	517.57	835.69	802.65	33.04	25.296		
3,400.00	3,169.95	3,309.25	3,245.15	20.99	16.52	-148.54	-111.04	536.52	866.11	832.03	34.08	25.412		
3,500.00	3,259.62	3,404.47	3,338.01	21.73	17.01	-148.72	-120.28	555.46	896.54	861.41	35.13	25.520		
3,600.00	3,349.29	3,500.31	3,430.87	22.47	17.51	-148.89	-129.52	574.41	926.98	890.79	36.18	25.618		
3,700.00	3,438.96	3,605.09	3,523.73	23.21	18.05	-149.05	-138.76	593.36	957.42	920.14	37.28	25.679		
3,800.00	3,528.64	3,709.87	3,616.58	23.95	18.59	-149.20	-148.00	612.30	987.87	949.49	38.38	25.736		
3,900.00	3,618.31	3,785.35	3,709.44	24.69	18.98	-149.33	-157.24	631.25	1,018.33	978.99	39.34	25.886		
4,000.00	3,707.98	3,880.57	3,802.30	25.44	19.47	-149.47	-166.48	650.20	1,048.79	1,008.39	40.39	25.964		
4,100.00	3,797.65	3,975.80	3,895.16	26.18	19.97	-149.59	-175.73	669.14	1,079.25	1,037.80	41.45	26.038		
4,200.00	3,887.32	4,071.02	3,988.02	26.93	20.46	-149.70	-184.97	688.09	1,109.72	1,067.22	42.51	26.107		
4,300.00	3,976.99	4,166.24	4,080.88	27.68	20.96	-149.82	-194.21	707.04	1,140.20	1,096.63	43.56	26.172		
4,400.00	4,066.67	4,261.46	4,173.74	28.42	21.45	-149.92	-203.45	725.98	1,170.67	1,126.05	44.62	26.234		
4,500.00	4,156.34	4,356.68	4,266.60	29.17	21.95	-150.02	-212.69	744.93	1,201.15	1,155.47	45.68	26.293		
4,600.00	4,246.01	4,451.90	4,359.45	29.92	22.44	-150.11	-221.93	763.87	1,231.64	1,184.89	46.74	26.349		
4,700.00	4,335.68	4,547.12	4,452.31	30.67	22.94	-150.20	-231.17	782.82	1,262.12	1,214.32	47.80	26.402		
4,800.00	4,425.35	4,642.35	4,545.17	31.42	23.43	-150.29	-240.41	801.77	1,292.61	1,243.75	48.87	26.452		
4,900.00	4,515.03	4,737.57	4,638.03	32.17	23.93	-150.37	-249.65	820.71	1,323.10	1,273.18	49.93	26.500		

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 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,832.79	4,730.89	32.92	24.43	-150.45	-258.89	839.66	1,353.60	1,302.61	50.99	26.546		
5,100.00	4,694.37	4,928.01	4,823.75	33.67	24.92	-150.52	-268.13	858.61	1,384.09	1,332.04	52.05	26.589		
5,200.00	4,784.04	5,023.23	4,916.61	34.42	25.42	-150.59	-277.37	877.55	1,414.59	1,361.47	53.12	26.631		
5,300.00	4,873.71	5,118.45	5,009.47	35.17	25.92	-150.66	-286.62	896.50	1,445.09	1,390.91	54.18	26.671		
5,400.00	4,963.38	5,213.67	5,102.33	35.92	26.41	-150.73	-295.86	915.45	1,475.59	1,420.35	55.25	26.709		
5,500.00	5,053.06	5,308.90	5,195.18	36.67	26.91	-150.79	-305.10	934.39	1,506.10	1,449.79	56.31	26.745		
5,600.00	5,142.73	5,404.12	5,288.04	37.43	27.41	-150.85	-314.34	953.34	1,536.60	1,479.22	57.38	26.780		
5,700.00	5,232.40	5,500.66	5,380.90	38.18	27.91	-150.91	-323.58	972.29	1,567.11	1,508.66	58.45	26.810		
5,800.00	5,322.07	5,605.44	5,473.76	38.93	28.46	-150.96	-332.82	991.23	1,597.62	1,538.05	59.57	26.821		
5,900.00	5,411.74	5,689.78	5,566.62	39.68	28.90	-151.02	-342.06	1,010.18	1,628.13	1,567.55	60.58	26.876		
6,000.00	5,501.42	5,785.00	5,659.48	40.44	29.40	-151.07	-351.30	1,029.13	1,658.64	1,596.99	61.65	26.906		
6,100.00	5,591.09	5,880.22	5,752.34	41.19	29.90	-151.12	-360.54	1,048.07	1,689.15	1,626.44	62.71	26.935		
6,200.00	5,680.76	5,975.44	5,845.20	41.94	30.40	-151.17	-369.78	1,067.02	1,719.66	1,655.88	63.78	26.962		
6,300.00	5,770.43	6,070.67	5,938.05	42.70	30.90	-151.21	-379.02	1,085.97	1,750.18	1,685.33	64.85	26.988		
6,400.00	5,860.10	6,165.89	6,030.91	43.45	31.40	-151.26	-388.27	1,104.91	1,780.69	1,714.77	65.92	27.014		
6,500.00	5,949.77	6,261.11	6,123.77	44.20	31.90	-151.30	-397.51	1,123.86	1,811.21	1,744.22	66.99	27.038		
6,600.00	6,039.45	6,356.33	6,216.63	44.96	32.40	-151.34	-406.75	1,142.81	1,841.72	1,773.67	68.06	27.062		
6,700.00	6,129.12	6,451.55	6,309.49	45.71	32.89	-151.38	-415.99	1,161.75	1,872.24	1,803.12	69.12	27.085		
6,800.00	6,218.79	6,546.77	6,402.35	46.46	33.39	-151.42	-425.23	1,180.70	1,902.76	1,832.57	70.19	27.107		
6,900.00	6,308.46	6,642.46	6,495.71	47.22	33.89	-151.47	-434.52	1,199.46	1,933.28	1,862.01	71.26	27.128		
6,969.86	6,371.11	6,710.03	6,562.46	47.75	34.20	-151.67	-441.14	1,207.37	1,954.57	1,882.62	71.95	27.166		
7,000.00	6,398.25	6,738.74	6,591.00	47.97	34.32	-157.89	-443.96	1,208.57	1,963.79	1,891.58	72.21	27.194		
7,050.00	6,443.70	6,785.97	6,637.99	48.31	34.49	-169.04	-448.59	1,207.73	1,979.25	1,906.64	72.61	27.257		
7,100.00	6,489.42	6,832.77	6,684.35	48.61	34.64	-179.19	-453.15	1,203.45	1,994.82	1,921.84	72.98	27.333		
7,150.00	6,535.12	6,879.20	6,729.92	48.87	34.79	-167.47	-457.62	1,195.83	2,010.39	1,937.06	73.33	27.415		
7,200.00	6,580.53	6,925.32	6,774.53	49.09	34.94	-156.45	-461.97	1,184.97	2,025.88	1,952.21	73.67	27.500		
7,250.00	6,625.36	6,971.21	6,818.02	49.27	35.09	-146.56	-466.21	1,170.98	2,041.16	1,967.16	74.01	27.581		
7,300.00	6,669.35	7,016.93	6,860.24	49.42	35.25	-137.97	-470.30	1,153.95	2,056.16	1,981.81	74.35	27.656		
7,350.00	6,712.21	7,062.52	6,901.02	49.55	35.42	-130.62	-474.25	1,133.98	2,070.78	1,996.07	74.70	27.720		
7,400.00	6,753.69	7,108.03	6,940.22	49.65	35.61	-124.39	-478.02	1,111.17	2,084.91	2,009.83	75.08	27.769		
7,450.00	6,793.52	7,153.52	6,977.67	49.73	35.80	-119.10	-481.61	1,085.62	2,098.48	2,023.00	75.48	27.801		
7,500.00	6,831.47	7,199.02	7,013.22	49.81	36.02	-114.61	-485.00	1,057.45	2,111.40	2,035.49	75.92	27.811		
7,550.00	6,867.30	7,244.56	7,046.70	49.88	36.25	-110.78	-488.18	1,026.76	2,123.59	2,047.20	76.40	27.797		
7,600.00	6,900.78	7,290.16	7,077.96	49.95	36.52	-107.51	-491.13	993.71	2,134.98	2,058.05	76.92	27.754		
7,650.00	6,931.72	7,335.85	7,106.85	50.03	36.80	-104.72	-493.84	958.42	2,145.49	2,067.98	77.51	27.681		
7,700.00	6,959.92	7,381.65	7,133.19	50.11	37.12	-102.35	-496.29	921.05	2,155.06	2,076.91	78.15	27.575		
7,750.00	6,985.20	7,427.55	7,156.85	50.20	37.47	-100.35	-498.46	881.79	2,163.63	2,084.76	78.87	27.434		
7,800.00	7,007.41	7,473.56	7,177.68	50.30	37.85	-98.67	-500.35	840.81	2,171.15	2,091.50	79.65	27.258		
7,850.00	7,026.42	7,519.68	7,195.55	50.42	38.26	-97.30	-501.94	798.34	2,177.57	2,097.06	80.51	27.046		
7,900.00	7,042.11	7,565.90	7,210.34	50.57	38.71	-96.21	-503.22	754.58	2,182.86	2,101.41	81.45	26.800		
7,950.00	7,054.37	7,612.21	7,221.95	50.73	39.19	-95.38	-504.18	709.77	2,186.98	2,104.52	82.46	26.522		
8,000.00	7,063.14	7,658.58	7,230.30	50.92	39.70	-94.80	-504.82	664.17	2,189.91	2,106.37	83.54	26.214		
8,050.00	7,068.36	7,705.01	7,235.33	51.13	40.24	-94.47	-505.13	618.03	2,191.63	2,106.95	84.68	25.882		
8,094.17	7,070.00	7,754.39	7,236.99	51.34	40.83	-94.37	-505.12	577.34	2,192.13	2,106.29	85.84	25.538		
8,100.00	7,070.03	7,751.57	7,237.00	51.37	40.80	-94.37	-505.10	571.51	2,192.14	2,106.27	85.87	25.528		
8,200.00	7,070.55	7,851.57	7,237.19	51.94	42.12	-94.36	-504.71	471.51	2,192.21	2,103.69	88.52	24.766		
8,300.00	7,071.07	7,951.57	7,237.38	52.64	43.57	-94.35	-504.32	371.51	2,192.28	2,100.86	91.42	23.979		
8,400.00	7,071.60	8,051.57	7,237.56	53.49	45.17	-94.34	-503.93	271.51	2,192.35	2,097.76	94.59	23.178		
8,500.00	7,072.12	8,151.57	7,237.75	54.50	46.89	-94.33	-503.54	171.51	2,192.42	2,094.44	97.98	22.376		
8,600.00	7,072.64	8,251.57	7,237.93	55.69	48.72	-94.32	-503.15	71.51	2,192.50	2,090.91	101.58	21.583		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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			
8,700.00	7,073.17	8,351.57	7,238.12	57.04	50.65	94.31	-502.76	-28.48	2,192.57	2,087.20	105.37	20.808			
8,800.00	7,073.69	8,451.57	7,238.31	58.55	52.67	94.31	-502.37	-128.48	2,192.64	2,083.31	109.33	20.056			
8,900.00	7,074.21	8,551.57	7,238.49	60.21	54.76	94.30	-501.98	-228.48	2,192.71	2,079.28	113.43	19.331			
9,000.00	7,074.74	8,651.57	7,238.68	61.99	56.92	94.29	-501.58	-328.48	2,192.79	2,075.12	117.67	18.635			
9,100.00	7,075.26	8,751.56	7,238.87	63.88	59.15	94.28	-501.19	-428.48	2,192.86	2,070.83	122.03	17.971			
9,200.00	7,075.78	8,851.56	7,239.05	65.87	61.42	94.27	-500.80	-528.48	2,192.93	2,066.44	126.49	17.337			
9,300.00	7,076.30	8,951.56	7,239.24	67.95	63.75	94.26	-500.41	-628.47	2,193.00	2,061.95	131.05	16.734			
9,400.00	7,076.83	9,051.56	7,239.42	70.09	66.11	94.25	-500.02	-728.47	2,193.08	2,057.38	135.70	16.161			
9,500.00	7,077.35	9,151.56	7,239.61	72.30	68.52	94.24	-499.63	-828.47	2,193.15	2,052.73	140.42	15.618			
9,600.00	7,077.87	9,251.56	7,239.80	74.57	70.96	94.23	-499.24	-928.47	2,193.22	2,048.00	145.22	15.103			
9,700.00	7,078.40	9,351.56	7,239.98	76.88	73.43	94.23	-498.85	-1,028.47	2,193.29	2,043.21	150.08	14.614			
9,800.00	7,078.92	9,451.56	7,240.17	79.24	75.93	94.22	-498.46	-1,128.47	2,193.37	2,038.37	155.00	14.151			
9,900.00	7,079.44	9,551.56	7,240.36	81.63	78.45	94.21	-498.07	-1,228.47	2,193.44	2,033.47	159.97	13.712			
10,000.00	7,079.97	9,651.56	7,240.54	84.06	81.00	94.20	-497.68	-1,328.46	2,193.51	2,028.53	164.99	13.295			
10,100.00	7,080.49	9,751.56	7,240.73	86.52	83.56	94.19	-497.29	-1,428.46	2,193.59	2,023.54	170.05	12.900			
10,200.00	7,081.01	9,851.56	7,240.92	89.01	86.15	94.18	-496.90	-1,528.46	2,193.66	2,018.51	175.15	12.525			
10,300.00	7,081.54	9,951.56	7,241.10	91.52	88.75	94.17	-496.51	-1,628.46	2,193.73	2,013.45	180.29	12.168			
10,400.00	7,082.06	10,051.56	7,241.29	94.05	91.37	94.16	-496.12	-1,728.46	2,193.81	2,008.35	185.46	11.829			
10,500.00	7,082.58	10,151.56	7,241.47	96.61	94.00	94.15	-495.72	-1,828.46	2,193.88	2,003.22	190.66	11.507			
10,600.00	7,083.10	10,251.56	7,241.66	99.18	96.64	94.14	-495.33	-1,928.45	2,193.95	1,998.06	195.89	11.200			
10,700.00	7,083.63	10,351.55	7,241.85	101.77	99.30	94.14	-494.94	-2,028.45	2,194.03	1,992.88	201.14	10.908			
10,800.00	7,084.15	10,451.55	7,242.03	104.38	101.97	94.13	-494.55	-2,128.45	2,194.10	1,987.68	206.42	10.629			
10,900.00	7,084.67	10,551.55	7,242.22	107.00	104.65	94.12	-494.16	-2,228.45	2,194.17	1,982.45	211.73	10.363			
11,000.00	7,085.20	10,651.55	7,242.41	109.63	107.33	94.11	-493.77	-2,328.45	2,194.25	1,977.20	217.05	10.109			
11,100.00	7,085.72	10,751.55	7,242.59	112.27	110.03	94.10	-493.38	-2,428.45	2,194.32	1,971.93	222.39	9.867			
11,200.00	7,086.24	10,851.55	7,242.78	114.93	112.74	94.09	-492.99	-2,528.45	2,194.39	1,966.64	227.75	9.635			
11,300.00	7,086.77	10,951.55	7,242.96	117.59	115.45	94.08	-492.60	-2,628.44	2,194.47	1,961.34	233.13	9.413			
11,400.00	7,087.29	11,051.55	7,243.15	120.27	118.17	94.07	-492.21	-2,728.44	2,194.54	1,956.02	238.52	9.201			
11,500.00	7,087.81	11,151.55	7,243.34	122.95	120.89	94.06	-491.82	-2,828.44	2,194.61	1,950.69	243.93	8.997			
11,600.00	7,088.33	11,251.55	7,243.52	125.64	123.63	94.06	-491.43	-2,928.44	2,194.69	1,945.34	249.35	8.802			
11,700.00	7,088.86	11,351.55	7,243.71	128.34	126.36	94.05	-491.04	-3,028.44	2,194.76	1,939.98	254.78	8.614			
11,800.00	7,089.38	11,451.55	7,243.90	131.05	129.11	94.04	-490.65	-3,128.44	2,194.84	1,934.61	260.23	8.434			
11,900.00	7,089.90	11,551.55	7,244.08	133.76	131.86	94.03	-490.26	-3,228.43	2,194.91	1,929.23	265.68	8.261			
12,000.00	7,090.43	11,651.55	7,244.27	136.49	134.61	94.02	-489.86	-3,328.43	2,194.98	1,923.84	271.15	8.095			
12,100.00	7,090.95	11,751.55	7,244.45	139.21	137.37	94.01	-489.47	-3,428.43	2,195.06	1,918.43	276.62	7.935			
12,200.00	7,091.47	11,851.55	7,244.64	141.94	140.13	94.00	-489.08	-3,528.43	2,195.13	1,913.02	282.11	7.781			
12,300.00	7,092.00	11,951.54	7,244.83	144.68	142.89	93.99	-488.69	-3,628.43	2,195.21	1,907.60	287.61	7.633			
12,400.00	7,092.52	12,051.54	7,245.01	147.42	145.66	93.98	-488.30	-3,728.43	2,195.28	1,902.17	293.11	7.490			
12,500.00	7,093.04	12,151.54	7,245.20	150.17	148.44	93.97	-487.91	-3,828.43	2,195.36	1,896.74	298.62	7.352			
12,600.00	7,093.57	12,251.54	7,245.39	152.92	151.21	93.97	-487.52	-3,928.42	2,195.43	1,891.29	304.14	7.219			
12,700.00	7,094.09	12,351.54	7,245.57	155.67	153.99	93.96	-487.13	-4,028.42	2,195.50	1,885.84	309.66	7.090			
12,800.00	7,094.61	12,451.54	7,245.76	158.43	156.77	93.95	-486.74	-4,128.42	2,195.58	1,880.38	315.19	6.966			
12,900.00	7,095.13	12,551.54	7,245.95	161.19	159.56	93.94	-486.35	-4,228.42	2,195.65	1,874.92	320.73	6.846			
13,000.00	7,095.66	12,651.54	7,246.13	163.96	162.35	93.93	-485.96	-4,328.42	2,195.73	1,869.45	326.28	6.730			
13,100.00	7,096.18	12,751.54	7,246.32	166.73	165.14	93.92	-485.57	-4,428.42	2,195.80	1,863.97	331.83	6.617			
13,200.00	7,096.70	12,851.54	7,246.50	169.50	167.93	93.91	-485.18	-4,528.41	2,195.88	1,858.49	337.38	6.509			
13,256.62	7,097.00	12,908.16	7,246.61	171.07	169.51	93.91	-484.96	-4,585.03	2,195.92	1,855.39	340.53	6.449 SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	0.48	165.03	1.39	165.04					
100.00	100.00	100.00	100.00	3.28	3.28	0.48	165.03	1.39	165.04	158.47	6.57	25.123		
200.00	200.00	200.00	200.00	3.34	3.34	0.48	165.03	1.39	165.04	158.37	6.67	24.729		
300.00	300.00	300.92	300.90	3.44	3.44	1.09	164.73	3.14	164.76	157.87	6.89	23.919		
320.71	320.71	321.80	321.76	3.47	3.47	-152.13	164.59	3.94	164.70	157.76	6.94	23.717 CC, ES		
400.00	399.98	401.64	401.48	3.60	3.60	-150.85	163.80	8.38	165.55	158.35	7.20	23.007		
500.00	499.84	502.04	501.48	3.79	3.81	-148.72	162.27	17.06	169.10	161.51	7.59	22.279		
600.00	599.45	601.97	600.65	4.02	4.05	-146.13	160.15	29.12	175.59	167.52	8.07	21.760		
700.00	698.70	701.28	698.72	4.29	4.34	-143.26	157.44	44.47	185.18	176.55	8.63	21.469		
800.00	797.47	807.17	795.46	4.59	4.69	-140.28	154.17	63.01	197.98	188.71	9.28	21.344		
900.00	895.62	901.81	891.65	4.93	5.03	-137.72	150.60	83.26	213.93	203.98	9.95	21.498		
1,000.00	993.06	1,003.73	987.55	5.31	5.42	-136.05	147.04	103.46	232.66	221.95	10.70	21.736		
1,100.00	1,089.64	1,106.06	1,083.07	5.72	5.84	-135.11	143.49	123.57	253.92	242.42	11.50	22.073		
1,200.00	1,185.27	1,208.91	1,178.07	6.16	6.27	-134.75	139.96	143.58	277.61	265.26	12.35	22.486		
1,300.00	1,279.82	1,287.60	1,272.44	6.64	6.62	-134.84	136.46	163.45	303.69	290.57	13.12	23.150		
1,400.00	1,373.17	1,383.35	1,366.07	7.16	7.04	-135.26	132.98	183.17	332.17	318.18	13.99	23.735		
1,500.00	1,465.21	1,478.22	1,458.85	7.71	7.47	-135.91	129.54	202.71	363.12	348.22	14.90	24.377		
1,600.00	1,555.84	1,572.10	1,550.65	8.31	7.90	-136.71	126.13	222.04	396.58	380.76	15.82	25.073		
1,613.50	1,567.96	1,584.69	1,562.97	8.39	7.96	-136.83	125.67	224.63	401.30	385.35	15.95	25.165		
1,700.00	1,645.53	1,665.30	1,641.80	8.93	8.34	-137.94	122.74	241.23	431.72	414.97	16.75	25.771		
1,800.00	1,735.20	1,758.50	1,732.93	9.58	8.78	-139.04	119.36	260.42	467.06	449.36	17.70	26.391		
1,900.00	1,824.87	1,851.70	1,824.07	10.25	9.22	-139.99	115.98	279.62	502.52	483.86	18.66	26.937		
2,000.00	1,914.54	1,944.89	1,915.20	10.92	9.67	-140.82	112.59	298.81	538.09	518.46	19.62	27.421		
2,100.00	2,004.21	2,038.09	2,006.34	11.61	10.12	-141.54	109.21	318.00	573.74	553.14	20.60	27.851		
2,200.00	2,093.89	2,131.28	2,097.48	12.30	10.57	-142.18	105.82	337.19	609.47	587.88	21.58	28.236		
2,300.00	2,183.56	2,224.48	2,188.61	13.01	11.03	-142.75	102.44	356.38	645.25	622.68	22.58	28.582		
2,400.00	2,273.23	2,317.68	2,279.75	13.71	11.49	-143.26	99.06	375.57	681.09	657.52	23.57	28.893		
2,500.00	2,362.90	2,410.87	2,370.88	14.43	11.95	-143.72	95.67	394.77	716.97	692.39	24.57	29.175		
2,600.00	2,452.57	2,504.07	2,462.02	15.14	12.41	-144.14	92.29	413.96	752.88	727.30	25.58	29.431		
2,700.00	2,542.25	2,602.74	2,553.15	15.87	12.90	-144.51	88.90	433.15	788.82	762.21	26.62	29.635		
2,800.00	2,631.92	2,709.54	2,644.29	16.59	13.43	-144.86	85.52	452.34	824.80	797.10	27.70	29.777		
2,900.00	2,721.59	2,783.65	2,735.43	17.32	13.80	-145.17	82.14	471.53	860.79	832.17	28.62	30.075		
3,000.00	2,811.26	2,876.85	2,826.56	18.05	14.26	-145.46	78.75	490.73	896.81	867.17	29.64	30.256		
3,100.00	2,900.93	2,970.05	2,917.70	18.78	14.73	-145.73	75.37	509.92	932.85	902.18	30.66	30.423		
3,200.00	2,990.60	3,063.24	3,008.83	19.51	15.20	-145.98	71.98	529.11	968.90	937.21	31.69	30.577		
3,300.00	3,080.28	3,156.44	3,099.97	20.25	15.67	-146.21	68.60	548.30	1,004.97	972.25	32.71	30.721		
3,400.00	3,169.95	3,249.63	3,191.10	20.99	16.14	-146.43	65.22	567.49	1,041.05	1,007.30	33.74	30.854		
3,500.00	3,259.62	3,342.83	3,282.24	21.73	16.60	-146.63	61.83	586.68	1,077.14	1,042.37	34.77	30.978		
3,600.00	3,349.29	3,436.03	3,373.37	22.47	17.08	-146.81	58.45	605.88	1,113.24	1,077.44	35.80	31.094		
3,700.00	3,438.96	3,529.22	3,464.51	23.21	17.55	-146.99	55.06	625.07	1,149.35	1,112.52	36.83	31.203		
3,800.00	3,528.64	3,622.42	3,555.65	23.95	18.02	-147.15	51.68	644.26	1,185.47	1,147.60	37.87	31.305		
3,900.00	3,618.31	3,715.61	3,646.78	24.69	18.49	-147.31	48.30	663.45	1,221.60	1,182.70	38.90	31.400		
4,000.00	3,707.98	3,808.81	3,737.92	25.44	18.96	-147.45	44.91	682.64	1,257.74	1,217.80	39.94	31.490		
4,100.00	3,797.65	3,902.01	3,829.05	26.18	19.43	-147.59	41.53	701.84	1,293.88	1,252.90	40.98	31.575		
4,200.00	3,887.32	4,004.80	3,920.19	26.93	19.96	-147.72	38.14	721.03	1,330.03	1,287.97	42.06	31.619		
4,300.00	3,976.99	4,088.40	4,011.32	27.68	20.38	-147.85	34.76	740.22	1,366.19	1,323.13	43.06	31.731		
4,400.00	4,066.67	4,181.59	4,102.46	28.42	20.85	-147.96	31.38	759.41	1,402.35	1,358.25	44.10	31.803		
4,500.00	4,156.34	4,274.79	4,193.59	29.17	21.33	-148.07	27.99	778.60	1,438.51	1,393.37	45.14	31.870		
4,600.00	4,246.01	4,367.98	4,284.73	29.92	21.80	-148.18	24.61	797.79	1,474.68	1,428.50	46.18	31.935		
4,700.00	4,335.68	4,461.18	4,375.87	30.67	22.28	-148.28	21.22	816.99	1,510.85	1,463.63	47.22	31.996		
4,800.00	4,425.35	4,554.38	4,467.00	31.42	22.75	-148.38	17.84	836.18	1,547.03	1,498.77	48.26	32.054		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,515.03	4,647.57	4,558.14	32.17	23.23	-148.47	14.46	855.37	1,583.21	1,533.91	49.31	32.110		
5,000.00	4,604.70	4,740.77	4,649.27	32.92	23.70	-148.56	11.07	874.56	1,619.40	1,569.05	50.35	32.163		
5,100.00	4,694.37	4,833.96	4,740.41	33.67	24.18	-148.64	7.69	893.75	1,655.59	1,604.19	51.39	32.213		
5,200.00	4,784.04	4,927.16	4,831.54	34.42	24.65	-148.72	4.30	912.94	1,691.78	1,639.34	52.44	32.261		
5,300.00	4,873.71	5,020.36	4,922.68	35.17	25.13	-148.80	0.92	932.14	1,727.97	1,674.48	53.49	32.307		
5,400.00	4,963.38	5,113.55	5,013.81	35.92	25.61	-148.87	-2.46	951.33	1,764.17	1,709.63	54.53	32.351		
5,500.00	5,053.06	5,206.75	5,104.95	36.67	26.08	-148.94	-5.85	970.52	1,800.36	1,744.79	55.58	32.394		
5,600.00	5,142.73	5,300.06	5,196.09	37.43	26.56	-149.01	-9.23	989.71	1,836.56	1,779.94	56.63	32.434		
5,700.00	5,232.40	5,406.86	5,287.22	38.18	27.11	-149.07	-12.62	1,008.90	1,872.77	1,815.03	57.74	32.434		
5,800.00	5,322.07	5,486.34	5,378.36	38.93	27.51	-149.14	-16.00	1,028.10	1,908.97	1,850.25	58.72	32.510		
5,900.00	5,411.74	5,579.53	5,469.49	39.68	27.99	-149.20	-19.39	1,047.29	1,945.18	1,885.41	59.77	32.546		
6,000.00	5,501.42	5,672.73	5,560.63	40.44	28.47	-149.26	-22.77	1,066.48	1,981.39	1,920.57	60.82	32.580		
6,100.00	5,591.09	5,765.92	5,651.76	41.19	28.94	-149.31	-26.15	1,085.67	2,017.60	1,955.73	61.86	32.613		
6,200.00	5,680.76	5,859.12	5,742.90	41.94	29.42	-149.37	-29.54	1,104.86	2,053.81	1,990.90	62.91	32.645		
6,300.00	5,770.43	5,952.31	5,834.04	42.70	29.90	-149.42	-32.92	1,124.05	2,090.02	2,026.06	63.96	32.675		
6,400.00	5,860.10	6,045.51	5,925.17	43.45	30.37	-149.47	-36.31	1,143.25	2,126.24	2,061.23	65.01	32.705		
6,500.00	5,949.77	6,138.71	6,016.31	44.20	30.85	-149.52	-39.69	1,162.44	2,162.45	2,096.39	66.06	32.733		
6,600.00	6,039.45	6,231.90	6,107.44	44.96	31.33	-149.56	-43.07	1,181.63	2,198.67	2,131.56	67.11	32.761		
6,700.00	6,129.12	6,328.51	6,202.04	45.71	31.82	-149.63	-46.59	1,200.85	2,234.87	2,166.68	68.19	32.775		
6,800.00	6,218.79	6,431.84	6,304.86	46.46	32.25	-150.03	-50.46	1,209.06	2,270.74	2,201.55	69.19	32.819		
6,900.00	6,308.46	6,528.42	6,400.99	47.22	32.58	-150.79	-54.13	1,201.61	2,306.44	2,236.45	69.98	32.956		
6,969.86	6,371.11	6,590.08	6,461.33	47.75	32.79	-151.45	-56.46	1,189.27	2,331.53	2,261.07	70.46	33.089		
7,000.00	6,398.25	6,615.33	6,485.65	47.97	32.88	-158.02	-57.40	1,182.54	2,342.49	2,271.84	70.65	33.156		
7,050.00	6,443.70	6,656.45	6,524.62	48.31	33.04	-169.76	-58.93	1,169.53	2,360.94	2,290.00	70.95	33.277		
7,100.00	6,489.42	6,696.73	6,561.90	48.61	33.20	177.89	-60.40	1,154.37	2,379.62	2,308.39	71.23	33.409		
7,150.00	6,535.12	6,736.31	6,597.53	48.87	33.37	165.60	-61.81	1,137.20	2,398.38	2,326.88	71.50	33.545		
7,200.00	6,580.53	6,775.31	6,631.53	49.09	33.54	154.02	-63.17	1,118.15	2,417.09	2,345.33	71.76	33.682		
7,250.00	6,625.36	6,813.84	6,663.91	49.27	33.73	143.60	-64.47	1,097.32	2,435.60	2,363.57	72.03	33.814		
7,300.00	6,669.35	6,851.99	6,694.67	49.42	33.93	134.49	-65.72	1,074.81	2,453.80	2,381.49	72.30	33.937		
7,350.00	6,712.21	6,889.82	6,723.79	49.55	34.14	126.66	-66.91	1,050.70	2,471.54	2,398.94	72.60	34.043		
7,400.00	6,753.69	6,927.41	6,751.26	49.65	34.37	119.98	-68.05	1,025.07	2,488.71	2,415.80	72.92	34.131		
7,450.00	6,793.52	6,964.80	6,777.04	49.73	34.61	114.27	-69.12	998.01	2,505.20	2,431.94	73.26	34.196		
7,500.00	6,831.47	7,002.05	6,801.09	49.81	34.87	109.40	-70.14	969.59	2,520.89	2,447.25	73.64	34.234		
7,550.00	6,867.30	7,039.19	6,823.38	49.88	35.15	105.22	-71.09	939.91	2,535.67	2,461.61	74.06	34.238		
7,600.00	6,900.78	7,076.25	6,843.86	49.95	35.46	101.64	-71.98	909.04	2,549.46	2,474.93	74.53	34.206		
7,650.00	6,931.72	7,113.25	6,862.48	50.03	35.78	98.58	-72.80	877.09	2,562.17	2,487.11	75.06	34.137		
7,700.00	6,959.92	7,150.00	6,879.11	50.11	36.12	95.97	-73.55	844.32	2,573.71	2,498.07	75.64	34.027		
7,750.00	6,985.20	7,187.14	6,893.96	50.20	36.49	93.76	-74.24	810.30	2,584.01	2,507.72	76.29	33.869		
7,800.00	7,007.41	7,224.05	6,906.74	50.30	36.87	91.91	-74.85	775.69	2,593.01	2,515.99	77.02	33.667		
7,850.00	7,026.42	7,260.94	6,917.49	50.42	37.28	90.39	-75.39	740.40	2,600.65	2,522.84	77.81	33.422		
7,900.00	7,042.11	7,300.00	6,926.62	50.57	37.73	89.18	-75.87	702.43	2,606.90	2,528.20	78.70	33.125		
7,950.00	7,054.37	7,334.68	6,932.76	50.73	38.15	88.27	-76.23	668.31	2,611.69	2,532.07	79.62	32.801		
8,000.00	7,063.14	7,371.52	6,937.24	50.92	38.61	87.63	-76.53	631.75	2,615.02	2,534.39	80.63	32.432		
8,050.00	7,068.36	7,408.33	6,939.61	51.13	39.07	87.26	-76.76	595.02	2,616.85	2,535.15	81.70	32.031		
8,094.17	7,070.00	7,445.03	6,940.04	51.34	39.56	87.15	-76.91	558.33	2,617.21	2,534.48	82.73	31.636		
8,100.00	7,070.03	7,450.85	6,940.06	51.37	39.64	87.15	-76.93	552.50	2,617.17	2,534.29	82.88	31.579		
8,200.00	7,070.55	7,550.85	6,940.32	51.94	41.07	87.15	-77.30	452.50	2,616.52	2,530.93	85.58	30.572		
8,300.00	7,071.07	7,650.85	6,940.59	52.64	42.63	87.14	-77.68	352.51	2,615.86	2,527.29	88.57	29.535		
8,400.00	7,071.60	7,750.85	6,940.86	53.49	44.33	87.13	-78.05	252.51	2,615.21	2,523.40	91.81	28.485		
8,500.00	7,072.12	7,850.84	6,941.12	54.50	46.14	87.13	-78.43	152.51	2,614.55	2,519.27	95.28	27.440		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	7,950.84	6,941.39	55.69	48.05	87.12	-78.80	52.52	2,613.90	2,514.93	98.96	26.412		
8,700.00	7,073.17	8,050.84	6,941.65	57.04	50.06	87.11	-79.18	-47.48	2,613.24	2,510.41	102.83	25.413		
8,800.00	7,073.69	8,150.84	6,941.92	58.55	52.14	87.11	-79.56	-147.47	2,612.59	2,505.73	106.86	24.448		
8,900.00	7,074.21	8,250.83	6,942.19	60.21	54.30	87.10	-79.93	-247.47	2,611.94	2,500.89	111.04	23.522		
9,000.00	7,074.74	8,350.83	6,942.45	61.99	56.51	87.09	-80.31	-347.47	2,611.28	2,495.93	115.35	22.637		
9,100.00	7,075.26	8,450.83	6,942.72	63.88	58.79	87.09	-80.68	-447.46	2,610.63	2,490.85	119.78	21.795		
9,200.00	7,075.78	8,550.83	6,942.99	65.87	61.11	87.08	-81.06	-547.46	2,609.97	2,485.66	124.31	20.995		
9,300.00	7,076.30	8,650.82	6,943.25	67.95	63.48	87.08	-81.43	-647.46	2,609.32	2,480.38	128.94	20.237		
9,400.00	7,076.83	8,750.82	6,943.52	70.09	65.88	87.07	-81.81	-747.45	2,608.67	2,475.02	133.65	19.519		
9,500.00	7,077.35	8,850.82	6,943.78	72.30	68.33	87.06	-82.18	-847.45	2,608.01	2,469.58	138.44	18.839		
9,600.00	7,077.87	8,950.82	6,944.05	74.57	70.80	87.06	-82.56	-947.45	2,607.36	2,464.07	143.29	18.197		
9,700.00	7,078.40	9,050.81	6,944.32	76.88	73.30	87.05	-82.93	-1,047.44	2,606.70	2,458.50	148.20	17.589		
9,800.00	7,078.92	9,150.81	6,944.58	79.24	75.83	87.04	-83.31	-1,147.44	2,606.05	2,452.88	153.17	17.014		
9,900.00	7,079.44	9,250.81	6,944.85	81.63	78.37	87.04	-83.68	-1,247.44	2,605.40	2,447.20	158.19	16.470		
10,000.00	7,079.97	9,350.81	6,945.11	84.06	80.94	87.03	-84.06	-1,347.43	2,604.74	2,441.49	163.26	15.955		
10,100.00	7,080.49	9,450.80	6,945.38	86.52	83.53	87.02	-84.43	-1,447.43	2,604.09	2,435.73	168.36	15.467		
10,200.00	7,081.01	9,550.80	6,945.65	89.01	86.14	87.02	-84.81	-1,547.42	2,603.43	2,429.93	173.51	15.005		
10,300.00	7,081.54	9,650.80	6,945.91	91.52	88.76	87.01	-85.19	-1,647.42	2,602.78	2,424.10	178.68	14.566		
10,400.00	7,082.06	9,750.80	6,946.18	94.05	91.40	87.00	-85.56	-1,747.42	2,602.13	2,418.23	183.89	14.150		
10,500.00	7,082.58	9,850.79	6,946.44	96.61	94.05	87.00	-85.94	-1,847.41	2,601.47	2,412.34	189.13	13.755		
10,600.00	7,083.10	9,950.79	6,946.71	99.18	96.71	86.99	-86.31	-1,947.41	2,600.82	2,406.42	194.40	13.379		
10,700.00	7,083.63	10,050.79	6,946.98	101.77	99.38	86.99	-86.69	-2,047.41	2,600.17	2,400.48	199.69	13.021		
10,800.00	7,084.15	10,150.79	6,947.24	104.38	102.06	86.98	-87.06	-2,147.40	2,599.51	2,394.51	205.00	12.681		
10,900.00	7,084.67	10,250.78	6,947.51	107.00	104.75	86.97	-87.44	-2,247.40	2,598.86	2,388.53	210.33	12.356		
11,000.00	7,085.20	10,350.78	6,947.77	109.63	107.45	86.97	-87.81	-2,347.40	2,598.20	2,382.52	215.68	12.046		
11,100.00	7,085.72	10,450.78	6,948.04	112.27	110.16	86.96	-88.19	-2,447.39	2,597.55	2,376.50	221.05	11.751		
11,200.00	7,086.24	10,550.77	6,948.31	114.93	112.87	86.95	-88.56	-2,547.39	2,596.90	2,370.46	226.44	11.468		
11,300.00	7,086.77	10,650.77	6,948.57	117.59	115.60	86.95	-88.94	-2,647.38	2,596.24	2,364.40	231.84	11.198		
11,400.00	7,087.29	10,750.77	6,948.84	120.27	118.33	86.94	-89.31	-2,747.38	2,595.59	2,358.33	237.26	10.940		
11,500.00	7,087.81	10,850.77	6,949.10	122.95	121.06	86.93	-89.69	-2,847.38	2,594.94	2,352.25	242.69	10.692		
11,600.00	7,088.33	10,950.76	6,949.37	125.64	123.80	86.93	-90.06	-2,947.37	2,594.28	2,346.15	248.13	10.455		
11,700.00	7,088.86	11,050.76	6,949.64	128.34	126.55	86.92	-90.44	-3,047.37	2,593.63	2,340.04	253.59	10.228		
11,800.00	7,089.38	11,150.76	6,949.90	131.05	129.30	86.91	-90.81	-3,147.37	2,592.98	2,333.92	259.05	10.009		
11,900.00	7,089.90	11,250.76	6,950.17	133.76	132.05	86.91	-91.19	-3,247.36	2,592.32	2,327.79	264.53	9.800		
12,000.00	7,090.43	11,350.75	6,950.43	136.49	134.81	86.90	-91.57	-3,347.36	2,591.67	2,321.66	270.02	9.598		
12,100.00	7,090.95	11,450.75	6,950.70	139.21	137.58	86.90	-91.94	-3,447.36	2,591.02	2,315.51	275.51	9.404		
12,200.00	7,091.47	11,550.75	6,950.97	141.94	140.34	86.89	-92.32	-3,547.35	2,590.36	2,309.35	281.01	9.218		
12,300.00	7,092.00	11,650.75	6,951.23	144.68	143.11	86.88	-92.69	-3,647.35	2,589.71	2,303.19	286.52	9.038		
12,400.00	7,092.52	11,750.74	6,951.50	147.42	145.89	86.88	-93.07	-3,747.34	2,589.06	2,297.02	292.04	8.865		
12,500.00	7,093.04	11,850.74	6,951.76	150.17	148.67	86.87	-93.44	-3,847.34	2,588.41	2,290.84	297.57	8.699		
12,600.00	7,093.57	11,950.74	6,952.03	152.92	151.45	86.86	-93.82	-3,947.34	2,587.75	2,284.65	303.10	8.538		
12,700.00	7,094.09	12,050.74	6,952.30	155.67	154.23	86.86	-94.19	-4,047.33	2,587.10	2,278.46	308.64	8.382		
12,800.00	7,094.61	12,150.73	6,952.56	158.43	157.02	86.85	-94.57	-4,147.33	2,586.45	2,272.26	314.19	8.232		
12,900.00	7,095.13	12,250.73	6,952.83	161.19	159.80	86.84	-94.94	-4,247.33	2,585.79	2,266.06	319.74	8.087		
13,000.00	7,095.66	12,350.73	6,953.10	163.96	162.60	86.84	-95.32	-4,347.32	2,585.14	2,259.85	325.29	7.947		
13,100.00	7,096.18	12,450.73	6,953.36	166.73	165.39	86.83	-95.69	-4,447.32	2,584.49	2,253.63	330.85	7.812		
13,200.00	7,096.70	12,550.72	6,953.63	169.50	168.18	86.82	-96.07	-4,547.32	2,583.84	2,247.41	336.42	7.680		
13,256.62	7,097.00	12,607.34	6,953.78	171.07	169.77	86.82	-96.28	-4,603.93	2,583.47	2,243.89	339.57	7.608 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.44	179.96	1.39	179.97					
100.00	100.00	100.00	100.00	3.28	3.28	0.44	179.96	1.39	179.97	173.40	6.57	27.395		
200.00	200.00	200.00	200.00	3.34	3.34	0.44	179.96	1.39	179.97	173.29	6.67	26.965		
300.00	300.00	300.00	300.00	3.44	3.44	0.44	179.96	1.39	179.97	173.08	6.89	26.121 CC, ES		
400.00	399.98	400.53	400.51	3.60	3.60	-152.73	179.79	3.15	181.37	174.18	7.20	25.203		
500.00	499.84	500.88	500.72	3.79	3.80	-151.81	179.29	8.40	185.61	178.02	7.59	24.469		
600.00	599.45	600.89	600.34	4.02	4.04	-150.37	178.45	17.10	192.76	184.70	8.06	23.925		
700.00	698.70	700.39	699.09	4.29	4.31	-148.51	177.28	29.20	202.92	194.32	8.60	23.595		
800.00	797.47	799.21	796.69	4.59	4.62	-146.39	175.80	44.58	216.21	207.00	9.21	23.480		
900.00	895.62	897.20	892.89	4.93	4.96	-144.11	174.01	63.13	232.72	222.84	9.88	23.565		
1,000.00	993.06	1,005.67	987.56	5.31	5.37	-141.80	171.93	84.70	252.50	241.86	10.64	23.726		
1,100.00	1,089.64	1,108.57	1,081.93	5.72	5.78	-139.94	169.73	107.46	275.31	263.87	11.44	24.062		
1,200.00	1,185.27	1,188.02	1,175.80	6.16	6.12	-138.72	167.55	130.10	300.85	288.66	12.18	24.693		
1,300.00	1,279.82	1,283.97	1,269.06	6.64	6.55	-138.01	165.38	152.58	328.94	315.91	13.03	25.242		
1,400.00	1,373.17	1,379.18	1,361.59	7.16	6.98	-137.71	163.23	174.89	359.52	345.61	13.91	25.846		
1,500.00	1,465.21	1,473.51	1,453.27	7.71	7.42	-137.70	161.10	197.00	392.55	377.74	14.82	26.497		
1,600.00	1,555.84	1,566.86	1,544.00	8.31	7.86	-137.91	158.99	218.88	428.06	412.31	15.74	27.190		
1,613.50	1,567.96	1,579.39	1,556.17	8.39	7.92	-137.96	158.70	221.81	433.04	417.17	15.87	27.280		
1,700.00	1,645.53	1,659.55	1,634.08	8.93	8.30	-138.65	156.89	240.60	465.14	448.45	16.69	27.873		
1,800.00	1,735.20	1,752.23	1,724.15	9.58	8.75	-139.33	154.80	262.32	502.32	484.67	17.64	28.468		
1,900.00	1,824.87	1,844.90	1,814.22	10.25	9.21	-139.93	152.70	284.04	539.55	520.93	18.62	28.983		
2,000.00	1,914.54	1,937.58	1,904.29	10.92	9.67	-140.44	150.61	305.76	576.82	557.22	19.60	29.429		
2,100.00	2,004.21	2,030.26	1,994.36	11.61	10.13	-140.90	148.51	327.48	614.13	593.53	20.59	29.820		
2,200.00	2,093.89	2,122.93	2,084.43	12.30	10.60	-141.30	146.42	349.20	651.47	629.87	21.60	30.163		
2,300.00	2,183.56	2,215.61	2,174.51	13.01	11.07	-141.66	144.32	370.92	688.83	666.22	22.61	30.466		
2,400.00	2,273.23	2,308.28	2,264.58	13.71	11.54	-141.98	142.23	392.63	726.21	702.59	23.63	30.736		
2,500.00	2,362.90	2,400.96	2,354.65	14.43	12.02	-142.27	140.13	414.35	763.61	738.96	24.65	30.977		
2,600.00	2,452.57	2,506.36	2,444.72	15.14	12.56	-142.54	138.04	436.07	801.03	775.29	25.75	31.113		
2,700.00	2,542.25	2,586.31	2,534.79	15.87	12.97	-142.78	135.94	457.79	838.46	811.75	26.71	31.387		
2,800.00	2,631.92	2,678.99	2,624.86	16.59	13.45	-142.99	133.85	479.51	875.90	848.15	27.75	31.563		
2,900.00	2,721.59	2,771.66	2,714.93	17.32	13.93	-143.20	131.75	501.23	913.35	884.56	28.79	31.722		
3,000.00	2,811.26	2,864.34	2,805.00	18.05	14.41	-143.38	129.66	522.95	950.81	920.98	29.84	31.868		
3,100.00	2,900.93	2,957.02	2,895.07	18.78	14.90	-143.55	127.56	544.67	988.28	957.40	30.88	32.000		
3,200.00	2,990.60	3,049.69	2,985.14	19.51	15.38	-143.71	125.47	566.39	1,025.76	993.83	31.93	32.122		
3,300.00	3,080.28	3,142.37	3,075.21	20.25	15.87	-143.86	123.37	588.11	1,063.24	1,030.26	32.99	32.234		
3,400.00	3,169.95	3,235.04	3,165.28	20.99	16.35	-144.00	121.28	609.83	1,100.73	1,066.69	34.04	32.337		
3,500.00	3,259.62	3,327.72	3,255.36	21.73	16.84	-144.13	119.18	631.55	1,138.22	1,103.13	35.10	32.432		
3,600.00	3,349.29	3,420.40	3,345.43	22.47	17.33	-144.25	117.09	653.26	1,175.72	1,139.57	36.15	32.520		
3,700.00	3,438.96	3,513.07	3,435.50	23.21	17.82	-144.36	114.99	674.98	1,213.22	1,176.01	37.21	32.602		
3,800.00	3,528.64	3,605.75	3,525.57	23.95	18.30	-144.47	112.90	696.70	1,250.73	1,212.45	38.27	32.679		
3,900.00	3,618.31	3,701.57	3,615.64	24.69	18.81	-144.57	110.80	718.42	1,288.23	1,248.88	39.35	32.736		
4,000.00	3,707.98	3,808.90	3,705.71	25.44	19.38	-144.66	108.71	740.14	1,325.75	1,285.25	40.49	32.740		
4,100.00	3,797.65	3,883.78	3,795.78	26.18	19.77	-144.75	106.61	761.86	1,363.26	1,321.80	41.46	32.878		
4,200.00	3,887.32	3,976.45	3,885.85	26.93	20.26	-144.83	104.52	783.58	1,400.78	1,358.25	42.53	32.937		
4,300.00	3,976.99	4,069.13	3,975.92	27.68	20.75	-144.91	102.42	805.30	1,438.30	1,394.70	43.60	32.992		
4,400.00	4,066.67	4,161.81	4,065.99	28.42	21.25	-144.99	100.33	827.02	1,475.82	1,431.16	44.66	33.043		
4,500.00	4,156.34	4,254.48	4,156.06	29.17	21.74	-145.06	98.23	848.74	1,513.35	1,467.61	45.73	33.092		
4,600.00	4,246.01	4,347.16	4,246.13	29.92	22.23	-145.13	96.14	870.46	1,550.87	1,504.07	46.80	33.137		
4,700.00	4,335.68	4,439.83	4,336.21	30.67	22.72	-145.20	94.04	892.17	1,588.40	1,540.53	47.87	33.181		
4,800.00	4,425.35	4,532.51	4,426.28	31.42	23.21	-145.26	91.95	913.89	1,625.93	1,576.99	48.94	33.222		
4,900.00	4,515.03	4,625.19	4,516.35	32.17	23.71	-145.32	89.85	935.61	1,663.46	1,613.45	50.01	33.260		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,717.86	4,606.42	32.92	24.20	-145.38	87.76	957.33	1,701.00	1,649.91	51.09	33.297					
5,100.00	4,694.37	4,810.54	4,696.49	33.67	24.69	-145.43	85.66	979.05	1,738.53	1,686.37	52.16	33.332					
5,200.00	4,784.04	4,903.22	4,786.56	34.42	25.19	-145.48	83.57	1,000.77	1,776.07	1,722.83	53.23	33.365					
5,300.00	4,873.71	5,004.11	4,876.63	35.17	25.72	-145.53	81.48	1,022.49	1,813.60	1,759.25	54.35	33.370					
5,400.00	4,963.38	5,088.57	4,966.70	35.92	26.17	-145.58	79.38	1,044.21	1,851.14	1,795.76	55.38	33.427					
5,500.00	5,053.06	5,181.24	5,056.77	36.67	26.67	-145.63	77.29	1,065.93	1,888.68	1,832.23	56.45	33.455					
5,600.00	5,142.73	5,273.92	5,146.84	37.43	27.16	-145.67	75.19	1,087.65	1,926.22	1,868.69	57.53	33.482					
5,700.00	5,232.40	5,366.60	5,236.91	38.18	27.66	-145.71	73.10	1,109.37	1,963.76	1,905.16	58.60	33.508					
5,800.00	5,322.07	5,459.27	5,326.98	38.93	28.15	-145.75	71.00	1,131.08	2,001.30	1,941.62	59.68	33.533					
5,900.00	5,411.74	5,551.18	5,416.65	39.68	28.62	-145.84	69.07	1,151.15	2,038.86	1,978.14	60.73	33.575					
6,000.00	5,501.42	5,642.80	5,506.63	40.44	29.08	-146.01	67.41	1,168.29	2,076.47	2,014.73	61.74	33.634					
6,100.00	5,591.09	5,733.93	5,596.64	41.19	29.50	-146.26	66.04	1,182.48	2,114.14	2,051.43	62.71	33.714					
6,200.00	5,680.76	5,824.40	5,686.40	41.94	29.91	-146.58	64.96	1,193.75	2,151.92	2,088.28	63.64	33.814					
6,300.00	5,770.43	5,914.04	5,775.63	42.70	30.29	-146.96	64.15	1,202.13	2,189.84	2,125.31	64.53	33.935					
6,400.00	5,860.10	6,002.68	5,864.10	43.45	30.65	-147.40	63.61	1,207.68	2,227.95	2,162.57	65.38	34.077					
6,500.00	5,949.77	6,090.18	5,951.55	44.20	30.98	-147.90	63.34	1,210.48	2,266.31	2,200.12	66.19	34.240					
6,600.00	6,039.45	6,178.08	6,039.45	44.96	31.30	-148.45	63.30	1,210.89	2,304.96	2,237.98	66.97	34.416					
6,700.00	6,129.12	6,267.76	6,129.12	45.71	31.62	-149.00	63.30	1,210.89	2,343.83	2,276.06	67.77	34.586					
6,800.00	6,218.79	6,357.43	6,218.79	46.46	31.94	-149.53	63.30	1,210.89	2,382.88	2,314.32	68.56	34.754					
6,900.00	6,308.46	6,447.10	6,308.46	47.22	32.27	-150.05	63.30	1,210.89	2,422.12	2,352.75	69.36	34.920					
6,969.86	6,371.11	6,509.75	6,371.11	47.75	32.49	-150.40	63.30	1,210.89	2,449.63	2,379.71	69.92	35.035					
7,000.00	6,398.25	6,536.89	6,398.25	47.97	32.59	-156.92	63.30	1,210.89	2,461.58	2,391.41	70.16	35.084					
7,050.00	6,443.70	6,583.08	6,444.44	48.31	32.76	-168.53	63.30	1,210.54	2,481.59	2,411.03	70.56	35.169					
7,100.00	6,489.42	6,630.07	6,491.30	48.61	32.92	179.25	63.28	1,207.26	2,501.71	2,430.77	70.94	35.263					
7,150.00	6,535.12	6,676.79	6,537.53	48.87	33.09	167.08	63.25	1,200.57	2,521.79	2,450.49	71.31	35.366					
7,200.00	6,580.53	6,723.34	6,582.98	49.09	33.26	155.63	63.20	1,190.56	2,541.72	2,470.06	71.66	35.469					
7,250.00	6,625.36	6,769.81	6,627.50	49.27	33.44	145.32	63.13	1,177.28	2,561.35	2,489.34	72.01	35.568					
7,300.00	6,669.35	6,816.28	6,670.94	49.42	33.63	136.32	63.04	1,160.79	2,580.58	2,508.20	72.37	35.656					
7,350.00	6,712.21	6,862.83	6,713.12	49.55	33.84	128.60	62.94	1,141.14	2,599.27	2,526.53	72.75	35.729					
7,400.00	6,753.69	6,909.51	6,753.87	49.65	34.06	122.01	62.82	1,118.39	2,617.32	2,544.18	73.15	35.782					
7,450.00	6,793.52	6,956.38	6,793.00	49.73	34.31	116.40	62.68	1,092.60	2,634.61	2,561.04	73.57	35.809					
7,500.00	6,831.47	7,003.50	6,830.32	49.81	34.58	111.60	62.53	1,063.85	2,651.04	2,577.00	74.04	35.806					
7,550.00	6,867.30	7,050.88	6,865.60	49.88	34.87	107.50	62.37	1,032.24	2,666.49	2,591.95	74.55	35.769					
7,600.00	6,900.78	7,098.56	6,898.62	49.95	35.20	103.99	62.19	997.86	2,680.89	2,605.78	75.11	35.693					
7,650.00	6,931.72	7,146.54	6,929.17	50.03	35.57	100.99	61.99	960.88	2,694.13	2,618.40	75.73	35.574					
7,700.00	6,959.92	7,194.82	6,957.01	50.11	35.97	98.43	61.79	921.44	2,706.14	2,629.72	76.42	35.410					
7,750.00	6,985.20	7,243.39	6,981.91	50.20	36.41	96.27	61.57	879.77	2,716.84	2,639.66	77.18	35.200					
7,800.00	7,007.41	7,292.21	7,003.68	50.30	36.90	94.46	61.34	836.08	2,726.17	2,648.15	78.02	34.941					
7,850.00	7,026.42	7,341.24	7,022.10	50.42	37.42	92.98	61.10	790.65	2,734.07	2,655.13	78.94	34.635					
7,900.00	7,042.11	7,390.44	7,037.02	50.57	37.98	91.79	60.86	743.78	2,740.49	2,660.55	79.93	34.285					
7,950.00	7,054.37	7,439.75	7,048.29	50.73	38.57	90.89	60.60	695.80	2,745.39	2,664.38	81.00	33.893					
8,000.00	7,063.14	7,489.10	7,055.83	50.92	39.19	90.26	60.35	647.04	2,748.74	2,666.60	82.14	33.465					
8,050.00	7,068.36	7,538.42	7,059.56	51.13	39.84	89.89	60.09	597.87	2,750.52	2,667.19	83.33	33.008					
8,094.17	7,070.00	7,582.25	7,060.05	51.34	40.42	89.79	59.86	554.05	2,750.78	2,666.36	84.43	32.582					
8,100.00	7,070.03	7,588.08	7,060.06	51.37	40.50	89.79	59.83	548.22	2,750.74	2,666.16	84.58	32.524					
8,200.00	7,070.55	7,688.07	7,060.29	51.94	41.96	89.78	59.31	448.22	2,749.92	2,662.61	87.32	31.494					
8,300.00	7,071.07	7,788.07	7,060.52	52.64	43.56	89.78	58.78	348.23	2,749.10	2,658.78	90.33	30.435					
8,400.00	7,071.60	7,888.07	7,060.75	53.49	45.28	89.77	58.26	248.24	2,748.29	2,654.70	93.59	29.364					
8,500.00	7,072.12	7,988.06	7,060.98	54.50	47.11	89.77	57.73	148.24	2,747.47	2,650.39	97.08	28.300					
8,600.00	7,072.64	8,088.06	7,061.21	55.69	49.04	89.76	57.21	48.25	2,746.66	2,645.88	100.78	27.254					

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	8,188.06	7,061.44	57.04	51.05	89.75	56.69	-51.75	2,745.84	2,641.19	104.65	26.237		
8,800.00	7,073.69	8,288.05	7,061.68	58.55	53.15	89.75	56.16	-151.74	2,745.03	2,636.33	108.69	25.255		
8,900.00	7,074.21	8,388.05	7,061.91	60.21	55.31	89.74	55.64	-251.74	2,744.21	2,631.33	112.88	24.311		
9,000.00	7,074.74	8,488.04	7,062.14	61.99	57.53	89.73	55.11	-351.73	2,743.40	2,626.21	117.19	23.410		
9,100.00	7,075.26	8,588.04	7,062.37	63.88	59.81	89.73	54.59	-451.73	2,742.58	2,620.96	121.62	22.551		
9,200.00	7,075.78	8,688.04	7,062.60	65.87	62.14	89.72	54.07	-551.72	2,741.77	2,615.61	126.15	21.734		
9,300.00	7,076.30	8,788.03	7,062.83	67.95	64.51	89.72	53.54	-651.72	2,740.95	2,610.17	130.78	20.959		
9,400.00	7,076.83	8,888.03	7,063.06	70.09	66.91	89.71	53.02	-751.71	2,740.14	2,604.65	135.48	20.225		
9,500.00	7,077.35	8,988.03	7,063.29	72.30	69.35	89.70	52.49	-851.71	2,739.32	2,599.05	140.27	19.529		
9,600.00	7,077.87	9,088.02	7,063.52	74.57	71.83	89.70	51.97	-951.70	2,738.50	2,593.39	145.12	18.871		
9,700.00	7,078.40	9,188.02	7,063.75	76.88	74.33	89.69	51.45	-1,051.69	2,737.69	2,587.66	150.03	18.248		
9,800.00	7,078.92	9,288.01	7,063.98	79.24	76.85	89.68	50.92	-1,151.69	2,736.87	2,581.88	155.00	17.658		
9,900.00	7,079.44	9,388.01	7,064.21	81.63	79.40	89.68	50.40	-1,251.68	2,736.06	2,576.04	160.01	17.099		
10,000.00	7,079.97	9,488.01	7,064.44	84.06	81.97	89.67	49.87	-1,351.68	2,735.24	2,570.17	165.08	16.569		
10,100.00	7,080.49	9,588.00	7,064.67	86.52	84.55	89.67	49.35	-1,451.67	2,734.43	2,564.25	170.18	16.068		
10,200.00	7,081.01	9,688.00	7,064.90	89.01	87.16	89.66	48.83	-1,551.67	2,733.61	2,558.29	175.32	15.592		
10,300.00	7,081.54	9,788.00	7,065.13	91.52	89.78	89.65	48.30	-1,651.66	2,732.80	2,552.30	180.50	15.140		
10,400.00	7,082.06	9,887.99	7,065.36	94.05	92.41	89.65	47.78	-1,751.66	2,731.98	2,546.28	185.71	14.711		
10,500.00	7,082.58	9,987.99	7,065.59	96.61	95.06	89.64	47.25	-1,851.65	2,731.17	2,540.22	190.95	14.303		
10,600.00	7,083.10	10,087.98	7,065.83	99.18	97.72	89.63	46.73	-1,951.65	2,730.35	2,534.14	196.21	13.915		
10,700.00	7,083.63	10,187.98	7,066.06	101.77	100.39	89.63	46.21	-2,051.64	2,729.54	2,528.04	201.50	13.546		
10,800.00	7,084.15	10,287.98	7,066.29	104.38	103.07	89.62	45.68	-2,151.64	2,728.72	2,521.91	206.81	13.194		
10,900.00	7,084.67	10,387.97	7,066.52	107.00	105.75	89.62	45.16	-2,251.63	2,727.91	2,515.77	212.14	12.859		
11,000.00	7,085.20	10,487.97	7,066.75	109.63	108.45	89.61	44.63	-2,351.62	2,727.10	2,509.60	217.50	12.539		
11,100.00	7,085.72	10,587.97	7,066.98	112.27	111.16	89.60	44.11	-2,451.62	2,726.28	2,503.41	222.87	12.233		
11,200.00	7,086.24	10,687.96	7,067.21	114.93	113.87	89.60	43.59	-2,551.61	2,725.47	2,497.21	228.25	11.941		
11,300.00	7,086.77	10,787.96	7,067.44	117.59	116.59	89.59	43.06	-2,651.61	2,724.65	2,490.99	233.66	11.661		
11,400.00	7,087.29	10,887.95	7,067.67	120.27	119.32	89.58	42.54	-2,751.60	2,723.84	2,484.76	239.07	11.393		
11,500.00	7,087.81	10,987.95	7,067.90	122.95	122.05	89.58	42.01	-2,851.60	2,723.02	2,478.52	244.51	11.137		
11,600.00	7,088.33	11,087.95	7,068.13	125.64	124.79	89.57	41.49	-2,951.59	2,722.21	2,472.26	249.95	10.891		
11,700.00	7,088.86	11,187.94	7,068.36	128.34	127.53	89.57	40.97	-3,051.59	2,721.39	2,466.99	255.41	10.655		
11,800.00	7,089.38	11,287.94	7,068.59	131.05	130.28	89.56	40.44	-3,151.58	2,720.58	2,459.70	260.87	10.429		
11,900.00	7,089.90	11,387.94	7,068.82	133.76	133.03	89.55	39.92	-3,251.58	2,719.76	2,453.41	266.35	10.211		
12,000.00	7,090.43	11,487.93	7,069.05	136.49	135.79	89.55	39.39	-3,351.57	2,718.95	2,447.11	271.84	10.002		
12,100.00	7,090.95	11,587.93	7,069.28	139.21	138.55	89.54	38.87	-3,451.56	2,718.14	2,440.80	277.34	9.801		
12,200.00	7,091.47	11,687.92	7,069.51	141.94	141.32	89.53	38.35	-3,551.56	2,717.32	2,434.48	282.84	9.607		
12,300.00	7,092.00	11,787.92	7,069.74	144.68	144.09	89.53	37.82	-3,651.55	2,716.51	2,428.15	288.36	9.421		
12,400.00	7,092.52	11,887.92	7,069.97	147.42	146.86	89.52	37.30	-3,751.55	2,715.69	2,421.81	293.88	9.241		
12,500.00	7,093.04	11,987.91	7,070.21	150.17	149.64	89.52	36.77	-3,851.54	2,714.88	2,415.47	299.41	9.068		
12,600.00	7,093.57	12,087.91	7,070.44	152.92	152.41	89.51	36.25	-3,951.54	2,714.06	2,409.12	304.94	8.900		
12,700.00	7,094.09	12,187.91	7,070.67	155.67	155.20	89.50	35.73	-4,051.53	2,713.25	2,402.76	310.49	8.739		
12,800.00	7,094.61	12,287.90	7,070.90	158.43	157.98	89.50	35.20	-4,151.53	2,712.44	2,396.40	316.04	8.583		
12,900.00	7,095.13	12,387.90	7,071.13	161.19	160.77	89.49	34.68	-4,251.52	2,711.62	2,390.03	321.59	8.432		
13,000.00	7,095.66	12,487.89	7,071.36	163.96	163.56	89.48	34.15	-4,351.52	2,710.81	2,383.66	327.15	8.286		
13,100.00	7,096.18	12,587.89	7,071.59	166.73	166.35	89.48	33.63	-4,451.51	2,709.99	2,377.28	332.72	8.145		
13,200.00	7,096.70	12,687.89	7,071.82	169.50	169.14	89.47	33.11	-4,551.51	2,709.18	2,370.89	338.29	8.009		
13,256.62	7,097.00	12,744.50	7,071.95	171.07	170.72	89.47	32.81	-4,608.12	2,708.72	2,367.28	341.44	7.933 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	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	0.47	135.16	1.11	135.17								
100.00	100.00	100.00	100.00	3.28	3.28	0.47	135.16	1.11	135.17	128.60	6.57	20.575					
200.00	200.00	200.00	200.00	3.34	3.34	0.47	135.16	1.11	135.17	128.49	6.67	20.253					
300.00	300.00	302.34	302.32	3.44	3.44	1.15	134.29	2.70	134.29	127.40	6.89	19.486					
400.00	399.98	404.50	404.33	3.60	3.60	-150.65	131.51	7.43	133.31	126.11	7.21	18.502					
413.74	413.71	418.52	418.31	3.62	3.63	-150.36	131.00	8.33	133.30	126.04	7.26	18.371	CC, ES				
500.00	499.84	506.44	505.86	3.79	3.81	-148.30	126.97	15.29	133.91	126.30	7.61	17.604					
600.00	599.45	608.10	606.72	4.02	4.06	-145.40	120.65	26.24	136.26	128.16	8.09	16.838					
700.00	698.70	709.41	706.73	4.29	4.36	-142.08	112.58	40.23	140.53	131.88	8.65	16.240					
800.00	797.47	810.32	805.72	4.59	4.69	-138.50	102.78	57.20	146.90	137.62	9.28	15.823					
900.00	895.62	910.26	903.09	4.93	5.06	-134.99	91.53	76.68	155.57	145.59	9.98	15.587					
1,000.00	993.06	1,009.40	999.56	5.31	5.45	-132.52	80.12	96.44	166.97	156.24	10.73	15.555					
1,100.00	1,089.64	1,108.36	1,095.87	5.72	5.87	-131.15	68.73	116.18	180.88	169.34	11.54	15.677					
1,200.00	1,185.27	1,207.03	1,191.89	6.16	6.30	-130.69	57.37	135.85	197.09	184.70	12.38	15.915					
1,300.00	1,279.82	1,305.29	1,287.50	6.64	6.74	-130.94	46.06	155.44	215.55	202.28	13.26	16.249					
1,400.00	1,373.17	1,403.01	1,382.61	7.16	7.19	-131.72	34.81	174.92	236.30	222.12	14.18	16.668					
1,500.00	1,465.21	1,500.09	1,477.07	7.71	7.65	-132.87	23.64	194.28	259.44	244.33	15.11	17.167					
1,600.00	1,555.84	1,603.61	1,570.79	8.31	8.15	-134.26	12.55	213.48	285.09	268.98	16.10	17.703					
1,613.50	1,567.96	1,609.33	1,583.38	8.39	8.18	-134.46	11.06	216.06	288.75	272.55	16.20	17.821					
1,700.00	1,645.53	1,707.84	1,663.99	8.93	8.65	-135.97	1.53	232.57	312.47	295.35	17.12	18.256					
1,800.00	1,735.20	1,787.92	1,757.18	9.58	9.05	-137.45	-9.49	251.66	340.10	322.08	18.02	18.873					
1,900.00	1,824.87	1,883.69	1,850.37	10.25	9.52	-138.71	-20.52	270.76	367.91	348.90	19.01	19.352					
2,000.00	1,914.54	1,979.45	1,943.56	10.92	10.00	-139.80	-31.54	289.85	395.86	375.85	20.01	19.781					
2,100.00	2,004.21	2,075.21	2,036.74	11.61	10.48	-140.74	-42.56	308.94	423.93	402.91	21.02	20.167					
2,200.00	2,093.89	2,170.97	2,129.93	12.30	10.97	-141.56	-53.59	328.03	452.09	430.05	22.04	20.515					
2,300.00	2,183.56	2,266.73	2,223.12	13.01	11.45	-142.29	-64.61	347.13	480.33	457.27	23.06	20.830					
2,400.00	2,273.23	2,362.49	2,316.31	13.71	11.94	-142.94	-75.63	366.22	508.63	484.54	24.09	21.116					
2,500.00	2,362.90	2,458.25	2,409.50	14.43	12.43	-143.52	-86.66	385.31	536.99	511.87	25.12	21.377					
2,600.00	2,452.57	2,554.01	2,502.69	15.14	12.92	-144.04	-97.68	404.40	565.39	539.23	26.16	21.616					
2,700.00	2,542.25	2,649.77	2,595.88	15.87	13.42	-144.52	-108.70	423.50	593.83	566.63	27.20	21.835					
2,800.00	2,631.92	2,745.53	2,689.07	16.59	13.91	-144.95	-119.72	442.59	622.30	594.06	28.24	22.037					
2,900.00	2,721.59	2,841.30	2,782.25	17.32	14.41	-145.34	-130.75	461.68	650.80	621.52	29.29	22.223					
3,000.00	2,811.26	2,937.06	2,875.44	18.05	14.91	-145.70	-141.77	480.77	679.33	649.00	30.33	22.395					
3,100.00	2,900.93	3,032.82	2,968.63	18.78	15.41	-146.03	-152.79	499.87	707.88	676.50	31.39	22.555					
3,200.00	2,990.60	3,128.58	3,061.82	19.51	15.90	-146.33	-163.82	518.96	736.45	704.01	32.44	22.703					
3,300.00	3,080.28	3,224.34	3,155.01	20.25	16.41	-146.61	-174.84	538.05	765.04	731.55	33.49	22.841					
3,400.00	3,169.95	3,320.10	3,248.20	20.99	16.91	-146.87	-185.86	557.14	793.65	759.10	34.55	22.970					
3,500.00	3,259.62	3,415.86	3,341.39	21.73	17.41	-147.12	-196.89	576.24	822.26	786.66	35.61	23.091					
3,600.00	3,349.29	3,511.62	3,434.58	22.47	17.91	-147.34	-207.91	595.33	850.90	814.23	36.67	23.204					
3,700.00	3,438.96	3,607.38	3,527.76	23.21	18.41	-147.55	-218.93	614.42	879.54	841.81	37.73	23.311					
3,800.00	3,528.64	3,703.15	3,620.95	23.95	18.92	-147.75	-229.96	633.51	908.19	869.40	38.79	23.411					
3,900.00	3,618.31	3,801.09	3,714.14	24.69	19.43	-147.94	-240.98	652.61	936.85	896.99	39.87	23.498					
4,000.00	3,707.98	3,905.33	3,807.33	25.44	19.98	-148.11	-252.00	671.70	965.53	924.55	40.98	23.562					
4,100.00	3,797.65	3,990.43	3,900.52	26.18	20.43	-148.28	-263.02	690.79	994.20	952.22	41.99	23.678					
4,200.00	3,887.32	4,086.19	3,993.71	26.93	20.93	-148.44	-274.05	709.88	1,022.89	979.83	43.06	23.757					
4,300.00	3,976.99	4,181.95	4,086.90	27.68	21.44	-148.58	-285.07	728.98	1,051.58	1,007.46	44.12	23.833					
4,400.00	4,066.67	4,277.71	4,180.09	28.42	21.94	-148.72	-296.09	748.07	1,080.28	1,035.09	45.19	23.904					
4,500.00	4,156.34	4,373.47	4,273.27	29.17	22.45	-148.86	-307.12	767.16	1,108.99	1,062.72	46.26	23.972					
4,600.00	4,246.01	4,469.23	4,366.46	29.92	22.96	-148.98	-318.14	786.25	1,137.70	1,090.36	47.33	24.037					
4,700.00	4,335.68	4,564.99	4,459.65	30.67	23.46	-149.10	-329.16	805.35	1,166.41	1,118.01	48.40	24.098					
4,800.00	4,425.35	4,660.76	4,552.84	31.42	23.97	-149.22	-340.19	824.44	1,195.13	1,145.66	49.47	24.157					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,515.03	4,756.52	4,646.03	32.17	24.48	-149.32	-351.21	843.53	1,223.85	1,173.31	50.55	24.213		
5,000.00	4,604.70	4,852.28	4,739.22	32.92	24.98	-149.43	-362.23	862.62	1,252.58	1,200.96	51.62	24.266		
5,100.00	4,694.37	4,948.04	4,832.41	33.67	25.49	-149.53	-373.25	881.72	1,281.31	1,228.62	52.69	24.317		
5,200.00	4,784.04	5,043.80	4,925.60	34.42	26.00	-149.62	-384.28	900.81	1,310.04	1,256.28	53.76	24.366		
5,300.00	4,873.71	5,139.56	5,018.78	35.17	26.51	-149.71	-395.30	919.90	1,338.78	1,283.94	54.84	24.413		
5,400.00	4,963.38	5,235.32	5,111.97	35.92	27.01	-149.80	-406.32	938.99	1,367.52	1,311.61	55.91	24.458		
5,500.00	5,053.06	5,331.08	5,205.16	36.67	27.52	-149.88	-417.35	958.08	1,396.26	1,339.27	56.99	24.501		
5,600.00	5,142.73	5,426.84	5,298.35	37.43	28.03	-149.96	-428.37	977.18	1,425.01	1,366.94	58.06	24.543		
5,700.00	5,232.40	5,522.61	5,391.54	38.18	28.54	-150.04	-439.39	996.27	1,453.75	1,394.62	59.14	24.582		
5,800.00	5,322.07	5,618.37	5,484.73	38.93	29.05	-150.11	-450.42	1,015.36	1,482.50	1,422.29	60.21	24.621		
5,900.00	5,411.74	5,714.13	5,577.92	39.68	29.56	-150.18	-461.44	1,034.45	1,511.26	1,449.97	61.29	24.657		
6,000.00	5,501.42	5,809.89	5,671.11	40.44	30.06	-150.25	-472.46	1,053.55	1,540.01	1,477.64	62.37	24.693		
6,100.00	5,591.09	5,905.65	5,764.29	41.19	30.57	-150.32	-483.48	1,072.64	1,568.77	1,505.32	63.44	24.727		
6,200.00	5,680.76	6,001.41	5,857.48	41.94	31.08	-150.38	-494.51	1,091.73	1,597.52	1,533.00	64.52	24.760		
6,300.00	5,770.43	6,102.83	5,950.67	42.70	31.62	-150.44	-505.53	1,110.82	1,626.28	1,560.66	65.63	24.781		
6,400.00	5,860.10	6,207.07	6,043.86	43.45	32.18	-150.50	-516.55	1,129.92	1,655.04	1,588.30	66.75	24.795		
6,500.00	5,949.77	6,288.69	6,137.05	44.20	32.61	-150.56	-527.58	1,149.01	1,683.81	1,616.05	67.75	24.852		
6,600.00	6,039.45	6,384.45	6,230.24	44.96	33.12	-150.61	-538.60	1,168.10	1,712.57	1,643.74	68.83	24.880		
6,700.00	6,129.12	6,480.22	6,323.43	45.71	33.63	-150.67	-549.62	1,187.19	1,741.34	1,671.43	69.91	24.908		
6,800.00	6,218.79	6,573.59	6,414.68	46.46	34.11	-150.79	-560.32	1,203.66	1,770.14	1,699.21	70.93	24.956		
6,900.00	6,308.46	6,662.71	6,503.08	47.22	34.47	-151.29	-570.18	1,207.93	1,799.23	1,727.47	71.76	25.074		
6,969.86	6,371.11	6,721.70	6,561.58	47.75	34.67	-151.83	-576.40	1,203.91	1,819.88	1,747.66	72.22	25.198		
7,000.00	6,398.25	6,746.28	6,585.81	47.97	34.75	-158.16	-578.91	1,200.63	1,828.96	1,756.56	72.40	25.261		
7,050.00	6,443.70	6,786.51	6,625.14	48.31	34.87	-169.50	-582.89	1,193.24	1,844.35	1,771.66	72.69	25.374		
7,100.00	6,489.42	6,826.13	6,663.37	48.61	35.00	178.55	-586.65	1,183.54	1,860.02	1,787.07	72.95	25.496		
7,150.00	6,535.12	6,865.23	6,700.44	48.87	35.13	166.64	-590.19	1,171.65	1,875.88	1,802.67	73.21	25.624		
7,200.00	6,580.53	6,903.89	6,736.33	49.09	35.26	155.43	-593.51	1,157.67	1,891.79	1,818.33	73.46	25.753		
7,250.00	6,625.36	6,942.20	6,771.00	49.27	35.39	145.36	-596.61	1,141.68	1,907.65	1,833.94	73.71	25.879		
7,300.00	6,669.35	6,980.22	6,804.41	49.42	35.54	136.59	-599.48	1,123.78	1,923.35	1,849.37	73.98	25.999		
7,350.00	6,712.21	7,018.01	6,836.52	49.55	35.69	129.07	-602.14	1,104.03	1,938.78	1,864.52	74.26	26.108		
7,400.00	6,753.69	7,055.64	6,867.27	49.65	35.85	122.68	-604.57	1,082.51	1,953.83	1,879.27	74.56	26.204		
7,450.00	6,793.52	7,093.14	6,896.63	49.73	36.03	117.23	-606.77	1,059.29	1,968.40	1,893.51	74.89	26.282		
7,500.00	6,831.47	7,130.57	6,924.54	49.81	36.22	112.59	-608.75	1,034.42	1,982.41	1,907.14	75.27	26.339		
7,550.00	6,867.30	7,167.98	6,950.92	49.88	36.42	108.63	-610.48	1,007.98	1,995.75	1,920.07	75.68	26.371		
7,600.00	6,900.78	7,205.39	6,975.74	49.95	36.64	105.23	-611.98	980.02	2,008.35	1,932.21	76.14	26.376		
7,650.00	6,931.72	7,242.84	6,998.90	50.03	36.88	102.33	-613.24	950.63	2,020.13	1,943.47	76.67	26.350		
7,700.00	6,959.92	7,280.37	7,020.35	50.11	37.15	99.85	-614.25	919.86	2,031.03	1,953.77	77.26	26.290		
7,750.00	6,985.20	7,318.00	7,040.02	50.20	37.43	97.76	-615.01	887.80	2,040.96	1,963.05	77.91	26.195		
7,800.00	7,007.41	7,355.75	7,057.83	50.30	37.73	96.00	-615.52	854.52	2,049.89	1,971.24	78.65	26.065		
7,850.00	7,026.42	7,393.65	7,073.71	50.42	38.06	94.56	-615.76	820.12	2,057.75	1,978.29	79.46	25.897		
7,900.00	7,042.11	7,431.71	7,087.58	50.57	38.42	93.41	-615.74	784.68	2,064.50	1,984.14	80.35	25.693		
7,950.00	7,054.37	7,469.95	7,099.38	50.73	38.80	92.53	-615.45	748.31	2,070.10	1,988.78	81.32	25.455		
8,000.00	7,063.14	7,508.38	7,109.03	50.92	39.20	91.91	-614.89	711.12	2,074.53	1,992.17	82.36	25.187		
8,050.00	7,068.36	7,547.01	7,116.46	51.13	39.63	91.54	-614.06	673.22	2,077.76	1,994.29	83.47	24.891		
8,094.17	7,070.00	7,581.33	7,121.13	51.34	40.02	91.42	-613.09	639.25	2,079.61	1,995.10	84.51	24.609		
8,100.00	7,070.03	7,585.87	7,121.62	51.37	40.08	91.43	-612.95	634.74	2,079.79	1,995.14	84.65	24.571		
8,200.00	7,070.55	7,668.19	7,125.04	51.94	41.08	91.51	-609.76	552.59	2,083.45	1,996.33	87.12	23.914		
8,300.00	7,071.07	7,768.11	7,125.28	52.64	42.43	91.50	-605.45	452.76	2,087.46	1,997.52	89.95	23.208		
8,400.00	7,071.60	7,868.03	7,125.52	53.49	43.93	91.49	-601.14	352.94	2,091.47	1,998.45	93.03	22.483		
8,500.00	7,072.12	7,967.95	7,125.76	54.50	45.56	91.48	-596.83	253.11	2,095.48	1,999.14	96.35	21.749		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,600.00	7,072.64	8,067.87	7,126.00	55.69	47.32	91.47	-592.53	153.29	2,099.50	1,999.60	99.89	21.018		
8,700.00	7,073.17	8,167.79	7,126.24	57.04	49.18	91.46	-588.22	53.46	2,103.51	1,999.88	103.63	20.299		
8,800.00	7,073.69	8,267.71	7,126.48	58.55	51.14	91.45	-583.91	-46.36	2,107.52	1,999.98	107.54	19.597		
8,900.00	7,074.21	8,367.63	7,126.72	60.21	53.19	91.44	-579.60	-146.19	2,111.53	1,999.92	111.61	18.919		
9,000.00	7,074.74	8,467.55	7,126.96	61.99	55.31	91.43	-575.29	-246.02	2,115.54	1,999.72	115.82	18.266		
9,100.00	7,075.26	8,567.46	7,127.20	63.88	57.50	91.42	-570.99	-345.84	2,119.55	1,999.39	120.15	17.640		
9,200.00	7,075.78	8,667.38	7,127.44	65.87	59.74	91.41	-566.68	-445.67	2,123.56	1,998.96	124.60	17.043		
9,300.00	7,076.30	8,767.30	7,127.68	67.95	62.00	91.39	-562.58	-545.50	2,127.57	1,998.52	129.06	16.436		
9,400.00	7,076.83	8,867.22	7,127.92	70.09	64.26	91.38	-558.56	-645.33	2,131.58	1,998.08	133.52	15.829		
9,500.00	7,077.35	8,967.14	7,128.16	72.30	66.51	91.38	-554.61	-745.16	2,135.59	1,997.64	137.98	15.222		
9,600.00	7,077.87	9,067.06	7,128.40	74.57	68.77	91.37	-550.72	-845.00	2,139.60	1,997.20	142.44	14.615		
9,700.00	7,078.40	9,166.98	7,128.64	76.88	71.03	91.36	-546.88	-944.83	2,143.61	1,996.76	146.90	14.008		
9,800.00	7,078.92	9,266.90	7,128.88	79.24	73.29	91.36	-543.09	-1,044.66	2,147.62	1,996.32	151.36	13.401		
9,900.00	7,079.44	9,366.82	7,129.12	81.63	75.55	91.35	-539.35	-1,144.50	2,151.63	1,995.88	155.82	12.794		
10,000.00	7,079.97	9,466.74	7,129.36	84.06	77.81	91.34	-535.66	-1,244.33	2,155.64	1,995.44	160.28	12.187		
10,100.00	7,080.49	9,566.66	7,129.60	86.52	80.07	91.33	-532.01	-1,344.17	2,159.65	1,995.00	164.74	11.580		
10,200.00	7,081.01	9,666.58	7,130.10	89.01	82.33	91.33	-528.40	-1,444.00	2,163.66	1,994.56	169.20	10.973		
10,300.00	7,081.54	9,766.50	7,130.34	91.52	84.59	91.32	-524.83	-1,543.83	2,167.67	1,994.12	173.66	10.366		
10,400.00	7,082.06	9,866.42	7,130.58	94.05	86.85	91.31	-521.30	-1,643.67	2,171.68	1,993.68	178.12	9.759		
10,500.00	7,082.58	9,966.34	7,130.82	96.61	89.11	91.31	-517.81	-1,743.50	2,175.69	1,993.24	182.58	9.152		
10,600.00	7,083.10	10,066.26	7,131.06	99.18	91.37	91.30	-514.36	-1,843.34	2,179.70	1,992.80	187.04	8.545		
10,700.00	7,083.63	10,166.18	7,131.30	101.77	93.63	91.29	-510.94	-1,943.18	2,183.71	1,992.36	191.50	7.938		
10,800.00	7,084.15	10,266.10	7,131.54	104.38	95.89	91.29	-507.55	-2,043.02	2,187.72	1,991.92	195.96	7.331		
10,900.00	7,084.67	10,366.02	7,131.78	107.00	98.15	91.28	-504.19	-2,142.86	2,191.73	1,991.48	200.42	6.724		
11,000.00	7,085.20	10,465.94	7,132.02	109.63	100.41	91.27	-500.86	-2,242.70	2,195.74	1,991.04	204.88	6.117		
11,100.00	7,085.72	10,565.86	7,132.26	112.27	102.67	91.27	-497.56	-2,342.54	2,199.75	1,990.60	209.34	5.510		
11,200.00	7,086.24	10,665.78	7,132.50	114.93	104.93	91.26	-494.29	-2,442.38	2,203.76	1,990.16	213.80	4.903		
11,300.00	7,086.77	10,765.70	7,132.74	117.59	107.19	91.25	-491.05	-2,542.22	2,207.77	1,989.72	218.26	4.296		
11,400.00	7,087.29	10,865.62	7,132.98	120.27	109.45	91.24	-487.84	-2,642.06	2,211.78	1,989.28	222.72	3.689		
11,500.00	7,087.81	10,965.54	7,133.22	122.95	111.71	91.24	-484.65	-2,741.90	2,215.79	1,988.84	227.18	3.082		
11,600.00	7,088.33	11,065.46	7,133.46	125.64	113.97	91.23	-481.49	-2,841.74	2,219.80	1,988.40	231.64	2.475		
11,700.00	7,088.86	11,165.38	7,133.70	128.34	116.23	91.22	-478.35	-2,941.58	2,223.81	1,987.96	236.10	1.868		
11,800.00	7,089.38	11,265.30	7,133.94	131.05	118.49	91.22	-475.23	-3,041.42	2,227.82	1,987.52	240.56	1.261		
11,900.00	7,089.90	11,365.22	7,134.18	133.76	120.75	91.21	-472.13	-3,141.26	2,231.83	1,987.08	245.02	0.654		
12,000.00	7,090.43	11,465.14	7,134.42	136.49	123.01	91.20	-469.05	-3,241.10	2,235.84	1,986.64	249.48	0.047		
12,100.00	7,090.95	11,565.06	7,134.66	139.21	125.27	91.20	-466.00	-3,340.94	2,239.85	1,986.20	253.94	-0.560		
12,200.00	7,091.47	11,664.98	7,134.90	141.94	127.53	91.19	-463.06	-3,440.78	2,243.86	1,985.76	258.40	-1.153		
12,300.00	7,092.00	11,764.90	7,135.14	144.68	129.79	91.18	-460.14	-3,540.62	2,247.87	1,985.32	262.86	-1.746		
12,400.00	7,092.52	11,864.82	7,135.38	147.42	132.05	91.17	-457.24	-3,640.46	2,251.88	1,984.88	267.32	-2.339		
12,500.00	7,093.04	11,964.74	7,135.62	150.17	134.31	91.17	-454.36	-3,740.30	2,255.89	1,984.44	271.78	-2.932		
12,600.00	7,093.57	12,064.66	7,135.86	152.92	136.57	91.16	-451.50	-3,840.14	2,259.90	1,984.00	276.24	-3.525		
12,700.00	7,094.09	12,164.58	7,136.10	155.67	138.83	91.15	-448.66	-3,940.00	2,263.91	1,983.56	280.70	-4.118		
12,800.00	7,094.61	12,264.50	7,136.34	158.43	141.09	91.15	-445.83	-4,039.84	2,267.92	1,983.12	285.16	-4.711		
12,900.00	7,095.13	12,364.42	7,136.58	161.19	143.35	91.14	-443.02	-4,139.68	2,271.93	1,982.68	289.62	-5.304		
13,000.00	7,095.66	12,464.34	7,136.82	163.96	145.61	91.13	-440.22	-4,239.52	2,275.94	1,982.24	294.08	-5.897		
13,100.00	7,096.18	12,564.26	7,137.06	166.73	147.87	91.12	-437.44	-4,339.36	2,279.95	1,981.80	298.54	-6.490		
13,200.00	7,096.70	12,664.18	7,137.30	169.50	150.13	91.12	-434.68	-4,439.20	2,283.96	1,981.36	303.00	-7.083		
13,256.62	7,097.00	12,836.11	7,137.42	171.07	170.28	91.11	-602.43	-4,614.13	2,073.82	1,732.63	341.19	6.078 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.35	89.98	0.56	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	0.35	89.98	0.56	89.99	83.42	6.57	13.698		
200.00	200.00	200.00	200.00	3.34	3.34	0.35	89.98	0.56	89.99	83.31	6.67	13.483		
300.00	300.00	300.00	300.00	3.44	3.44	0.35	89.98	0.56	89.99	83.10	6.89	13.061 CC		
400.00	399.98	402.31	402.29	3.60	3.60	-152.84	88.66	1.82	90.26	83.06	7.20	12.533 ES		
500.00	499.84	504.60	504.43	3.79	3.80	-151.97	84.69	5.59	91.09	83.49	7.60	11.985		
600.00	599.45	606.85	606.26	4.02	4.04	-150.55	78.09	11.88	92.52	84.43	8.08	11.443		
700.00	698.70	709.04	707.65	4.29	4.32	-148.63	68.87	20.66	94.60	85.96	8.64	10.947		
800.00	797.47	811.16	808.45	4.59	4.64	-146.30	57.05	31.92	97.42	88.16	9.26	10.518		
900.00	895.62	913.17	908.50	4.93	4.99	-143.63	42.64	45.64	101.06	91.12	9.94	10.164		
1,000.00	993.06	1,015.07	1,007.67	5.31	5.38	-140.73	25.69	61.78	105.60	94.92	10.68	9.887		
1,100.00	1,089.64	1,116.84	1,105.82	5.72	5.81	-137.69	6.22	80.32	111.11	99.63	11.48	9.680		
1,200.00	1,185.27	1,216.76	1,201.57	6.16	6.26	-135.20	-14.46	100.02	118.28	105.95	12.33	9.596		
1,300.00	1,279.82	1,316.26	1,296.91	6.64	6.72	-134.07	-35.08	119.65	128.01	114.79	13.22	9.682		
1,400.00	1,373.17	1,415.51	1,392.01	7.16	7.21	-134.10	-55.65	139.24	140.17	126.02	14.15	9.903		
1,500.00	1,465.21	1,514.39	1,486.75	7.71	7.70	-134.99	-76.15	158.76	154.77	139.66	15.12	10.238		
1,600.00	1,555.84	1,612.79	1,581.03	8.31	8.21	-136.48	-96.54	178.18	171.91	155.81	16.10	10.678		
1,613.50	1,567.96	1,626.03	1,593.72	8.39	8.28	-136.71	-99.28	180.79	174.42	158.19	16.23	10.744		
1,700.00	1,645.53	1,710.82	1,674.97	8.93	8.72	-138.30	-116.86	197.53	190.77	173.68	17.09	11.160		
1,800.00	1,735.20	1,808.85	1,768.90	9.58	9.24	-139.83	-137.17	216.87	209.82	191.72	18.10	11.591		
1,900.00	1,824.87	1,906.88	1,862.82	10.25	9.76	-141.11	-157.49	236.22	228.98	209.86	19.12	11.974		
2,000.00	1,914.54	2,004.91	1,956.75	10.92	10.29	-142.19	-177.81	255.57	248.24	228.09	20.15	12.317		
2,100.00	2,004.21	2,102.94	2,050.68	11.61	10.83	-143.11	-198.12	274.92	267.58	246.38	21.19	12.625		
2,200.00	2,093.89	2,200.97	2,144.61	12.30	11.37	-143.91	-218.44	294.26	286.97	264.72	22.24	12.901		
2,300.00	2,183.56	2,301.00	2,238.54	13.01	11.92	-144.61	-238.76	313.61	306.40	283.10	23.31	13.145		
2,400.00	2,273.23	2,402.98	2,332.47	13.71	12.49	-145.22	-259.07	332.96	325.88	301.49	24.39	13.360		
2,500.00	2,362.90	2,504.95	2,426.39	14.43	13.06	-145.77	-279.39	352.30	345.39	319.91	25.48	13.556		
2,600.00	2,452.57	2,606.92	2,520.32	15.14	13.63	-146.26	-299.70	371.65	364.92	338.35	26.57	13.733		
2,700.00	2,542.25	2,708.89	2,614.25	15.87	14.20	-146.69	-320.02	391.00	384.48	356.81	27.67	13.896		
2,800.00	2,631.92	2,789.14	2,708.18	16.59	14.66	-147.09	-340.34	410.35	404.06	375.40	28.66	14.100		
2,900.00	2,721.59	2,887.17	2,802.11	17.32	15.21	-147.45	-360.65	429.69	423.65	393.91	29.74	14.246		
3,000.00	2,811.26	2,985.20	2,896.04	18.05	15.77	-147.77	-380.97	449.04	443.26	412.44	30.83	14.380		
3,100.00	2,900.93	3,083.23	2,989.96	18.78	16.33	-148.07	-401.29	468.39	462.88	430.97	31.91	14.504		
3,200.00	2,990.60	3,181.25	3,083.89	19.51	16.89	-148.35	-421.60	487.73	482.52	449.51	33.01	14.619		
3,300.00	3,080.28	3,279.28	3,177.82	20.25	17.45	-148.60	-441.92	507.08	502.16	468.06	34.10	14.726		
3,400.00	3,169.95	3,377.31	3,271.75	20.99	18.01	-148.84	-462.24	526.43	521.81	486.61	35.20	14.826		
3,500.00	3,259.62	3,475.34	3,365.68	21.73	18.57	-149.05	-482.55	545.78	541.47	505.18	36.29	14.919		
3,600.00	3,349.29	3,573.37	3,459.61	22.47	19.13	-149.26	-502.87	565.12	561.13	523.74	37.39	15.007		
3,700.00	3,438.96	3,671.40	3,553.53	23.21	19.69	-149.44	-523.19	584.47	580.81	542.31	38.49	15.089		
3,800.00	3,528.64	3,769.43	3,647.46	23.95	20.26	-149.62	-543.50	603.82	600.48	560.89	39.60	15.166		
3,900.00	3,618.31	3,867.45	3,741.39	24.69	20.82	-149.79	-563.82	623.16	620.17	579.47	40.70	15.238		
4,000.00	3,707.98	3,965.48	3,835.32	25.44	21.39	-149.94	-584.14	642.51	639.86	598.05	41.80	15.306		
4,100.00	3,797.65	4,063.51	3,929.25	26.18	21.95	-150.09	-604.45	661.86	659.55	616.64	42.91	15.371		
4,200.00	3,887.32	4,161.54	4,023.18	26.93	22.52	-150.22	-624.77	681.21	679.24	635.23	44.02	15.432		
4,300.00	3,976.99	4,259.57	4,117.10	27.68	23.08	-150.35	-645.09	700.55	698.94	653.82	45.12	15.489		
4,400.00	4,066.67	4,357.60	4,211.03	28.42	23.65	-150.48	-665.40	719.90	718.64	672.41	46.23	15.544		
4,500.00	4,156.34	4,455.63	4,304.96	29.17	24.22	-150.59	-685.72	739.25	738.35	691.01	47.34	15.596		
4,600.00	4,246.01	4,553.65	4,398.89	29.92	24.78	-150.70	-706.04	758.59	758.06	709.61	48.45	15.645		
4,700.00	4,335.68	4,651.68	4,492.82	30.67	25.35	-150.81	-726.35	777.94	777.77	728.21	49.56	15.692		
4,800.00	4,425.35	4,749.71	4,586.75	31.42	25.92	-150.90	-746.67	797.29	797.48	746.81	50.68	15.737		
4,900.00	4,515.03	4,847.74	4,680.67	32.17	26.49	-151.00	-766.98	816.64	817.20	765.41	51.79	15.780		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
5,000.00	4,604.70	4,945.77	4,774.60	32.92	27.06	-151.09	-787.30	835.98	836.91	784.01	52.90	15.820		
5,100.00	4,694.37	5,043.80	4,868.53	33.67	27.62	-151.17	-807.62	855.33	856.63	802.62	54.01	15.859		
5,200.00	4,784.04	5,141.83	4,962.46	34.42	28.19	-151.26	-827.93	874.68	876.35	821.23	55.13	15.897		
5,300.00	4,873.71	5,239.85	5,056.39	35.17	28.76	-151.33	-848.25	894.02	896.08	839.83	56.24	15.932		
5,400.00	4,963.38	5,337.88	5,150.32	35.92	29.33	-151.41	-868.57	913.37	915.80	858.44	57.36	15.966		
5,500.00	5,053.06	5,435.91	5,244.25	36.67	29.90	-151.48	-888.88	932.72	935.53	877.05	58.47	15.999		
5,600.00	5,142.73	5,533.94	5,338.17	37.43	30.47	-151.55	-909.20	952.07	955.25	895.66	59.59	16.031		
5,700.00	5,232.40	5,631.97	5,432.10	38.18	31.04	-151.62	-929.52	971.41	974.98	914.28	60.71	16.061		
5,800.00	5,322.07	5,730.00	5,526.03	38.93	31.61	-151.68	-949.83	990.76	994.71	932.89	61.82	16.090		
5,900.00	5,411.74	5,828.03	5,619.96	39.68	32.18	-151.74	-970.15	1,010.11	1,014.44	951.50	62.94	16.118		
6,000.00	5,501.42	5,926.06	5,713.89	40.44	32.75	-151.80	-990.47	1,029.45	1,034.17	970.12	64.06	16.145		
6,100.00	5,591.09	6,024.08	5,807.82	41.19	33.32	-151.85	-1,010.78	1,048.80	1,053.91	988.73	65.17	16.170		
6,200.00	5,680.76	6,122.11	5,901.74	41.94	33.89	-151.91	-1,031.10	1,068.15	1,073.64	1,007.35	66.29	16.195		
6,300.00	5,770.43	6,220.14	5,995.67	42.70	34.46	-151.96	-1,051.42	1,087.50	1,093.37	1,025.96	67.41	16.219		
6,400.00	5,860.10	6,318.17	6,089.60	43.45	35.03	-152.01	-1,071.73	1,106.84	1,113.11	1,044.58	68.53	16.243		
6,500.00	5,949.77	6,416.20	6,183.53	44.20	35.61	-152.06	-1,092.05	1,126.19	1,132.85	1,063.20	69.65	16.265		
6,600.00	6,039.45	6,514.23	6,277.46	44.96	36.18	-152.11	-1,112.37	1,145.54	1,152.58	1,081.81	70.77	16.287		
6,700.00	6,129.12	6,612.26	6,371.39	45.71	36.75	-152.15	-1,132.68	1,164.89	1,172.32	1,100.43	71.89	16.308		
6,800.00	6,218.79	6,710.28	6,465.31	46.46	37.32	-152.20	-1,153.00	1,184.23	1,192.06	1,119.05	73.01	16.328		
6,900.00	6,308.46	6,810.92	6,562.47	47.22	37.87	-152.24	-1,174.00	1,199.44	1,211.71	1,137.64	74.07	16.359		
6,969.86	6,371.11	6,879.81	6,629.76	47.75	38.17	-153.07	-1,188.52	1,201.02	1,225.37	1,150.72	74.65	16.415		
7,000.00	6,398.25	6,908.74	6,658.00	47.97	38.28	-159.15	-1,194.61	1,199.46	1,231.33	1,156.46	74.86	16.448		
7,050.00	6,443.70	6,956.09	6,703.98	48.31	38.44	-170.07	-1,204.52	1,194.09	1,241.37	1,166.18	75.19	16.509		
7,100.00	6,489.42	7,002.71	6,748.74	48.61	38.58	-178.40	-1,214.15	1,185.39	1,251.56	1,176.06	75.50	16.577		
7,150.00	6,535.12	7,048.66	6,792.13	48.87	38.70	-166.92	-1,223.48	1,173.57	1,261.81	1,186.02	75.79	16.649		
7,200.00	6,580.53	7,094.00	6,834.03	49.09	38.82	-156.15	-1,232.48	1,158.79	1,272.06	1,195.98	76.08	16.721		
7,250.00	6,625.36	7,138.79	6,874.32	49.27	38.94	-146.52	-1,241.13	1,141.24	1,282.23	1,205.86	76.37	16.791		
7,300.00	6,669.35	7,183.11	6,912.89	49.42	39.06	-138.17	-1,249.40	1,121.06	1,292.24	1,215.58	76.66	16.856		
7,350.00	6,712.21	7,226.99	6,949.64	49.55	39.18	-131.07	-1,257.26	1,098.43	1,302.04	1,225.06	76.97	16.915		
7,400.00	6,753.69	7,270.48	6,984.48	49.65	39.31	-125.06	-1,264.71	1,073.49	1,311.54	1,234.23	77.31	16.965		
7,450.00	6,793.52	7,313.64	7,017.32	49.73	39.45	-120.00	-1,271.73	1,046.40	1,320.68	1,243.01	77.67	17.004		
7,500.00	6,831.47	7,356.50	7,048.09	49.81	39.60	-115.71	-1,278.29	1,017.31	1,329.40	1,251.34	78.06	17.030		
7,550.00	6,867.30	7,399.11	7,076.71	49.88	39.76	-112.08	-1,284.38	986.36	1,337.63	1,259.13	78.50	17.041		
7,600.00	6,900.78	7,441.48	7,103.12	49.95	39.94	-108.99	-1,289.99	953.69	1,345.32	1,266.34	78.98	17.033		
7,650.00	6,931.72	7,483.67	7,127.23	50.03	40.14	-106.36	-1,295.11	919.47	1,352.42	1,272.90	79.53	17.005		
7,700.00	6,959.92	7,525.69	7,149.00	50.11	40.36	-104.14	-1,299.71	883.83	1,358.89	1,278.75	80.14	16.957		
7,750.00	6,985.20	7,567.58	7,168.36	50.20	40.59	-102.27	-1,303.79	846.92	1,364.67	1,283.85	80.82	16.886		
7,800.00	7,007.41	7,609.35	7,185.27	50.30	40.86	-100.71	-1,307.33	808.90	1,369.73	1,288.16	81.57	16.792		
7,850.00	7,026.42	7,651.03	7,199.68	50.42	41.14	-99.44	-1,310.34	769.91	1,374.04	1,291.63	82.41	16.674		
7,900.00	7,042.11	7,692.64	7,211.54	50.57	41.46	-98.43	-1,312.79	730.11	1,377.56	1,294.24	83.32	16.533		
7,950.00	7,054.37	7,734.19	7,220.83	50.73	41.79	-97.67	-1,314.69	689.66	1,380.29	1,295.97	84.32	16.370		
8,000.00	7,063.14	7,775.71	7,227.51	50.92	42.16	-97.14	-1,316.02	648.72	1,382.19	1,296.80	85.39	16.187		
8,050.00	7,068.36	7,817.20	7,231.58	51.13	42.55	-96.84	-1,316.79	607.43	1,383.26	1,296.74	86.52	15.987		
8,094.17	7,070.00	7,853.86	7,232.97	51.34	42.90	-96.76	-1,316.99	570.81	1,383.51	1,295.94	87.57	15.799		
8,100.00	7,070.03	7,858.70	7,233.00	51.37	42.95	-96.76	-1,316.99	565.97	1,383.50	1,295.79	87.71	15.773		
8,200.00	7,070.55	7,958.70	7,233.25	51.94	44.07	-96.75	-1,316.78	465.97	1,383.39	1,293.06	90.33	15.315		
8,300.00	7,071.07	8,058.70	7,233.50	52.64	45.35	-96.74	-1,316.56	365.97	1,383.27	1,290.08	93.20	14.842		
8,400.00	7,071.60	8,158.70	7,233.75	53.49	46.78	-96.73	-1,316.35	265.97	1,383.16	1,286.84	96.32	14.360		
8,500.00	7,072.12	8,258.70	7,233.99	54.50	48.37	-96.72	-1,316.14	165.97	1,383.05	1,283.38	99.67	13.876		
8,600.00	7,072.64	8,358.70	7,234.24	55.69	50.08	-96.71	-1,315.93	65.98	1,382.94	1,279.71	103.22	13.398		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,700.00	7,073.17	8,458.70	7,234.49	57.04	51.91	96.70	-1,315.72	-34.02	1,382.82	1,275.86	106.96	12.928			
8,800.00	7,073.69	8,558.70	7,234.74	58.55	53.83	96.69	-1,315.50	-134.02	1,382.71	1,271.85	110.86	12.472			
8,900.00	7,074.21	8,658.70	7,234.99	60.21	55.85	96.68	-1,315.29	-234.02	1,382.60	1,267.68	114.92	12.031			
9,000.00	7,074.74	8,758.70	7,235.24	61.99	57.94	96.67	-1,315.08	-334.02	1,382.49	1,263.38	119.10	11.608			
9,100.00	7,075.26	8,858.70	7,235.49	63.88	60.10	96.66	-1,314.87	-434.02	1,382.37	1,258.97	123.41	11.202			
9,200.00	7,075.78	8,958.70	7,235.74	65.87	62.32	96.64	-1,314.66	-534.02	1,382.26	1,254.44	127.82	10.814			
9,300.00	7,076.30	9,058.70	7,235.98	67.95	64.60	96.63	-1,314.45	-634.02	1,382.15	1,249.82	132.33	10.444			
9,400.00	7,076.83	9,158.69	7,236.23	70.09	66.92	96.62	-1,314.23	-734.02	1,382.04	1,245.11	136.93	10.093			
9,500.00	7,077.35	9,258.69	7,236.48	72.30	69.28	96.61	-1,314.02	-834.02	1,381.93	1,240.32	141.61	9.759			
9,600.00	7,077.87	9,358.69	7,236.73	74.57	71.69	96.60	-1,313.81	-934.02	1,381.81	1,235.45	146.36	9.441			
9,700.00	7,078.40	9,458.69	7,236.98	76.88	74.12	96.59	-1,313.60	-1,034.01	1,381.70	1,230.53	151.17	9.140			
9,800.00	7,078.92	9,558.69	7,237.23	79.24	76.59	96.58	-1,313.39	-1,134.01	1,381.59	1,225.54	156.05	8.854			
9,900.00	7,079.44	9,658.69	7,237.48	81.63	79.09	96.57	-1,313.18	-1,234.01	1,381.48	1,220.50	160.97	8.582			
10,000.00	7,079.97	9,758.69	7,237.72	84.06	81.61	96.56	-1,312.96	-1,334.01	1,381.37	1,215.42	165.95	8.324			
10,100.00	7,080.49	9,858.69	7,237.97	86.52	84.15	96.55	-1,312.75	-1,434.01	1,381.25	1,210.29	170.97	8.079			
10,200.00	7,081.01	9,958.69	7,238.22	89.01	86.71	96.54	-1,312.54	-1,534.01	1,381.14	1,205.11	176.03	7.846			
10,300.00	7,081.54	10,058.69	7,238.47	91.52	89.29	96.52	-1,312.33	-1,634.01	1,381.03	1,199.90	181.13	7.625			
10,400.00	7,082.06	10,158.69	7,238.72	94.05	91.89	96.51	-1,312.12	-1,734.01	1,380.92	1,194.66	186.26	7.414			
10,500.00	7,082.58	10,258.69	7,238.97	96.61	94.50	96.50	-1,311.91	-1,834.01	1,380.81	1,189.38	191.42	7.213			
10,600.00	7,083.10	10,358.69	7,239.22	99.18	97.13	96.49	-1,311.69	-1,934.01	1,380.70	1,184.08	196.62	7.022			
10,700.00	7,083.63	10,458.69	7,239.47	101.77	99.77	96.48	-1,311.48	-2,034.00	1,380.58	1,178.75	201.84	6.840			
10,800.00	7,084.15	10,558.69	7,239.71	104.38	102.43	96.47	-1,311.27	-2,134.00	1,380.47	1,173.39	207.08	6.666			
10,900.00	7,084.67	10,658.69	7,239.96	107.00	105.09	96.46	-1,311.06	-2,234.00	1,380.36	1,168.01	212.35	6.500			
11,000.00	7,085.20	10,758.69	7,240.21	109.63	107.76	96.45	-1,310.85	-2,334.00	1,380.25	1,162.61	217.64	6.342			
11,100.00	7,085.72	10,858.69	7,240.46	112.27	110.45	96.44	-1,310.63	-2,434.00	1,380.14	1,157.19	222.95	6.190			
11,200.00	7,086.24	10,958.69	7,240.71	114.93	113.14	96.43	-1,310.42	-2,534.00	1,380.03	1,151.75	228.27	6.045			
11,300.00	7,086.77	11,058.69	7,240.96	117.59	115.84	96.42	-1,310.21	-2,634.00	1,379.92	1,146.30	233.62	5.907			
11,400.00	7,087.29	11,158.69	7,241.21	120.27	118.55	96.40	-1,310.00	-2,734.00	1,379.81	1,140.83	238.98	5.774			
11,500.00	7,087.81	11,258.69	7,241.45	122.95	121.27	96.39	-1,309.79	-2,834.00	1,379.69	1,135.34	244.36	5.646			
11,600.00	7,088.33	11,358.69	7,241.70	125.64	123.99	96.38	-1,309.58	-2,934.00	1,379.58	1,129.84	249.75	5.524			
11,700.00	7,088.86	11,458.69	7,241.95	128.34	126.72	96.37	-1,309.36	-3,034.00	1,379.47	1,124.32	255.15	5.407			
11,800.00	7,089.38	11,558.69	7,242.20	131.05	129.45	96.36	-1,309.15	-3,133.99	1,379.36	1,118.80	260.56	5.294			
11,900.00	7,089.90	11,658.68	7,242.45	133.76	132.19	96.35	-1,308.94	-3,233.99	1,379.25	1,113.26	265.99	5.185			
12,000.00	7,090.43	11,758.68	7,242.70	136.49	134.93	96.34	-1,308.73	-3,333.99	1,379.14	1,107.71	271.43	5.081			
12,100.00	7,090.95	11,858.68	7,242.95	139.21	137.68	96.33	-1,308.52	-3,433.99	1,379.03	1,102.15	276.88	4.981			
12,200.00	7,091.47	11,958.68	7,243.20	141.94	140.44	96.32	-1,308.31	-3,533.99	1,378.92	1,096.58	282.34	4.884			
12,300.00	7,092.00	12,058.68	7,243.44	144.68	143.20	96.31	-1,308.09	-3,633.99	1,378.81	1,091.00	287.81	4.791			
12,400.00	7,092.52	12,158.68	7,243.69	147.42	145.96	96.29	-1,307.88	-3,733.99	1,378.70	1,085.42	293.28	4.701			
12,500.00	7,093.04	12,258.68	7,243.94	150.17	148.72	96.28	-1,307.67	-3,833.99	1,378.59	1,079.82	298.77	4.614			
12,600.00	7,093.57	12,358.68	7,244.19	152.92	151.49	96.27	-1,307.46	-3,933.99	1,378.48	1,074.22	304.26	4.531			
12,700.00	7,094.09	12,458.68	7,244.44	155.67	154.27	96.26	-1,307.25	-4,033.99	1,378.37	1,068.61	309.76	4.450			
12,800.00	7,094.61	12,558.68	7,244.69	158.43	157.04	96.25	-1,307.04	-4,133.99	1,378.26	1,062.99	315.27	4.372			
12,900.00	7,095.13	12,658.68	7,244.94	161.19	159.82	96.24	-1,306.82	-4,233.98	1,378.15	1,057.36	320.78	4.296			
13,000.00	7,095.66	12,758.68	7,245.19	163.96	162.60	96.23	-1,306.61	-4,333.98	1,378.03	1,051.73	326.30	4.223			
13,100.00	7,096.18	12,858.68	7,245.43	166.73	165.39	96.22	-1,306.40	-4,433.98	1,377.92	1,046.10	331.83	4.153			
13,200.00	7,096.70	12,958.68	7,245.68	169.50	168.17	96.21	-1,306.19	-4,533.98	1,377.81	1,040.46	337.36	4.084			
13,256.62	7,097.00	13,015.30	7,245.82	171.07	169.75	96.20	-1,306.07	-4,590.60	1,377.75	1,037.26	340.49	4.046 SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.42	75.05	0.56	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	0.42	75.05	0.56	75.05	68.48	6.57	11.425		
200.00	200.00	200.00	200.00	3.34	3.34	0.42	75.05	0.56	75.05	68.38	6.67	11.246		
300.00	300.00	301.90	301.88	3.44	3.44	1.39	73.72	1.79	73.77	66.87	6.89	10.700		
400.00	399.98	403.65	403.48	3.60	3.60	-149.76	69.74	5.47	71.54	64.33	7.21	9.919		
500.00	499.84	505.25	504.67	3.79	3.81	-146.62	63.12	11.58	70.05	62.43	7.62	9.194		
600.00	599.45	606.67	605.31	4.02	4.06	-142.72	53.89	20.12	69.44	61.33	8.11	8.565		
611.35	610.74	618.18	616.69	4.05	4.09	-142.24	52.68	21.24	69.43	61.26	8.17	8.501 CC		
700.00	698.70	707.92	705.26	4.29	4.35	-138.21	42.07	31.04	69.86	61.20	8.67	8.062 ES		
800.00	797.47	808.96	804.38	4.59	4.68	-133.28	27.70	44.32	71.48	62.19	9.29	7.693		
900.00	895.62	909.78	902.54	4.93	5.05	-128.18	10.81	59.94	74.42	64.43	9.99	7.451		
1,000.00	993.06	1,010.38	999.62	5.31	5.46	-123.16	-8.56	77.84	78.74	67.99	10.76	7.321		
1,100.00	1,089.64	1,110.30	1,095.29	5.72	5.90	-118.94	-29.73	97.42	84.65	73.06	11.59	7.301		
1,200.00	1,185.27	1,209.96	1,190.64	6.16	6.37	-117.08	-50.99	117.07	92.44	79.95	12.49	7.401		
1,300.00	1,279.82	1,309.51	1,285.90	6.64	6.86	-117.23	-72.23	136.70	101.85	88.42	13.43	7.583		
1,400.00	1,373.17	1,408.83	1,380.94	7.16	7.36	-118.88	-93.42	156.29	112.90	98.50	14.41	7.838		
1,500.00	1,465.21	1,507.81	1,475.64	7.71	7.87	-121.54	-114.54	175.81	125.85	110.44	15.40	8.169		
1,600.00	1,555.84	1,606.31	1,569.90	8.31	8.39	-124.81	-135.55	195.24	141.00	124.58	16.42	8.588		
1,613.50	1,567.96	1,619.57	1,582.58	8.39	8.46	-125.28	-138.38	197.85	143.23	126.68	16.56	8.651		
1,700.00	1,645.53	1,704.47	1,663.82	8.93	8.91	-128.24	-156.49	214.59	157.90	140.47	17.44	9.055		
1,800.00	1,735.20	1,802.62	1,757.74	9.58	9.44	-131.04	-177.43	233.95	175.28	156.82	18.47	9.493		
1,900.00	1,824.87	1,900.77	1,851.65	10.25	9.97	-133.33	-198.37	253.31	193.00	173.50	19.50	9.897		
2,000.00	1,914.54	2,001.08	1,945.57	10.92	10.53	-135.24	-219.31	272.66	210.96	190.41	20.56	10.263		
2,100.00	2,004.21	2,102.93	2,039.48	11.61	11.09	-136.85	-240.25	292.02	229.12	207.50	21.63	10.595		
2,200.00	2,093.89	2,204.78	2,133.40	12.30	11.66	-138.22	-261.19	311.38	247.43	224.73	22.70	10.899		
2,300.00	2,183.56	2,306.64	2,227.32	13.01	12.23	-139.40	-282.13	330.73	265.85	242.07	23.78	11.178		
2,400.00	2,273.23	2,408.49	2,321.23	13.71	12.80	-140.43	-303.07	350.09	284.37	259.50	24.87	11.434		
2,500.00	2,362.90	2,489.66	2,415.15	14.43	13.26	-141.33	-324.01	369.45	302.97	277.12	25.85	11.719		
2,600.00	2,452.57	2,587.81	2,509.06	15.14	13.82	-142.13	-344.95	388.80	321.63	294.70	26.93	11.943		
2,700.00	2,542.25	2,685.96	2,602.98	15.87	14.38	-142.84	-365.89	408.16	340.35	312.34	28.01	12.151		
2,800.00	2,631.92	2,784.11	2,696.90	16.59	14.94	-143.48	-386.83	427.52	359.11	330.02	29.10	12.343		
2,900.00	2,721.59	2,882.26	2,790.81	17.32	15.50	-144.05	-407.77	446.87	377.91	347.73	30.18	12.521		
3,000.00	2,811.26	2,980.41	2,884.73	18.05	16.06	-144.57	-428.71	466.23	396.75	365.47	31.27	12.687		
3,100.00	2,900.93	3,078.56	2,978.64	18.78	16.63	-145.05	-449.65	485.59	415.61	383.24	32.36	12.842		
3,200.00	2,990.60	3,176.71	3,072.56	19.51	17.19	-145.48	-470.59	504.94	434.50	401.04	33.46	12.986		
3,300.00	3,080.28	3,274.86	3,166.48	20.25	17.76	-145.87	-491.53	524.30	453.41	418.85	34.56	13.121		
3,400.00	3,169.95	3,373.01	3,260.39	20.99	18.33	-146.24	-512.47	543.66	472.33	436.68	35.65	13.248		
3,500.00	3,259.62	3,471.16	3,354.31	21.73	18.89	-146.57	-533.41	563.01	491.28	454.52	36.75	13.366		
3,600.00	3,349.29	3,569.31	3,448.23	22.47	19.46	-146.88	-554.35	582.37	510.24	472.38	37.86	13.478		
3,700.00	3,438.96	3,667.46	3,542.14	23.21	20.03	-147.17	-575.29	601.73	529.21	490.25	38.96	13.583		
3,800.00	3,528.64	3,765.61	3,636.06	23.95	20.60	-147.44	-596.23	621.08	548.20	508.13	40.07	13.683		
3,900.00	3,618.31	3,863.76	3,729.97	24.69	21.17	-147.69	-617.17	640.44	567.20	526.02	41.17	13.776		
4,000.00	3,707.98	3,961.91	3,823.89	25.44	21.74	-147.93	-638.11	659.80	586.20	543.92	42.28	13.865		
4,100.00	3,797.65	4,060.06	3,917.81	26.18	22.31	-148.15	-659.05	679.15	605.22	561.83	43.39	13.949		
4,200.00	3,887.32	4,158.21	4,011.72	26.93	22.88	-148.35	-679.99	698.51	624.24	579.74	44.50	14.029		
4,300.00	3,976.99	4,256.36	4,105.64	27.68	23.45	-148.55	-700.93	717.87	643.27	597.66	45.61	14.104		
4,400.00	4,066.67	4,354.51	4,199.55	28.42	24.03	-148.73	-721.87	737.22	662.31	615.59	46.72	14.176		
4,500.00	4,156.34	4,452.66	4,293.47	29.17	24.60	-148.90	-742.81	756.58	681.35	633.52	47.83	14.245		
4,600.00	4,246.01	4,550.81	4,387.39	29.92	25.17	-149.07	-763.75	775.94	700.40	651.46	48.94	14.310		
4,700.00	4,335.68	4,648.96	4,481.30	30.67	25.74	-149.22	-784.69	795.29	719.46	669.40	50.06	14.372		
4,800.00	4,425.35	4,747.11	4,575.22	31.42	26.32	-149.37	-805.63	814.65	738.52	687.34	51.17	14.432		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)					
4,900.00	4,515.03	4,845.26	4,669.13	32.17	26.89	-149.51	-826.57	834.01		757.58	705.29	52.29	14.489				
5,000.00	4,604.70	4,943.41	4,763.05	32.92	27.47	-149.64	-847.51	853.36		776.65	723.24	53.40	14.543				
5,100.00	4,694.37	5,041.56	4,856.97	33.67	28.04	-149.77	-868.45	872.72		795.72	741.20	54.52	14.595				
5,200.00	4,784.04	5,139.71	4,950.88	34.42	28.61	-149.89	-889.39	892.08		814.79	759.16	55.64	14.645				
5,300.00	4,873.71	5,237.86	5,044.80	35.17	29.19	-150.00	-910.33	911.43		833.87	777.12	56.75	14.693				
5,400.00	4,963.38	5,336.01	5,138.71	35.92	29.76	-150.11	-931.27	930.79		852.95	795.08	57.87	14.739				
5,500.00	5,053.06	5,434.16	5,232.63	36.67	30.34	-150.21	-952.21	950.15		872.04	813.05	58.99	14.783				
5,600.00	5,142.73	5,532.31	5,326.55	37.43	30.91	-150.32	-973.15	969.50		891.13	831.02	60.11	14.826				
5,700.00	5,232.40	5,630.46	5,420.46	38.18	31.49	-150.41	-994.09	988.86		910.21	848.99	61.23	14.866				
5,800.00	5,322.07	5,728.61	5,514.38	38.93	32.06	-150.50	-1,015.03	1,008.22		929.31	866.96	62.35	14.906				
5,900.00	5,411.74	5,826.76	5,608.29	39.68	32.64	-150.59	-1,035.97	1,027.57		948.40	884.94	63.47	14.944				
6,000.00	5,501.42	5,924.91	5,702.21	40.44	33.21	-150.68	-1,056.91	1,046.93		967.50	902.91	64.59	14.980				
6,100.00	5,591.09	6,023.06	5,796.13	41.19	33.79	-150.76	-1,077.85	1,066.29		986.60	920.89	65.71	15.015				
6,200.00	5,680.76	6,121.21	5,890.04	41.94	34.37	-150.84	-1,098.79	1,085.64		1,005.70	938.87	66.83	15.049				
6,300.00	5,770.43	6,219.36	5,983.96	42.70	34.94	-150.91	-1,119.73	1,105.00		1,024.80	956.85	67.95	15.082				
6,400.00	5,860.10	6,317.51	6,077.87	43.45	35.52	-150.99	-1,140.67	1,124.36		1,043.90	974.83	69.07	15.114				
6,500.00	5,949.77	6,415.66	6,171.79	44.20	36.09	-151.06	-1,161.61	1,143.71		1,063.01	992.82	70.19	15.145				
6,600.00	6,039.45	6,513.81	6,265.71	44.96	36.67	-151.12	-1,182.55	1,163.07		1,082.11	1,010.80	71.31	15.174				
6,700.00	6,129.12	6,611.96	6,359.62	45.71	37.25	-151.19	-1,203.49	1,182.43		1,101.22	1,028.79	72.43	15.203				
6,800.00	6,218.79	6,716.89	6,460.80	46.46	37.82	-151.52	-1,226.10	1,198.05		1,120.10	1,046.58	73.53	15.234				
6,900.00	6,308.46	6,819.70	6,560.99	47.22	38.25	-152.66	-1,248.64	1,197.11		1,138.48	1,064.17	74.31	15.320				
6,969.86	6,371.11	6,886.37	6,625.33	47.75	38.46	-153.82	-1,263.20	1,187.65		1,151.45	1,076.75	74.70	15.413				
7,000.00	6,398.25	6,913.80	6,651.45	47.97	38.54	-160.10	-1,269.13	1,181.77		1,157.21	1,082.36	74.85	15.461				
7,050.00	6,443.70	6,958.40	6,693.32	48.31	38.66	-171.33	-1,278.66	1,169.76		1,167.05	1,091.97	75.08	15.545				
7,100.00	6,489.42	7,001.96	6,733.32	48.61	38.77	176.84	-1,287.80	1,155.15		1,177.15	1,101.86	75.29	15.635				
7,150.00	6,535.12	7,044.62	6,771.45	48.87	38.88	165.08	-1,296.54	1,138.16		1,187.44	1,111.94	75.50	15.728				
7,200.00	6,580.53	7,086.46	6,807.69	49.09	38.99	154.04	-1,304.87	1,118.99		1,197.80	1,122.10	75.71	15.822				
7,250.00	6,625.36	7,127.59	6,842.03	49.27	39.10	144.14	-1,312.79	1,097.80		1,208.16	1,132.25	75.92	15.914				
7,300.00	6,669.35	7,168.08	6,874.46	49.42	39.22	135.55	-1,320.31	1,074.76		1,218.43	1,142.29	76.13	16.004				
7,350.00	6,712.21	7,208.02	6,904.98	49.55	39.34	128.22	-1,327.41	1,050.01		1,228.50	1,152.14	76.36	16.087				
7,400.00	6,753.69	7,247.46	6,933.57	49.65	39.47	122.01	-1,334.09	1,023.69		1,238.30	1,161.69	76.61	16.163				
7,450.00	6,793.52	7,286.46	6,960.23	49.73	39.60	116.74	-1,340.34	995.92		1,247.74	1,170.85	76.89	16.228				
7,500.00	6,831.47	7,325.08	6,984.93	49.81	39.75	112.28	-1,346.18	966.82		1,256.76	1,179.56	77.20	16.279				
7,550.00	6,867.30	7,363.36	7,007.68	49.88	39.91	108.48	-1,351.58	936.51		1,265.26	1,187.71	77.55	16.315				
7,600.00	6,900.78	7,400.00	7,027.74	49.95	40.08	105.26	-1,356.38	906.24		1,273.20	1,195.25	77.95	16.335				
7,650.00	6,931.72	7,439.07	7,047.22	50.03	40.28	102.49	-1,361.08	872.71		1,280.50	1,202.08	78.42	16.329				
7,700.00	6,959.92	7,476.56	7,063.99	50.11	40.49	100.16	-1,365.17	839.44		1,287.11	1,208.16	78.95	16.303				
7,750.00	6,985.20	7,513.86	7,078.75	50.20	40.72	98.19	-1,368.81	805.38		1,292.98	1,213.42	79.56	16.251				
7,800.00	7,007.41	7,550.00	7,091.17	50.30	40.95	96.55	-1,371.92	771.59		1,298.07	1,217.82	80.25	16.175				
7,850.00	7,026.42	7,587.96	7,102.18	50.42	41.23	95.21	-1,374.74	735.37		1,302.33	1,221.29	81.04	16.070				
7,900.00	7,042.11	7,624.82	7,110.83	50.57	41.51	94.15	-1,377.02	699.62		1,305.74	1,223.83	81.91	15.940				
7,950.00	7,054.37	7,661.58	7,117.43	50.73	41.81	93.34	-1,378.85	663.51		1,308.28	1,225.40	82.88	15.786				
8,000.00	7,063.14	7,700.00	7,122.15	50.92	42.15	92.79	-1,380.27	625.41		1,309.91	1,225.99	83.92	15.608				
8,050.00	7,068.36	7,734.89	7,124.48	51.13	42.48	92.48	-1,381.13	590.62		1,310.64	1,225.58	85.05	15.410				
8,094.17	7,070.00	7,770.01	7,125.03	51.34	42.82	92.40	-1,381.58	555.50		1,310.50	1,224.40	86.11	15.220				
8,100.00	7,070.03	7,775.84	7,125.04	51.37	42.88	92.40	-1,381.64	549.67		1,310.43	1,224.18	86.25	15.193				
8,200.00	7,070.55	7,875.83	7,125.28	51.94	44.00	92.39	-1,382.64	449.69		1,309.12	1,220.24	88.88	14.728				
8,300.00	7,071.07	7,975.83	7,125.52	52.64	45.29	92.38	-1,383.65	349.70		1,307.82	1,216.03	91.79	14.248				
8,400.00	7,071.60	8,075.82	7,125.76	53.49	46.73	92.37	-1,384.65	249.72		1,306.51	1,211.57	94.95	13.761				
8,500.00	7,072.12	8,175.81	7,126.00	54.50	48.33	92.36	-1,385.65	149.73		1,305.21	1,206.87	98.34	13.273				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	8,275.80	7,126.24	55.69	50.05	92.35	-1,386.65	49.75	1,303.90	1,201.97	101.93	12.792		
8,700.00	7,073.17	8,375.79	7,126.48	57.04	51.89	92.34	-1,387.65	-50.24	1,302.60	1,196.88	105.72	12.322		
8,800.00	7,073.69	8,475.78	7,126.72	58.55	53.83	92.33	-1,388.65	-150.23	1,301.29	1,191.63	109.67	11.866		
8,900.00	7,074.21	8,575.77	7,126.96	60.21	55.85	92.32	-1,389.65	-250.21	1,299.99	1,186.22	113.76	11.427		
9,000.00	7,074.74	8,675.76	7,127.20	61.99	57.95	92.31	-1,390.66	-350.20	1,298.68	1,180.68	118.00	11.006		
9,100.00	7,075.26	8,775.76	7,127.44	63.88	60.12	92.30	-1,391.66	-450.18	1,297.38	1,175.03	122.35	10.604		
9,200.00	7,075.78	8,875.75	7,127.68	65.87	62.35	92.29	-1,392.66	-550.17	1,296.07	1,169.26	126.81	10.220		
9,300.00	7,076.30	8,975.74	7,127.92	67.95	64.64	92.28	-1,393.66	-650.16	1,294.77	1,163.40	131.37	9.856		
9,400.00	7,076.83	9,075.73	7,128.16	70.09	66.97	92.27	-1,394.66	-750.14	1,293.46	1,157.45	136.02	9.510		
9,500.00	7,077.35	9,175.72	7,128.40	72.30	69.34	92.26	-1,395.66	-850.13	1,292.16	1,151.42	140.74	9.181		
9,600.00	7,077.87	9,275.71	7,128.64	74.57	71.74	92.25	-1,396.66	-950.11	1,290.86	1,145.32	145.53	8.870		
9,700.00	7,078.40	9,375.70	7,128.88	76.88	74.19	92.24	-1,397.67	-1,050.10	1,289.55	1,139.16	150.39	8.575		
9,800.00	7,078.92	9,475.69	7,129.12	79.24	76.66	92.23	-1,398.67	-1,150.09	1,288.25	1,132.94	155.31	8.295		
9,900.00	7,079.44	9,575.69	7,129.36	81.63	79.16	92.22	-1,399.67	-1,250.07	1,286.94	1,126.66	160.28	8.029		
10,000.00	7,079.97	9,675.68	7,129.60	84.06	81.68	92.21	-1,400.67	-1,350.06	1,285.64	1,120.34	165.30	7.778		
10,100.00	7,080.49	9,775.67	7,129.84	86.52	84.22	92.20	-1,401.67	-1,450.04	1,284.33	1,113.98	170.36	7.539		
10,200.00	7,081.01	9,875.66	7,130.08	89.01	86.79	92.19	-1,402.67	-1,550.03	1,283.03	1,107.57	175.46	7.312		
10,300.00	7,081.54	9,975.65	7,130.32	91.52	89.37	92.18	-1,403.68	-1,650.02	1,281.73	1,101.13	180.60	7.097		
10,400.00	7,082.06	10,075.64	7,130.56	94.05	91.97	92.17	-1,404.68	-1,750.00	1,280.42	1,094.66	185.77	6.893		
10,500.00	7,082.58	10,175.63	7,130.80	96.61	94.58	92.16	-1,405.68	-1,849.99	1,279.12	1,088.15	190.97	6.698		
10,600.00	7,083.10	10,275.62	7,131.04	99.18	97.21	92.15	-1,406.68	-1,949.97	1,277.81	1,081.62	196.20	6.513		
10,700.00	7,083.63	10,375.61	7,131.28	101.77	99.85	92.14	-1,407.68	-2,049.96	1,276.51	1,075.05	201.46	6.336		
10,800.00	7,084.15	10,475.61	7,131.52	104.38	102.51	92.12	-1,408.68	-2,149.94	1,275.21	1,068.47	206.74	6.168		
10,900.00	7,084.67	10,575.60	7,131.76	107.00	105.17	92.11	-1,409.68	-2,249.93	1,273.90	1,061.86	212.04	6.008		
11,000.00	7,085.20	10,675.59	7,132.00	109.63	107.85	92.10	-1,410.69	-2,349.92	1,272.60	1,055.24	217.36	5.855		
11,100.00	7,085.72	10,775.58	7,132.24	112.27	110.53	92.09	-1,411.69	-2,449.90	1,271.29	1,048.59	222.71	5.708		
11,200.00	7,086.24	10,875.57	7,132.48	114.93	113.22	92.08	-1,412.69	-2,549.89	1,269.99	1,041.92	228.07	5.568		
11,300.00	7,086.77	10,975.56	7,132.71	117.59	115.92	92.07	-1,413.69	-2,649.87	1,268.69	1,035.24	233.45	5.435		
11,400.00	7,087.29	11,075.55	7,132.95	120.27	118.63	92.06	-1,414.69	-2,749.86	1,267.38	1,028.54	238.84	5.306		
11,500.00	7,087.81	11,175.54	7,133.19	122.95	121.34	92.05	-1,415.69	-2,849.85	1,266.08	1,021.83	244.25	5.184		
11,600.00	7,088.33	11,275.54	7,133.43	125.64	124.06	92.04	-1,416.69	-2,949.83	1,264.78	1,015.11	249.67	5.066		
11,700.00	7,088.86	11,375.53	7,133.67	128.34	126.79	92.03	-1,417.70	-3,049.82	1,263.47	1,008.37	255.10	4.953		
11,800.00	7,089.38	11,475.52	7,133.91	131.05	129.52	92.02	-1,418.70	-3,149.80	1,262.17	1,001.62	260.55	4.844		
11,900.00	7,089.90	11,575.51	7,134.15	133.76	132.26	92.01	-1,419.70	-3,249.79	1,260.87	994.86	266.01	4.740		
12,000.00	7,090.43	11,675.50	7,134.39	136.49	135.00	92.00	-1,420.70	-3,349.78	1,259.56	988.09	271.48	4.640		
12,100.00	7,090.95	11,775.49	7,134.63	139.21	137.75	91.99	-1,421.70	-3,449.76	1,258.26	981.31	276.95	4.543		
12,200.00	7,091.47	11,875.48	7,134.87	141.94	140.50	91.97	-1,422.70	-3,549.75	1,256.96	974.52	282.44	4.450		
12,300.00	7,092.00	11,975.47	7,135.11	144.68	143.26	91.96	-1,423.70	-3,649.73	1,255.65	967.72	287.94	4.361		
12,400.00	7,092.52	12,075.47	7,135.35	147.42	146.02	91.95	-1,424.71	-3,749.72	1,254.35	960.91	293.44	4.275		
12,500.00	7,093.04	12,175.46	7,135.59	150.17	148.78	91.94	-1,425.71	-3,849.71	1,253.05	954.09	298.95	4.191		
12,600.00	7,093.57	12,275.45	7,135.83	152.92	151.55	91.93	-1,426.71	-3,949.69	1,251.74	947.27	304.47	4.111		
12,700.00	7,094.09	12,375.44	7,136.07	155.67	154.32	91.92	-1,427.71	-4,049.68	1,250.44	940.44	310.00	4.034		
12,800.00	7,094.61	12,475.43	7,136.31	158.43	157.10	91.91	-1,428.71	-4,149.66	1,249.14	933.60	315.53	3.959		
12,900.00	7,095.13	12,575.42	7,136.55	161.19	159.87	91.90	-1,429.71	-4,249.65	1,247.83	926.76	321.07	3.886		
13,000.00	7,095.66	12,675.41	7,136.79	163.96	162.65	91.89	-1,430.72	-4,349.64	1,246.53	919.91	326.62	3.816		
13,100.00	7,096.18	12,775.40	7,137.03	166.73	165.43	91.88	-1,431.72	-4,449.62	1,245.23	913.06	332.17	3.749		
13,200.00	7,096.70	12,875.40	7,137.27	169.50	168.22	91.87	-1,432.72	-4,549.61	1,243.93	906.20	337.73	3.683		
13,256.62	7,097.00	12,932.01	7,137.41	171.07	169.79	91.86	-1,433.29	-4,606.22	1,243.19	902.31	340.88	3.647 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	
0.00	0.00	0.00	0.00	3.28	3.28	0.00	30.24	0.00	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	30.24	0.00	30.24	23.67	6.57	4.603		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	30.24	0.00	30.24	23.56	6.67	4.531		
300.00	300.00	300.00	300.00	3.44	3.44	0.00	30.24	0.00	30.24	23.35	6.89	4.389 CC		
400.00	399.98	400.92	400.90	3.60	3.60	-153.27	28.71	0.90	30.28	23.08	7.20	4.206		
500.00	499.84	501.83	501.66	3.79	3.79	-152.60	24.12	3.62	30.42	22.82	7.60	4.003		
600.00	599.45	602.74	602.18	4.02	4.03	-151.49	16.48	8.14	30.67	22.58	8.09	3.793		
700.00	698.70	703.65	702.31	4.29	4.30	-149.98	5.80	14.45	31.03	22.38	8.64	3.590		
800.00	797.47	804.54	801.94	4.59	4.61	-148.09	-7.91	22.56	31.52	22.26	9.26	3.403		
900.00	895.62	905.43	900.93	4.93	4.96	-145.87	-24.62	32.44	32.16	22.23	9.93	3.238 ES		
1,000.00	993.06	1,006.30	999.17	5.31	5.34	-143.37	-44.33	44.10	32.98	22.32	10.66	3.094		
1,100.00	1,089.64	1,107.16	1,096.52	5.72	5.75	-140.64	-66.99	57.50	33.99	22.56	11.43	2.973		
1,200.00	1,185.27	1,208.00	1,192.87	6.16	6.20	-137.76	-92.59	72.64	35.22	22.95	12.26	2.871		
1,300.00	1,279.82	1,308.83	1,288.10	6.64	6.69	-134.78	-121.08	89.49	36.68	23.52	13.16	2.787		
1,400.00	1,373.17	1,409.63	1,382.09	7.16	7.22	-131.77	-152.43	108.03	38.40	24.27	14.13	2.718		
1,500.00	1,465.21	1,510.17	1,474.56	7.71	7.78	-128.98	-186.39	128.12	40.47	25.30	15.17	2.667		
1,600.00	1,555.84	1,610.09	1,566.12	8.31	8.37	-129.15	-220.83	148.48	44.28	28.04	16.25	2.726		
1,613.50	1,567.96	1,623.57	1,578.48	8.39	8.45	-129.43	-225.47	151.23	44.97	28.58	16.39	2.743		
1,700.00	1,645.53	1,709.94	1,657.62	8.93	8.98	-131.29	-255.23	168.83	49.51	32.20	17.32	2.859		
1,800.00	1,735.20	1,809.78	1,749.12	9.58	9.60	-133.05	-289.64	189.17	54.82	36.41	18.41	2.978		
1,900.00	1,824.87	1,909.63	1,840.61	10.25	10.23	-134.50	-324.04	209.52	60.17	40.66	19.51	3.084		
2,000.00	1,914.54	2,009.48	1,932.11	10.92	10.87	-135.71	-358.45	229.87	65.55	44.92	20.63	3.177		
2,100.00	2,004.21	2,109.32	2,023.61	11.61	11.52	-136.74	-392.85	250.21	70.96	49.20	21.76	3.261		
2,200.00	2,093.89	2,209.17	2,115.10	12.30	12.17	-137.63	-427.26	270.56	76.39	53.48	22.90	3.335		
2,300.00	2,183.56	2,309.01	2,206.60	13.01	12.84	-138.39	-461.66	290.91	81.83	57.78	24.05	3.402		
2,400.00	2,273.23	2,408.86	2,298.09	13.71	13.50	-139.06	-496.07	311.26	87.28	62.07	25.21	3.462		
2,500.00	2,362.90	2,508.71	2,389.59	14.43	14.17	-139.65	-530.47	331.60	92.75	66.38	26.37	3.517		
2,600.00	2,452.57	2,608.55	2,481.09	15.14	14.85	-140.18	-564.88	351.95	98.22	70.68	27.54	3.566		
2,700.00	2,542.25	2,708.40	2,572.58	15.87	15.52	-140.65	-599.28	372.30	103.70	74.99	28.72	3.611		
2,800.00	2,631.92	2,808.24	2,664.08	16.59	16.20	-141.07	-633.69	392.65	109.19	79.30	29.89	3.653		
2,900.00	2,721.59	2,908.09	2,755.57	17.32	16.89	-141.45	-668.10	412.99	114.69	83.61	31.08	3.690		
3,000.00	2,811.26	3,007.94	2,847.07	18.05	17.57	-141.80	-702.50	433.34	120.18	87.92	32.26	3.725		
3,100.00	2,900.93	3,107.78	2,938.57	18.78	18.26	-142.11	-736.91	453.69	125.68	92.23	33.45	3.757		
3,200.00	2,990.60	3,207.63	3,030.06	19.51	18.94	-142.40	-771.31	474.03	131.19	96.54	34.65	3.787		
3,300.00	3,080.28	3,307.48	3,121.56	20.25	19.63	-142.67	-805.72	494.38	136.70	100.86	35.84	3.814		
3,400.00	3,169.95	3,407.32	3,213.06	20.99	20.32	-142.92	-840.12	514.73	142.21	105.17	37.04	3.839		
3,500.00	3,259.62	3,507.17	3,304.55	21.73	21.02	-143.15	-874.53	535.08	147.72	109.48	38.24	3.863		
3,600.00	3,349.29	3,607.01	3,396.05	22.47	21.71	-143.36	-908.93	555.42	153.24	113.80	39.44	3.885		
3,700.00	3,438.96	3,706.86	3,487.54	23.21	22.40	-143.55	-943.34	575.77	158.76	118.11	40.65	3.906		
3,800.00	3,528.64	3,806.71	3,579.04	23.95	23.10	-143.74	-977.74	596.12	164.28	122.42	41.85	3.925		
3,900.00	3,618.31	3,906.55	3,670.54	24.69	23.79	-143.91	-1,012.15	616.47	169.80	126.74	43.06	3.943		
4,000.00	3,707.98	4,006.40	3,762.03	25.44	24.49	-144.07	-1,046.55	636.81	175.32	131.05	44.27	3.961		
4,100.00	3,797.65	4,106.25	3,853.53	26.18	25.19	-144.22	-1,080.96	657.16	180.84	135.37	45.48	3.977		
4,200.00	3,887.32	4,206.09	3,945.02	26.93	25.89	-144.36	-1,115.37	677.51	186.37	139.68	46.69	3.992		
4,300.00	3,976.99	4,305.94	4,036.52	27.68	26.58	-144.50	-1,149.77	697.85	191.89	144.00	47.90	4.006		
4,400.00	4,066.67	4,405.78	4,128.02	28.42	27.28	-144.62	-1,184.18	718.20	197.42	148.31	49.11	4.020		
4,500.00	4,156.34	4,505.63	4,219.51	29.17	27.98	-144.74	-1,218.58	738.55	202.95	152.62	50.32	4.033		
4,600.00	4,246.01	4,605.48	4,311.01	29.92	28.68	-144.85	-1,252.99	758.90	208.48	156.94	51.54	4.045		
4,700.00	4,335.68	4,705.32	4,402.50	30.67	29.38	-144.96	-1,287.39	779.24	214.01	161.25	52.76	4.057		
4,800.00	4,425.35	4,805.17	4,494.00	31.42	30.08	-145.06	-1,321.80	799.59	219.54	165.56	53.97	4.068		
4,900.00	4,515.03	4,905.02	4,585.50	32.17	30.79	-145.16	-1,356.20	819.94	225.07	169.88	55.19	4.078		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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							
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)			
5,000.00	4,604.70	5,004.86	4,676.99	32.92	31.49	-145.25	-1,390.61	840.29	230.60	174.19	56.41	4.088		
5,100.00	4,694.37	5,104.71	4,768.49	33.67	32.19	-145.34	-1,425.01	860.63	236.13	178.51	57.62	4.098		
5,200.00	4,784.04	5,204.55	4,859.98	34.42	32.89	-145.42	-1,459.42	880.98	241.66	182.82	58.84	4.107		
5,300.00	4,873.71	5,304.40	4,951.48	35.17	33.59	-145.50	-1,493.82	901.33	247.20	187.13	60.06	4.116		
5,400.00	4,963.38	5,404.25	5,042.98	35.92	34.30	-145.58	-1,528.23	921.67	252.73	191.45	61.28	4.124		
5,500.00	5,053.06	5,504.09	5,134.47	36.67	35.00	-145.65	-1,562.64	942.02	258.26	195.76	62.50	4.132		
5,600.00	5,142.73	5,603.94	5,225.97	37.43	35.70	-145.72	-1,597.04	962.37	263.80	200.07	63.72	4.140		
5,700.00	5,232.40	5,703.79	5,317.46	38.18	36.41	-145.79	-1,631.45	982.72	269.33	204.39	64.95	4.147		
5,800.00	5,322.07	5,803.63	5,408.96	38.93	37.11	-145.86	-1,665.85	1,003.06	274.87	208.70	66.17	4.154		
5,900.00	5,411.74	5,903.48	5,500.46	39.68	37.81	-145.92	-1,700.26	1,023.41	280.40	213.01	67.39	4.161		
6,000.00	5,501.42	6,003.32	5,591.95	40.44	38.52	-145.98	-1,734.66	1,043.76	285.94	217.32	68.61	4.167		
6,100.00	5,591.09	6,103.17	5,683.45	41.19	39.22	-146.04	-1,769.07	1,064.11	291.47	221.64	69.84	4.174		
6,200.00	5,680.76	6,203.02	5,774.95	41.94	39.93	-146.09	-1,803.47	1,084.45	297.01	225.95	71.06	4.180		
6,300.00	5,770.43	6,302.86	5,866.44	42.70	40.63	-146.14	-1,837.88	1,104.80	302.55	230.26	72.28	4.186		
6,400.00	5,860.10	6,402.71	5,957.94	43.45	41.34	-146.19	-1,872.28	1,125.15	308.08	234.58	73.51	4.191		
6,500.00	5,949.77	6,502.56	6,049.43	44.20	42.04	-146.24	-1,906.69	1,145.49	313.62	238.89	74.73	4.197		
6,600.00	6,039.45	6,602.40	6,140.93	44.96	42.75	-146.29	-1,941.09	1,165.84	319.16	243.20	75.95	4.202		
6,700.00	6,129.12	6,702.25	6,232.43	45.71	43.45	-146.34	-1,975.50	1,186.19	324.69	247.51	77.18	4.207		
6,800.00	6,218.79	6,808.91	6,331.24	46.46	44.14	-147.65	-2,012.62	1,200.65	329.28	251.28	77.99	4.222		
6,900.00	6,308.46	6,911.32	6,427.00	47.22	44.64	-151.71	-2,048.51	1,197.85	332.64	254.71	77.93	4.268		
6,969.86	6,371.11	6,977.45	6,488.12	47.75	44.88	-155.71	-2,071.37	1,187.33	335.92	258.31	77.61	4.328		
7,000.00	6,398.25	7,004.61	6,512.87	47.97	44.96	-162.95	-2,080.62	1,181.06	337.97	260.51	77.46	4.363		
7,050.00	6,443.70	7,048.73	6,552.49	48.31	45.08	-175.71	-2,095.40	1,168.49	342.26	265.01	77.25	4.431		
7,100.00	6,489.42	7,091.79	6,590.27	48.61	45.18	-171.02	-2,109.49	1,153.43	347.57	270.51	77.06	4.511		
7,150.00	6,535.12	7,133.89	6,626.22	48.87	45.27	-157.92	-2,122.88	1,136.09	353.73	276.88	76.85	4.603		
7,200.00	6,580.53	7,175.14	6,660.33	49.09	45.35	-145.64	-2,135.57	1,116.69	360.58	284.00	76.58	4.708		
7,250.00	6,625.36	7,215.62	6,692.60	49.27	45.42	-134.62	-2,147.56	1,095.39	367.96	291.72	76.24	4.826		
7,300.00	6,669.35	7,255.43	6,723.03	49.42	45.49	-125.01	-2,158.86	1,072.36	375.71	299.90	75.81	4.956		
7,350.00	6,712.21	7,294.63	6,751.62	49.55	45.56	-116.78	-2,169.45	1,047.75	383.68	308.39	75.29	5.096		
7,400.00	6,753.69	7,333.28	6,778.38	49.65	45.63	-109.76	-2,179.36	1,021.68	391.72	317.01	74.71	5.243		
7,450.00	6,793.52	7,371.45	6,803.31	49.73	45.71	-103.80	-2,188.56	994.29	399.71	325.63	74.08	5.395		
7,500.00	6,831.47	7,409.19	6,826.40	49.81	45.79	-98.73	-2,197.08	965.69	407.53	334.08	73.45	5.549		
7,550.00	6,867.30	7,446.54	6,847.66	49.88	45.88	-94.41	-2,204.90	935.99	415.06	342.22	72.84	5.698		
7,600.00	6,900.78	7,483.56	6,867.09	49.95	45.97	-90.73	-2,212.02	905.30	422.21	349.90	72.31	5.839		
7,650.00	6,931.72	7,520.29	6,884.67	50.03	46.08	-87.60	-2,218.46	873.72	428.90	357.01	71.89	5.966		
7,700.00	6,959.92	7,556.75	6,900.43	50.11	46.19	-84.94	-2,224.20	841.34	435.06	363.42	71.64	6.073		
7,750.00	6,985.20	7,592.99	6,914.34	50.20	46.32	-82.71	-2,229.25	808.26	440.61	369.03	71.58	6.155		
7,800.00	7,007.41	7,629.05	6,926.41	50.30	46.46	-80.85	-2,233.61	774.58	445.51	373.74	71.77	6.208		
7,850.00	7,026.42	7,664.94	6,936.63	50.42	46.61	-79.33	-2,237.27	740.37	449.70	377.50	72.20	6.229		
7,900.00	7,042.11	7,700.00	6,944.86	50.57	46.78	-78.14	-2,240.18	706.42	453.16	380.24	72.92	6.215		
7,950.00	7,054.37	7,736.37	6,951.54	50.73	46.96	-77.22	-2,242.50	670.75	455.84	381.95	73.89	6.169		
8,000.00	7,063.14	7,771.96	6,956.21	50.92	47.16	-76.60	-2,244.08	635.51	457.73	382.59	75.14	6.091		
8,050.00	7,068.36	7,807.50	6,959.04	51.13	47.38	-76.23	-2,244.96	600.09	458.81	382.16	76.65	5.986		
8,094.17	7,070.00	7,846.61	6,959.99	51.34	47.63	-76.14	-2,245.17	570.03	459.08	380.74	78.34	5.860		
8,100.00	7,070.03	7,843.41	6,960.01	51.37	47.61	-76.13	-2,245.14	564.20	459.09	380.73	78.36	5.858		
8,200.00	7,070.55	7,943.41	6,960.26	51.94	48.37	-76.11	-2,244.73	464.21	459.27	378.39	80.88	5.679		
8,300.00	7,071.07	8,043.41	6,960.51	52.64	49.28	-76.08	-2,244.32	364.21	459.45	375.77	83.67	5.491		
8,400.00	7,071.60	8,143.41	6,960.76	53.49	50.37	-76.05	-2,243.91	264.21	459.62	372.89	86.73	5.299		
8,500.00	7,072.12	8,243.41	6,961.01	54.50	51.63	-76.02	-2,243.50	164.21	459.80	369.77	90.03	5.107		
8,600.00	7,072.64	8,343.40	6,961.27	55.69	53.06	-75.99	-2,243.09	64.21	459.98	366.44	93.55	4.917		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	
8,700.00	7,073.17	8,443.40	6,961.52	57.04	54.64	75.96	-2,242.69	-35.79	460.16	362.91	97.25	4.732		
8,800.00	7,073.69	8,543.40	6,961.77	58.55	56.35	75.93	-2,242.28	-135.78	460.34	359.22	101.12	4.552		
8,900.00	7,074.21	8,643.40	6,962.02	60.21	58.19	75.90	-2,241.87	-235.78	460.52	355.37	105.15	4.380		
9,000.00	7,074.74	8,743.40	6,962.27	61.99	60.13	75.87	-2,241.46	-335.78	460.70	351.39	109.31	4.215		
9,100.00	7,075.26	8,843.40	6,962.53	63.88	62.16	75.84	-2,241.05	-435.78	460.88	347.29	113.58	4.058		
9,200.00	7,075.78	8,943.40	6,962.78	65.87	64.27	75.81	-2,240.64	-535.78	461.06	343.09	117.97	3.908		
9,300.00	7,076.30	9,043.40	6,963.03	67.95	66.44	75.78	-2,240.23	-635.78	461.24	338.79	122.44	3.767		
9,400.00	7,076.83	9,143.40	6,963.28	70.09	68.68	75.75	-2,239.82	-735.77	461.42	334.41	127.01	3.633		
9,500.00	7,077.35	9,243.40	6,963.53	72.30	70.97	75.73	-2,239.41	-835.77	461.60	329.95	131.64	3.506		
9,600.00	7,077.87	9,343.40	6,963.79	74.57	73.31	75.70	-2,239.00	-935.77	461.78	325.43	136.35	3.387		
9,700.00	7,078.40	9,443.40	6,964.04	76.88	75.68	75.67	-2,238.59	-1,035.77	461.96	320.85	141.11	3.274		
9,800.00	7,078.92	9,543.40	6,964.29	79.24	78.10	75.64	-2,238.18	-1,135.77	462.14	316.21	145.93	3.167		
9,900.00	7,079.44	9,643.40	6,964.54	81.63	80.54	75.61	-2,237.77	-1,235.77	462.32	311.52	150.80	3.066		
10,000.00	7,079.97	9,743.40	6,964.79	84.06	83.02	75.58	-2,237.36	-1,335.77	462.50	306.79	155.71	2.970		
10,100.00	7,080.49	9,843.40	6,965.04	86.52	85.52	75.55	-2,236.95	-1,435.76	462.68	302.02	160.66	2.880		
10,200.00	7,081.01	9,943.40	6,965.30	89.01	88.05	75.52	-2,236.54	-1,535.76	462.86	297.21	165.65	2.794		
10,300.00	7,081.54	10,043.40	6,965.55	91.52	90.60	75.49	-2,236.13	-1,635.76	463.04	292.37	170.67	2.713		
10,400.00	7,082.06	10,143.40	6,965.80	94.05	93.17	75.47	-2,235.72	-1,735.76	463.22	287.50	175.73	2.636		
10,500.00	7,082.58	10,243.40	6,966.05	96.61	95.75	75.44	-2,235.31	-1,835.76	463.40	282.60	180.81	2.563		
10,600.00	7,083.10	10,343.40	6,966.30	99.18	98.35	75.41	-2,234.90	-1,935.76	463.59	277.67	185.91	2.494		
10,700.00	7,083.63	10,443.40	6,966.56	101.77	100.97	75.38	-2,234.49	-2,035.75	463.77	272.73	191.04	2.428		
10,800.00	7,084.15	10,543.40	6,966.81	104.38	103.60	75.35	-2,234.08	-2,135.75	463.95	267.76	196.19	2.365		
10,900.00	7,084.67	10,643.39	6,967.06	107.00	106.24	75.32	-2,233.68	-2,235.75	464.13	262.78	201.35	2.305		
11,000.00	7,085.20	10,743.39	6,967.31	109.63	108.90	75.29	-2,233.27	-2,335.75	464.31	257.77	206.54	2.248		
11,100.00	7,085.72	10,843.39	6,967.56	112.27	111.56	75.26	-2,232.86	-2,435.75	464.49	252.75	211.74	2.194		
11,200.00	7,086.24	10,943.39	6,967.81	114.93	114.24	75.23	-2,232.45	-2,535.75	464.68	247.72	216.96	2.142		
11,300.00	7,086.77	11,043.39	6,968.07	117.59	116.93	75.21	-2,232.04	-2,635.74	464.86	242.67	222.19	2.092		
11,400.00	7,087.29	11,143.39	6,968.32	120.27	119.62	75.18	-2,231.63	-2,735.74	465.04	237.61	227.43	2.045		
11,500.00	7,087.81	11,243.39	6,968.57	122.95	122.32	75.15	-2,231.22	-2,835.74	465.22	232.53	232.69	1.999		
11,600.00	7,088.33	11,343.39	6,968.82	125.64	125.03	75.12	-2,230.81	-2,935.74	465.40	227.45	237.96	1.956		
11,700.00	7,088.86	11,443.39	6,969.07	128.34	127.74	75.09	-2,230.40	-3,035.74	465.59	222.35	243.24	1.914		
11,800.00	7,089.38	11,543.39	6,969.33	131.05	130.47	75.06	-2,229.99	-3,135.74	465.77	217.25	248.52	1.874		
11,900.00	7,089.90	11,643.39	6,969.58	133.76	133.19	75.03	-2,229.58	-3,235.74	465.95	212.14	253.82	1.836		
12,000.00	7,090.43	11,743.39	6,969.83	136.49	135.93	75.01	-2,229.17	-3,335.73	466.14	207.01	259.12	1.799		
12,100.00	7,090.95	11,843.39	6,970.08	139.21	138.67	74.98	-2,228.76	-3,435.73	466.32	201.89	264.43	1.763		
12,200.00	7,091.47	11,943.39	6,970.33	141.94	141.41	74.95	-2,228.35	-3,535.73	466.50	196.75	269.75	1.729		
12,300.00	7,092.00	12,043.39	6,970.59	144.68	144.16	74.92	-2,227.94	-3,635.73	466.69	191.61	275.08	1.697		
12,400.00	7,092.52	12,143.39	6,970.84	147.42	146.91	74.89	-2,227.53	-3,735.73	466.87	186.46	280.41	1.665		
12,500.00	7,093.04	12,243.39	6,971.09	150.17	149.67	74.86	-2,227.12	-3,835.73	467.05	181.31	285.74	1.635		
12,600.00	7,093.57	12,343.39	6,971.34	152.92	152.43	74.84	-2,226.71	-3,935.72	467.24	176.15	291.09	1.605		
12,700.00	7,094.09	12,443.39	6,971.59	155.67	155.20	74.81	-2,226.30	-4,035.72	467.42	170.99	296.43	1.577		
12,800.00	7,094.61	12,543.39	6,971.84	158.43	157.97	74.78	-2,225.89	-4,135.72	467.60	165.82	301.78	1.549		
12,900.00	7,095.13	12,643.39	6,972.10	161.19	160.74	74.75	-2,225.48	-4,235.72	467.79	160.65	307.14	1.523		
13,000.00	7,095.66	12,743.39	6,972.35	163.96	163.51	74.72	-2,225.07	-4,335.72	467.97	155.47	312.50	1.498 Level 3		
13,100.00	7,096.18	12,843.39	6,972.60	166.73	166.29	74.69	-2,224.67	-4,435.72	468.16	150.29	317.86	1.473 Level 3		
13,200.00	7,096.70	12,943.39	6,972.85	169.50	169.07	74.67	-2,224.26	-4,535.71	468.34	145.11	323.23	1.449 Level 3		
13,256.62	7,097.00	13,000.00	6,973.00	171.07	170.65	74.65	-2,224.02	-4,592.33	468.44	142.17	326.27	1.436 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.00	15.30	0.00	15.30					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	15.30	0.00	15.30	8.74	6.57	2.330		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	15.30	0.00	15.30	8.63	6.67	2.293		
300.00	300.00	300.43	300.41	3.44	3.44	3.47	13.76	0.84	13.79	6.89	6.89	2.000		
400.00	399.98	400.72	400.55	3.60	3.59	-140.08	9.12	3.33	11.00	3.79	7.21	1.525		
500.00	499.84	500.88	500.33	3.79	3.80	-123.86	1.41	7.49	8.83	1.23	7.60	1.162	Level 2	
600.00	599.45	600.92	599.61	4.02	4.04	-100.31	-9.35	13.29	7.84	-0.21	8.05	0.974	Level 1	
611.47	610.86	612.39	610.96	4.05	4.07	-97.35	-10.78	14.06	7.83	-0.28	8.11	0.965	Level 1, CC	
700.00	698.70	700.84	698.29	4.29	4.32	-75.60	-23.14	20.72	8.48	-0.14	8.62	0.984	Level 1	
800.00	797.47	800.63	796.24	4.59	4.65	-57.50	-39.92	29.76	10.45	1.17	9.28	1.126	Level 2	
900.00	895.62	900.30	893.35	4.93	5.01	-46.27	-59.67	40.40	13.18	3.18	10.00	1.319	Level 3	
1,000.00	993.06	999.85	989.50	5.31	5.41	-39.38	-82.35	52.63	16.30	5.55	10.75	1.516		
1,100.00	1,089.64	1,099.28	1,084.58	5.72	5.84	-35.03	-107.93	66.41	19.61	8.08	11.54	1.700		
1,200.00	1,185.27	1,198.58	1,178.48	6.16	6.32	-32.20	-136.36	81.73	23.05	10.69	12.36	1.865		
1,300.00	1,279.82	1,297.77	1,271.10	6.64	6.83	-30.32	-167.60	98.56	26.55	13.34	13.20	2.011		
1,400.00	1,373.17	1,413.03	1,362.26	7.16	7.48	-29.08	-201.56	116.87	30.08	15.92	14.16	2.124		
1,500.00	1,465.21	1,503.26	1,453.52	7.71	8.02	-29.42	-237.49	136.23	32.37	17.30	15.07	2.147		
1,600.00	1,555.84	1,603.29	1,544.78	8.31	8.63	-32.88	-273.43	155.60	31.67	15.53	16.14	1.962		
1,613.50	1,567.96	1,610.20	1,557.10	8.39	8.67	-33.63	-278.27	158.21	31.36	15.10	16.26	1.929		
1,700.00	1,645.53	1,696.63	1,635.99	8.93	9.21	-39.01	-309.34	174.95	29.37	12.05	17.31	1.696		
1,800.00	1,735.20	1,803.45	1,727.21	9.58	9.89	-46.12	-345.25	194.30	27.43	8.74	18.69	1.468	Level 3	
1,900.00	1,824.87	1,896.47	1,818.42	10.25	10.50	-54.17	-381.17	213.66	25.97	5.87	20.10	1.292	Level 3	
2,000.00	1,914.54	2,003.61	1,909.63	10.92	11.20	-62.97	-417.08	233.01	25.09	3.39	21.70	1.156	Level 2	
2,090.38	1,995.58	2,086.69	1,992.06	11.54	11.75	-71.29	-449.54	250.50	24.82	1.75	23.07	1.076	Level 2	
2,100.00	2,004.21	2,103.69	2,000.84	11.61	11.87	-72.18	-453.00	252.36	24.82	1.55	23.27	1.067	Level 2	
2,200.00	2,093.89	2,196.23	2,092.05	12.30	12.49	-81.35	-488.91	271.72	25.21	0.46	24.75	1.019	Level 2	
2,300.00	2,183.56	2,303.86	2,183.26	13.01	13.21	-90.03	-524.82	291.07	26.21	0.00	26.22	1.000	Level 1	
2,400.00	2,273.23	2,403.94	2,274.47	13.71	13.89	-97.91	-560.74	310.43	27.77	0.26	27.51	1.009	Level 2	
2,500.00	2,362.90	2,504.02	2,365.68	14.43	14.57	-104.84	-596.65	329.78	29.79	1.09	28.70	1.038	Level 2	
2,600.00	2,452.57	2,604.10	2,456.89	15.14	15.26	-110.81	-632.57	349.13	32.19	2.38	29.81	1.080	Level 2	
2,700.00	2,542.25	2,704.18	2,548.10	15.87	15.95	-115.91	-668.48	368.49	34.88	4.01	30.87	1.130	Level 2	
2,800.00	2,631.92	2,804.26	2,639.32	16.59	16.64	-120.25	-704.39	387.84	37.82	5.91	31.91	1.185	Level 2	
2,900.00	2,721.59	2,895.66	2,730.53	17.32	17.27	-123.94	-740.31	407.20	40.94	8.06	32.88	1.245	Level 2	
3,000.00	2,811.26	2,995.58	2,821.74	18.05	17.96	-127.11	-776.22	426.55	44.20	10.30	33.90	1.304	Level 3	
3,100.00	2,900.93	3,104.50	2,912.95	18.78	18.72	-129.83	-812.13	445.90	47.58	12.59	34.99	1.360	Level 3	
3,200.00	2,990.60	3,204.58	3,004.16	19.51	19.42	-132.18	-848.05	465.26	51.05	15.02	36.03	1.417	Level 3	
3,300.00	3,080.28	3,304.66	3,095.37	20.25	20.12	-134.23	-883.96	484.61	54.60	17.52	37.08	1.473	Level 3	
3,400.00	3,169.95	3,404.75	3,186.58	20.99	20.82	-136.04	-919.88	503.96	58.21	20.08	38.14	1.526		
3,500.00	3,259.62	3,495.17	3,277.79	21.73	21.45	-137.62	-955.79	523.32	61.87	22.73	39.14	1.581		
3,600.00	3,349.29	3,604.91	3,369.00	22.47	22.22	-139.03	-991.70	542.67	65.58	25.30	40.28	1.628		
3,700.00	3,438.96	3,695.01	3,460.21	23.21	22.86	-140.29	-1,027.62	562.03	69.31	28.02	41.30	1.678		
3,800.00	3,528.64	3,805.07	3,551.43	23.95	23.63	-141.42	-1,063.53	581.38	73.08	30.64	42.45	1.722		
3,900.00	3,618.31	3,905.15	3,642.64	24.69	24.34	-142.44	-1,099.45	600.73	76.88	33.33	43.54	1.766		
4,000.00	3,707.98	4,005.23	3,733.85	25.44	25.04	-143.36	-1,135.36	620.09	80.69	36.05	44.64	1.807		
4,100.00	3,797.65	4,094.69	3,825.06	26.18	25.67	-144.20	-1,171.27	639.44	84.53	38.84	45.69	1.850		
4,200.00	3,887.32	4,205.39	3,916.27	26.93	26.45	-144.97	-1,207.19	658.80	88.38	41.52	46.86	1.886		
4,300.00	3,976.99	4,305.47	4,007.48	27.68	27.16	-145.67	-1,243.10	678.15	92.24	44.27	47.98	1.923		
4,400.00	4,066.67	4,405.55	4,098.69	28.42	27.87	-146.32	-1,279.02	697.50	96.12	47.02	49.10	1.958		
4,500.00	4,156.34	4,494.37	4,189.90	29.17	28.50	-146.91	-1,314.93	716.86	100.01	49.86	50.15	1.994		
4,600.00	4,246.01	4,584.28	4,281.11	29.92	29.20	-147.46	-1,350.84	736.21	103.91	52.63	51.28	2.026		
4,700.00	4,335.68	4,705.80	4,372.33	30.67	29.99	-147.97	-1,386.76	755.56	107.82	55.34	52.48	2.055		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,425.35	4,794.12	4,463.54	31.42	30.62	-148.45	-1,422.67	774.92	111.74	58.19	53.54	2.087		
4,900.00	4,515.03	4,905.96	4,554.75	32.17	31.41	-148.89	-1,458.59	794.27	115.66	60.91	54.75	2.113		
5,000.00	4,604.70	5,006.04	4,645.96	32.92	32.12	-149.30	-1,494.50	813.63	119.59	63.70	55.89	2.140		
5,100.00	4,694.37	5,106.12	4,737.17	33.67	32.83	-149.69	-1,530.41	832.98	123.53	66.50	57.03	2.166		
5,200.00	4,784.04	5,206.20	4,828.38	34.42	33.54	-150.05	-1,566.33	852.33	127.47	69.30	58.17	2.191		
5,300.00	4,873.71	5,293.72	4,919.59	35.17	34.16	-150.40	-1,602.24	871.69	131.41	72.18	59.24	2.218		
5,400.00	4,963.38	5,406.36	5,010.80	35.92	34.96	-150.72	-1,638.16	891.04	135.36	74.91	60.46	2.239		
5,500.00	5,053.06	5,506.44	5,102.01	36.67	35.67	-151.02	-1,674.07	910.40	139.32	77.71	61.60	2.261		
5,600.00	5,142.73	5,606.52	5,193.22	37.43	36.39	-151.31	-1,709.98	929.75	143.28	80.52	62.75	2.283		
5,700.00	5,232.40	5,706.60	5,284.44	38.18	37.10	-151.58	-1,745.90	949.10	147.24	83.33	63.90	2.304		
5,800.00	5,322.07	5,806.69	5,375.65	38.93	37.81	-151.84	-1,781.81	968.46	151.20	86.15	65.06	2.324		
5,900.00	5,411.74	5,906.77	5,466.86	39.68	38.52	-152.08	-1,817.73	987.81	155.17	88.96	66.21	2.344		
6,000.00	5,501.42	6,006.85	5,558.07	40.44	39.23	-152.31	-1,853.64	1,007.16	159.14	91.78	67.36	2.362		
6,100.00	5,591.09	6,106.93	5,649.28	41.19	39.94	-152.53	-1,889.55	1,026.52	163.11	94.60	68.52	2.381		
6,200.00	5,680.76	6,207.01	5,740.49	41.94	40.66	-152.74	-1,925.47	1,045.87	167.09	97.41	69.67	2.398		
6,300.00	5,770.43	6,307.09	5,831.70	42.70	41.37	-152.94	-1,961.38	1,065.23	171.06	100.24	70.83	2.415		
6,400.00	5,860.10	6,392.83	5,922.91	43.45	41.98	-153.13	-1,997.30	1,084.58	175.04	103.14	71.90	2.434		
6,500.00	5,949.77	6,482.75	6,014.12	44.20	42.69	-153.32	-2,033.21	1,103.93	179.02	105.96	73.06	2.450		
6,600.00	6,039.45	6,572.67	6,105.33	44.96	43.40	-153.49	-2,069.12	1,123.29	183.01	108.79	74.22	2.466		
6,700.00	6,129.12	6,662.59	6,196.55	45.71	44.11	-153.66	-2,105.04	1,142.64	186.99	111.61	75.38	2.481		
6,800.00	6,218.79	6,807.49	6,287.76	46.46	44.93	-153.82	-2,140.95	1,162.00	190.98	114.35	76.63	2.492		
6,900.00	6,308.46	6,892.43	6,378.97	47.22	45.54	-153.97	-2,176.86	1,181.35	194.96	117.27	77.70	2.509		
6,969.86	6,371.11	6,962.39	6,442.99	47.75	46.03	-154.35	-2,202.07	1,193.98	197.74	119.31	78.43	2.521		
7,000.00	6,398.25	6,992.54	6,470.85	47.97	46.22	-160.19	-2,213.02	1,197.50	198.93	120.29	78.64	2.530		
7,050.00	6,443.70	7,042.37	6,517.15	48.31	46.52	-170.69	-2,231.21	1,200.21	200.97	122.00	78.97	2.545		
7,100.00	6,489.42	7,091.97	6,563.31	48.61	46.77	178.20	-2,249.32	1,199.02	203.06	123.78	79.28	2.561		
7,150.00	6,535.12	7,141.36	6,609.04	48.87	46.98	167.15	-2,267.24	1,194.02	205.19	125.62	79.58	2.579		
7,200.00	6,580.53	7,190.53	6,654.09	49.09	47.16	156.81	-2,284.87	1,185.27	207.35	127.47	79.87	2.596		
7,250.00	6,625.36	7,239.51	6,698.20	49.27	47.31	147.60	-2,302.11	1,172.87	209.51	129.33	80.18	2.613		
7,300.00	6,669.35	7,288.28	6,741.14	49.42	47.44	139.68	-2,318.87	1,156.93	211.66	131.17	80.49	2.630		
7,350.00	6,712.21	7,336.88	6,782.67	49.55	47.54	132.99	-2,335.05	1,137.60	213.79	132.97	80.82	2.645		
7,400.00	6,753.69	7,385.30	6,822.56	49.65	47.63	127.39	-2,350.58	1,115.01	215.87	134.70	81.16	2.660		
7,450.00	6,793.52	7,433.55	6,860.63	49.73	47.72	122.71	-2,365.36	1,089.33	217.88	136.35	81.53	2.672		
7,500.00	6,831.47	7,481.66	6,896.68	49.81	47.80	118.80	-2,379.34	1,060.72	219.82	137.90	81.93	2.683		
7,550.00	6,867.30	7,529.62	6,930.52	49.88	47.87	115.52	-2,392.44	1,029.37	221.67	139.31	82.36	2.691		
7,600.00	6,900.78	7,577.46	6,961.99	49.95	47.96	112.77	-2,404.59	995.46	223.40	140.56	82.84	2.697		
7,650.00	6,931.72	7,625.19	6,990.95	50.03	48.04	110.45	-2,415.74	959.22	225.01	141.63	83.38	2.699		
7,700.00	6,959.92	7,672.81	7,017.25	50.11	48.14	108.52	-2,425.83	920.83	226.48	142.49	83.99	2.696		
7,750.00	6,985.20	7,720.35	7,040.76	50.20	48.25	106.91	-2,434.82	880.52	227.81	143.12	84.69	2.690		
7,800.00	7,007.41	7,767.81	7,061.39	50.30	48.37	105.59	-2,442.67	838.51	228.98	143.50	85.48	2.679		
7,850.00	7,026.42	7,815.21	7,079.03	50.42	48.51	104.52	-2,449.33	795.04	229.98	143.61	86.37	2.663		
7,900.00	7,042.11	7,862.57	7,093.60	50.57	48.67	103.69	-2,454.79	750.32	230.80	143.44	87.36	2.642		
7,950.00	7,054.37	7,909.88	7,105.03	50.73	48.85	103.08	-2,459.00	704.61	231.44	142.98	88.46	2.616		
8,000.00	7,063.14	7,957.18	7,113.27	50.92	49.05	102.67	-2,461.96	658.14	231.90	142.24	89.65	2.587		
8,050.00	7,068.36	8,004.47	7,118.27	51.13	49.28	102.46	-2,463.64	611.16	232.17	141.23	90.94	2.553		
8,094.17	7,070.00	8,049.49	7,119.98	51.34	49.52	102.43	-2,464.07	569.52	232.24	140.07	92.18	2.520		
8,100.00	7,070.03	8,051.99	7,120.03	51.37	49.54	102.43	-2,464.05	563.69	232.25	139.97	92.28	2.517		
8,200.00	7,070.55	8,151.99	7,120.85	51.94	50.18	102.50	-2,463.78	463.69	232.29	137.45	94.84	2.449		
8,300.00	7,071.07	8,251.99	7,121.66	52.64	50.97	102.58	-2,463.50	363.69	232.34	134.70	97.64	2.379		
8,400.00	7,071.60	8,351.99	7,122.47	53.49	51.92	102.65	-2,463.23	263.70	232.38	131.71	100.68	2.308		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,500.00	7,072.12	8,451.99	7,123.29	54.50	53.04	102.72	-2,462.95	163.70	232.43	128.51	103.92	2.237		
8,600.00	7,072.64	8,551.99	7,124.10	55.69	54.33	102.79	-2,462.68	63.71	232.48	125.11	107.36	2.165		
8,700.00	7,073.17	8,651.99	7,124.91	57.04	55.79	102.86	-2,462.40	-36.29	232.52	121.55	110.98	2.095		
8,800.00	7,073.69	8,751.99	7,125.73	58.55	57.40	102.93	-2,462.13	-136.29	232.57	117.82	114.75	2.027		
8,900.00	7,074.21	8,851.99	7,126.54	60.21	59.14	103.00	-2,461.85	-236.28	232.62	113.96	118.66	1.960		
9,000.00	7,074.74	8,951.99	7,127.35	61.99	61.00	103.07	-2,461.58	-336.28	232.67	109.96	122.70	1.896		
9,100.00	7,075.26	9,051.98	7,128.17	63.88	62.96	103.14	-2,461.31	-436.27	232.71	105.86	126.86	1.834		
9,200.00	7,075.78	9,151.98	7,128.98	65.87	65.00	103.21	-2,461.03	-536.27	232.76	101.65	131.12	1.775		
9,300.00	7,076.30	9,251.98	7,129.80	67.95	67.12	103.28	-2,460.76	-636.26	232.81	97.34	135.47	1.719		
9,400.00	7,076.83	9,351.98	7,130.61	70.09	69.31	103.35	-2,460.48	-736.26	232.86	92.96	139.91	1.664		
9,500.00	7,077.35	9,451.98	7,131.42	72.30	71.56	103.42	-2,460.21	-836.26	232.91	88.49	144.42	1.613		
9,600.00	7,077.87	9,551.98	7,132.24	74.57	73.85	103.50	-2,459.93	-936.25	232.96	83.96	149.00	1.563		
9,700.00	7,078.40	9,651.98	7,133.05	76.88	76.19	103.57	-2,459.66	-1,036.25	233.01	79.36	153.65	1.517		
9,800.00	7,078.92	9,751.98	7,133.86	79.24	78.57	103.64	-2,459.38	-1,136.24	233.06	74.71	158.35	1.472 Level 3		
9,900.00	7,079.44	9,851.98	7,134.68	81.63	80.99	103.71	-2,459.11	-1,236.24	233.11	70.01	163.10	1.429 Level 3		
10,000.00	7,079.97	9,951.98	7,135.49	84.06	83.43	103.78	-2,458.83	-1,336.24	233.16	65.26	167.90	1.389 Level 3		
10,100.00	7,080.49	10,051.98	7,136.30	86.52	85.91	103.85	-2,458.56	-1,436.23	233.22	60.47	172.75	1.350 Level 3		
10,200.00	7,081.01	10,151.98	7,137.12	89.01	88.41	103.92	-2,458.28	-1,536.23	233.27	55.64	177.63	1.313 Level 3		
10,300.00	7,081.54	10,251.98	7,137.93	91.52	90.94	103.99	-2,458.01	-1,636.22	233.32	50.78	182.54	1.278 Level 3		
10,400.00	7,082.06	10,351.98	7,138.75	94.05	93.48	104.06	-2,457.74	-1,736.22	233.37	45.88	187.49	1.245 Level 2		
10,500.00	7,082.58	10,451.98	7,139.56	96.61	96.05	104.13	-2,457.46	-1,836.22	233.43	40.96	192.47	1.213 Level 2		
10,600.00	7,083.10	10,551.98	7,140.37	99.18	98.63	104.20	-2,457.19	-1,936.21	233.48	36.00	197.48	1.182 Level 2		
10,700.00	7,083.63	10,651.98	7,141.19	101.77	101.23	104.27	-2,456.91	-2,036.21	233.53	31.03	202.51	1.153 Level 2		
10,800.00	7,084.15	10,751.98	7,142.00	104.38	103.85	104.34	-2,456.64	-2,136.20	233.59	26.03	207.56	1.125 Level 2		
10,900.00	7,084.67	10,851.98	7,142.81	107.00	106.47	104.41	-2,456.36	-2,236.20	233.64	21.01	212.63	1.099 Level 2		
11,000.00	7,085.20	10,951.98	7,143.63	109.63	109.11	104.48	-2,456.09	-2,336.19	233.70	15.97	217.73	1.073 Level 2		
11,100.00	7,085.72	11,051.98	7,144.44	112.27	111.76	104.55	-2,455.81	-2,436.19	233.75	10.92	222.84	1.049 Level 2		
11,200.00	7,086.24	11,151.98	7,145.26	114.93	114.43	104.62	-2,455.54	-2,536.19	233.81	5.85	227.96	1.026 Level 2		
11,300.00	7,086.77	11,251.98	7,146.07	117.59	117.10	104.69	-2,455.26	-2,636.18	233.87	0.76	233.10	1.003 Level 2		
11,400.00	7,087.29	11,351.98	7,146.88	120.27	119.78	104.76	-2,454.99	-2,736.18	233.92	-4.33	238.26	0.982 Level 1		
11,500.00	7,087.81	11,451.97	7,147.70	122.95	122.47	104.83	-2,454.71	-2,836.17	233.98	-9.44	243.42	0.961 Level 1		
11,600.00	7,088.33	11,551.97	7,148.51	125.64	125.17	104.90	-2,454.44	-2,936.17	234.04	-14.56	248.60	0.941 Level 1		
11,700.00	7,088.86	11,651.97	7,149.32	128.34	127.87	104.97	-2,454.16	-3,036.17	234.09	-19.69	253.79	0.922 Level 1		
11,800.00	7,089.38	11,751.97	7,150.14	131.05	130.58	105.04	-2,453.89	-3,136.16	234.15	-24.83	258.98	0.904 Level 1		
11,900.00	7,089.90	11,851.97	7,150.95	133.76	133.30	105.11	-2,453.62	-3,236.16	234.21	-29.98	264.19	0.887 Level 1		
12,000.00	7,090.43	11,951.97	7,151.76	136.49	136.03	105.18	-2,453.34	-3,336.15	234.27	-35.14	269.41	0.870 Level 1		
12,100.00	7,090.95	12,051.97	7,152.58	139.21	138.76	105.25	-2,453.07	-3,436.15	234.33	-40.30	274.63	0.853 Level 1		
12,200.00	7,091.47	12,151.97	7,153.39	141.94	141.49	105.32	-2,452.79	-3,536.15	234.39	-45.47	279.85	0.838 Level 1		
12,300.00	7,092.00	12,251.97	7,154.21	144.68	144.23	105.39	-2,452.52	-3,636.14	234.45	-50.64	285.09	0.822 Level 1		
12,400.00	7,092.52	12,351.97	7,155.02	147.42	146.98	105.46	-2,452.24	-3,736.14	234.51	-55.82	290.33	0.808 Level 1		
12,500.00	7,093.04	12,451.97	7,155.83	150.17	149.73	105.53	-2,451.97	-3,836.13	234.57	-61.01	295.57	0.794 Level 1		
12,600.00	7,093.57	12,551.97	7,156.65	152.92	152.48	105.60	-2,451.69	-3,936.13	234.63	-66.20	300.82	0.780 Level 1		
12,700.00	7,094.09	12,651.97	7,157.46	155.67	155.24	105.67	-2,451.42	-4,036.12	234.69	-71.39	306.08	0.767 Level 1		
12,800.00	7,094.61	12,751.97	7,158.27	158.43	158.00	105.74	-2,451.14	-4,136.12	234.75	-76.59	311.33	0.754 Level 1		
12,900.00	7,095.13	12,851.97	7,159.09	161.19	160.77	105.81	-2,450.87	-4,236.12	234.81	-81.78	316.59	0.742 Level 1		
13,000.00	7,095.66	12,951.97	7,159.90	163.96	163.53	105.87	-2,450.59	-4,336.11	234.87	-86.99	321.86	0.730 Level 1		
13,100.00	7,096.18	13,051.97	7,160.71	166.73	166.31	105.94	-2,450.32	-4,436.11	234.93	-92.19	327.12	0.718 Level 1		
13,200.00	7,096.70	13,151.97	7,161.53	169.50	169.08	106.01	-2,450.04	-4,536.10	235.00	-97.40	332.39	0.707 Level 1		
13,256.62	7,097.00	13,208.58	7,161.99	171.07	170.65	106.05	-2,449.89	-4,592.72	235.03	-100.34	335.38	0.701 Level 1, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	0.49	195.27	1.67	195.28					
100.00	100.00	100.00	100.00	3.28	3.28	0.49	195.27	1.67	195.28	188.71	6.57	29.726		
200.00	200.00	200.00	200.00	3.34	3.34	0.49	195.27	1.67	195.28	188.61	6.67	29.259		
265.64	265.64	265.64	265.64	3.40	3.40	0.71	195.26	2.42	195.28	188.48	6.80	28.708 CC		
300.00	300.00	299.99	299.97	3.44	3.44	1.00	195.25	3.41	195.28	188.39	6.89	28.354 ES		
400.00	399.98	399.76	399.60	3.60	3.60	-151.19	195.19	8.63	196.90	189.71	7.19	27.375		
500.00	499.84	499.16	498.62	3.79	3.80	-149.39	195.08	17.27	201.82	194.24	7.59	26.604		
600.00	599.45	597.98	596.70	4.02	4.05	-147.22	194.93	29.27	210.17	202.11	8.06	26.063		
700.00	698.70	696.05	693.57	4.29	4.33	-144.82	194.74	44.50	222.08	213.46	8.62	25.773		
800.00	797.47	793.18	788.95	4.59	4.64	-142.31	194.51	62.86	237.62	228.38	9.24	25.727		
900.00	895.62	889.98	883.40	4.93	4.99	-139.86	194.25	84.07	256.78	246.86	9.92	25.898		
1,000.00	993.06	987.24	978.16	5.31	5.36	-138.01	193.98	105.92	278.94	268.29	10.65	26.198		
1,100.00	1,089.64	1,084.01	1,072.47	5.72	5.76	-136.81	193.71	127.66	303.74	292.32	11.42	26.594		
1,200.00	1,185.27	1,180.20	1,166.19	6.16	6.17	-136.12	193.44	149.27	331.03	318.80	12.23	27.062		
1,300.00	1,279.82	1,275.67	1,259.23	6.64	6.59	-135.84	193.18	170.72	360.74	347.67	13.08	27.589		
1,400.00	1,373.17	1,370.32	1,351.46	7.16	7.02	-135.87	192.91	191.99	392.85	378.90	13.95	28.167		
1,500.00	1,465.21	1,464.03	1,442.77	7.71	7.45	-136.13	192.65	213.04	427.36	412.52	14.84	28.790		
1,600.00	1,555.84	1,556.68	1,533.05	8.31	7.89	-136.55	192.39	233.86	464.32	448.55	15.76	29.458		
1,613.50	1,567.96	1,569.10	1,545.15	8.39	7.94	-136.61	192.36	236.65	469.49	453.60	15.89	29.544		
1,700.00	1,645.53	1,648.62	1,622.64	8.93	8.32	-137.47	192.14	254.51	502.86	486.17	16.70	30.120		
1,800.00	1,735.20	1,740.55	1,712.22	9.58	8.76	-138.34	191.88	275.17	541.54	523.90	17.64	30.701		
1,900.00	1,824.87	1,832.48	1,801.79	10.25	9.21	-139.09	191.63	295.82	580.31	561.72	18.60	31.205		
2,000.00	1,914.54	1,924.41	1,891.37	10.92	9.66	-139.75	191.37	316.47	619.16	599.59	19.57	31.644		
2,100.00	2,004.21	2,016.33	1,980.95	11.61	10.11	-140.32	191.11	337.13	658.07	637.52	20.55	32.030		
2,200.00	2,093.89	2,108.26	2,070.53	12.30	10.57	-140.84	190.86	357.78	697.03	675.49	21.53	32.371		
2,300.00	2,183.56	2,200.19	2,160.10	13.01	11.03	-141.30	190.60	378.43	736.03	713.50	22.53	32.674		
2,400.00	2,273.23	2,307.88	2,249.68	13.71	11.57	-141.71	190.35	399.09	775.07	751.46	23.61	32.833		
2,500.00	2,362.90	2,384.04	2,339.26	14.43	11.95	-142.09	190.09	419.74	814.13	789.60	24.53	33.185		
2,600.00	2,452.57	2,475.97	2,428.83	15.14	12.42	-142.43	189.83	440.39	853.23	827.69	25.54	33.403		
2,700.00	2,542.25	2,567.90	2,518.41	15.87	12.88	-142.74	189.58	461.05	892.35	865.79	26.56	33.600		
2,800.00	2,631.92	2,659.83	2,607.99	16.59	13.35	-143.02	189.32	481.70	931.49	903.91	27.58	33.778		
2,900.00	2,721.59	2,751.76	2,697.57	17.32	13.82	-143.29	189.07	502.35	970.64	942.05	28.60	33.940		
3,000.00	2,811.26	2,843.68	2,787.14	18.05	14.29	-143.53	188.81	523.01	1,009.82	980.19	29.62	34.089		
3,100.00	2,900.93	2,935.61	2,876.72	18.78	14.76	-143.75	188.55	543.66	1,049.00	1,018.35	30.65	34.224		
3,200.00	2,990.60	3,027.54	2,966.30	19.51	15.23	-143.96	188.30	564.31	1,088.20	1,056.52	31.68	34.349		
3,300.00	3,080.28	3,119.47	3,055.88	20.25	15.70	-144.15	188.04	584.97	1,127.42	1,094.70	32.71	34.464		
3,400.00	3,169.95	3,211.39	3,145.45	20.99	16.17	-144.33	187.79	605.62	1,166.64	1,132.89	33.75	34.571		
3,500.00	3,259.62	3,303.32	3,235.03	21.73	16.65	-144.50	187.53	626.27	1,205.87	1,171.08	34.78	34.669		
3,600.00	3,349.29	3,404.75	3,324.61	22.47	17.17	-144.66	187.27	646.93	1,245.10	1,209.24	35.87	34.713		
3,700.00	3,438.96	3,487.18	3,414.19	23.21	17.59	-144.80	187.02	667.58	1,284.35	1,247.49	36.86	34.846		
3,800.00	3,528.64	3,579.11	3,503.76	23.95	18.07	-144.94	186.76	688.23	1,323.60	1,285.71	37.90	34.925		
3,900.00	3,618.31	3,671.03	3,593.34	24.69	18.54	-145.07	186.51	708.89	1,362.86	1,323.92	38.94	35.000		
4,000.00	3,707.98	3,762.96	3,682.92	25.44	19.02	-145.20	186.25	729.54	1,402.13	1,362.14	39.98	35.069		
4,100.00	3,797.65	3,854.89	3,772.50	26.18	19.50	-145.32	185.99	750.19	1,441.40	1,400.37	41.03	35.134		
4,200.00	3,887.32	3,946.82	3,862.07	26.93	19.97	-145.43	185.74	770.85	1,480.67	1,438.60	42.07	35.195		
4,300.00	3,976.96	4,038.75	3,951.65	27.68	20.45	-145.53	185.48	791.50	1,519.95	1,476.83	43.12	35.253		
4,400.00	4,066.67	4,130.67	4,041.23	28.42	20.93	-145.63	185.22	812.15	1,559.23	1,515.07	44.16	35.307		
4,500.00	4,156.34	4,222.60	4,130.80	29.17	21.41	-145.73	184.97	832.81	1,598.52	1,553.31	45.21	35.358		
4,600.00	4,246.01	4,314.53	4,220.38	29.92	21.88	-145.82	184.71	853.46	1,637.81	1,591.55	46.26	35.407		
4,700.00	4,335.68	4,406.46	4,309.96	30.67	22.36	-145.90	184.46	874.11	1,677.11	1,629.80	47.31	35.452		
4,800.00	4,425.35	4,501.62	4,399.54	31.42	22.86	-145.99	184.20	894.77	1,716.40	1,668.03	48.37	35.483		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,515.03	4,609.69	4,489.11	32.17	23.42	-146.06	183.94	915.42	1,755.70	1,706.20	49.51	35.464			
5,000.00	4,604.70	4,682.24	4,578.69	32.92	23.80	-146.14	183.69	936.07	1,795.00	1,744.55	50.46	35.576			
5,100.00	4,694.37	4,774.17	4,668.27	33.67	24.28	-146.21	183.43	956.73	1,834.31	1,782.80	51.51	35.613			
5,200.00	4,784.04	4,866.10	4,757.85	34.42	24.76	-146.28	183.18	977.38	1,873.62	1,821.06	52.56	35.648			
5,300.00	4,873.71	4,958.02	4,847.42	35.17	25.24	-146.35	182.92	998.03	1,912.93	1,859.32	53.61	35.682			
5,400.00	4,963.38	5,049.95	4,937.00	35.92	25.72	-146.41	182.66	1,018.69	1,952.24	1,897.57	54.66	35.714			
5,500.00	5,053.06	5,141.88	5,026.58	36.67	26.20	-146.47	182.41	1,039.34	1,991.55	1,935.83	55.72	35.744			
5,600.00	5,142.73	5,233.81	5,116.16	37.43	26.68	-146.53	182.15	1,059.99	2,030.87	1,974.10	56.77	35.773			
5,700.00	5,232.40	5,325.73	5,205.73	38.18	27.16	-146.59	181.90	1,080.65	2,070.18	2,012.36	57.82	35.801			
5,800.00	5,322.07	5,417.66	5,295.31	38.93	27.64	-146.64	181.64	1,101.30	2,109.50	2,050.62	58.88	35.828			
5,900.00	5,411.74	5,509.59	5,384.89	39.68	28.12	-146.69	181.38	1,121.95	2,148.82	2,088.89	59.93	35.853			
6,000.00	5,501.42	5,602.33	5,475.27	40.44	28.60	-146.74	181.13	1,142.73	2,188.14	2,127.15	61.00	35.873			
6,100.00	5,591.09	5,698.23	5,569.20	41.19	29.09	-146.86	180.89	1,162.07	2,227.35	2,165.28	62.07	35.886			
6,200.00	5,680.76	5,793.90	5,663.49	41.94	29.54	-147.06	180.69	1,178.22	2,266.41	2,203.31	63.10	35.917			
6,300.00	5,770.43	5,889.14	5,757.83	42.70	29.98	-147.33	180.53	1,191.16	2,305.34	2,241.25	64.09	35.969			
6,400.00	5,860.10	5,983.72	5,851.91	43.45	30.38	-147.67	180.41	1,200.91	2,344.20	2,279.15	65.04	36.040			
6,500.00	5,949.77	6,077.47	5,945.42	44.20	30.77	-148.09	180.32	1,207.50	2,383.01	2,317.06	65.96	36.131			
6,600.00	6,039.45	6,170.18	6,038.07	44.96	31.13	-148.55	180.28	1,211.00	2,421.85	2,355.02	66.83	36.241			
6,700.00	6,129.12	6,261.24	6,129.12	45.71	31.47	-149.07	180.27	1,211.67	2,460.76	2,393.11	67.65	36.372			
6,800.00	6,218.79	6,350.91	6,218.79	46.46	31.79	-149.58	180.27	1,211.67	2,499.84	2,431.38	68.46	36.515			
6,900.00	6,308.46	6,440.58	6,308.46	47.22	32.12	-150.07	180.27	1,211.67	2,539.08	2,469.82	69.27	36.655			
6,969.86	6,371.11	6,503.23	6,371.11	47.75	32.35	-150.41	180.27	1,211.67	2,566.60	2,496.77	69.84	36.752			
7,000.00	6,398.25	6,530.37	6,398.25	47.97	32.45	-156.92	180.27	1,211.67	2,578.55	2,508.47	70.08	36.795			
7,050.00	6,443.70	6,575.82	6,443.70	48.31	32.61	-168.51	180.27	1,211.67	2,598.57	2,528.09	70.48	36.870			
7,100.00	6,489.42	6,621.54	6,489.42	48.61	32.78	179.35	180.27	1,211.67	2,618.71	2,547.83	70.88	36.947			
7,150.00	6,535.12	6,667.24	6,535.12	48.87	32.95	167.34	180.27	1,211.67	2,638.84	2,567.57	71.27	37.026			
7,200.00	6,580.53	6,712.65	6,580.53	49.09	33.12	156.11	180.27	1,211.67	2,658.84	2,587.18	71.66	37.101			
7,250.00	6,625.36	6,754.42	6,622.30	49.27	33.27	146.06	180.29	1,211.42	2,678.64	2,606.61	72.03	37.187			
7,300.00	6,669.35	6,792.83	6,660.64	49.42	33.40	137.30	180.40	1,209.18	2,698.21	2,625.84	72.37	37.284			
7,350.00	6,712.21	6,831.70	6,699.22	49.55	33.54	129.79	180.63	1,204.57	2,717.46	2,644.74	72.72	37.369			
7,400.00	6,753.69	6,871.12	6,738.00	49.65	33.68	123.40	180.99	1,197.51	2,736.30	2,663.21	73.09	37.438			
7,450.00	6,793.52	6,911.23	6,776.92	49.73	33.83	117.96	181.48	1,187.87	2,754.60	2,681.12	73.49	37.485			
7,500.00	6,831.47	6,952.13	6,815.91	49.81	34.00	113.33	182.11	1,175.55	2,772.29	2,698.37	73.92	37.506			
7,550.00	6,867.30	6,993.95	6,854.87	49.88	34.17	109.38	182.88	1,160.38	2,789.25	2,714.86	74.39	37.497			
7,600.00	6,900.78	7,036.84	6,893.70	49.95	34.37	106.01	183.80	1,142.22	2,805.40	2,730.50	74.90	37.453			
7,650.00	6,931.72	7,080.94	6,932.26	50.03	34.58	103.14	184.88	1,120.86	2,820.64	2,745.17	75.47	37.373			
7,700.00	6,959.92	7,126.41	6,970.36	50.11	34.81	100.70	186.14	1,096.10	2,834.90	2,758.80	76.10	37.251			
7,750.00	6,985.20	7,173.40	7,007.78	50.20	35.08	98.65	187.58	1,067.73	2,848.09	2,771.29	76.80	37.085			
7,800.00	7,007.41	7,222.08	7,044.23	50.30	35.38	96.95	189.22	1,035.51	2,860.12	2,782.56	77.57	36.874			
7,850.00	7,026.42	7,272.62	7,079.34	50.42	35.73	95.57	191.06	999.23	2,870.94	2,792.52	78.41	36.614			
7,900.00	7,042.11	7,325.18	7,112.68	50.57	36.12	94.49	193.12	958.67	2,880.45	2,801.11	79.34	36.304			
7,950.00	7,054.37	7,379.89	7,143.71	50.73	36.58	93.70	195.40	913.68	2,888.61	2,808.25	80.36	35.946			
8,000.00	7,063.14	7,436.90	7,171.79	50.92	37.10	93.17	197.91	864.16	2,895.34	2,813.87	81.47	35.538			
8,050.00	7,068.36	7,496.29	7,196.22	51.13	37.70	92.90	200.66	810.12	2,900.59	2,817.92	82.67	35.086			
8,094.17	7,070.00	7,550.76	7,214.10	51.34	38.29	92.87	203.27	758.75	2,903.96	2,820.15	83.81	34.649			
8,100.00	7,070.03	7,558.10	7,216.17	51.37	38.38	92.91	203.62	751.71	2,904.32	2,820.35	83.97	34.589			
8,200.00	7,070.55	7,689.98	7,239.30	51.94	39.99	93.34	210.19	622.29	2,910.04	2,823.22	86.81	33.520			
8,300.00	7,071.07	7,801.97	7,241.11	52.64	41.50	93.36	215.87	510.48	2,914.85	2,825.17	89.69	32.501			
8,400.00	7,071.60	7,901.86	7,241.28	53.49	42.99	93.35	220.93	410.72	2,919.60	2,826.89	92.71	31.492			
8,500.00	7,072.12	8,001.74	7,241.44	54.50	44.62	93.34	226.00	310.97	2,924.35	2,828.37	95.98	30.468			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	8,101.63	7,241.61	55.69	46.37	93.33	231.06	211.21	2,929.10	2,829.63	99.47	29.446		
8,700.00	7,073.17	8,201.51	7,241.77	57.04	48.23	93.31	236.13	111.45	2,933.85	2,830.68	103.17	28.437		
8,800.00	7,073.69	8,301.40	7,241.94	58.55	50.19	93.30	241.19	11.70	2,938.60	2,831.56	107.04	27.453		
8,900.00	7,074.21	8,401.28	7,242.11	60.21	52.22	93.29	246.26	-88.06	2,943.35	2,832.28	111.07	26.499		
9,000.00	7,074.74	8,501.17	7,242.27	61.99	54.34	93.28	251.32	-187.82	2,948.10	2,832.85	115.25	25.580		
9,100.00	7,075.26	8,601.05	7,242.44	63.88	56.52	93.26	256.38	-287.57	2,952.85	2,833.30	119.55	24.699		
9,200.00	7,075.78	8,700.94	7,242.61	65.87	58.76	93.25	261.45	-387.33	2,957.60	2,833.63	123.97	23.857		
9,300.00	7,076.30	8,800.82	7,242.77	67.95	61.05	93.24	266.51	-487.09	2,962.35	2,833.86	128.49	23.054		
9,400.00	7,076.83	8,900.71	7,242.94	70.09	63.39	93.23	271.58	-586.84	2,967.10	2,833.99	133.11	22.291		
9,500.00	7,077.35	9,000.59	7,243.11	72.30	65.77	93.22	276.64	-686.60	2,971.85	2,834.05	137.80	21.566		
9,600.00	7,077.87	9,100.48	7,243.27	74.57	68.19	93.20	281.71	-786.36	2,976.60	2,834.03	142.58	20.877		
9,700.00	7,078.40	9,200.37	7,243.44	76.88	70.64	93.19	286.77	-886.11	2,981.35	2,833.94	147.41	20.224		
9,800.00	7,078.92	9,300.25	7,243.60	79.24	73.12	93.18	291.84	-985.87	2,986.10	2,833.79	152.31	19.605		
9,900.00	7,079.44	9,400.14	7,243.77	81.63	75.63	93.17	296.90	-1,085.62	2,990.85	2,833.58	157.27	19.017		
10,000.00	7,079.97	9,500.02	7,243.94	84.06	78.17	93.16	301.96	-1,185.38	2,995.60	2,833.33	162.27	18.460		
10,100.00	7,080.49	9,600.09	7,244.10	86.52	80.73	93.14	307.03	-1,285.14	3,000.35	2,833.02	167.33	17.931		
10,200.00	7,081.01	9,700.21	7,244.27	89.01	83.32	93.13	312.09	-1,384.89	3,005.11	2,832.68	172.43	17.428		
10,300.00	7,081.54	9,800.32	7,244.44	91.52	85.92	93.12	317.16	-1,484.65	3,009.86	2,832.29	177.57	16.951		
10,400.00	7,082.06	9,900.44	7,244.60	94.05	88.54	93.11	322.22	-1,584.41	3,014.61	2,831.87	182.74	16.497		
10,500.00	7,082.58	9,999.45	7,244.77	96.61	91.14	93.10	327.29	-1,684.16	3,019.36	2,831.45	187.92	16.068		
10,600.00	7,083.10	10,100.67	7,244.93	99.18	93.82	93.09	332.35	-1,783.92	3,024.11	2,830.93	193.18	15.655		
10,700.00	7,083.63	10,200.78	7,245.10	101.77	96.49	93.07	337.41	-1,883.68	3,028.86	2,830.42	198.44	15.263		
10,800.00	7,084.15	10,300.90	7,245.27	104.38	99.16	93.06	342.48	-1,983.43	3,033.62	2,829.89	203.73	14.891		
10,900.00	7,084.67	10,401.01	7,245.43	107.00	101.84	93.05	347.54	-2,083.19	3,038.37	2,829.33	209.04	14.535		
11,000.00	7,085.20	10,498.87	7,245.60	109.63	104.48	93.04	352.61	-2,182.95	3,043.12	2,828.81	214.31	14.200		
11,100.00	7,085.72	10,598.76	7,245.77	112.27	107.18	93.03	357.67	-2,282.70	3,047.87	2,828.22	219.65	13.876		
11,200.00	7,086.24	10,701.36	7,245.93	114.93	109.96	93.02	362.74	-2,382.46	3,052.63	2,827.54	225.09	13.562		
11,300.00	7,086.77	10,801.47	7,246.10	117.59	112.68	93.00	367.80	-2,482.22	3,057.38	2,826.90	230.47	13.266		
11,400.00	7,087.29	10,901.59	7,246.26	120.27	115.41	92.99	372.87	-2,581.97	3,062.13	2,826.25	235.88	12.982		
11,500.00	7,087.81	10,998.30	7,246.43	122.95	118.05	92.98	377.93	-2,681.73	3,066.88	2,825.68	241.20	12.715		
11,600.00	7,088.33	11,101.82	7,246.60	125.64	120.89	92.97	382.99	-2,781.49	3,071.64	2,824.91	246.73	12.449		
11,700.00	7,088.86	11,201.93	7,246.76	128.34	123.64	92.96	388.06	-2,881.24	3,076.39	2,824.22	252.17	12.199		
11,800.00	7,089.38	11,297.95	7,246.93	131.05	126.28	92.95	393.12	-2,981.00	3,081.14	2,823.62	257.52	11.965		
11,900.00	7,089.90	11,394.01	7,247.10	133.76	128.92	92.94	398.19	-3,080.76	3,085.89	2,822.93	262.87	11.731		
12,000.00	7,090.43	11,491.14	7,247.27	136.49	131.60	92.93	403.26	-3,180.51	3,090.64	2,822.24	268.22	11.497		
12,100.00	7,090.95	11,588.27	7,247.43	139.21	134.28	92.92	408.33	-3,280.26	3,095.39	2,821.55	273.57	11.263		
12,200.00	7,091.47	11,685.40	7,247.60	141.94	136.96	92.91	413.40	-3,380.01	3,100.14	2,820.86	278.92	11.029		
12,300.00	7,092.00	11,782.53	7,247.76	144.68	139.64	92.90	418.47	-3,479.76	3,104.89	2,820.17	284.27	10.795		
12,400.00	7,092.52	11,879.66	7,247.93	147.42	142.32	92.89	423.54	-3,579.51	3,109.64	2,819.48	289.62	10.561		
12,500.00	7,093.04	11,976.79	7,248.10	150.17	145.00	92.88	428.61	-3,679.26	3,114.39	2,818.79	294.97	10.327		
12,600.00	7,093.57	12,073.92	7,248.26	152.92	147.68	92.87	433.68	-3,779.01	3,119.14	2,818.10	300.32	10.093		
12,700.00	7,094.09	12,171.05	7,248.43	155.67	150.36	92.86	438.75	-3,878.76	3,123.89	2,817.41	305.67	9.859		
12,800.00	7,094.61	12,268.18	7,248.60	158.43	153.04	92.85	443.82	-3,978.51	3,128.64	2,816.72	311.02	9.625		
12,900.00	7,095.13	12,365.31	7,248.77	161.19	155.72	92.84	448.89	-4,078.26	3,133.39	2,816.03	316.37	9.391		
13,000.00	7,095.66	12,462.44	7,248.93	163.96	158.40	92.83	453.96	-4,178.01	3,138.14	2,815.34	321.72	9.157		
13,100.00	7,096.18	12,559.57	7,249.10	166.73	161.08	92.82	459.03	-4,277.76	3,142.89	2,814.65	327.07	8.923		
13,200.00	7,096.70	12,656.70	7,249.27	169.50	163.76	92.81	464.10	-4,377.51	3,147.64	2,813.96	332.42	8.689		
13,256.62	7,097.00	12,700.00	7,250.00	171.07	173.67	92.89	469.99	-4,699.67	3,028.46	2,684.53	343.93	8.805 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.45	210.20	1.67	210.21					
100.00	100.00	100.00	100.00	3.28	3.28	0.45	210.20	1.67	210.21	203.64	6.57	31.999		
200.00	200.00	200.00	200.00	3.34	3.34	0.45	210.20	1.67	210.21	203.54	6.67	31.497 CC, ES		
300.00	300.00	298.65	298.63	3.44	3.44	0.91	210.50	3.34	210.53	203.64	6.89	30.572		
400.00	399.98	397.07	396.92	3.60	3.60	-151.43	211.38	8.34	213.10	205.91	7.19	29.631		
500.00	499.84	495.05	494.53	3.79	3.80	-149.85	212.84	16.62	219.57	211.98	7.58	28.949		
600.00	599.45	592.34	591.11	4.02	4.03	-147.97	214.86	28.08	230.03	221.97	8.06	28.536		
700.00	698.70	688.70	686.33	4.29	4.31	-145.91	217.43	42.62	244.56	235.95	8.61	28.406		
800.00	797.47	783.91	779.88	4.59	4.61	-143.77	220.50	60.07	263.20	253.98	9.22	28.549		
900.00	895.62	881.08	875.03	4.93	4.95	-141.91	223.93	79.49	285.40	275.51	9.89	28.869		
1,000.00	993.06	977.78	969.71	5.31	5.31	-140.64	227.33	98.82	310.40	299.80	10.60	29.289		
1,100.00	1,089.64	1,073.85	1,063.78	5.72	5.69	-139.86	230.72	118.02	338.05	326.70	11.35	29.790		
1,200.00	1,185.27	1,169.18	1,157.12	6.16	6.08	-139.47	234.08	137.07	368.26	356.13	12.13	30.357		
1,300.00	1,279.82	1,263.63	1,249.61	6.64	6.48	-139.38	237.41	155.95	401.00	388.06	12.94	30.981		
1,400.00	1,373.17	1,357.11	1,341.15	7.16	6.89	-139.51	240.70	174.64	436.26	422.48	13.78	31.656		
1,500.00	1,465.21	1,449.49	1,431.61	7.71	7.30	-139.80	243.96	193.10	474.05	459.41	14.64	32.379		
1,600.00	1,555.84	1,540.67	1,520.89	8.31	7.71	-140.19	247.17	211.33	514.39	498.87	15.52	33.146		
1,613.50	1,567.96	1,552.88	1,532.84	8.39	7.76	-140.25	247.60	213.77	520.03	504.39	15.64	33.244		
1,700.00	1,645.53	1,631.04	1,609.38	8.93	8.12	-141.09	250.36	229.39	556.39	539.98	16.41	33.907		
1,800.00	1,735.20	1,721.40	1,697.85	9.58	8.53	-141.93	253.54	247.45	598.53	581.22	17.31	34.579		
1,900.00	1,824.87	1,811.76	1,786.33	10.25	8.96	-142.66	256.73	265.51	640.76	622.54	18.22	35.164		
2,000.00	1,914.54	1,902.12	1,874.81	10.92	9.38	-143.31	259.91	283.57	683.07	663.92	19.15	35.676		
2,100.00	2,004.21	2,007.53	1,963.29	11.61	9.88	-143.87	263.10	301.63	725.44	705.29	20.15	35.999		
2,200.00	2,093.89	2,082.83	2,051.76	12.30	10.24	-144.38	266.28	319.69	767.86	746.84	21.02	36.526		
2,300.00	2,183.56	2,173.19	2,140.24	13.01	10.67	-144.83	269.47	337.75	810.33	788.36	21.97	36.881		
2,400.00	2,273.23	2,263.55	2,228.72	13.71	11.10	-145.24	272.65	355.81	852.84	829.91	22.93	37.198		
2,500.00	2,362.90	2,353.91	2,317.20	14.43	11.54	-145.61	275.83	373.87	895.37	871.49	23.89	37.483		
2,600.00	2,452.57	2,444.27	2,405.68	15.14	11.97	-145.94	279.02	391.93	937.94	913.08	24.85	37.740		
2,700.00	2,542.25	2,534.62	2,494.15	15.87	12.41	-146.25	282.20	409.99	980.52	954.70	25.82	37.973		
2,800.00	2,631.92	2,624.98	2,582.63	16.59	12.85	-146.53	285.39	428.05	1,023.13	996.34	26.79	38.184		
2,900.00	2,721.59	2,715.34	2,671.11	17.32	13.29	-146.79	288.57	446.11	1,065.76	1,037.99	27.77	38.376		
3,000.00	2,811.26	2,805.70	2,759.59	18.05	13.74	-147.03	291.76	464.17	1,108.41	1,079.66	28.75	38.552		
3,100.00	2,900.93	2,903.94	2,848.06	18.78	14.22	-147.25	294.94	482.23	1,151.07	1,121.29	29.77	38.663		
3,200.00	2,990.60	2,986.42	2,936.54	19.51	14.62	-147.46	298.13	500.29	1,193.74	1,163.02	30.72	38.862		
3,300.00	3,080.28	3,076.77	3,025.02	20.25	15.07	-147.65	301.31	518.35	1,236.42	1,204.72	31.70	38.999		
3,400.00	3,169.95	3,167.13	3,113.50	20.99	15.51	-147.82	304.49	536.41	1,279.12	1,246.42	32.69	39.126		
3,500.00	3,259.62	3,257.49	3,201.97	21.73	15.96	-147.99	307.68	554.48	1,321.82	1,288.14	33.68	39.243		
3,600.00	3,349.29	3,347.85	3,290.45	22.47	16.40	-148.15	310.86	572.54	1,364.53	1,329.86	34.67	39.352		
3,700.00	3,438.96	3,438.21	3,378.93	23.21	16.85	-148.30	314.05	590.60	1,407.25	1,371.58	35.67	39.454		
3,800.00	3,528.64	3,528.57	3,467.41	23.95	17.30	-148.43	317.23	608.66	1,449.98	1,413.32	36.66	39.548		
3,900.00	3,618.31	3,618.92	3,555.89	24.69	17.75	-148.56	320.42	626.72	1,492.71	1,455.05	37.66	39.637		
4,000.00	3,707.98	3,709.28	3,644.36	25.44	18.20	-148.69	323.60	644.78	1,535.45	1,496.80	38.66	39.720		
4,100.00	3,797.65	3,800.36	3,732.84	26.18	18.65	-148.80	326.79	662.84	1,578.20	1,538.54	39.66	39.794		
4,200.00	3,887.32	3,890.00	3,821.32	26.93	19.10	-148.91	329.97	680.90	1,620.95	1,580.30	40.66	39.871		
4,300.00	3,976.99	3,980.36	3,909.80	27.68	19.54	-149.02	333.16	698.96	1,663.71	1,622.05	41.66	39.940		
4,400.00	4,066.67	4,070.72	3,998.27	28.42	19.99	-149.12	336.34	717.02	1,706.47	1,663.81	42.66	40.004		
4,500.00	4,156.34	4,161.07	4,086.75	29.17	20.45	-149.21	339.52	735.08	1,749.23	1,705.57	43.66	40.066		
4,600.00	4,246.01	4,251.43	4,175.23	29.92	20.90	-149.30	342.71	753.14	1,792.00	1,747.33	44.66	40.123		
4,700.00	4,335.68	4,341.79	4,263.71	30.67	21.35	-149.39	345.89	771.20	1,834.77	1,789.10	45.67	40.178		
4,800.00	4,425.35	4,432.15	4,352.19	31.42	21.80	-149.47	349.08	789.26	1,877.54	1,830.87	46.67	40.230		
4,900.00	4,515.03	4,522.51	4,440.66	32.17	22.25	-149.55	352.26	807.32	1,920.32	1,872.64	47.68	40.279		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,612.87	4,529.14	32.92	22.70	-149.62	355.45	825.38	1,963.10	1,914.42	48.68	40.326					
5,100.00	4,694.37	4,703.22	4,617.62	33.67	23.15	-149.70	358.63	843.44	2,005.88	1,956.19	49.69	40.370					
5,200.00	4,784.04	4,806.42	4,706.10	34.42	23.67	-149.76	361.82	861.50	2,048.66	1,997.91	50.76	40.361					
5,300.00	4,873.71	4,883.94	4,794.57	35.17	24.06	-149.83	365.00	879.56	2,091.45	2,039.75	51.70	40.452					
5,400.00	4,963.38	4,974.30	4,883.05	35.92	24.51	-149.89	368.19	897.62	2,134.24	2,081.53	52.71	40.491					
5,500.00	5,053.06	5,064.66	4,971.53	36.67	24.96	-149.95	371.37	915.68	2,177.03	2,123.31	53.72	40.527					
5,600.00	5,142.73	5,155.02	5,060.01	37.43	25.42	-150.01	374.55	933.74	2,219.82	2,165.10	54.73	40.562					
5,700.00	5,232.40	5,245.37	5,148.49	38.18	25.87	-150.07	377.74	951.80	2,262.62	2,206.88	55.74	40.595					
5,800.00	5,322.07	5,335.73	5,236.96	38.93	26.32	-150.12	380.92	969.86	2,305.42	2,248.67	56.75	40.627					
5,900.00	5,411.74	5,426.09	5,325.44	39.68	26.77	-150.18	384.11	987.92	2,348.22	2,290.46	57.76	40.657					
6,000.00	5,501.42	5,516.45	5,413.92	40.44	27.23	-150.23	387.29	1,005.98	2,391.02	2,332.25	58.77	40.687					
6,100.00	5,591.09	5,606.81	5,502.40	41.19	27.68	-150.27	390.48	1,024.04	2,433.82	2,374.04	59.78	40.715					
6,200.00	5,680.76	5,702.83	5,590.87	41.94	28.16	-150.32	393.66	1,042.10	2,476.62	2,415.80	60.82	40.722					
6,300.00	5,770.43	5,787.52	5,679.35	42.70	28.59	-150.37	396.85	1,060.17	2,519.42	2,457.62	61.80	40.767					
6,400.00	5,860.10	5,877.88	5,767.83	43.45	29.04	-150.41	400.03	1,078.23	2,562.23	2,499.42	62.81	40.792					
6,500.00	5,949.77	5,968.24	5,856.31	44.20	29.50	-150.45	403.22	1,096.29	2,605.04	2,541.21	63.82	40.815					
6,600.00	6,039.45	6,058.60	5,944.78	44.96	29.95	-150.49	406.40	1,114.35	2,647.84	2,583.01	64.84	40.838					
6,700.00	6,129.12	6,148.96	6,033.26	45.71	30.40	-150.53	409.58	1,132.41	2,690.65	2,624.80	65.85	40.860					
6,800.00	6,218.79	6,239.32	6,121.74	46.46	30.86	-150.57	412.77	1,150.47	2,733.46	2,666.60	66.86	40.881					
6,900.00	6,308.46	6,329.67	6,210.22	47.22	31.31	-150.61	415.95	1,168.53	2,776.27	2,708.39	67.88	40.901					
6,969.86	6,371.11	6,407.20	6,272.03	47.75	31.70	-150.63	418.18	1,181.14	2,806.18	2,737.52	68.66	40.872					
7,000.00	6,398.25	6,420.01	6,298.67	47.97	31.77	-157.14	419.14	1,186.58	2,819.13	2,750.25	68.89	40.923					
7,050.00	6,443.70	6,464.92	6,342.65	48.31	31.99	-168.71	420.72	1,195.56	2,840.80	2,771.42	69.38	40.945					
7,100.00	6,489.42	6,507.69	6,384.57	48.61	32.20	179.15	422.23	1,203.87	2,862.58	2,792.74	69.84	40.989					
7,150.00	6,535.12	6,548.36	6,424.80	48.87	32.39	167.05	423.73	1,209.60	2,884.40	2,814.15	70.25	41.060					
7,200.00	6,580.53	6,589.39	6,465.67	49.09	32.57	155.66	425.31	1,212.78	2,906.15	2,835.52	70.63	41.145					
7,250.00	6,625.36	6,630.91	6,507.15	49.27	32.73	145.41	426.97	1,213.30	2,927.71	2,856.71	71.00	41.234					
7,300.00	6,669.35	6,673.03	6,549.17	49.42	32.88	136.47	428.70	1,211.07	2,948.95	2,877.58	71.37	41.319					
7,350.00	6,712.21	6,715.90	6,591.68	49.55	33.03	128.80	430.52	1,205.94	2,969.75	2,898.00	71.75	41.392					
7,400.00	6,753.69	6,759.65	6,634.62	49.65	33.19	122.26	432.41	1,197.77	2,989.98	2,917.84	72.14	41.446					
7,450.00	6,793.52	6,804.45	6,677.88	49.73	33.36	116.70	434.39	1,186.37	3,009.54	2,936.98	72.56	41.476					
7,500.00	6,831.47	6,850.45	6,721.36	49.81	33.55	111.96	436.44	1,171.53	3,028.31	2,955.30	73.02	41.475					
7,550.00	6,867.30	6,897.82	6,764.89	49.88	33.75	107.91	438.57	1,153.00	3,046.19	2,972.68	73.51	41.439					
7,600.00	6,900.78	6,946.73	6,808.26	49.95	33.97	104.46	440.78	1,130.53	3,063.05	2,989.00	74.05	41.364					
7,650.00	6,931.72	6,997.34	6,851.19	50.03	34.22	101.53	443.05	1,103.83	3,078.81	3,004.16	74.65	41.245					
7,700.00	6,959.92	7,049.84	6,893.32	50.11	34.50	99.04	445.39	1,072.63	3,093.36	3,018.06	75.30	41.078					
7,750.00	6,985.20	7,104.36	6,934.21	50.20	34.82	96.95	447.77	1,036.66	3,106.61	3,030.58	76.03	40.858					
7,800.00	7,007.41	7,161.04	6,973.28	50.30	35.19	95.23	450.19	995.70	3,118.47	3,041.62	76.85	40.581					
7,850.00	7,026.42	7,219.96	7,009.87	50.42	35.63	93.83	452.61	949.61	3,128.84	3,051.10	77.74	40.245					
7,900.00	7,042.11	7,281.16	7,043.20	50.57	36.13	92.73	455.01	898.36	3,137.66	3,058.92	78.74	39.849					
7,950.00	7,054.37	7,344.61	7,072.39	50.73	36.71	91.92	457.34	842.10	3,144.84	3,065.01	79.83	39.392					
8,000.00	7,063.14	7,410.21	7,096.53	50.92	37.38	91.37	459.57	781.18	3,150.33	3,069.29	81.04	38.875					
8,050.00	7,068.36	7,477.73	7,114.70	51.13	38.13	91.07	461.63	716.21	3,154.06	3,071.72	82.34	38.306					
8,094.17	7,070.00	7,538.75	7,125.12	51.34	38.86	91.01	463.29	656.14	3,155.86	3,072.30	83.56	37.769					
8,100.00	7,070.03	7,546.89	7,126.07	51.37	38.96	91.03	463.50	648.06	3,156.00	3,072.28	83.72	37.697					
8,200.00	7,070.55	7,667.04	7,130.10	51.94	40.52	91.09	466.13	528.08	3,157.93	3,071.43	86.50	36.507					
8,300.00	7,071.07	7,767.03	7,130.29	52.64	41.97	91.08	468.20	428.12	3,159.70	3,070.33	89.36	35.358					
8,400.00	7,071.60	7,867.01	7,130.48	53.49	43.55	91.07	470.27	328.15	3,161.47	3,068.98	92.49	34.183					
8,500.00	7,072.12	7,967.00	7,130.68	54.50	45.26	91.07	472.34	228.19	3,163.23	3,067.38	95.85	33.002					
8,600.00	7,072.64	8,066.98	7,130.87	55.69	47.09	91.06	474.40	128.23	3,165.00	3,065.57	99.43	31.831					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,700.00	7,073.17	8,166.96	7,131.07	57.04	49.01	91.05	476.47	28.27	3,166.77	3,063.57	103.21	30.684			
8,800.00	7,073.69	8,266.95	7,131.26	58.55	51.02	91.05	478.54	-71.70	3,168.54	3,061.39	107.15	29.570			
8,900.00	7,074.21	8,366.93	7,131.45	60.21	53.11	91.04	480.61	-171.66	3,170.31	3,059.06	111.26	28.496			
9,000.00	7,074.74	8,466.91	7,131.65	61.99	55.27	91.03	482.67	-271.62	3,172.08	3,056.58	115.50	27.465			
9,100.00	7,075.26	8,566.90	7,131.84	63.88	57.49	91.03	484.74	-371.58	3,173.85	3,053.99	119.86	26.480			
9,200.00	7,075.78	8,666.88	7,132.03	65.87	59.77	91.02	486.81	-471.54	3,175.62	3,051.29	124.33	25.541			
9,300.00	7,076.30	8,766.87	7,132.23	67.95	62.10	91.01	488.88	-571.51	3,177.39	3,048.48	128.91	24.648			
9,400.00	7,076.83	8,866.85	7,132.42	70.09	64.46	91.01	490.95	-671.47	3,179.16	3,045.59	133.57	23.801			
9,500.00	7,077.35	8,966.83	7,132.62	72.30	66.87	91.00	493.01	-771.43	3,180.93	3,042.62	138.31	22.998			
9,600.00	7,077.87	9,066.82	7,132.81	74.57	69.32	90.99	495.08	-871.39	3,182.70	3,039.57	143.13	22.237			
9,700.00	7,078.40	9,166.80	7,133.00	76.88	71.79	90.99	497.15	-971.35	3,184.47	3,036.46	148.00	21.516			
9,800.00	7,078.92	9,266.78	7,133.20	79.24	74.29	90.98	499.22	-1,071.32	3,186.24	3,033.30	152.94	20.833			
9,900.00	7,079.44	9,366.77	7,133.39	81.63	76.82	90.98	501.29	-1,171.28	3,188.01	3,030.08	157.93	20.186			
10,000.00	7,079.97	9,466.75	7,133.59	84.06	79.37	90.97	503.35	-1,271.24	3,189.78	3,026.81	162.97	19.573			
10,100.00	7,080.49	9,566.74	7,133.78	86.52	81.94	90.96	505.42	-1,371.20	3,191.55	3,023.50	168.05	18.991			
10,200.00	7,081.01	9,666.72	7,133.97	89.01	84.53	90.96	507.49	-1,471.17	3,193.32	3,020.14	173.17	18.440			
10,300.00	7,081.54	9,766.70	7,134.17	91.52	87.14	90.95	509.56	-1,571.13	3,195.09	3,016.75	178.33	17.916			
10,400.00	7,082.06	9,866.69	7,134.36	94.05	89.76	90.94	511.63	-1,671.09	3,196.86	3,013.33	183.53	17.419			
10,500.00	7,082.58	9,966.67	7,134.55	96.61	92.40	90.94	513.69	-1,771.05	3,198.63	3,009.88	188.75	16.946			
10,600.00	7,083.10	10,066.65	7,134.75	99.18	95.05	90.93	515.76	-1,871.01	3,200.40	3,006.40	194.00	16.497			
10,700.00	7,083.63	10,166.64	7,134.94	101.77	97.72	90.92	517.83	-1,970.98	3,202.17	3,002.89	199.28	16.069			
10,800.00	7,084.15	10,266.62	7,135.14	104.38	100.39	90.92	519.90	-2,070.94	3,203.94	2,999.36	204.58	15.661			
10,900.00	7,084.67	10,366.60	7,135.33	107.00	103.08	90.91	521.97	-2,170.90	3,205.71	2,995.80	209.90	15.272			
11,000.00	7,085.20	10,466.59	7,135.52	109.63	105.77	90.90	524.03	-2,270.86	3,207.48	2,992.23	215.25	14.901			
11,100.00	7,085.72	10,566.57	7,135.72	112.27	108.47	90.90	526.10	-2,370.82	3,209.25	2,988.64	220.61	14.547			
11,200.00	7,086.24	10,666.56	7,135.91	114.93	111.18	90.89	528.17	-2,470.79	3,211.02	2,985.03	225.99	14.209			
11,300.00	7,086.77	10,766.54	7,136.11	117.59	113.90	90.89	530.24	-2,570.75	3,212.79	2,981.40	231.39	13.885			
11,400.00	7,087.29	10,866.52	7,136.30	120.27	116.63	90.88	532.31	-2,670.71	3,214.56	2,977.76	236.80	13.575			
11,500.00	7,087.81	10,966.51	7,136.49	122.95	119.36	90.87	534.37	-2,770.67	3,216.33	2,974.10	242.23	13.278			
11,600.00	7,088.33	11,066.49	7,136.69	125.64	122.10	90.87	536.44	-2,870.63	3,218.10	2,970.43	247.67	12.993			
11,700.00	7,088.86	11,166.47	7,136.88	128.34	124.84	90.86	538.51	-2,970.60	3,219.87	2,966.75	253.12	12.721			
11,800.00	7,089.38	11,266.46	7,137.07	131.05	127.59	90.85	540.58	-3,070.56	3,221.64	2,963.05	258.59	12.459			
11,900.00	7,089.90	11,366.44	7,137.27	133.76	130.35	90.85	542.65	-3,170.52	3,223.41	2,959.35	264.07	12.207			
12,000.00	7,090.43	11,466.43	7,137.46	136.49	133.11	90.84	544.71	-3,270.48	3,225.18	2,955.63	269.55	11.965			
12,100.00	7,090.95	11,566.41	7,137.66	139.21	135.87	90.83	546.78	-3,370.45	3,226.95	2,951.90	275.05	11.732			
12,200.00	7,091.47	11,666.39	7,137.85	141.94	138.64	90.83	548.85	-3,470.41	3,228.72	2,948.17	280.55	11.508			
12,300.00	7,092.00	11,766.38	7,138.04	144.68	141.41	90.82	550.92	-3,570.37	3,230.49	2,944.43	286.07	11.293			
12,400.00	7,092.52	11,866.36	7,138.24	147.42	144.18	90.82	552.99	-3,670.33	3,232.26	2,940.68	291.59	11.085			
12,500.00	7,093.04	11,966.34	7,138.43	150.17	146.96	90.81	555.05	-3,770.29	3,234.03	2,936.92	297.12	10.885			
12,600.00	7,093.57	12,066.33	7,138.63	152.92	149.74	90.80	557.12	-3,870.26	3,235.81	2,933.15	302.66	10.691			
12,700.00	7,094.09	12,166.31	7,138.82	155.67	152.53	90.80	559.19	-3,970.22	3,237.58	2,929.38	308.20	10.505			
12,800.00	7,094.61	12,266.29	7,139.01	158.43	155.32	90.79	561.26	-4,070.18	3,239.35	2,925.60	313.75	10.325			
12,900.00	7,095.13	12,366.28	7,139.21	161.19	158.11	90.78	563.33	-4,170.14	3,241.12	2,921.81	319.31	10.150			
13,000.00	7,095.66	12,466.26	7,139.40	163.96	160.90	90.78	565.39	-4,270.10	3,242.89	2,918.02	324.87	9.982			
13,100.00	7,096.18	12,566.25	7,139.59	166.73	163.70	90.77	567.46	-4,370.07	3,244.66	2,914.22	330.44	9.819			
13,200.00	7,096.70	12,666.23	7,139.79	169.50	166.50	90.77	569.53	-4,470.03	3,246.43	2,910.42	336.01	9.662			
13,256.62	7,097.00	12,722.84	7,139.90	171.07	168.08	90.76	570.70	-4,526.62	3,247.43	2,908.27	339.17	9.575 SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-45.75	1,652.18	-1,696.29	2,367.94					
100.00	100.00	104.00	96.00	3.28	3.78	-45.75	1,652.18	-1,696.29	2,367.94	2,360.87	7.07	335.030		
200.00	200.00	204.00	196.00	3.34	6.30	-45.75	1,652.18	-1,696.29	2,367.94	2,358.30	9.63	245.770		
300.00	300.00	304.00	296.00	3.44	9.45	-45.75	1,652.18	-1,696.29	2,367.94	2,355.04	12.90	183.572 CC		
400.00	399.98	404.02	395.98	3.60	12.79	160.76	1,652.18	-1,696.29	2,369.58	2,353.20	16.38	144.638 ES		
500.00	499.84	504.16	495.84	3.79	16.19	160.77	1,652.18	-1,696.29	2,374.53	2,354.55	19.98	118.854		
600.00	599.45	604.55	595.45	4.02	19.64	160.78	1,652.18	-1,696.29	2,382.76	2,359.10	23.66	100.722		
700.00	698.70	705.30	694.70	4.29	23.11	160.80	1,652.18	-1,696.29	2,394.28	2,366.87	27.40	87.377		
800.00	797.47	806.53	793.47	4.59	26.61	160.83	1,652.18	-1,696.29	2,409.07	2,377.86	31.21	77.200		
900.00	895.62	908.38	891.62	4.93	30.14	160.85	1,652.18	-1,696.29	2,427.13	2,392.06	35.06	69.219		
1,000.00	993.06	989.06	989.06	5.31	32.95	160.88	1,652.18	-1,696.29	2,448.44	2,410.22	38.22	64.067		
1,100.00	1,089.64	1,085.64	1,085.64	5.72	36.30	160.91	1,652.18	-1,696.29	2,472.98	2,431.04	41.95	58.957		
1,200.00	1,185.27	1,181.27	1,181.27	6.16	39.63	160.94	1,652.18	-1,696.29	2,500.74	2,455.08	45.66	54.766		
1,300.00	1,279.82	1,275.82	1,275.82	6.64	42.92	160.97	1,652.18	-1,696.29	2,531.69	2,482.33	49.36	51.290		
1,400.00	1,373.17	1,369.17	1,369.17	7.16	46.17	161.00	1,652.18	-1,696.29	2,565.80	2,512.77	53.03	48.380		
1,500.00	1,465.21	1,461.21	1,461.21	7.71	49.37	161.01	1,652.18	-1,696.29	2,603.05	2,546.37	56.68	45.927		
1,600.00	1,555.84	1,551.84	1,551.84	8.31	52.53	161.03	1,652.18	-1,696.29	2,643.40	2,583.11	60.29	43.848		
1,613.50	1,567.96	1,563.96	1,563.96	8.39	52.95	161.03	1,652.18	-1,696.29	2,649.08	2,588.30	60.78	43.588		
1,700.00	1,645.53	1,641.53	1,641.53	8.93	55.66	161.29	1,652.18	-1,696.29	2,685.69	2,621.82	63.87	42.050		
1,800.00	1,735.20	1,731.20	1,731.20	9.58	58.78	161.58	1,652.18	-1,696.29	2,728.07	2,660.61	67.45	40.443		
1,900.00	1,824.87	1,820.87	1,820.87	10.25	61.91	161.87	1,652.18	-1,696.29	2,770.51	2,699.46	71.05	38.994		
2,000.00	1,914.54	1,910.54	1,910.54	10.92	65.03	162.15	1,652.18	-1,696.29	2,813.00	2,738.35	74.65	37.682		
2,100.00	2,004.21	2,000.21	2,000.21	11.61	68.16	162.42	1,652.18	-1,696.29	2,855.55	2,777.29	78.26	36.488		
2,200.00	2,093.89	2,089.89	2,089.89	12.30	71.29	162.68	1,652.18	-1,696.29	2,898.15	2,816.28	81.88	35.397		
2,300.00	2,183.56	2,179.56	2,179.56	13.01	74.42	162.93	1,652.18	-1,696.29	2,940.80	2,855.31	85.50	34.397		
2,400.00	2,273.23	2,269.23	2,269.23	13.71	77.54	163.18	1,652.18	-1,696.29	2,983.50	2,894.38	89.12	33.478		
2,500.00	2,362.90	2,358.90	2,358.90	14.43	80.67	163.42	1,652.18	-1,696.29	3,026.24	2,933.49	92.75	32.629		
2,600.00	2,452.57	2,448.57	2,448.57	15.14	83.80	163.66	1,652.18	-1,696.29	3,069.02	2,972.65	96.38	31.844		
2,700.00	2,542.25	2,538.25	2,538.25	15.87	86.93	163.88	1,652.18	-1,696.29	3,111.85	3,011.84	100.01	31.116		
2,800.00	2,631.92	2,627.92	2,627.92	16.59	90.06	164.11	1,652.18	-1,696.29	3,154.71	3,051.07	103.64	30.438		
2,900.00	2,721.59	2,717.59	2,717.59	17.32	93.18	164.32	1,652.18	-1,696.29	3,197.62	3,090.33	107.28	29.806		
3,000.00	2,811.26	2,807.26	2,807.26	18.05	96.31	164.53	1,652.18	-1,696.29	3,240.55	3,129.64	110.92	29.216		
3,100.00	2,900.93	2,896.93	2,896.93	18.78	99.65	164.74	1,652.18	-1,696.29	3,283.53	3,168.76	114.77	28.609		
3,200.00	2,990.60	2,986.60	2,986.60	19.51	102.57	164.94	1,652.18	-1,696.29	3,326.54	3,208.34	118.20	28.143		
3,300.00	3,080.28	3,076.28	3,076.28	20.25	105.70	165.13	1,652.18	-1,696.29	3,369.58	3,247.74	121.84	27.655		
3,400.00	3,169.95	3,165.95	3,165.95	20.99	108.83	165.32	1,652.18	-1,696.29	3,412.65	3,287.16	125.49	27.195		
3,500.00	3,259.62	3,255.62	3,255.62	21.73	111.96	165.50	1,652.18	-1,696.29	3,455.75	3,326.62	129.13	26.762		
3,600.00	3,349.29	3,345.29	3,345.29	22.47	115.09	165.68	1,652.18	-1,696.29	3,498.88	3,366.11	132.78	26.352		
3,700.00	3,438.96	3,434.96	3,434.96	23.21	118.21	165.86	1,652.18	-1,696.29	3,542.04	3,405.62	136.42	25.964		
3,800.00	3,528.64	3,524.64	3,524.64	23.95	121.34	166.03	1,652.18	-1,696.29	3,585.23	3,445.16	140.07	25.596		
3,900.00	3,618.31	3,614.31	3,614.31	24.69	124.47	166.20	1,652.18	-1,696.29	3,628.44	3,484.72	143.72	25.247		
4,000.00	3,707.98	3,703.98	3,703.98	25.44	127.60	166.36	1,652.18	-1,696.29	3,671.68	3,524.31	147.36	24.916		
4,100.00	3,797.65	3,793.65	3,793.65	26.18	131.18	166.52	1,652.18	-1,696.29	3,714.94	3,563.48	151.46	24.528		
4,200.00	3,887.32	3,883.32	3,883.32	26.93	133.86	166.68	1,652.18	-1,696.29	3,758.22	3,603.56	154.66	24.300		
4,300.00	3,976.99	3,972.99	3,972.99	27.68	136.99	166.83	1,652.18	-1,696.29	3,801.53	3,643.22	158.31	24.013		
4,400.00	4,066.67	4,062.67	4,062.67	28.42	140.12	166.98	1,652.18	-1,696.29	3,844.85	3,682.89	161.96	23.739		
4,500.00	4,156.34	4,152.34	4,152.34	29.17	143.25	167.13	1,652.18	-1,696.29	3,888.20	3,722.59	165.61	23.478		
4,600.00	4,246.01	4,242.01	4,242.01	29.92	146.38	167.27	1,652.18	-1,696.29	3,931.57	3,762.31	169.26	23.228		
4,700.00	4,335.68	4,331.68	4,331.68	30.67	149.51	167.41	1,652.18	-1,696.29	3,974.96	3,802.05	172.91	22.988		
4,800.00	4,425.35	4,421.35	4,421.35	31.42	152.64	167.55	1,652.18	-1,696.29	4,018.37	3,841.81	176.56	22.759		
4,900.00	4,515.03	4,511.03	4,511.03	32.17	155.77	167.68	1,652.18	-1,696.29	4,061.80	3,881.58	180.21	22.539		

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

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Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,600.70	4,600.70	32.92	158.90	167.81	1,652.18	-1,696.29	4,105.24	3,921.38	183.86	22.327		
5,100.00	4,694.37	4,709.63	4,690.37	33.67	162.70	167.94	1,652.18	-1,696.29	4,148.70	3,960.51	188.19	22.045		
5,200.00	4,784.04	4,780.04	4,780.04	34.42	165.16	168.07	1,652.18	-1,696.29	4,192.18	4,001.01	191.17	21.929		
5,300.00	4,873.71	4,869.71	4,869.71	35.17	168.29	168.19	1,652.18	-1,696.29	4,235.67	4,040.85	194.82	21.741		
5,400.00	4,963.38	4,959.38	4,959.38	35.92	171.42	168.31	1,652.18	-1,696.29	4,279.18	4,080.71	198.47	21.560		
5,500.00	5,053.06	5,049.06	5,049.06	36.67	174.55	168.43	1,652.18	-1,696.29	4,322.71	4,120.58	202.13	21.386		
5,600.00	5,142.73	5,138.73	5,138.73	37.43	177.68	168.55	1,652.18	-1,696.29	4,366.25	4,160.47	205.78	21.218		
5,700.00	5,232.40	5,228.40	5,228.40	38.18	180.81	168.66	1,652.18	-1,696.29	4,409.80	4,200.37	209.43	21.056		
5,800.00	5,322.07	5,318.07	5,318.07	38.93	183.94	168.77	1,652.18	-1,696.29	4,453.37	4,240.29	213.09	20.899		
5,900.00	5,411.74	5,407.74	5,407.74	39.68	187.07	168.88	1,652.18	-1,696.29	4,496.95	4,280.22	216.74	20.748		
6,000.00	5,501.42	5,502.58	5,497.42	40.44	190.38	168.99	1,652.18	-1,696.29	4,540.55	4,319.98	220.57	20.585		
6,100.00	5,591.09	5,587.09	5,587.09	41.19	193.33	169.09	1,652.18	-1,696.29	4,584.16	4,360.11	224.05	20.461		
6,200.00	5,680.76	5,676.76	5,676.76	41.94	196.46	169.20	1,652.18	-1,696.29	4,627.78	4,400.08	227.70	20.324		
6,300.00	5,770.43	5,766.43	5,766.43	42.70	199.59	169.30	1,652.18	-1,696.29	4,671.41	4,440.05	231.35	20.192		
6,400.00	5,860.10	5,856.10	5,856.10	43.45	202.72	169.40	1,652.18	-1,696.29	4,715.05	4,480.04	235.01	20.063		
6,500.00	5,949.77	5,945.77	5,945.77	44.20	205.85	169.50	1,652.18	-1,696.29	4,758.71	4,520.05	238.66	19.939		
6,600.00	6,039.45	6,035.45	6,035.45	44.96	208.98	169.59	1,652.18	-1,696.29	4,802.37	4,560.06	242.32	19.818		
6,700.00	6,129.12	6,125.12	6,125.12	45.71	212.11	169.69	1,652.18	-1,696.29	4,846.05	4,600.08	245.97	19.702		
6,800.00	6,218.79	6,214.79	6,214.79	46.46	215.24	169.78	1,652.18	-1,696.29	4,889.74	4,640.11	249.63	19.588		
6,900.00	6,308.46	6,304.46	6,304.46	47.22	218.37	169.87	1,652.18	-1,696.29	4,933.44	4,680.15	253.28	19.478		
6,969.86	6,371.11	6,367.11	6,367.11	47.75	220.56	169.93	1,652.18	-1,696.29	4,963.97	4,708.13	255.84	19.403		
7,000.00	6,398.25	6,405.75	6,394.25	47.97	221.90	163.70	1,652.18	-1,696.29	4,976.78	4,719.43	257.34	19.339		
7,050.00	6,443.70	6,439.70	6,439.70	48.31	223.09	152.75	1,652.18	-1,696.29	4,996.35	4,737.57	258.78	19.307		
7,100.00	6,489.42	6,485.42	6,485.42	48.61	224.68	141.44	1,652.18	-1,696.29	5,013.76	4,753.13	260.63	19.237		
7,150.00	6,535.12	6,531.12	6,531.12	48.87	226.28	130.39	1,652.18	-1,696.29	5,028.90	4,766.44	262.46	19.161		
7,200.00	6,580.53	6,576.53	6,576.53	49.09	227.87	120.24	1,652.18	-1,696.29	5,041.71	4,777.45	264.26	19.079		
7,250.00	6,625.36	6,621.36	6,621.36	49.27	229.43	111.40	1,652.18	-1,696.29	5,052.14	4,786.12	266.02	18.992		
7,300.00	6,669.35	6,665.35	6,665.35	49.42	230.97	103.99	1,652.18	-1,696.29	5,060.15	4,792.43	267.73	18.900		
7,350.00	6,712.21	6,708.21	6,708.21	49.55	232.46	97.97	1,652.18	-1,696.29	5,065.75	4,796.37	269.38	18.805		
7,400.00	6,753.69	6,749.69	6,749.69	49.65	233.91	93.18	1,652.18	-1,696.29	5,068.93	4,797.97	270.96	18.707		
7,450.00	6,793.52	6,789.52	6,789.52	49.73	235.30	89.43	1,652.18	-1,696.29	5,069.72	4,797.25	272.46	18.607		
7,500.00	6,831.47	6,827.47	6,827.47	49.81	236.62	86.56	1,652.18	-1,696.29	5,068.14	4,794.25	273.89	18.504		
7,550.00	6,867.30	6,863.30	6,863.30	49.88	237.88	84.43	1,652.18	-1,696.29	5,064.26	4,789.02	275.24	18.399		
7,600.00	6,900.78	6,903.22	6,896.78	49.95	239.27	82.94	1,652.18	-1,696.29	5,058.15	4,781.42	276.73	18.278		
7,650.00	6,931.72	6,927.72	6,927.72	50.03	240.12	81.98	1,652.18	-1,696.29	5,049.87	4,772.18	277.69	18.185		
7,700.00	6,959.92	6,955.92	6,955.92	50.11	241.11	81.50	1,652.18	-1,696.29	5,039.52	4,760.72	278.80	18.076		
7,750.00	6,985.20	6,981.20	6,981.20	50.20	241.99	81.44	1,652.18	-1,696.29	5,027.20	4,747.36	279.83	17.965		
7,800.00	7,007.41	7,003.41	7,003.41	50.30	242.77	81.76	1,652.18	-1,696.29	5,013.01	4,732.21	280.79	17.853		
7,850.00	7,026.42	7,022.42	7,022.42	50.42	243.43	82.42	1,652.18	-1,696.29	4,997.07	4,715.39	281.68	17.740		
7,900.00	7,042.11	7,038.11	7,038.11	50.57	243.98	83.40	1,652.18	-1,696.29	4,979.49	4,697.00	282.49	17.627		
7,950.00	7,054.37	7,050.37	7,050.37	50.73	244.41	84.67	1,652.18	-1,696.29	4,960.41	4,677.17	283.24	17.513		
8,000.00	7,063.14	7,059.14	7,059.14	50.92	244.71	86.22	1,652.18	-1,696.29	4,939.94	4,656.03	283.91	17.400		
8,050.00	7,068.36	7,064.36	7,064.36	51.13	244.89	88.03	1,652.18	-1,696.29	4,918.22	4,633.72	284.50	17.287		
8,094.17	7,070.00	7,066.00	7,066.00	51.34	244.95	89.84	1,652.18	-1,696.29	4,898.09	4,613.13	284.97	17.188		
8,100.00	7,070.03	7,066.03	7,066.03	51.37	244.95	89.84	1,652.18	-1,696.29	4,895.38	4,610.36	285.02	17.175		
8,200.00	7,070.55	7,066.55	7,066.55	51.94	244.97	89.85	1,652.18	-1,696.29	4,849.79	4,563.69	286.10	16.952		
8,300.00	7,071.07	7,067.07	7,067.07	52.64	244.99	89.86	1,652.18	-1,696.29	4,805.84	4,518.48	287.36	16.724		
8,400.00	7,071.60	7,067.60	7,067.60	53.49	245.01	89.86	1,652.18	-1,696.29	4,763.59	4,474.79	288.81	16.494		
8,500.00	7,072.12	7,068.12	7,068.12	54.50	245.02	89.87	1,652.18	-1,696.29	4,723.08	4,432.66	290.42	16.263		
8,600.00	7,072.64	7,068.64	7,068.64	55.69	245.04	89.88	1,652.18	-1,696.29	4,684.35	4,392.15	292.20	16.031		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,700.00	7,073.17	7,069.17	7,069.17	57.04	245.06	89.88	1,652.18	-1,696.29	4,647.45	4,353.33	294.13	15.801			
8,800.00	7,073.69	7,069.69	7,069.69	58.55	245.08	89.89	1,652.18	-1,696.29	4,612.43	4,316.24	296.19	15.572			
8,900.00	7,074.21	7,070.21	7,070.21	60.21	245.10	89.90	1,652.18	-1,696.29	4,579.32	4,280.94	298.38	15.347			
9,000.00	7,074.74	7,070.74	7,070.74	61.99	245.12	89.91	1,652.18	-1,696.29	4,548.17	4,247.48	300.69	15.126			
9,100.00	7,075.26	7,071.26	7,071.26	63.88	245.13	89.91	1,652.18	-1,696.29	4,519.02	4,215.92	303.09	14.910			
9,200.00	7,075.78	7,071.78	7,071.78	65.87	245.15	89.92	1,652.18	-1,696.29	4,491.90	4,186.31	305.59	14.699			
9,300.00	7,076.30	7,072.30	7,072.30	67.95	245.17	89.93	1,652.18	-1,696.29	4,466.86	4,158.70	308.17	14.495			
9,400.00	7,076.83	7,072.83	7,072.83	70.09	245.19	89.93	1,652.18	-1,696.29	4,443.93	4,133.12	310.81	14.298			
9,500.00	7,077.35	7,073.35	7,073.35	72.30	245.21	89.94	1,652.18	-1,696.29	4,423.14	4,109.63	313.51	14.108			
9,600.00	7,077.87	7,073.87	7,073.87	74.57	245.23	89.95	1,652.18	-1,696.29	4,404.53	4,088.27	316.26	13.927			
9,700.00	7,078.40	7,074.40	7,074.40	76.88	245.24	89.95	1,652.18	-1,696.29	4,388.11	4,069.07	319.05	13.754			
9,800.00	7,078.92	7,074.92	7,074.92	79.24	245.26	89.96	1,652.18	-1,696.29	4,373.92	4,052.06	321.86	13.589			
9,900.00	7,079.44	7,075.44	7,075.44	81.63	245.28	89.97	1,652.18	-1,696.29	4,361.98	4,037.28	324.70	13.434			
10,000.00	7,079.97	7,075.97	7,075.97	84.06	245.30	89.97	1,652.18	-1,696.29	4,352.30	4,024.76	327.55	13.288			
10,100.00	7,080.49	7,076.49	7,076.49	86.52	245.32	89.98	1,652.18	-1,696.29	4,344.90	4,014.51	330.40	13.151			
10,200.00	7,081.01	7,077.01	7,077.01	89.01	245.34	89.99	1,652.18	-1,696.29	4,339.80	4,006.56	333.24	13.023			
10,300.00	7,081.54	7,077.54	7,077.54	91.52	245.35	90.00	1,652.18	-1,696.29	4,336.99	4,000.92	336.07	12.905			
10,371.68	7,081.91	7,077.91	7,077.91	93.34	245.37	90.00	1,652.18	-1,696.29	4,336.40	3,998.31	338.10	12.826			
10,400.00	7,082.06	7,078.06	7,078.06	94.05	245.37	90.00	1,652.18	-1,696.29	4,336.49	3,997.61	338.89	12.796			
10,500.00	7,082.58	7,078.58	7,078.58	96.61	245.39	90.01	1,652.18	-1,696.29	4,338.30	3,996.62	341.68	12.697			
10,600.00	7,083.10	7,079.10	7,079.10	99.18	245.41	90.02	1,652.18	-1,696.29	4,342.41	3,997.98	344.43	12.608			
10,700.00	7,083.63	7,079.63	7,079.63	101.77	245.43	90.02	1,652.18	-1,696.29	4,348.81	4,001.67	347.15	12.527			
10,800.00	7,084.15	7,080.15	7,080.15	104.38	245.44	90.03	1,652.18	-1,696.29	4,357.50	4,007.68	349.82	12.456			
10,900.00	7,084.67	7,080.67	7,080.67	107.00	245.46	90.04	1,652.18	-1,696.29	4,368.47	4,016.02	352.44	12.395			
11,000.00	7,085.20	7,081.20	7,081.20	109.63	245.48	90.04	1,652.18	-1,696.29	4,381.68	4,026.67	355.01	12.342			
11,100.00	7,085.72	7,081.72	7,081.72	112.27	245.50	90.05	1,652.18	-1,696.29	4,397.14	4,039.61	357.52	12.299			
11,200.00	7,086.24	7,082.24	7,082.24	114.93	245.52	90.06	1,652.18	-1,696.29	4,414.80	4,054.83	359.97	12.264			
11,300.00	7,086.77	7,082.77	7,082.77	117.59	245.54	90.06	1,652.18	-1,696.29	4,434.65	4,072.29	362.36	12.238			
11,400.00	7,087.29	7,083.29	7,083.29	120.27	245.55	90.07	1,652.18	-1,696.29	4,456.66	4,091.98	364.68	12.211			
11,500.00	7,087.81	7,083.81	7,083.81	122.95	245.57	90.08	1,652.18	-1,696.29	4,480.79	4,113.86	366.93	12.221			
11,600.00	7,088.33	7,084.33	7,084.33	125.64	245.59	90.08	1,652.18	-1,696.29	4,507.01	4,137.90	369.10	12.211 SF			
11,700.00	7,088.86	7,084.86	7,084.86	128.34	245.61	90.09	1,652.18	-1,696.29	4,535.28	4,164.07	371.21	12.218			
11,800.00	7,089.38	7,085.38	7,085.38	131.05	245.63	90.10	1,652.18	-1,696.29	4,565.57	4,192.33	373.24	12.232			
11,900.00	7,089.90	7,085.90	7,085.90	133.76	245.65	90.11	1,652.18	-1,696.29	4,597.83	4,222.64	375.20	12.254			
12,000.00	7,090.43	7,086.43	7,086.43	136.49	245.66	90.11	1,652.18	-1,696.29	4,632.03	4,254.95	377.08	12.284			
12,100.00	7,090.95	7,086.95	7,086.95	139.21	245.68	90.12	1,652.18	-1,696.29	4,668.12	4,289.23	378.89	12.321			
12,200.00	7,091.47	7,087.47	7,087.47	141.94	245.70	90.13	1,652.18	-1,696.29	4,706.06	4,325.44	380.62	12.364			
12,300.00	7,092.00	7,088.00	7,088.00	144.68	245.72	90.13	1,652.18	-1,696.29	4,745.81	4,363.52	382.28	12.414			
12,400.00	7,092.52	7,088.52	7,088.52	147.42	245.74	90.14	1,652.18	-1,696.29	4,787.31	4,403.44	383.87	12.471			
12,500.00	7,093.04	7,089.04	7,089.04	150.17	245.76	90.15	1,652.18	-1,696.29	4,830.53	4,445.14	385.39	12.534			
12,600.00	7,093.57	7,089.57	7,089.57	152.92	245.77	90.15	1,652.18	-1,696.29	4,875.41	4,488.57	386.84	12.603			
12,700.00	7,094.09	7,090.09	7,090.09	155.67	246.48	90.16	1,652.18	-1,696.29	4,921.92	4,533.01	388.91	12.656			
12,800.00	7,094.61	7,090.61	7,090.61	158.43	246.47	90.17	1,652.18	-1,696.29	4,970.00	4,579.82	390.19	12.737			
12,900.00	7,095.13	7,091.13	7,091.13	161.19	246.45	90.17	1,652.18	-1,696.29	5,019.62	4,628.22	391.40	12.825			
13,000.00	7,095.66	7,091.66	7,091.66	163.96	246.43	90.18	1,652.18	-1,696.29	5,070.72	4,678.18	392.55	12.917			
13,100.00	7,096.18	7,092.18	7,092.18	166.73	246.41	90.19	1,652.18	-1,696.29	5,123.27	4,729.63	393.64	13.015			
13,200.00	7,096.70	7,092.70	7,092.70	169.50	246.39	90.20	1,652.18	-1,696.29	5,177.21	4,782.55	394.67	13.118			
13,256.62	7,097.00	7,093.00	7,093.00	171.07	246.38	90.20	1,652.18	-1,696.29	5,208.36	4,813.14	395.22	13.178			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH		Offset Site Error:		0.00 ft	
Survey Program: 146-MWD																Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning					
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor							
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	Angle (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Centres (ft)	Centres (ft)	Centres (ft)	Centres (ft)						
0.00	0.00	0.00	0.00	3.28	3.28	-105.45	-1,973.50	-7,141.89	7,409.55										
100.00	100.00	86.49	86.49	3.28	3.29	-105.45	-1,973.72	-7,141.85	7,409.56	7,402.99	6.57	1,127.752							
200.00	200.00	176.16	176.16	3.34	3.31	-105.45	-1,974.39	-7,141.74	7,409.65	7,403.00	6.65	1,114.527							
300.00	300.00	260.94	260.93	3.44	3.38	-105.46	-1,975.24	-7,141.79	7,409.97	7,403.14	6.83	1,085.328							
400.00	399.98	358.91	358.90	3.60	3.51	101.04	-1,976.36	-7,141.87	7,410.68	7,403.57	7.11	1,042.589							
500.00	499.84	449.76	449.74	3.79	3.67	101.04	-1,976.99	-7,142.17	7,412.19	7,404.74	7.46	993.872							
600.00	599.45	553.48	553.46	4.02	3.90	101.07	-1,977.42	-7,142.60	7,414.38	7,406.46	7.91	936.929							
700.00	698.70	638.57	638.55	4.29	4.11	101.08	-1,978.03	-7,142.89	7,417.27	7,408.87	8.40	883.375							
800.00	797.47	710.28	710.25	4.59	4.30	101.09	-1,978.47	-7,143.43	7,421.20	7,412.30	8.90	833.976							
900.00	895.62	794.64	794.61	4.93	4.55	101.11	-1,978.82	-7,144.32	7,426.09	7,416.61	9.48	783.003							
1,000.00	993.06	887.00	886.96	5.31	4.84	101.16	-1,979.40	-7,145.37	7,431.84	7,421.69	10.14	732.578							
1,100.00	1,089.64	970.00	969.95	5.72	5.11	101.19	-1,979.92	-7,146.39	7,438.42	7,427.59	10.82	687.254							
1,200.00	1,185.27	1,017.11	1,017.05	6.16	5.27	101.14	-1,979.87	-7,147.26	7,446.18	7,434.76	11.42	652.049							
1,300.00	1,279.82	1,061.00	1,060.93	6.64	5.42	101.07	-1,979.39	-7,148.50	7,455.40	7,443.36	12.04	619.126							
1,400.00	1,373.17	1,100.34	1,100.23	7.16	5.55	100.98	-1,978.63	-7,149.97	7,466.09	7,453.41	12.68	588.632							
1,500.00	1,465.21	1,153.00	1,152.81	7.71	5.73	100.91	-1,977.17	-7,152.49	7,478.31	7,464.90	13.41	557.668							
1,600.00	1,555.84	1,177.39	1,177.15	8.31	5.82	100.72	-1,976.31	-7,153.88	7,491.99	7,477.91	14.08	532.226							
1,613.50	1,567.96	1,182.50	1,182.24	8.39	5.84	100.70	-1,976.11	-7,154.18	7,493.95	7,479.78	14.18	528.644							
1,700.00	1,645.53	1,214.94	1,214.58	8.93	5.95	100.83	-1,974.70	-7,156.28	7,506.96	7,492.14	14.82	506.543							
1,800.00	1,735.20	1,248.00	1,247.51	9.58	6.07	100.95	-1,973.00	-7,158.66	7,522.81	7,507.25	15.56	483.334							
1,900.00	1,824.87	1,278.30	1,277.66	10.25	6.18	101.07	-1,971.26	-7,161.11	7,539.60	7,523.29	16.31	462.201							
2,000.00	1,914.54	1,305.40	1,304.61	10.92	6.28	101.17	-1,969.61	-7,163.54	7,557.37	7,540.31	17.06	443.055							
2,100.00	2,004.21	1,343.00	1,341.94	11.61	6.42	101.32	-1,967.17	-7,167.30	7,576.13	7,558.29	17.85	424.439							
2,200.00	2,093.89	1,367.78	1,366.52	12.30	6.52	101.42	-1,965.46	-7,169.97	7,595.80	7,577.20	18.60	408.396							
2,300.00	2,183.56	1,408.84	1,407.19	13.01	6.68	101.58	-1,962.38	-7,174.63	7,616.31	7,596.89	19.42	392.263							
2,400.00	2,273.23	1,456.09	1,453.94	13.71	6.86	101.78	-1,958.49	-7,180.33	7,637.62	7,617.35	20.26	376.899							
2,500.00	2,362.90	1,520.02	1,517.13	14.43	7.13	102.04	-1,952.97	-7,188.28	7,659.54	7,638.36	21.19	361.508							
2,600.00	2,452.57	1,597.75	1,593.92	15.14	7.45	102.35	-1,946.06	-7,198.12	7,681.96	7,659.78	22.18	346.374							
2,700.00	2,542.25	1,669.11	1,664.43	15.87	7.76	102.64	-1,939.83	-7,207.17	7,704.78	7,681.63	23.15	332.851							
2,800.00	2,631.92	1,760.20	1,754.49	16.59	8.17	103.00	-1,932.64	-7,218.77	7,728.09	7,703.87	24.21	319.185							
2,900.00	2,721.59	1,861.82	1,855.06	17.32	8.63	103.40	-1,925.01	-7,231.19	7,751.31	7,725.98	25.33	306.004							
3,000.00	2,811.26	1,939.95	1,932.42	18.05	8.98	103.70	-1,919.86	-7,240.78	7,775.02	7,748.67	26.35	295.121							
3,100.00	2,900.93	2,054.28	2,045.74	18.78	9.51	104.14	-1,912.89	-7,254.30	7,798.69	7,771.16	27.53	283.255							
3,200.00	2,990.60	2,126.24	2,117.03	19.51	9.85	104.41	-1,908.07	-7,262.86	7,822.70	7,794.17	28.52	274.249							
3,300.00	3,080.28	2,192.90	2,183.01	20.25	10.16	104.67	-1,903.13	-7,270.97	7,847.17	7,817.68	29.49	266.077							
3,400.00	3,169.95	2,316.78	2,305.62	20.99	10.76	105.14	-1,893.77	-7,285.89	7,871.83	7,841.09	30.74	256.066							
3,500.00	3,259.62	2,437.38	2,425.02	21.73	11.34	105.60	-1,884.14	-7,299.92	7,896.43	7,864.45	31.98	246.922							
3,600.00	3,349.29	2,538.74	2,525.42	22.47	11.83	105.99	-1,876.05	-7,311.24	7,920.94	7,887.81	33.13	239.120							
3,700.00	3,438.96	2,619.96	2,605.85	23.21	12.22	106.30	-1,869.24	-7,320.32	7,945.74	7,911.56	34.17	232.523							
3,800.00	3,528.64	2,692.87	2,678.06	23.95	12.58	106.57	-1,863.49	-7,328.47	7,970.88	7,935.70	35.18	226.600							
3,900.00	3,618.31	2,751.25	2,735.89	24.69	12.87	106.79	-1,859.01	-7,335.14	7,996.54	7,960.43	36.10	221.482							
4,000.00	3,707.98	2,807.79	2,791.88	25.44	13.15	107.00	-1,854.68	-7,341.77	8,022.76	7,985.74	37.02	216.701							
4,100.00	3,797.65	2,863.86	2,847.36	26.18	13.43	107.21	-1,850.28	-7,348.56	8,049.56	8,011.62	37.93	212.195							
4,200.00	3,887.32	2,935.63	2,918.35	26.93	13.79	107.48	-1,844.49	-7,357.42	8,076.85	8,037.92	38.93	207.481							
4,300.00	3,976.99	3,000.00	3,020.36	27.68	14.07	107.86	-1,836.37	-7,370.01	8,104.31	8,058.40	45.91	176.519							
4,400.00	4,066.67	3,151.97	3,132.46	28.42	14.87	108.27	-1,827.81	-7,383.43	8,131.75	8,090.46	41.29	196.939							
4,500.00	4,156.34	3,195.07	3,175.12	29.17	15.09	108.43	-1,824.47	-7,388.63	8,159.66	8,117.53	42.13	193.686							
4,600.00	4,246.01	3,241.00	3,220.55	29.92	15.33	108.60	-1,820.88	-7,394.37	8,188.23	8,145.26	42.98	190.528							
4,700.00	4,335.68	3,361.55	3,338.43	30.67	16.92	109.71	-1,801.01	-7,430.44	8,216.09	8,170.82	45.27	181.511							
4,800.00	4,425.35	3,634.21	3,610.56	31.42	17.27	109.97	-1,796.00	-7,437.64	8,243.03	8,196.77	46.25	178.214							
4,900.00	4,515.03	3,729.96	3,705.54	32.17	17.74	110.31	-1,788.59	-7,447.14	8,270.21	8,222.85	47.36	174.610							

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 146-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	3,826.92	3,801.75	32.92	18.22	110.65	-1,781.11	-7,456.66	8,297.58	8,249.10	48.48	171.153			
5,100.00	4,694.37	3,932.34	3,906.30	33.67	18.75	111.02	-1,772.09	-7,466.57	8,324.82	8,275.18	49.64	167.698			
5,200.00	4,784.04	3,975.82	3,949.40	34.42	18.96	111.17	-1,768.17	-7,470.78	8,352.60	8,302.13	50.47	165.490			
5,300.00	4,873.71	4,020.52	3,993.69	35.17	19.19	111.33	-1,764.16	-7,475.32	8,381.05	8,329.75	51.30	163.358			
5,400.00	4,963.38	4,067.02	4,039.73	35.92	19.42	111.50	-1,759.89	-7,480.24	8,410.14	8,358.00	52.14	161.288			
5,500.00	5,053.06	4,153.80	4,125.60	36.67	19.87	111.80	-1,751.60	-7,489.73	8,439.79	8,386.58	53.20	158.637			
5,600.00	5,142.73	4,265.37	4,236.04	37.43	20.43	112.20	-1,741.11	-7,501.50	8,469.35	8,414.96	54.39	155.704			
5,700.00	5,232.40	4,376.20	4,345.93	38.18	20.99	112.57	-1,732.36	-7,512.93	8,498.98	8,443.40	55.58	152.925			
5,800.00	5,322.07	4,468.62	4,576.86	38.93	22.13	113.33	-1,718.34	-7,534.95	8,528.31	8,470.91	57.40	148.574			
5,900.00	5,411.74	4,556.44	4,523.38	39.68	24.96	115.22	-1,706.10	-7,569.72	8,554.31	8,493.11	61.20	139.772			
6,000.00	5,501.42	4,648.09	4,615.02	40.44	25.34	115.47	-1,705.55	-7,571.60	8,577.19	8,514.94	62.25	137.777			
6,100.00	5,591.09	4,740.38	4,707.28	41.19	25.76	115.75	-1,705.02	-7,573.65	8,600.21	8,536.86	63.35	135.748			
6,200.00	5,680.76	4,832.08	4,798.97	41.94	26.22	116.06	-1,705.10	-7,575.57	8,623.06	8,558.55	64.51	133.671			
6,300.00	5,770.43	4,923.80	4,890.29	42.70	26.53	116.27	-1,705.33	-7,576.87	8,646.11	8,580.62	65.49	132.023			
6,400.00	5,860.10	5,015.52	4,982.02	43.45	26.84	116.48	-1,705.24	-7,578.28	8,669.47	8,603.00	66.47	130.434			
6,500.00	5,949.77	5,107.24	5,073.73	44.20	27.27	116.76	-1,705.10	-7,580.16	8,692.98	8,625.40	67.58	128.641			
6,600.00	6,039.45	5,198.96	5,164.81	44.96	27.63	117.00	-1,704.89	-7,581.68	8,716.59	8,647.99	68.61	127.054			
6,700.00	6,129.12	5,290.68	5,256.04	45.71	27.94	117.20	-1,704.80	-7,583.05	8,740.45	8,670.88	69.57	125.631			
6,800.00	6,218.79	5,382.40	5,347.69	46.46	28.54	117.58	-1,705.20	-7,585.58	8,764.46	8,693.58	70.88	123.657			
6,900.00	6,308.46	5,474.12	5,439.02	47.22	29.01	117.89	-1,705.78	-7,586.63	8,787.74	8,715.71	72.03	121.995			
6,969.86	6,371.11	5,530.88	5,495.46	47.75	29.24	118.04	-1,706.10	-7,587.25	8,804.22	8,731.49	72.74	121.043			
7,000.00	6,398.25	5,557.02	5,521.98	47.97	29.39	112.88	-1,706.33	-7,587.61	8,810.64	8,737.54	73.09	120.542			
7,050.00	6,443.70	5,602.47	5,566.93	48.31	34.29	101.08	-2,476.89	-7,580.28	8,815.81	8,735.55	80.25	109.851			
7,100.00	6,489.42	5,648.00	5,612.95	48.61	34.29	90.97	-2,476.89	-7,580.28	8,813.47	8,732.90	80.57	109.394			
7,150.00	6,535.12	5,693.52	5,658.48	48.87	34.29	80.90	-2,476.89	-7,580.28	8,807.50	8,726.66	80.84	108.945			
7,200.00	6,580.53	5,739.03	5,703.99	49.09	34.56	71.34	-2,506.20	-7,579.90	8,797.73	8,716.37	81.36	108.133			
7,250.00	6,625.36	5,784.44	5,749.40	49.27	34.61	63.01	-2,511.56	-7,579.87	8,784.53	8,702.93	81.61	107.645			
7,300.00	6,669.35	5,829.85	5,794.81	49.42	34.66	55.94	-2,516.74	-7,579.85	8,767.83	8,686.02	81.81	107.172			
7,350.00	6,712.21	5,875.26	5,840.22	49.55	34.70	50.07	-2,521.70	-7,579.84	8,747.72	8,665.75	81.97	106.713			
7,400.00	6,753.69	5,920.67	5,885.63	49.65	34.96	45.10	-2,549.80	-7,579.98	8,724.43	8,642.10	82.33	105.975			
7,450.00	6,793.52	5,966.08	5,931.04	49.73	34.96	41.19	-2,549.80	-7,579.98	8,697.76	8,615.39	82.38	105.584			
7,500.00	6,831.47	6,011.49	5,976.45	49.81	34.96	38.00	-2,549.80	-7,579.98	8,668.06	8,585.65	82.40	105.190			
7,550.00	6,867.30	6,056.90	6,021.86	49.88	34.96	35.42	-2,549.80	-7,579.98	8,635.46	8,553.05	82.41	104.789			
7,600.00	6,900.78	6,102.31	6,067.27	49.95	34.96	33.32	-2,549.80	-7,579.98	8,600.14	8,517.74	82.40	104.376			
7,650.00	6,931.72	6,147.72	6,112.68	50.03	34.96	31.64	-2,549.80	-7,579.98	8,562.28	8,479.91	82.37	103.949			
7,700.00	6,959.92	6,193.13	6,158.09	50.11	34.96	30.32	-2,549.80	-7,579.98	8,522.09	8,439.76	82.33	103.506			
7,750.00	6,985.20	6,238.54	6,203.50	50.20	34.96	29.33	-2,549.80	-7,579.98	8,479.78	8,397.48	82.29	103.043			
7,800.00	7,007.41	6,283.95	6,248.91	50.30	34.96	28.65	-2,549.80	-7,579.98	8,435.58	8,353.33	82.25	102.560			
7,850.00	7,026.42	6,329.36	6,294.32	50.42	35.06	28.14	-2,560.00	-7,580.11	8,389.72	8,307.41	82.31	101.926			
7,900.00	7,042.11	6,374.77	6,339.73	50.57	35.09	28.14	-2,562.61	-7,580.14	8,342.48	8,260.18	82.30	101.368			
7,950.00	7,054.37	6,420.18	6,385.14	50.73	35.11	28.78	-2,564.69	-7,580.17	8,294.13	8,211.84	82.29	100.796			
8,000.00	7,063.14	6,465.59	6,430.55	50.92	35.12	30.83	-2,566.23	-7,580.19	8,244.94	8,162.66	82.28	100.211			
8,050.00	7,068.36	6,510.99	6,475.95	51.13	35.13	38.89	-2,567.22	-7,580.21	8,195.21	8,112.94	82.27	99.614			
8,094.17	7,070.00	6,556.40	6,521.36	51.34	35.13	138.10	-2,567.63	-7,580.21	8,151.07	8,068.80	82.27	99.080			
8,100.00	7,070.03	6,561.81	6,526.77	51.37	35.13	138.10	-2,567.65	-7,580.21	8,145.24	8,062.98	82.27	99.009			
8,200.00	7,070.55	6,607.22	6,572.18	51.94	35.14	138.23	-2,568.08	-7,580.22	8,045.26	7,962.99	82.27	97.792			
8,300.00	7,071.07	6,652.63	6,617.59	52.64	35.14	138.36	-2,568.51	-7,580.23	7,945.28	7,863.01	82.27	96.574			
8,400.00	7,071.60	6,698.04	6,662.99	53.49	35.15	138.48	-2,568.95	-7,580.23	7,845.30	7,763.02	82.27	95.355			
8,500.00	7,072.12	6,743.45	6,708.41	54.50	35.15	138.62	-2,569.40	-7,580.24	7,745.31	7,663.04	82.28	94.135			
8,600.00	7,072.64	6,788.86	6,753.82	55.69	35.16	138.75	-2,569.86	-7,580.25	7,645.33	7,563.05	82.28	92.915			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,073.17	7,737.53	7,213.41	57.04	35.16	138.89	-2,570.32	-7,580.25	7,545.35	7,463.06	82.29	91.693		
8,800.00	7,073.69	7,738.00	7,213.42	58.55	35.16	139.03	-2,570.80	-7,580.26	7,445.37	7,363.07	82.30	90.471		
8,900.00	7,074.21	7,738.48	7,213.42	60.21	35.17	139.17	-2,571.28	-7,580.27	7,345.39	7,263.09	82.30	89.248		
9,000.00	7,074.74	7,747.00	7,213.49	61.99	35.25	141.81	-2,579.79	-7,580.41	7,245.42	7,163.02	82.40	87.932		
9,100.00	7,075.26	7,747.00	7,213.49	63.88	35.25	141.81	-2,579.79	-7,580.41	7,145.44	7,063.04	82.40	86.714		
9,200.00	7,075.78	7,747.00	7,213.49	65.87	35.25	141.81	-2,579.79	-7,580.41	7,045.46	6,963.05	82.41	85.495		
9,300.00	7,076.30	7,747.00	7,213.49	67.95	35.25	141.81	-2,579.79	-7,580.41	6,945.48	6,863.07	82.41	84.276		
9,400.00	7,076.83	7,747.00	7,213.49	70.09	35.25	141.81	-2,579.79	-7,580.41	6,845.50	6,763.08	82.42	83.056		
9,500.00	7,077.35	7,747.00	7,213.49	72.30	35.25	141.81	-2,579.79	-7,580.41	6,745.52	6,663.10	82.43	81.836		
9,600.00	7,077.87	7,747.00	7,213.49	74.57	35.25	141.81	-2,579.79	-7,580.41	6,645.55	6,563.11	82.44	80.615		
9,700.00	7,078.40	7,747.00	7,213.49	76.88	35.25	141.81	-2,579.79	-7,580.41	6,545.57	6,463.12	82.44	79.394		
9,800.00	7,078.92	7,747.00	7,213.49	79.24	35.25	141.81	-2,579.79	-7,580.41	6,445.59	6,363.14	82.45	78.172		
9,900.00	7,079.44	7,747.00	7,213.49	81.63	35.25	141.81	-2,579.79	-7,580.41	6,345.62	6,263.15	82.46	76.950		
10,000.00	7,079.97	7,747.00	7,213.49	84.06	35.25	141.81	-2,579.79	-7,580.41	6,245.64	6,163.17	82.48	75.727		
10,100.00	7,080.49	7,747.00	7,213.49	86.52	35.25	141.81	-2,579.79	-7,580.41	6,145.67	6,063.18	82.49	74.504		
10,200.00	7,081.01	7,747.00	7,213.49	89.01	35.25	141.81	-2,579.79	-7,580.41	6,045.69	5,963.19	82.50	73.281		
10,300.00	7,081.54	7,747.00	7,213.49	91.52	35.25	141.81	-2,579.79	-7,580.41	5,945.72	5,863.21	82.51	72.057		
10,400.00	7,082.06	7,747.00	7,213.49	94.05	35.25	141.81	-2,579.79	-7,580.41	5,845.75	5,763.22	82.53	70.833		
10,500.00	7,082.58	7,747.00	7,213.49	96.61	35.25	141.81	-2,579.79	-7,580.41	5,745.78	5,663.24	82.54	69.609		
10,600.00	7,083.10	7,747.00	7,213.49	99.18	35.25	141.81	-2,579.79	-7,580.41	5,645.81	5,563.25	82.56	68.385		
10,700.00	7,083.63	7,747.00	7,213.49	101.77	35.25	141.81	-2,579.79	-7,580.41	5,545.84	5,463.27	82.58	67.160		
10,800.00	7,084.15	7,747.00	7,213.49	104.38	35.25	141.81	-2,579.79	-7,580.41	5,445.88	5,363.28	82.59	65.935		
10,900.00	7,084.67	7,747.00	7,213.49	107.00	35.25	141.81	-2,579.79	-7,580.41	5,345.91	5,263.30	82.61	64.711		
11,000.00	7,085.20	7,747.00	7,213.49	109.63	35.25	141.81	-2,579.79	-7,580.41	5,245.95	5,163.31	82.63	63.486		
11,100.00	7,085.72	7,747.00	7,213.49	112.27	35.25	141.81	-2,579.79	-7,580.41	5,145.98	5,063.33	82.65	62.261		
11,200.00	7,086.24	7,747.00	7,213.49	114.93	35.25	141.81	-2,579.79	-7,580.41	5,046.02	4,963.35	82.67	61.035		
11,300.00	7,086.77	7,747.00	7,213.49	117.59	35.25	141.81	-2,579.79	-7,580.41	4,946.06	4,863.36	82.70	59.810		
11,400.00	7,087.29	7,747.00	7,213.49	120.27	35.25	141.81	-2,579.79	-7,580.41	4,846.10	4,763.38	82.72	58.585		
11,500.00	7,087.81	7,747.00	7,213.49	122.95	35.25	141.81	-2,579.79	-7,580.41	4,746.15	4,663.40	82.74	57.360		
11,600.00	7,088.33	7,747.00	7,213.49	125.64	35.25	141.81	-2,579.79	-7,580.41	4,646.19	4,563.42	82.77	56.135		
11,700.00	7,088.86	7,747.00	7,213.49	128.34	35.25	141.81	-2,579.79	-7,580.41	4,546.24	4,463.44	82.79	54.910		
11,800.00	7,089.38	7,755.32	7,213.54	131.05	35.33	144.57	-2,588.11	-7,580.57	4,446.27	4,363.34	82.93	53.617		
11,900.00	7,089.90	7,756.05	7,213.54	133.76	35.34	144.83	-2,588.84	-7,580.59	4,346.32	4,263.35	82.96	52.388		
12,000.00	7,090.43	7,756.80	7,213.55	136.49	35.35	145.09	-2,589.59	-7,580.60	4,246.37	4,163.36	83.00	51.159		
12,100.00	7,090.95	7,757.57	7,213.55	139.21	35.36	145.36	-2,590.36	-7,580.62	4,146.42	4,063.37	83.04	49.930		
12,200.00	7,091.47	7,758.37	7,213.55	141.94	35.36	145.63	-2,591.15	-7,580.63	4,046.47	3,963.38	83.09	48.702		
12,300.00	7,092.00	7,759.18	7,213.55	144.68	35.37	145.92	-2,591.97	-7,580.65	3,946.53	3,863.40	83.13	47.474		
12,400.00	7,092.52	7,760.02	7,213.56	147.42	35.38	146.22	-2,592.81	-7,580.67	3,846.59	3,763.41	83.18	46.246		
12,500.00	7,093.04	7,760.89	7,213.56	150.17	35.39	146.53	-2,593.68	-7,580.69	3,746.65	3,663.42	83.22	45.019		
12,600.00	7,093.57	7,761.78	7,213.56	152.92	35.40	146.85	-2,594.57	-7,580.71	3,646.71	3,563.44	83.27	43.793		
12,700.00	7,094.09	7,762.70	7,213.56	155.67	35.41	147.19	-2,595.49	-7,580.73	3,546.78	3,463.46	83.32	42.566		
12,800.00	7,094.61	7,763.65	7,213.56	158.43	35.42	147.54	-2,596.44	-7,580.75	3,446.85	3,363.47	83.38	41.341		
12,900.00	7,095.13	7,764.63	7,213.56	161.19	35.43	147.90	-2,597.42	-7,580.78	3,346.93	3,263.49	83.43	40.116		
13,000.00	7,095.66	7,765.64	7,213.57	163.96	35.44	148.28	-2,598.43	-7,580.80	3,247.00	3,163.51	83.49	38.891		
13,100.00	7,096.18	7,766.69	7,213.57	166.73	35.45	148.67	-2,599.47	-7,580.83	3,147.09	3,063.54	83.55	37.667		
13,200.00	7,096.70	7,767.77	7,213.57	169.50	35.46	149.08	-2,600.55	-7,580.85	3,047.17	2,963.56	83.61	36.444		
13,256.62	7,097.00	7,768.40	7,213.57	171.07	35.46	149.32	-2,601.18	-7,580.87	2,990.61	2,906.96	83.65	35.752 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.00	0.00	0.00	0.00	3.28	3.28	-105.50	-1,972.05	-7,110.74	7,379.14						
100.00	100.00	113.61	113.61	3.28	3.29	-105.50	-1,972.24	-7,110.50	7,378.99	7,372.41	6.57	1,122.412			
200.00	200.00	204.74	204.73	3.34	3.33	-105.51	-1,972.73	-7,110.05	7,378.67	7,372.00	6.67	1,106.646			
248.00	248.00	238.00	238.00	3.38	3.36	-105.51	-1,973.02	-7,109.92	7,378.61	7,371.87	6.74	1,094.574			
300.00	300.00	263.28	263.27	3.44	3.38	-105.51	-1,973.26	-7,109.89	7,378.69	7,371.86	6.83	1,080.487			
400.00	399.98	306.93	306.93	3.60	3.43	100.98	-1,973.64	-7,110.13	7,379.77	7,372.74	7.03	1,049.497			
500.00	499.84	456.71	456.69	3.79	3.68	101.00	-1,975.14	-7,111.26	7,381.87	7,374.41	7.46	988.954			
600.00	599.45	583.83	583.80	4.02	3.96	101.03	-1,976.90	-7,111.02	7,383.71	7,375.73	7.98	925.287			
700.00	698.70	709.51	709.46	4.29	4.30	101.09	-1,978.32	-7,110.49	7,385.96	7,377.37	8.58	860.406			
800.00	797.47	800.49	800.44	4.59	4.57	101.13	-1,979.68	-7,109.93	7,388.80	7,379.64	9.16	806.696			
900.00	895.62	946.12	946.04	4.93	5.03	101.26	-1,981.76	-7,108.74	7,392.18	7,382.22	9.97	741.742			
1,000.00	993.06	1,044.21	1,044.12	5.31	5.36	101.35	-1,982.81	-7,107.53	7,395.78	7,385.10	10.67	693.021			
1,100.00	1,089.64	1,125.97	1,125.88	5.72	5.65	101.42	-1,983.17	-7,106.82	7,400.31	7,388.94	11.36	651.205			
1,200.00	1,185.27	1,223.46	1,223.36	6.16	6.00	101.52	-1,983.47	-7,106.15	7,405.75	7,393.60	12.15	609.301			
1,300.00	1,279.82	1,307.03	1,306.93	6.64	6.30	101.60	-1,983.77	-7,105.53	7,411.99	7,399.06	12.94	572.874			
1,400.00	1,373.17	1,404.66	1,404.56	7.16	6.67	101.72	-1,984.15	-7,104.99	7,419.25	7,405.43	13.82	536.988			
1,500.00	1,465.21	1,506.03	1,505.93	7.71	7.05	101.87	-1,984.16	-7,104.29	7,427.18	7,412.43	14.75	503.541			
1,600.00	1,555.84	1,606.35	1,606.25	8.31	7.44	102.01	-1,984.13	-7,103.55	7,435.99	7,420.26	15.72	472.910			
1,613.50	1,567.96	1,620.46	1,620.35	8.39	7.49	102.03	-1,984.12	-7,103.43	7,437.24	7,421.38	15.86	468.912			
1,700.00	1,645.53	1,684.64	1,684.53	8.93	7.74	102.25	-1,984.10	-7,102.93	7,445.44	7,428.79	16.65	447.216			
1,800.00	1,735.20	1,768.94	1,768.83	9.58	8.08	102.53	-1,984.19	-7,102.42	7,455.34	7,437.72	17.62	423.116			
1,900.00	1,824.87	1,845.20	1,845.09	10.25	8.38	102.78	-1,984.54	-7,101.86	7,465.45	7,446.88	18.57	401.935			
2,000.00	1,914.54	1,890.91	1,890.79	10.92	8.56	102.93	-1,984.55	-7,101.81	7,476.24	7,456.83	19.41	385.146			
2,100.00	2,004.21	1,939.13	1,939.02	11.61	8.74	103.09	-1,984.28	-7,102.10	7,487.81	7,467.54	20.26	369.510			
2,200.00	2,093.89	1,990.82	1,990.70	12.30	8.93	103.27	-1,983.65	-7,102.75	7,500.08	7,478.95	21.13	354.901			
2,300.00	2,183.56	2,049.57	2,049.42	13.01	9.16	103.48	-1,982.46	-7,103.87	7,513.04	7,491.00	22.04	340.951			
2,400.00	2,273.23	2,115.94	2,115.73	13.71	9.41	103.71	-1,980.34	-7,105.52	7,526.56	7,503.59	22.97	327.616			
2,500.00	2,362.90	2,215.84	2,215.47	14.43	9.79	104.08	-1,975.42	-7,108.38	7,540.43	7,516.37	24.05	313.489			
2,600.00	2,452.57	2,339.13	2,338.46	15.14	10.28	104.54	-1,967.47	-7,111.76	7,554.25	7,529.01	25.24	299.317			
2,700.00	2,542.25	2,416.95	2,416.04	15.87	10.59	104.84	-1,961.68	-7,113.83	7,568.19	7,541.95	26.24	288.377			
2,800.00	2,631.92	2,467.45	2,466.35	16.59	10.79	105.03	-1,957.66	-7,115.42	7,582.77	7,555.63	27.14	279.406			
2,900.00	2,721.59	2,552.28	2,550.82	17.32	11.14	105.36	-1,950.40	-7,118.44	7,597.96	7,569.78	28.18	269.600			
3,000.00	2,811.26	2,639.70	2,637.80	18.05	11.50	105.70	-1,942.17	-7,121.54	7,613.36	7,584.12	29.24	260.357			
3,100.00	2,900.93	2,707.73	2,705.43	18.78	11.78	105.97	-1,935.27	-7,124.09	7,629.19	7,598.97	30.22	252.446			
3,200.00	2,990.60	2,773.00	2,770.24	19.51	12.06	106.23	-1,928.06	-7,126.85	7,645.63	7,614.44	31.19	245.134			
3,300.00	3,080.28	2,827.38	2,824.20	20.25	12.29	106.45	-1,921.82	-7,129.35	7,662.68	7,630.57	32.11	238.630			
3,400.00	3,169.95	2,896.49	2,892.78	20.99	12.59	106.73	-1,913.99	-7,132.67	7,680.30	7,647.21	33.10	232.037			
3,500.00	3,259.62	2,963.00	2,958.83	21.73	12.88	106.99	-1,906.83	-7,135.89	7,698.37	7,664.29	34.08	225.916			
3,600.00	3,349.29	3,018.82	3,014.27	22.47	13.12	107.21	-1,900.99	-7,138.73	7,717.03	7,682.03	35.00	220.467			
3,700.00	3,438.96	3,071.89	3,066.96	23.21	13.35	107.42	-1,895.41	-7,141.72	7,736.43	7,700.51	35.92	215.408			
3,800.00	3,528.64	3,150.33	3,144.84	23.95	13.70	107.73	-1,887.24	-7,146.27	7,756.33	7,719.38	36.95	209.929			
3,900.00	3,618.31	3,328.28	3,321.69	24.69	14.49	108.41	-1,869.83	-7,155.54	7,776.15	7,737.69	38.46	202.202			
4,000.00	3,707.98	3,412.34	3,405.24	25.44	14.86	108.74	-1,861.44	-7,159.34	7,795.67	7,756.15	39.52	197.256			
4,100.00	3,797.65	3,519.37	3,511.59	26.18	15.34	109.15	-1,850.35	-7,164.19	7,815.50	7,774.80	40.70	192.043			
4,200.00	3,887.32	3,593.82	3,585.56	26.93	15.68	109.43	-1,842.58	-7,167.43	7,835.49	7,793.77	41.71	187.835			
4,300.00	3,976.99	3,653.95	3,645.30	27.68	15.95	109.66	-1,836.34	-7,170.17	7,855.99	7,813.33	42.66	184.151			
4,400.00	4,066.67	3,705.84	3,696.86	28.42	16.19	109.86	-1,831.01	-7,172.74	7,877.13	7,833.57	43.56	180.820			
4,500.00	4,156.34	3,783.84	3,774.35	29.17	16.55	110.16	-1,823.11	-7,176.83	7,898.84	7,854.24	44.59	177.128			
4,600.00	4,246.01	3,845.39	3,835.50	29.92	16.83	110.39	-1,816.96	-7,180.07	7,920.90	7,875.36	45.54	173.930			
4,700.00	4,335.68	3,888.82	3,878.62	30.67	17.03	110.55	-1,812.37	-7,182.58	7,943.67	7,897.27	46.39	171.228			
4,800.00	4,425.35	3,943.32	3,932.67	31.42	17.28	110.76	-1,806.29	-7,186.01	7,967.14	7,919.84	47.30	168.445			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,515.03	4,013.01	4,001.76	32.17	17.61	111.03	-1,798.35	-7,190.55	7,991.12	7,942.84	48.28	165.513			
5,000.00	4,604.70	4,093.57	4,081.57	32.92	17.99	111.34	-1,788.82	-7,195.88	8,015.50	7,966.18	49.32	162.518			
5,100.00	4,694.37	4,264.69	4,251.17	33.67	18.80	111.99	-1,768.46	-7,205.89	8,039.36	7,988.52	50.84	158.131			
5,200.00	4,784.04	5,200.00	4,416.07	34.42	23.21	112.61	-1,750.31	-7,214.51	8,063.33	8,007.43	55.90	144.246			
5,300.00	4,873.71	4,566.77	4,551.15	35.17	20.22	113.11	-1,735.83	-7,220.06	8,086.47	8,032.82	53.65	150.718			
5,400.00	4,963.38	4,706.44	4,689.99	35.92	20.88	113.61	-1,721.48	-7,224.90	8,109.41	8,054.41	54.99	147.458			
5,500.00	5,053.06	4,812.66	4,795.77	36.67	21.36	113.98	-1,712.45	-7,228.23	8,132.38	8,076.23	56.16	144.819			
5,600.00	5,142.73	4,913.39	4,896.22	37.43	21.82	114.32	-1,705.43	-7,231.02	8,155.26	8,097.97	57.28	142.374			
5,700.00	5,232.40	5,205.87	5,188.42	38.18	23.08	115.24	-1,694.68	-7,235.54	8,177.17	8,117.85	59.32	137.843			
5,800.00	5,322.07	5,272.42	5,254.96	38.93	23.36	115.43	-1,693.80	-7,235.88	8,198.42	8,138.16	60.26	136.046			
5,900.00	5,411.74	5,338.00	5,320.54	39.68	23.64	115.62	-1,693.18	-7,236.42	8,220.13	8,158.93	61.19	134.330			
6,000.00	5,501.42	5,392.33	5,374.87	40.44	23.86	115.78	-1,692.85	-7,237.06	8,242.34	8,180.27	62.07	132.797			
6,100.00	5,591.09	5,433.00	5,415.53	41.19	24.03	115.90	-1,692.70	-7,237.69	8,265.13	8,202.26	62.87	131.461			
6,200.00	5,680.76	5,496.07	5,478.59	41.94	24.29	116.08	-1,692.59	-7,238.97	8,288.48	8,224.70	63.78	129.959			
6,300.00	5,770.43	5,771.57	5,754.01	42.70	25.39	116.82	-1,696.83	-7,241.91	8,310.66	8,244.99	65.67	126.547			
6,400.00	5,860.10	5,855.88	5,838.32	43.45	25.72	117.05	-1,698.29	-7,242.06	8,332.58	8,265.90	66.67	124.974			
6,500.00	5,949.77	5,931.97	5,914.40	44.20	26.03	117.25	-1,699.27	-7,242.28	8,354.78	8,287.14	67.64	123.522			
6,600.00	6,039.45	6,003.00	5,985.42	44.96	26.31	117.44	-1,699.97	-7,242.62	8,377.33	8,308.75	68.58	122.158			
6,700.00	6,129.12	6,086.53	6,068.95	45.71	26.65	117.67	-1,700.67	-7,243.14	8,400.18	8,330.61	69.58	120.734			
6,800.00	6,218.79	6,170.62	6,153.03	46.46	26.99	117.89	-1,701.39	-7,243.72	8,423.27	8,352.69	70.58	119.351			
6,900.00	6,308.46	6,249.69	6,232.10	47.22	27.32	118.10	-1,702.12	-7,244.34	8,446.60	8,375.05	71.55	118.050			
6,969.86	6,371.11	6,300.35	6,282.75	47.75	27.52	118.24	-1,702.54	-7,244.80	8,463.08	8,390.87	72.21	117.202			
7,000.00	6,398.25	6,318.84	6,301.24	47.97	27.60	118.03	-1,702.65	-7,244.99	8,469.56	8,397.08	72.47	116.864			
7,050.00	6,443.70	6,349.76	6,332.16	48.31	27.73	103.57	-1,702.80	-7,245.35	8,477.31	8,404.41	72.90	116.292			
7,100.00	6,489.42	8,284.00	7,262.63	48.61	40.61	87.63	-3,047.22	-7,216.76	8,477.79	8,390.11	87.68	96.691			
7,150.00	6,535.12	8,284.00	7,262.63	48.87	40.61	77.53	-3,047.22	-7,216.76	8,470.04	8,382.08	87.96	96.295			
7,200.00	6,580.53	8,284.00	7,262.63	49.09	40.61	68.08	-3,047.22	-7,216.76	8,458.73	8,370.53	88.20	95.907			
7,250.00	6,625.36	8,284.00	7,262.63	49.27	40.61	59.72	-3,047.22	-7,216.76	8,443.90	8,355.51	88.39	95.527			
7,300.00	6,669.35	8,284.00	7,262.63	49.42	40.61	52.58	-3,047.22	-7,216.76	8,425.64	8,337.09	88.55	95.154			
7,350.00	6,712.21	8,284.00	7,262.63	49.55	40.61	46.61	-3,047.22	-7,216.76	8,404.03	8,315.36	88.66	94.785			
7,400.00	6,753.69	8,284.00	7,262.63	49.65	40.61	41.68	-3,047.22	-7,216.76	8,379.18	8,290.43	88.75	94.416			
7,450.00	6,793.52	8,284.00	7,262.63	49.73	40.61	37.58	-3,047.22	-7,216.76	8,351.21	8,262.41	88.80	94.043			
7,500.00	6,831.47	8,284.00	7,262.63	49.81	40.61	34.17	-3,047.22	-7,216.76	8,320.28	8,231.44	88.83	93.663			
7,550.00	6,867.30	8,284.00	7,262.63	49.88	40.61	31.31	-3,047.22	-7,216.76	8,286.52	8,197.68	88.84	93.273			
7,600.00	6,900.78	8,284.00	7,262.63	49.95	40.61	28.86	-3,047.22	-7,216.76	8,250.13	8,161.30	88.84	92.869			
7,650.00	6,931.72	8,284.00	7,262.63	50.03	40.61	26.74	-3,047.22	-7,216.76	8,211.29	8,122.48	88.82	92.451			
7,700.00	6,959.92	8,284.00	7,262.63	50.11	40.61	24.84	-3,047.22	-7,216.76	8,170.21	8,081.42	88.79	92.015			
7,750.00	6,985.20	8,284.00	7,262.63	50.20	40.61	23.08	-3,047.22	-7,216.76	8,127.11	8,038.35	88.76	91.561			
7,800.00	7,007.41	8,297.71	7,262.09	50.30	40.80	21.11	-3,060.90	-7,216.03	8,082.14	7,993.20	88.94	90.876			
7,850.00	7,026.42	8,298.40	7,262.06	50.42	40.81	19.17	-3,061.59	-7,216.00	8,035.71	7,946.79	88.92	90.374			
7,900.00	7,042.11	8,298.90	7,262.04	50.57	40.82	16.72	-3,062.09	-7,215.97	7,988.00	7,899.10	88.90	89.857			
7,950.00	7,054.37	8,299.23	7,262.03	50.73	40.82	12.94	-3,062.41	-7,215.96	7,939.30	7,850.42	88.88	89.325			
8,000.00	7,063.14	8,299.36	7,262.03	50.92	40.82	4.85	-3,062.54	-7,215.95	7,889.89	7,801.02	88.87	88.779			
8,050.00	7,068.36	8,299.30	7,262.03	51.13	40.82	-27.67	-3,062.48	-7,215.96	7,840.05	7,751.19	88.87	88.222			
8,094.17	7,070.00	8,299.08	7,262.04	51.34	40.82	-112.26	-3,062.26	-7,215.97	7,795.92	7,707.05	88.87	87.721			
8,100.00	7,070.03	8,299.04	7,262.04	51.37	40.82	-112.26	-3,062.23	-7,215.97	7,790.10	7,701.23	88.87	87.655			
8,200.00	7,070.55	8,298.36	7,262.06	51.94	40.81	-112.30	-3,061.55	-7,216.00	7,690.26	7,601.37	88.89	86.515			
8,300.00	7,071.07	8,297.67	7,262.09	52.64	40.80	-112.34	-3,060.86	-7,216.03	7,590.41	7,501.50	88.91	85.373			
8,400.00	7,071.60	8,284.00	7,262.63	53.49	40.61	-113.13	-3,047.22	-7,216.76	7,490.65	7,401.92	88.73	84.422			
8,500.00	7,072.12	8,284.00	7,262.63	54.50	40.61	-113.13	-3,047.22	-7,216.76	7,390.80	7,302.04	88.76	83.266			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	8,284.00	7,262.63	55.69	40.61	-113.13	-3,047.22	-7,216.76	7,290.96	7,202.16	88.80	82.109		
8,700.00	7,073.17	8,284.00	7,262.63	57.04	40.61	-113.13	-3,047.22	-7,216.76	7,191.12	7,102.29	88.83	80.951		
8,800.00	7,073.69	8,284.00	7,262.63	58.55	40.61	-113.13	-3,047.22	-7,216.76	7,091.29	7,002.42	88.87	79.792		
8,900.00	7,074.21	8,284.00	7,262.63	60.21	40.61	-113.13	-3,047.22	-7,216.76	6,991.46	6,902.55	88.91	78.632		
9,000.00	7,074.74	8,284.00	7,262.63	61.99	40.61	-113.13	-3,047.22	-7,216.76	6,891.64	6,802.68	88.96	77.471		
9,100.00	7,075.26	8,284.00	7,262.63	63.88	40.61	-113.13	-3,047.22	-7,216.76	6,791.82	6,702.81	89.00	76.309		
9,200.00	7,075.78	8,284.00	7,262.63	65.87	40.61	-113.13	-3,047.22	-7,216.76	6,692.01	6,602.95	89.05	75.145		
9,300.00	7,076.30	8,284.00	7,262.63	67.95	40.61	-113.13	-3,047.22	-7,216.76	6,592.20	6,503.09	89.11	73.981		
9,400.00	7,076.83	8,284.00	7,262.63	70.09	40.61	-113.13	-3,047.22	-7,216.76	6,492.40	6,403.24	89.16	72.816		
9,500.00	7,077.35	8,284.00	7,262.63	72.30	40.61	-113.13	-3,047.22	-7,216.76	6,392.60	6,303.38	89.22	71.650		
9,600.00	7,077.87	8,284.00	7,262.63	74.57	40.61	-113.13	-3,047.22	-7,216.76	6,292.81	6,203.53	89.28	70.483		
9,700.00	7,078.40	8,284.00	7,262.63	76.88	40.61	-113.13	-3,047.22	-7,216.76	6,193.03	6,103.69	89.35	69.315		
9,800.00	7,078.92	8,284.00	7,262.63	79.24	40.61	-113.13	-3,047.22	-7,216.76	6,093.26	6,003.84	89.41	68.147		
9,900.00	7,079.44	8,284.00	7,262.63	81.63	40.61	-113.13	-3,047.22	-7,216.76	5,993.49	5,904.01	89.49	66.977		
10,000.00	7,079.97	8,284.00	7,262.63	84.06	40.61	-113.13	-3,047.22	-7,216.76	5,893.73	5,804.17	89.56	65.806		
10,100.00	7,080.49	8,284.00	7,262.63	86.52	40.61	-113.13	-3,047.22	-7,216.76	5,793.98	5,704.34	89.64	64.635		
10,200.00	7,081.01	8,284.00	7,262.63	89.01	40.61	-113.13	-3,047.22	-7,216.76	5,694.24	5,604.51	89.73	63.462		
10,300.00	7,081.54	8,284.00	7,262.63	91.52	40.61	-113.13	-3,047.22	-7,216.76	5,594.51	5,504.69	89.82	62.289		
10,400.00	7,082.06	8,284.00	7,262.63	94.05	40.61	-113.13	-3,047.22	-7,216.76	5,494.78	5,404.87	89.91	61.114		
10,500.00	7,082.58	8,284.00	7,262.63	96.61	40.61	-113.13	-3,047.22	-7,216.76	5,395.07	5,305.06	90.01	59.939		
10,600.00	7,083.10	8,284.00	7,262.63	99.18	40.61	-113.13	-3,047.22	-7,216.76	5,295.37	5,205.25	90.11	58.763		
10,700.00	7,083.63	8,284.00	7,262.63	101.77	40.61	-113.13	-3,047.22	-7,216.76	5,195.68	5,105.45	90.22	57.586		
10,800.00	7,084.15	8,271.54	7,263.13	104.38	40.43	-113.89	-3,034.79	-7,217.55	5,095.93	5,005.83	90.10	56.559		
10,900.00	7,084.67	8,269.94	7,263.19	107.00	40.41	-113.99	-3,033.20	-7,217.66	4,996.25	4,906.06	90.19	55.398		
11,000.00	7,085.20	8,268.28	7,263.25	109.63	40.39	-114.09	-3,031.55	-7,217.78	4,896.57	4,806.29	90.28	54.237		
11,100.00	7,085.72	8,266.58	7,263.31	112.27	40.36	-114.20	-3,029.85	-7,217.90	4,796.91	4,706.53	90.38	53.076		
11,200.00	7,086.24	8,264.81	7,263.37	114.93	40.34	-114.31	-3,028.09	-7,218.02	4,697.26	4,606.78	90.48	51.915		
11,300.00	7,086.77	8,254.00	7,263.73	117.59	40.19	-115.02	-3,017.31	-7,218.84	4,597.65	4,507.26	90.40	50.861		
11,400.00	7,087.29	8,254.00	7,263.73	120.27	40.19	-115.02	-3,017.31	-7,218.84	4,498.01	4,407.47	90.55	49.675		
11,500.00	7,087.81	8,254.00	7,263.73	122.95	40.19	-115.02	-3,017.31	-7,218.84	4,398.39	4,307.68	90.71	48.489		
11,600.00	7,088.33	8,254.00	7,263.73	125.64	40.19	-115.02	-3,017.31	-7,218.84	4,298.78	4,207.90	90.88	47.302		
11,700.00	7,088.86	8,254.00	7,263.73	128.34	40.19	-115.02	-3,017.31	-7,218.84	4,199.20	4,108.14	91.06	46.115		
11,800.00	7,089.38	8,254.00	7,263.73	131.05	40.19	-115.02	-3,017.31	-7,218.84	4,099.63	4,008.37	91.25	44.926		
11,900.00	7,089.90	8,254.00	7,263.73	133.76	40.19	-115.02	-3,017.31	-7,218.84	4,000.08	3,908.62	91.46	43.736		
12,000.00	7,090.43	8,254.00	7,263.73	136.49	40.19	-115.02	-3,017.31	-7,218.84	3,900.56	3,808.88	91.68	42.545		
12,100.00	7,090.95	8,254.00	7,263.73	139.21	40.19	-115.02	-3,017.31	-7,218.84	3,801.06	3,709.15	91.92	41.354		
12,200.00	7,091.47	8,243.23	7,264.06	141.94	40.04	-115.76	-3,006.59	-7,219.74	3,701.54	3,609.66	91.88	40.288		
12,300.00	7,092.00	8,240.58	7,264.14	144.68	40.00	-115.94	-3,003.95	-7,219.98	3,602.06	3,510.00	92.06	39.125		
12,400.00	7,092.52	8,237.83	7,264.22	147.42	39.97	-116.14	-3,001.21	-7,220.22	3,502.61	3,410.35	92.26	37.963		
12,500.00	7,093.04	8,234.97	7,264.31	150.17	39.93	-116.35	-2,998.36	-7,220.49	3,403.19	3,310.72	92.47	36.801		
12,600.00	7,093.57	8,223.00	7,264.65	152.92	39.76	-117.24	-2,986.45	-7,221.64	3,303.83	3,211.41	92.42	35.748		
12,700.00	7,094.09	8,223.00	7,264.65	155.67	39.76	-117.24	-2,986.45	-7,221.64	3,204.44	3,111.69	92.75	34.550		
12,800.00	7,094.61	8,223.00	7,264.65	158.43	39.76	-117.24	-2,986.45	-7,221.64	3,105.08	3,011.98	93.10	33.352		
12,900.00	7,095.13	8,223.00	7,264.65	161.19	39.76	-117.24	-2,986.45	-7,221.64	3,005.77	2,912.29	93.49	32.152		
13,000.00	7,095.66	8,223.00	7,264.65	163.96	39.76	-117.24	-2,986.45	-7,221.64	2,906.51	2,812.61	93.90	30.952		
13,100.00	7,096.18	8,223.00	7,264.65	166.73	39.76	-117.24	-2,986.45	-7,221.64	2,807.30	2,712.94	94.36	29.750		
13,200.00	7,096.70	8,211.70	7,264.97	169.50	39.61	-118.13	-2,975.22	-7,222.83	2,708.08	2,613.67	94.41	28.685		
13,256.62	7,097.00	8,209.53	7,265.03	171.07	39.58	-118.31	-2,973.07	-7,223.07	2,651.94	2,557.33	94.61	28.030 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	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	231.46	231.38	3.28	3.36	-105.58	-1,973.62	-7,078.54	7,352.50						
100.00	100.00	319.33	319.21	3.28	3.46	-105.58	-1,973.03	-7,075.78	7,349.29	7,342.55	6.74	1,089.709			
200.00	200.00	367.97	367.83	3.34	3.53	-105.58	-1,972.92	-7,074.38	7,346.49	7,339.62	6.87	1,070.015			
300.00	300.00	422.00	421.84	3.44	3.62	-105.58	-1,971.87	-7,073.59	7,344.47	7,337.41	7.06	1,039.619			
400.00	399.98	457.49	457.31	3.60	3.69	100.96	-1,970.97	-7,073.40	7,343.51	7,336.23	7.28	1,008.496			
418.30	418.27	466.13	465.95	3.63	3.71	100.97	-1,970.79	-7,073.37	7,343.49	7,336.16	7.33	1,001.758			
500.00	499.84	513.00	512.82	3.79	3.81	100.99	-1,970.09	-7,073.36	7,343.96	7,336.37	7.59	968.112			
600.00	599.45	603.72	603.54	4.02	4.02	101.02	-1,969.47	-7,073.41	7,345.48	7,337.45	8.03	914.771			
700.00	698.70	767.22	767.02	4.29	4.47	101.15	-1,967.91	-7,072.40	7,346.85	7,338.10	8.75	839.621			
800.00	797.47	867.11	866.90	4.59	4.78	101.24	-1,966.60	-7,071.66	7,348.85	7,339.49	9.36	784.784			
900.00	895.62	939.84	939.63	4.93	5.01	101.29	-1,965.95	-7,071.14	7,351.72	7,341.78	9.94	739.539			
1,000.00	993.06	1,076.79	1,076.56	5.31	5.48	101.47	-1,964.12	-7,070.41	7,355.43	7,344.65	10.78	682.187			
1,100.00	1,089.64	1,140.83	1,140.59	5.72	5.71	101.52	-1,962.96	-7,070.08	7,359.75	7,348.33	11.42	644.658			
1,200.00	1,185.27	1,197.91	1,197.66	6.16	5.91	101.55	-1,961.92	-7,070.00	7,365.24	7,353.18	12.06	610.601			
1,300.00	1,279.82	2,053.30	2,050.49	6.64	9.32	103.82	-1,926.38	-7,032.74	7,368.77	7,352.90	15.86	464.512			
1,400.00	1,373.17	2,107.00	2,103.80	7.16	9.56	104.02	-1,921.61	-7,028.38	7,367.10	7,350.50	16.60	443.717			
1,500.00	1,465.21	2,313.29	2,308.46	7.71	10.48	104.75	-1,903.59	-7,009.95	7,366.05	7,348.03	18.02	408.864			
1,581.83	1,539.48	2,354.58	2,349.43	8.20	10.67	104.91	-1,900.39	-7,005.89	7,365.49	7,346.82	18.68	394.356			
1,600.00	1,555.84	2,363.70	2,358.48	8.31	10.71	104.94	-1,899.72	-7,005.01	7,365.52	7,346.70	18.82	391.264			
1,613.50	1,567.96	2,370.46	2,365.19	8.39	10.74	104.97	-1,899.23	-7,004.36	7,365.58	7,346.64	18.94	388.963			
1,700.00	1,645.53	2,420.44	2,414.83	8.93	10.97	105.15	-1,895.73	-6,999.66	7,366.30	7,346.61	19.69	374.060			
1,800.00	1,735.20	2,488.00	2,481.94	9.58	11.28	105.40	-1,890.90	-6,993.53	7,367.68	7,347.06	20.63	357.208			
1,900.00	1,824.87	2,655.72	2,648.41	10.25	12.05	106.02	-1,877.73	-6,977.95	7,369.10	7,347.11	22.00	335.002			
2,000.00	1,914.54	2,810.65	2,801.98	10.92	12.78	106.60	-1,864.92	-6,962.06	7,369.89	7,346.56	23.33	315.899			
2,100.00	2,004.21	2,900.47	2,891.04	11.61	13.21	106.93	-1,859.27	-6,951.86	7,370.37	7,345.97	24.40	302.111			
2,200.00	2,093.89	2,963.00	2,953.10	12.30	13.50	107.15	-1,855.55	-6,945.09	7,371.61	7,346.25	25.36	290.727			
2,300.00	2,183.56	2,963.00	2,953.10	13.01	13.50	107.15	-1,855.55	-6,945.09	7,373.69	7,347.63	26.06	282.961			
2,400.00	2,273.23	3,014.36	3,004.11	13.71	13.74	107.34	-1,852.45	-6,940.07	7,376.62	7,349.64	26.98	273.386			
2,500.00	2,362.90	3,058.00	3,047.51	14.43	13.95	107.49	-1,849.78	-6,936.33	7,380.64	7,352.76	27.88	264.762			
2,600.00	2,452.57	3,246.00	3,234.26	15.14	14.84	108.18	-1,837.30	-6,918.70	7,383.97	7,354.58	29.39	251.212			
2,700.00	2,542.25	3,290.72	3,278.66	15.87	15.05	108.34	-1,834.15	-6,914.38	7,387.70	7,357.39	30.30	243.806			
2,800.00	2,631.92	3,341.00	3,328.65	16.59	15.29	108.52	-1,830.89	-6,910.07	7,392.51	7,361.27	31.23	236.674			
2,900.00	2,721.59	3,398.10	3,385.45	17.32	15.55	108.73	-1,827.32	-6,905.43	7,398.05	7,365.85	32.20	229.766			
3,000.00	2,811.26	3,544.54	3,531.03	18.05	16.25	109.26	-1,817.93	-6,892.68	7,403.45	7,369.90	33.55	220.665			
3,100.00	2,900.93	3,610.49	3,596.57	18.78	16.56	109.50	-1,813.48	-6,886.84	7,408.99	7,374.43	34.56	214.399			
3,200.00	2,990.60	4,020.79	4,003.39	19.51	18.56	110.99	-1,784.56	-6,842.55	7,413.25	7,376.21	37.05	200.110			
3,300.00	3,080.28	4,064.25	4,046.36	20.25	18.78	111.15	-1,780.87	-6,837.16	7,416.01	7,378.04	37.97	195.312			
3,400.00	3,169.95	4,102.00	4,083.69	20.99	18.98	111.29	-1,777.49	-6,832.63	7,419.53	7,380.66	38.87	190.889			
3,500.00	3,259.62	4,146.74	4,127.95	21.73	19.20	111.46	-1,773.39	-6,827.56	7,423.89	7,384.09	39.80	186.548			
3,600.00	3,349.29	4,197.00	4,177.73	22.47	19.45	111.65	-1,768.84	-6,822.32	7,429.23	7,388.48	40.75	182.326			
3,700.00	3,438.96	4,197.00	4,177.73	23.21	19.45	111.65	-1,768.84	-6,822.32	7,435.49	7,394.02	41.47	179.292			
3,800.00	3,528.64	4,245.76	4,226.08	23.95	19.69	111.83	-1,764.57	-6,817.76	7,442.64	7,400.23	42.41	175.496			
3,900.00	3,618.31	4,292.00	4,272.01	24.69	19.92	112.00	-1,760.73	-6,813.95	7,450.87	7,407.54	43.33	171.942			
4,000.00	3,707.98	4,319.99	4,299.83	25.44	20.05	112.10	-1,758.46	-6,811.83	7,459.94	7,415.77	44.17	168.886			
4,100.00	3,797.65	4,374.99	4,354.49	26.18	20.31	112.31	-1,753.87	-6,807.85	7,469.77	7,424.64	45.13	165.518			
4,200.00	3,887.32	4,446.28	4,425.35	26.93	20.65	112.57	-1,747.81	-6,802.95	7,480.22	7,434.05	46.16	162.045			
4,300.00	3,976.99	4,300.00	4,545.43	27.68	19.95	113.02	-1,737.48	-6,794.38	7,490.74	7,444.55	46.20	162.152			
4,400.00	4,066.67	4,638.20	4,616.06	28.42	21.57	113.28	-1,731.33	-6,789.14	7,501.40	7,452.95	48.45	154.818			
4,500.00	4,156.34	4,754.02	4,731.20	29.17	22.13	113.71	-1,721.73	-6,781.07	7,512.76	7,463.07	49.69	151.194			
4,600.00	4,246.01	4,805.11	4,782.00	29.92	22.37	113.89	-1,717.83	-6,777.32	7,524.10	7,473.48	50.62	148.632			
4,700.00	4,335.68	4,862.00	4,838.62	30.67	22.64	114.10	-1,713.65	-6,773.61	7,536.33	7,484.75	51.58	146.112			

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 146-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,800.00	4,425.35	4,944.50	4,920.77	31.42	23.03	114.39	-1,708.17	-6,768.41	7,549.11	7,496.46	52.65	143.382			
4,900.00	4,515.03	5,019.93	4,995.93	32.17	23.37	114.65	-1,704.29	-6,763.49	7,562.04	7,508.36	53.68	140.868			
5,000.00	4,604.70	5,053.00	5,028.92	32.92	23.53	114.76	-1,703.14	-6,761.39	7,575.56	7,521.04	54.51	138.967			
5,100.00	4,694.37	5,053.00	5,028.92	33.67	23.53	114.76	-1,703.14	-6,761.39	7,590.28	7,535.10	55.18	137.548			
5,200.00	4,784.04	5,106.61	5,082.43	34.42	23.76	114.94	-1,701.53	-6,758.61	7,605.49	7,549.39	56.10	135.581			
5,300.00	4,873.71	5,148.00	5,123.78	35.17	23.94	115.07	-1,700.26	-6,757.30	7,622.14	7,565.19	56.95	133.847			
5,400.00	4,963.38	5,148.00	5,123.78	35.92	23.94	115.07	-1,700.26	-6,757.30	7,639.58	7,581.99	57.59	132.650			
5,500.00	5,053.06	5,208.43	5,184.17	36.67	24.20	115.27	-1,698.37	-6,756.03	7,657.94	7,599.41	58.52	130.853			
5,600.00	5,142.73	5,242.00	5,217.72	37.43	24.35	115.38	-1,697.28	-6,755.44	7,676.93	7,617.61	59.32	129.419			
5,700.00	5,232.40	5,280.31	5,256.01	38.18	24.50	115.50	-1,696.37	-6,755.03	7,696.76	7,636.64	60.12	128.022			
5,800.00	5,322.07	5,337.00	5,312.70	38.93	24.72	115.67	-1,696.29	-6,755.26	7,717.73	7,656.72	61.01	126.508			
5,900.00	5,411.74	5,337.00	5,312.70	39.68	24.72	115.67	-1,696.29	-6,755.26	7,739.25	7,677.64	61.61	125.613			
6,000.00	5,501.42	5,444.64	5,420.33	40.44	25.11	115.99	-1,697.44	-6,756.46	7,761.42	7,698.71	62.71	123.766			
6,100.00	5,591.09	5,547.46	5,523.14	41.19	25.49	116.29	-1,698.29	-6,757.32	7,783.52	7,719.73	63.79	122.020			
6,200.00	5,680.76	5,623.00	5,598.67	41.94	25.77	116.51	-1,698.88	-6,757.96	7,805.83	7,741.09	64.74	120.574			
6,300.00	5,770.43	5,693.90	5,669.57	42.70	26.03	116.72	-1,699.54	-6,758.72	7,828.51	7,762.85	65.67	119.218			
6,400.00	5,860.10	5,758.11	5,733.77	43.45	26.27	116.91	-1,700.21	-6,759.60	7,851.64	7,785.08	66.56	117.967			
6,500.00	5,949.77	5,823.09	5,798.74	44.20	26.51	117.10	-1,700.68	-6,760.71	7,875.26	7,807.80	67.45	116.754			
6,600.00	6,039.45	5,913.56	5,889.19	44.96	26.85	117.36	-1,701.41	-6,762.37	7,899.17	7,830.70	68.47	115.369			
6,700.00	6,129.12	5,993.15	5,968.76	45.71	27.15	117.58	-1,702.09	-6,763.89	7,923.32	7,853.89	69.43	114.116			
6,800.00	6,218.79	6,062.54	6,038.13	46.46	27.41	117.78	-1,702.58	-6,765.33	7,947.80	7,877.46	70.34	112.986			
6,900.00	6,308.46	6,224.78	6,200.34	47.22	28.03	118.24	-1,703.98	-6,768.17	7,972.15	7,900.43	71.72	111.163			
6,969.86	6,371.11	7,115.96	7,140.16	47.75	33.64	115.66	-2,493.43	-6,757.33	7,986.40	7,906.76	79.63	100.290			
7,000.00	6,398.25	7,119.48	7,140.37	47.97	33.67	110.41	-2,496.94	-6,757.27	7,988.87	7,909.00	79.87	100.024			
7,050.00	6,443.70	7,625.28	7,140.68	48.31	33.72	100.88	-2,502.74	-6,757.17	7,990.06	7,909.82	80.24	99.576			
7,100.00	6,489.42	7,631.01	7,140.98	48.61	33.77	90.74	-2,508.46	-6,757.09	7,987.63	7,907.05	80.58	99.126			
7,150.00	6,535.12	7,654.00	7,141.95	48.87	33.98	80.52	-2,531.42	-6,756.90	7,981.66	7,900.60	81.06	98.470			
7,200.00	6,580.53	7,654.00	7,141.95	49.09	33.98	71.12	-2,531.42	-6,756.90	7,971.99	7,890.73	81.26	98.103			
7,250.00	6,625.36	7,654.00	7,141.95	49.27	33.98	62.83	-2,531.42	-6,756.90	7,958.79	7,877.37	81.42	97.745			
7,300.00	6,669.35	7,654.00	7,141.95	49.42	33.98	55.78	-2,531.42	-6,756.90	7,942.14	7,860.59	81.55	97.395			
7,350.00	6,712.21	7,654.00	7,141.95	49.55	33.98	49.94	-2,531.42	-6,756.90	7,922.10	7,840.47	81.63	97.049			
7,400.00	6,753.69	7,667.25	7,142.37	49.65	34.11	45.05	-2,544.66	-6,756.88	7,898.76	7,816.94	81.82	96.539			
7,450.00	6,793.52	7,674.36	7,142.57	49.73	34.18	41.08	-2,551.77	-6,756.89	7,872.24	7,790.33	81.91	96.103			
7,500.00	6,831.47	7,685.00	7,142.81	49.81	34.28	37.80	-2,562.41	-6,756.91	7,842.68	7,760.66	82.02	95.616			
7,550.00	6,867.30	7,746.00	7,143.26	49.88	34.88	34.64	-2,623.41	-6,756.93	7,810.16	7,727.49	82.67	94.473			
7,600.00	6,900.78	7,758.11	7,143.14	49.95	35.00	32.37	-2,635.51	-6,756.90	7,774.85	7,692.08	82.77	93.931			
7,650.00	6,931.72	7,765.15	7,143.05	50.03	35.07	30.52	-2,642.55	-6,756.89	7,737.01	7,654.20	82.80	93.438			
7,700.00	6,959.92	7,776.00	7,142.89	50.11	35.19	28.94	-2,653.40	-6,756.89	7,696.83	7,613.95	82.87	92.875			
7,750.00	6,985.20	7,776.00	7,142.89	50.20	35.19	27.76	-2,653.40	-6,756.89	7,654.52	7,571.71	82.81	92.431			
7,800.00	7,007.41	7,776.00	7,142.89	50.30	35.19	26.83	-2,653.40	-6,756.89	7,610.34	7,527.58	82.75	91.964			
7,850.00	7,026.42	7,776.00	7,142.89	50.42	35.19	26.14	-2,653.40	-6,756.89	7,564.51	7,481.81	82.70	91.473			
7,900.00	7,042.11	7,776.00	7,142.89	50.57	35.19	25.68	-2,653.40	-6,756.89	7,517.30	7,434.65	82.65	90.958			
7,950.00	7,054.37	7,786.07	7,142.71	50.73	35.29	25.18	-2,663.47	-6,756.90	7,468.95	7,386.22	82.72	90.287			
8,000.00	7,063.14	7,787.24	7,142.68	50.92	35.31	25.24	-2,664.65	-6,756.91	7,419.77	7,337.06	82.71	89.711			
8,050.00	7,068.36	7,787.94	7,142.67	51.13	35.31	26.46	-2,665.34	-6,756.91	7,370.05	7,287.35	82.70	89.122			
8,094.17	7,070.00	7,788.14	7,142.66	51.34	35.32	175.00	-2,665.54	-6,756.91	7,325.91	7,243.21	82.69	88.591			
8,100.00	7,070.03	7,788.14	7,142.66	51.37	35.32	175.00	-2,665.54	-6,756.91	7,320.08	7,237.38	82.69	88.521			
8,200.00	7,070.55	7,788.16	7,142.66	51.94	35.32	175.03	-2,665.56	-6,756.91	7,220.08	7,137.38	82.69	87.311			
8,300.00	7,071.07	7,788.19	7,142.66	52.64	35.32	175.06	-2,665.59	-6,756.91	7,120.08	7,037.38	82.70	86.100			
8,400.00	7,071.60	7,788.21	7,142.66	53.49	35.32	175.09	-2,665.61	-6,756.91	7,020.08	6,937.38	82.70	84.888			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,072.12	7,788.23	7,142.66	54.50	35.32	175.12	-2,665.63	-6,756.91	6,920.08	6,837.38	82.70	83.676		
8,600.00	7,072.64	7,788.26	7,142.66	55.69	35.32	175.15	-2,665.66	-6,756.91	6,820.09	6,737.38	82.71	82.462		
8,700.00	7,073.17	7,788.28	7,142.66	57.04	35.32	175.18	-2,665.68	-6,756.91	6,720.09	6,637.38	82.71	81.249		
8,800.00	7,073.69	7,788.31	7,142.66	58.55	35.32	175.21	-2,665.71	-6,756.91	6,620.09	6,537.37	82.72	80.034		
8,900.00	7,074.21	7,788.33	7,142.66	60.21	35.32	175.24	-2,665.73	-6,756.91	6,520.09	6,437.37	82.72	78.819		
9,000.00	7,074.74	7,788.36	7,142.66	61.99	35.32	175.28	-2,665.76	-6,756.91	6,420.10	6,337.37	82.73	77.603		
9,100.00	7,075.26	7,788.38	7,142.66	63.88	35.32	175.31	-2,665.78	-6,756.91	6,320.10	6,237.36	82.74	76.387		
9,200.00	7,075.78	7,788.41	7,142.66	65.87	35.32	175.34	-2,665.81	-6,756.91	6,220.10	6,137.35	82.75	75.171		
9,300.00	7,076.30	7,788.44	7,142.66	67.95	35.32	175.38	-2,665.84	-6,756.91	6,120.10	6,037.35	82.76	73.953		
9,400.00	7,076.83	7,788.47	7,142.66	70.09	35.32	175.41	-2,665.87	-6,756.91	6,020.11	5,937.34	82.77	72.736		
9,500.00	7,077.35	7,788.49	7,142.66	72.30	35.32	175.45	-2,665.90	-6,756.91	5,920.11	5,837.33	82.78	71.518		
9,600.00	7,077.87	7,788.52	7,142.66	74.57	35.32	175.49	-2,665.92	-6,756.91	5,820.11	5,737.32	82.79	70.299		
9,700.00	7,078.40	7,788.55	7,142.66	76.88	35.32	175.53	-2,665.95	-6,756.91	5,720.11	5,637.31	82.80	69.080		
9,800.00	7,078.92	7,788.58	7,142.65	79.24	35.32	175.57	-2,665.98	-6,756.91	5,620.12	5,537.30	82.82	67.861		
9,900.00	7,079.44	7,788.62	7,142.65	81.63	35.32	175.61	-2,666.02	-6,756.91	5,520.12	5,437.29	82.83	66.642		
10,000.00	7,079.97	7,788.65	7,142.65	84.06	35.32	175.65	-2,666.05	-6,756.91	5,420.12	5,337.28	82.85	65.422		
10,100.00	7,080.49	7,788.68	7,142.65	86.52	35.32	175.69	-2,666.08	-6,756.91	5,320.13	5,237.26	82.86	64.202		
10,200.00	7,081.01	7,788.71	7,142.65	89.01	35.32	175.73	-2,666.11	-6,756.91	5,220.13	5,137.25	82.88	62.982		
10,300.00	7,081.54	7,788.75	7,142.65	91.52	35.32	175.78	-2,666.15	-6,756.91	5,120.13	5,037.23	82.90	61.762		
10,400.00	7,082.06	7,788.78	7,142.65	94.05	35.32	175.82	-2,666.18	-6,756.91	5,020.14	4,937.22	82.92	60.542		
10,500.00	7,082.58	7,788.82	7,142.65	96.61	35.32	175.87	-2,666.22	-6,756.91	4,920.14	4,837.20	82.94	59.322		
10,600.00	7,083.10	7,788.86	7,142.65	99.18	35.32	175.91	-2,666.26	-6,756.91	4,820.15	4,737.19	82.96	58.101		
10,700.00	7,083.63	7,788.89	7,142.65	101.77	35.32	175.96	-2,666.29	-6,756.91	4,720.15	4,637.17	82.98	56.881		
10,800.00	7,084.15	7,788.93	7,142.65	104.38	35.32	176.01	-2,666.33	-6,756.91	4,620.16	4,537.15	83.01	55.661		
10,900.00	7,084.67	7,788.97	7,142.65	107.00	35.33	176.06	-2,666.37	-6,756.91	4,520.16	4,437.13	83.03	54.440		
11,000.00	7,085.20	7,789.01	7,142.65	109.63	35.33	176.11	-2,666.41	-6,756.91	4,420.16	4,337.11	83.05	53.220		
11,100.00	7,085.72	7,789.05	7,142.64	112.27	35.33	176.17	-2,666.45	-6,756.91	4,320.17	4,237.09	83.08	52.000		
11,200.00	7,086.24	7,789.10	7,142.64	114.93	35.33	176.22	-2,666.50	-6,756.91	4,220.18	4,137.07	83.11	50.780		
11,300.00	7,086.77	7,789.14	7,142.64	117.59	35.33	176.28	-2,666.54	-6,756.91	4,120.18	4,037.05	83.13	49.561		
11,400.00	7,087.29	7,789.18	7,142.64	120.27	35.33	176.34	-2,666.58	-6,756.91	4,020.19	3,937.02	83.16	48.341		
11,500.00	7,087.81	7,789.23	7,142.64	122.95	35.33	176.39	-2,666.63	-6,756.91	3,920.19	3,837.00	83.19	47.122		
11,600.00	7,088.33	7,789.28	7,142.64	125.64	35.33	176.46	-2,666.68	-6,756.91	3,820.20	3,736.98	83.22	45.903		
11,700.00	7,088.86	7,789.33	7,142.64	128.34	35.33	176.52	-2,666.73	-6,756.91	3,720.21	3,636.95	83.26	44.684		
11,800.00	7,089.38	7,789.38	7,142.64	131.05	35.33	176.58	-2,666.78	-6,756.91	3,620.21	3,536.93	83.29	43.466		
11,900.00	7,089.90	7,789.43	7,142.64	133.76	35.33	176.65	-2,666.83	-6,756.91	3,520.22	3,436.90	83.32	42.248		
12,000.00	7,090.43	7,789.48	7,142.63	136.49	35.33	176.72	-2,666.88	-6,756.91	3,420.23	3,336.87	83.36	41.031		
12,100.00	7,090.95	7,789.53	7,142.63	139.21	35.33	176.79	-2,666.93	-6,756.92	3,320.24	3,236.85	83.39	39.814		
12,200.00	7,091.47	7,789.59	7,142.63	141.94	35.33	176.86	-2,666.99	-6,756.92	3,220.25	3,136.82	83.43	38.598		
12,300.00	7,092.00	7,789.65	7,142.63	144.68	35.33	176.93	-2,667.05	-6,756.92	3,120.26	3,036.79	83.47	37.382		
12,400.00	7,092.52	7,789.71	7,142.63	147.42	35.33	177.01	-2,667.11	-6,756.92	3,020.27	2,936.76	83.51	36.167		
12,500.00	7,093.04	7,789.77	7,142.63	150.17	35.33	177.09	-2,667.17	-6,756.92	2,920.28	2,836.73	83.55	34.952		
12,600.00	7,093.57	7,789.83	7,142.63	152.92	35.33	177.17	-2,667.23	-6,756.92	2,820.29	2,736.70	83.59	33.738		
12,700.00	7,094.09	7,789.90	7,142.63	155.67	35.34	177.25	-2,667.30	-6,756.92	2,720.30	2,636.66	83.64	32.524		
12,800.00	7,094.61	7,789.96	7,142.62	158.43	35.34	177.34	-2,667.36	-6,756.92	2,620.32	2,536.63	83.69	31.312		
12,900.00	7,095.13	7,790.03	7,142.62	161.19	35.34	177.43	-2,667.43	-6,756.92	2,520.33	2,436.60	83.73	30.100		
13,000.00	7,095.66	7,790.11	7,142.62	163.96	35.34	177.52	-2,667.51	-6,756.92	2,420.35	2,336.57	83.78	28.888		
13,100.00	7,096.18	7,790.18	7,142.62	166.73	35.34	177.62	-2,667.58	-6,756.92	2,320.37	2,236.53	83.84	27.678		
13,200.00	7,096.70	7,790.26	7,142.62	169.50	35.34	177.72	-2,667.66	-6,756.92	2,220.39	2,136.50	83.89	26.468		
13,256.62	7,097.00	7,790.30	7,142.62	171.07	35.34	177.78	-2,667.70	-6,756.92	2,163.78	2,079.86	83.92	25.784	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-109.34	-1,987.73	-5,662.01	6,000.78					
100.00	100.00	85.00	85.00	3.28	3.29	-109.34	-1,987.73	-5,662.01	6,000.78	5,994.21	6.57	913.361		
200.00	200.00	185.00	185.00	3.34	3.31	-109.34	-1,987.73	-5,662.01	6,000.78	5,994.14	6.64	903.451		
300.00	300.00	285.00	285.00	3.44	3.34	-109.34	-1,987.73	-5,662.01	6,000.78	5,994.00	6.78	884.550		
400.00	399.98	384.98	384.98	3.60	3.39	97.18	-1,987.73	-5,662.01	6,001.00	5,994.02	6.98	859.416		
500.00	499.84	484.84	484.84	3.79	3.45	97.21	-1,987.73	-5,662.01	6,001.66	5,994.42	7.23	829.733		
600.00	599.45	584.45	584.45	4.02	3.52	97.27	-1,987.73	-5,662.01	6,002.76	5,995.22	7.54	796.275		
700.00	698.70	683.70	683.70	4.29	3.61	97.36	-1,987.73	-5,662.01	6,004.32	5,996.43	7.89	760.616		
800.00	797.47	782.47	782.47	4.59	3.70	97.46	-1,987.73	-5,662.01	6,006.37	5,998.07	8.30	724.013		
900.00	895.62	880.62	880.62	4.93	3.81	97.59	-1,987.73	-5,662.01	6,008.91	6,000.17	8.74	687.400		
1,000.00	993.06	978.06	978.06	5.31	3.92	97.74	-1,987.73	-5,662.01	6,011.99	6,002.76	9.23	651.437		
1,100.00	1,089.64	1,074.64	1,074.64	5.72	4.04	97.90	-1,987.73	-5,662.01	6,015.63	6,005.88	9.76	616.563		
1,200.00	1,185.27	1,170.27	1,170.27	6.16	4.17	98.08	-1,987.73	-5,662.01	6,019.88	6,009.56	10.32	583.052		
1,300.00	1,279.82	1,264.82	1,264.82	6.64	4.30	98.27	-1,987.73	-5,662.01	6,024.77	6,013.84	10.93	551.063		
1,400.00	1,373.17	1,267.29	1,267.28	7.16	4.39	98.16	-1,987.30	-5,662.67	6,031.55	6,020.00	11.54	522.512		
1,500.00	1,465.21	1,300.00	1,299.98	7.71	4.49	98.13	-1,986.79	-5,663.47	6,039.68	6,027.49	12.19	495.530		
1,600.00	1,555.84	1,343.41	1,343.35	8.31	4.62	98.12	-1,985.79	-5,665.03	6,049.36	6,036.46	12.91	468.710		
1,613.50	1,567.96	1,348.39	1,348.33	8.39	4.64	98.11	-1,985.65	-5,665.24	6,050.79	6,037.79	13.00	465.325		
1,700.00	1,645.53	1,400.00	1,399.84	8.93	4.80	98.35	-1,983.96	-5,667.88	6,060.53	6,046.83	13.70	442.371		
1,800.00	1,735.20	1,400.00	1,399.84	9.58	4.80	98.35	-1,983.96	-5,667.88	6,072.71	6,058.38	14.33	423.736		
1,900.00	1,824.87	1,451.94	1,451.61	10.25	4.97	98.59	-1,981.75	-5,671.32	6,085.97	6,070.82	15.15	401.816		
2,000.00	1,914.54	1,500.00	1,499.45	10.92	5.13	98.82	-1,979.25	-5,675.21	6,100.42	6,084.46	15.96	382.204		
2,100.00	2,004.21	1,521.95	1,521.27	11.61	5.21	98.92	-1,977.96	-5,677.21	6,115.92	6,099.23	16.69	366.354		
2,200.00	2,093.89	1,556.25	1,555.33	12.30	5.33	99.09	-1,975.77	-5,680.62	6,132.57	6,115.09	17.48	350.908		
2,300.00	2,183.56	1,610.79	1,609.41	13.01	5.53	99.36	-1,971.95	-5,686.57	6,150.27	6,131.93	18.34	335.325		
2,400.00	2,273.23	1,705.29	1,692.60	13.71	5.90	99.78	-1,966.01	-5,695.81	6,168.52	6,149.15	19.37	318.454		
2,500.00	2,362.90	1,778.63	1,775.80	14.43	6.19	100.19	-1,960.07	-5,705.06	6,187.20	6,166.86	20.33	304.274		
2,600.00	2,452.57	1,862.55	1,859.00	15.14	6.54	100.60	-1,954.13	-5,714.30	6,206.29	6,184.94	21.35	290.695		
2,700.00	2,542.25	1,946.47	1,942.20	15.87	6.89	101.01	-1,948.19	-5,723.55	6,225.80	6,203.43	22.37	278.256		
2,800.00	2,631.92	2,030.39	2,025.39	16.59	7.26	101.41	-1,942.25	-5,732.79	6,245.72	6,222.32	23.41	266.838		
2,900.00	2,721.59	2,114.31	2,108.59	17.32	7.63	101.82	-1,936.31	-5,742.04	6,266.05	6,241.61	24.44	256.339		
3,000.00	2,811.26	2,201.77	2,191.79	18.05	8.02	102.22	-1,930.37	-5,751.28	6,286.79	6,261.29	25.50	246.518		
3,100.00	2,900.93	2,282.15	2,274.99	18.78	8.39	102.62	-1,924.43	-5,760.53	6,307.93	6,281.39	26.53	237.729		
3,200.00	2,990.60	2,366.07	2,358.18	19.51	8.78	103.02	-1,918.49	-5,769.77	6,329.46	6,301.88	27.58	229.464		
3,300.00	3,080.28	2,449.99	2,441.38	20.25	9.17	103.41	-1,912.55	-5,779.02	6,351.39	6,322.75	28.64	221.801		
3,400.00	3,169.95	2,533.91	2,524.58	20.99	9.57	103.81	-1,906.61	-5,788.26	6,373.70	6,344.01	29.69	214.683		
3,500.00	3,259.62	2,617.83	2,607.78	21.73	9.96	104.20	-1,900.67	-5,797.50	6,396.40	6,365.66	30.74	208.059		
3,600.00	3,349.29	2,701.75	2,690.97	22.47	10.36	104.59	-1,894.73	-5,806.75	6,419.48	6,387.68	31.80	201.883		
3,700.00	3,438.96	2,785.67	2,774.17	23.21	10.77	104.98	-1,888.79	-5,815.99	6,442.93	6,410.08	32.85	196.114		
3,800.00	3,528.64	2,869.59	2,857.37	23.95	11.17	105.37	-1,882.85	-5,825.24	6,466.76	6,432.85	33.91	190.716		
3,900.00	3,618.31	2,953.51	2,940.57	24.69	11.58	105.75	-1,876.91	-5,834.48	6,490.96	6,456.00	34.96	185.657		
4,000.00	3,707.98	3,037.43	3,023.76	25.44	11.99	106.13	-1,870.97	-5,843.73	6,515.52	6,479.50	36.02	180.909		
4,100.00	3,797.65	3,121.35	3,106.96	26.18	12.40	106.51	-1,865.03	-5,852.97	6,540.44	6,503.37	37.07	176.445		
4,200.00	3,887.32	3,205.27	3,190.16	26.93	12.81	106.89	-1,859.09	-5,862.22	6,565.72	6,527.60	38.12	172.242		
4,300.00	3,976.99	3,289.19	3,273.36	27.68	13.22	107.26	-1,853.15	-5,871.46	6,591.34	6,552.17	39.17	168.280		
4,400.00	4,066.67	3,373.11	3,356.55	28.42	13.64	107.64	-1,847.21	-5,880.71	6,617.32	6,577.10	40.22	164.539		
4,500.00	4,156.34	3,457.03	3,439.75	29.17	14.05	108.01	-1,841.27	-5,889.95	6,643.64	6,602.37	41.26	161.004		
4,600.00	4,246.01	3,540.95	3,522.95	29.92	14.47	108.38	-1,835.33	-5,899.20	6,670.30	6,627.99	42.31	157.658		
4,700.00	4,335.68	3,624.87	3,606.15	30.67	14.89	108.74	-1,829.39	-5,908.44	6,697.29	6,653.94	43.35	154.488		
4,800.00	4,425.35	3,708.79	3,689.34	31.42	15.30	109.11	-1,823.45	-5,917.69	6,724.62	6,680.22	44.39	151.481		
4,900.00	4,515.03	3,807.29	3,772.54	32.17	15.80	109.47	-1,817.51	-5,926.93	6,752.27	6,706.77	45.50	148.408		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	3,876.63	3,855.74	32.92	16.14	109.83	-1,811.57	-5,936.18	6,780.25	6,733.78	46.47	145.912		
5,100.00	4,694.37	3,960.55	3,938.94	33.67	16.56	110.18	-1,805.63	-5,945.42	6,808.54	6,761.04	47.50	143.329		
5,200.00	4,784.04	4,044.47	4,022.13	34.42	16.98	110.54	-1,799.69	-5,954.67	6,837.15	6,788.62	48.54	140.870		
5,300.00	4,873.71	4,128.39	4,105.33	35.17	17.40	110.89	-1,793.75	-5,963.91	6,866.08	6,816.51	49.57	138.526		
5,400.00	4,963.38	4,212.31	4,188.53	35.92	17.83	111.24	-1,787.81	-5,973.15	6,895.31	6,844.71	50.59	136.290		
5,500.00	5,053.06	4,303.77	4,271.73	36.67	18.29	111.59	-1,781.87	-5,982.40	6,924.84	6,873.19	51.65	134.064		
5,600.00	5,142.73	4,380.15	4,354.92	37.43	18.67	111.94	-1,775.93	-5,991.64	6,954.68	6,902.03	52.64	132.113		
5,700.00	5,232.40	4,464.07	4,438.12	38.18	19.09	112.28	-1,769.99	-6,000.89	6,984.81	6,931.14	53.66	130.162		
5,800.00	5,322.07	4,547.99	4,521.32	38.93	19.52	112.62	-1,764.05	-6,010.13	7,015.23	6,960.55	54.68	128.294		
5,900.00	5,411.74	4,631.91	4,604.52	39.68	19.94	112.96	-1,758.11	-6,019.38	7,045.94	6,990.24	55.70	126.505		
6,000.00	5,501.42	4,715.83	4,687.71	40.44	20.36	113.30	-1,752.17	-6,028.62	7,076.93	7,020.22	56.71	124.790		
6,100.00	5,591.09	4,800.25	4,770.91	41.19	20.79	113.63	-1,746.23	-6,037.87	7,108.21	7,050.48	57.72	123.141		
6,200.00	5,680.76	4,883.67	4,854.11	41.94	21.21	113.96	-1,740.29	-6,047.11	7,139.76	7,081.03	58.73	121.567		
6,300.00	5,770.43	4,967.59	4,937.31	42.70	21.64	114.29	-1,734.35	-6,056.36	7,171.59	7,111.85	59.74	120.051		
6,400.00	5,860.10	5,051.42	5,021.32	43.45	22.06	114.62	-1,728.41	-6,065.60	7,203.42	7,143.76	60.75	118.535		
6,500.00	5,949.77	5,135.34	5,105.23	44.20	22.48	114.95	-1,722.47	-6,074.84	7,235.35	7,175.69	61.76	117.019		
6,600.00	6,039.45	5,219.26	5,189.15	44.96	22.90	115.28	-1,716.53	-6,084.08	7,267.28	7,207.62	62.77	115.503		
6,700.00	6,129.12	5,303.18	5,273.07	45.71	23.32	115.61	-1,710.59	-6,093.32	7,299.21	7,239.55	63.78	114.087		
6,800.00	6,218.79	5,387.10	5,356.99	46.46	23.74	115.94	-1,704.65	-6,102.56	7,331.14	7,271.48	64.79	112.671		
6,900.00	6,308.46	5,471.02	5,440.91	47.22	24.16	116.27	-1,698.71	-6,111.80	7,363.07	7,303.41	65.80	111.255		
6,969.86	6,371.11	5,519.15	5,489.04	47.75	24.60	116.60	-1,692.77	-6,121.04	7,394.99	7,335.33	66.81	110.000		
7,000.00	6,398.25	5,546.29	5,516.18	47.97	24.82	116.82	-1,690.59	-6,125.88	7,411.14	7,351.48	67.44	109.117		
7,050.00	6,443.70	5,591.74	5,561.63	48.31	25.16	117.16	-1,684.65	-6,130.02	7,437.29	7,377.63	68.45	107.991		
7,100.00	6,489.42	5,637.20	5,607.09	48.61	25.50	117.50	-1,678.71	-6,134.16	7,463.44	7,403.78	69.46	106.865		
7,150.00	6,535.12	5,682.65	5,652.54	48.87	25.84	117.84	-1,672.77	-6,138.30	7,489.59	7,429.93	70.47	105.739		
7,200.00	6,580.53	5,728.10	5,697.99	49.09	26.18	118.17	-1,666.83	-6,142.44	7,515.74	7,456.08	71.48	104.613		
7,250.00	6,625.36	5,773.55	5,743.44	49.27	26.42	118.39	-1,661.69	-6,146.58	7,541.89	7,482.23	72.49	103.487		
7,300.00	6,669.35	5,819.00	5,788.89	49.42	26.66	118.61	-1,656.55	-6,150.72	7,567.94	7,508.38	73.50	102.361		
7,350.00	6,712.21	5,864.45	5,834.34	49.55	26.90	118.83	-1,651.41	-6,154.86	7,594.09	7,534.53	74.51	101.235		
7,400.00	6,753.69	5,909.90	5,879.79	49.65	27.14	119.05	-1,646.27	-6,159.00	7,620.24	7,560.68	75.52	100.109		
7,450.00	6,793.52	5,955.35	5,925.24	49.73	27.38	119.27	-1,641.13	-6,163.14	7,646.39	7,586.83	76.53	99.000		
7,500.00	6,831.47	6,000.80	5,970.69	49.81	27.62	119.49	-1,635.99	-6,167.28	7,672.54	7,612.98	77.54	97.874		
7,550.00	6,867.30	6,046.25	6,016.14	49.88	27.86	119.71	-1,630.85	-6,171.42	7,698.69	7,639.13	78.55	96.748		
7,600.00	6,900.78	6,091.70	6,061.59	49.95	28.10	119.93	-1,625.71	-6,175.56	7,724.84	7,665.28	79.56	95.622		
7,650.00	6,931.72	6,137.15	6,107.04	50.03	28.34	120.15	-1,620.57	-6,179.70	7,750.99	7,691.43	80.57	94.496		
7,700.00	6,959.92	6,182.60	6,152.49	50.11	28.58	120.37	-1,615.43	-6,183.84	7,777.14	7,717.58	81.58	93.370		
7,750.00	6,985.20	6,228.05	6,197.94	50.20	28.82	120.59	-1,610.29	-6,187.98	7,803.29	7,743.73	82.59	92.244		
7,800.00	7,007.41	6,273.50	6,243.39	50.30	29.06	120.81	-1,605.15	-6,192.12	7,829.44	7,769.88	83.60	91.118		
7,850.00	7,026.42	6,318.95	6,288.84	50.42	29.30	121.03	-1,600.01	-6,196.26	7,855.59	7,796.03	84.61	89.992		
7,900.00	7,042.11	6,364.40	6,334.29	50.57	29.54	121.25	-1,594.87	-6,200.40	7,881.74	7,822.18	85.62	88.866		
7,950.00	7,054.37	6,409.85	6,379.74	50.73	29.78	121.47	-1,589.73	-6,204.54	7,907.89	7,848.33	86.63	87.740		
8,000.00	7,063.14	6,455.30	6,425.19	50.92	30.02	121.69	-1,584.59	-6,208.68	7,934.04	7,874.48	87.64	86.614		
8,050.00	7,068.36	6,500.75	6,470.64	51.13	30.26	121.91	-1,579.45	-6,212.82	7,960.19	7,900.63	88.65	85.488		
8,094.17	7,070.00	6,546.20	6,516.09	51.34	30.50	122.13	-1,574.31	-6,216.96	7,986.34	7,926.78	89.66	84.362		
8,100.00	7,070.03	6,591.65	6,561.54	51.37	30.53	122.16	-1,573.77	-6,217.40	7,991.78	7,932.22	89.70	84.318		
8,200.00	7,070.55	6,637.10	6,606.99	51.94	31.10	122.73	-1,563.66	-6,207.29	7,961.61	7,902.05	89.12	83.742		
8,300.00	7,071.07	6,682.55	6,652.44	52.64	31.80	123.43	-1,553.55	-6,197.18	7,931.50	7,871.94	88.54	83.166		
8,400.00	7,071.60	6,728.00	6,697.89	53.49	32.50	124.13	-1,543.44	-6,187.07	7,901.39	7,841.83	87.96	82.590		
8,500.00	7,072.12	6,773.45	6,743.34	54.50	33.20	124.83	-1,533.33	-6,176.96	7,871.28	7,811.72	87.38	82.014		
8,600.00	7,072.64	6,818.90	6,788.79	55.69	33.90	125.53	-1,523.22	-6,166.85	7,841.17	7,781.61	86.80	81.438		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,870.26	7,181.07	57.04	34.08	-167.94	-2,690.84	-6,097.75	6,061.66	5,980.33	81.33	74.531		
8,800.00	7,073.69	7,869.94	7,181.07	58.55	34.08	-168.13	-2,690.52	-6,097.75	5,961.67	5,880.34	81.33	73.298		
8,900.00	7,074.21	7,869.63	7,181.07	60.21	34.07	-168.32	-2,690.21	-6,097.75	5,861.69	5,780.35	81.34	72.064		
9,000.00	7,074.74	7,869.31	7,181.07	61.99	34.07	-168.51	-2,689.89	-6,097.75	5,761.70	5,680.35	81.35	70.829		
9,100.00	7,075.26	7,869.00	7,181.07	63.88	34.07	-168.70	-2,689.58	-6,097.75	5,661.71	5,580.36	81.35	69.593		
9,200.00	7,075.78	7,868.68	7,181.07	65.87	34.06	-168.89	-2,689.26	-6,097.75	5,561.73	5,480.36	81.36	68.357		
9,300.00	7,076.30	7,868.37	7,181.07	67.95	34.06	-169.08	-2,688.95	-6,097.75	5,461.74	5,380.37	81.37	67.121		
9,400.00	7,076.83	7,868.05	7,181.08	70.09	34.06	-169.27	-2,688.63	-6,097.75	5,361.76	5,280.37	81.38	65.884		
9,500.00	7,077.35	7,867.73	7,181.08	72.30	34.05	-169.46	-2,688.32	-6,097.75	5,261.77	5,180.38	81.39	64.647		
9,600.00	7,077.87	7,867.42	7,181.08	74.57	34.05	-169.66	-2,688.00	-6,097.75	5,161.79	5,080.38	81.40	63.409		
9,700.00	7,078.40	7,867.10	7,181.08	76.88	34.05	-169.85	-2,687.68	-6,097.75	5,061.80	4,980.39	81.42	62.171		
9,800.00	7,078.92	7,866.79	7,181.08	79.24	34.04	-170.04	-2,687.37	-6,097.75	4,961.82	4,880.39	81.43	60.933		
9,900.00	7,079.44	7,866.47	7,181.08	81.63	34.04	-170.23	-2,687.05	-6,097.75	4,861.84	4,780.39	81.45	59.694		
10,000.00	7,079.97	7,866.16	7,181.08	84.06	34.04	-170.43	-2,686.74	-6,097.75	4,761.86	4,680.40	81.46	58.456		
10,100.00	7,080.49	7,865.84	7,181.08	86.52	34.03	-170.62	-2,686.42	-6,097.75	4,661.88	4,580.40	81.48	57.216		
10,200.00	7,081.01	7,865.53	7,181.09	89.01	34.03	-170.81	-2,686.11	-6,097.75	4,561.90	4,480.40	81.50	55.977		
10,300.00	7,081.54	7,865.21	7,181.09	91.52	34.03	-171.01	-2,685.79	-6,097.75	4,461.92	4,380.40	81.51	54.738		
10,400.00	7,082.06	7,864.89	7,181.09	94.05	34.02	-171.20	-2,685.48	-6,097.75	4,361.94	4,280.40	81.53	53.498		
10,500.00	7,082.58	7,864.58	7,181.09	96.61	34.02	-171.39	-2,685.16	-6,097.75	4,261.96	4,180.41	81.55	52.259		
10,600.00	7,083.10	7,864.26	7,181.09	99.18	34.01	-171.59	-2,684.85	-6,097.75	4,161.99	4,080.41	81.58	51.019		
10,700.00	7,083.63	7,863.95	7,181.09	101.77	34.01	-171.78	-2,684.53	-6,097.75	4,062.01	3,980.41	81.60	49.780		
10,800.00	7,084.15	7,863.63	7,181.09	104.38	34.01	-171.97	-2,684.21	-6,097.75	3,962.04	3,880.41	81.62	48.540		
10,900.00	7,084.67	7,863.32	7,181.09	107.00	34.00	-172.17	-2,683.90	-6,097.75	3,862.06	3,780.42	81.65	47.301		
11,000.00	7,085.20	7,863.00	7,181.10	109.63	34.00	-172.36	-2,683.58	-6,097.75	3,762.09	3,680.42	81.68	46.062		
11,100.00	7,085.72	7,862.69	7,181.10	112.27	34.00	-172.56	-2,683.27	-6,097.75	3,662.12	3,580.42	81.70	44.822		
11,200.00	7,086.24	7,862.37	7,181.10	114.93	33.99	-172.75	-2,682.95	-6,097.75	3,562.16	3,480.43	81.73	43.583		
11,300.00	7,086.77	7,862.06	7,181.10	117.59	33.99	-172.95	-2,682.64	-6,097.75	3,462.19	3,380.43	81.76	42.345		
11,400.00	7,087.29	7,861.74	7,181.10	120.27	33.99	-173.14	-2,682.32	-6,097.75	3,362.23	3,280.43	81.79	41.106		
11,500.00	7,087.81	7,861.42	7,181.10	122.95	33.98	-173.34	-2,682.01	-6,097.75	3,262.27	3,180.44	81.83	39.868		
11,600.00	7,088.33	7,861.11	7,181.10	125.64	33.98	-173.54	-2,681.69	-6,097.75	3,162.31	3,080.45	81.86	38.630		
11,700.00	7,088.86	7,860.79	7,181.10	128.34	33.98	-173.73	-2,681.37	-6,097.75	3,062.35	2,980.45	81.90	37.393		
11,800.00	7,089.38	7,860.48	7,181.11	131.05	33.97	-173.93	-2,681.06	-6,097.75	2,962.40	2,880.46	81.94	36.155		
11,900.00	7,089.90	7,860.16	7,181.11	133.76	33.97	-174.12	-2,680.74	-6,097.75	2,862.45	2,780.47	81.97	34.919		
12,000.00	7,090.43	7,859.85	7,181.11	136.49	33.97	-174.32	-2,680.43	-6,097.75	2,762.50	2,680.48	82.02	33.683		
12,100.00	7,090.95	7,859.53	7,181.11	139.21	33.96	-174.52	-2,680.11	-6,097.75	2,662.56	2,580.50	82.06	32.447		
12,200.00	7,091.47	7,859.22	7,181.11	141.94	33.96	-174.71	-2,679.80	-6,097.75	2,562.62	2,480.51	82.10	31.212		
12,300.00	7,092.00	7,858.90	7,181.11	144.68	33.96	-174.91	-2,679.48	-6,097.75	2,462.69	2,380.53	82.15	29.977		
12,400.00	7,092.52	7,858.58	7,181.11	147.42	33.95	-175.11	-2,679.17	-6,097.75	2,362.76	2,280.55	82.20	28.743		
12,500.00	7,093.04	7,858.27	7,181.11	150.17	33.95	-175.30	-2,678.85	-6,097.75	2,262.84	2,180.58	82.26	27.510		
12,600.00	7,093.57	7,857.95	7,181.12	152.92	33.95	-175.50	-2,678.54	-6,097.75	2,162.92	2,080.61	82.31	26.277		
12,700.00	7,094.09	7,857.64	7,181.12	155.67	33.94	-175.70	-2,678.22	-6,097.75	2,063.02	1,980.64	82.37	25.045		
12,800.00	7,094.61	7,857.32	7,181.12	158.43	33.94	-175.89	-2,677.90	-6,097.75	1,963.12	1,880.68	82.44	23.814		
12,900.00	7,095.13	7,857.01	7,181.12	161.19	33.93	-176.09	-2,677.59	-6,097.75	1,863.23	1,780.73	82.50	22.584		
13,000.00	7,095.66	7,856.69	7,181.12	163.96	33.93	-176.29	-2,677.27	-6,097.75	1,763.36	1,680.78	82.58	21.354		
13,100.00	7,096.18	7,856.38	7,181.12	166.73	33.93	-176.49	-2,676.96	-6,097.75	1,663.50	1,580.85	82.65	20.126		
13,200.00	7,096.70	7,856.06	7,181.12	169.50	33.92	-176.68	-2,676.64	-6,097.75	1,563.66	1,480.92	82.74	18.898		
13,256.62	7,097.00	7,855.88	7,181.12	171.07	33.92	-176.79	-2,676.46	-6,097.75	1,507.15	1,424.35	82.79	18.204 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-109.25	-1,987.73	-5,692.60	6,029.66					
100.00	100.00	85.00	85.00	3.28	3.29	-109.25	-1,987.73	-5,692.60	6,029.66	6,023.09	6.57	917.756		
200.00	200.00	185.00	185.00	3.34	3.31	-109.25	-1,987.73	-5,692.60	6,029.66	6,023.01	6.64	907.799		
300.00	300.00	285.00	285.00	3.44	3.34	-109.25	-1,987.73	-5,692.60	6,029.66	6,022.87	6.78	888.807		
400.00	399.98	384.98	384.98	3.60	3.39	97.27	-1,987.73	-5,692.60	6,029.88	6,022.89	6.98	863.553		
500.00	499.84	484.84	484.84	3.79	3.45	97.31	-1,987.73	-5,692.60	6,030.54	6,023.31	7.23	833.728		
600.00	599.45	584.45	584.45	4.02	3.52	97.37	-1,987.73	-5,692.60	6,031.66	6,024.12	7.54	800.111		
700.00	698.70	683.70	683.70	4.29	3.61	97.45	-1,987.73	-5,692.60	6,033.24	6,025.35	7.89	764.282		
800.00	797.47	782.47	782.47	4.59	3.70	97.56	-1,987.73	-5,692.60	6,035.31	6,027.02	8.30	727.505		
900.00	895.62	830.70	830.70	4.93	3.78	97.59	-1,987.67	-5,692.75	6,038.22	6,029.50	8.72	692.488		
1,000.00	993.06	867.64	867.63	5.31	3.87	97.58	-1,987.44	-5,693.35	6,042.63	6,033.45	9.18	658.467		
1,100.00	1,089.64	900.00	899.98	5.72	3.94	97.55	-1,987.11	-5,694.23	6,048.57	6,038.90	9.66	626.088		
1,200.00	1,185.27	939.81	939.76	6.16	4.04	97.52	-1,986.52	-5,695.79	6,056.03	6,045.83	10.20	593.724		
1,300.00	1,279.82	1,000.00	999.84	6.64	4.20	97.54	-1,985.25	-5,699.12	6,065.18	6,054.35	10.83	559.958		
1,400.00	1,373.17	1,000.00	999.84	7.16	4.20	97.34	-1,985.25	-5,699.12	6,075.63	6,064.28	11.34	535.699		
1,500.00	1,465.21	1,042.60	1,042.31	7.71	4.32	97.27	-1,984.08	-5,702.19	6,087.74	6,075.74	12.01	507.061		
1,600.00	1,555.84	1,100.00	1,099.45	8.31	4.49	97.25	-1,982.15	-5,707.27	6,101.58	6,088.83	12.76	478.318		
1,613.50	1,567.96	1,100.00	1,099.45	8.39	4.49	97.21	-1,982.15	-5,707.27	6,103.51	6,090.68	12.84	475.453		
1,700.00	1,645.53	1,100.00	1,099.45	8.93	4.49	97.21	-1,982.15	-5,707.27	6,116.58	6,103.22	13.37	457.626		
1,800.00	1,735.20	1,138.31	1,137.52	9.58	4.62	97.40	-1,980.63	-5,711.25	6,132.86	6,118.74	14.11	434.620		
1,900.00	1,824.87	1,169.39	1,168.37	10.25	4.72	97.54	-1,979.27	-5,714.83	6,150.29	6,135.44	14.85	414.272		
2,000.00	1,914.54	1,200.00	1,198.70	10.92	4.82	97.69	-1,977.81	-5,718.66	6,168.87	6,153.28	15.59	395.719		
2,100.00	2,004.21	1,242.58	1,240.82	11.61	4.97	97.90	-1,975.59	-5,724.49	6,188.62	6,172.24	16.38	377.750		
2,200.00	2,093.89	1,307.30	1,290.34	12.30	5.22	98.15	-1,972.85	-5,731.69	6,209.32	6,192.06	17.26	359.655		
2,300.00	2,183.56	1,376.29	1,372.94	13.01	5.49	98.55	-1,968.27	-5,743.72	6,230.53	6,212.35	18.18	342.695		
2,400.00	2,273.23	1,459.89	1,455.54	13.71	5.84	98.96	-1,963.69	-5,755.74	6,252.14	6,232.98	19.17	326.189		
2,500.00	2,362.90	1,543.48	1,538.14	14.43	6.20	99.36	-1,959.11	-5,767.76	6,274.17	6,254.00	20.17	311.120		
2,600.00	2,452.57	1,627.08	1,620.74	15.14	6.57	99.77	-1,954.54	-5,779.78	6,296.59	6,275.41	21.18	297.343		
2,700.00	2,542.25	1,710.67	1,703.34	15.87	6.95	100.17	-1,949.96	-5,791.80	6,319.41	6,297.21	22.19	284.725		
2,800.00	2,631.92	1,794.26	1,785.94	16.59	7.34	100.56	-1,945.38	-5,803.83	6,342.62	6,319.40	23.22	273.146		
2,900.00	2,721.59	1,877.86	1,868.53	17.32	7.74	100.96	-1,940.81	-5,815.85	6,366.22	6,341.97	24.25	262.502		
3,000.00	2,811.26	1,961.45	1,951.13	18.05	8.14	101.35	-1,936.23	-5,827.87	6,390.21	6,364.92	25.29	252.695		
3,100.00	2,900.93	2,045.05	2,033.73	18.78	8.55	101.74	-1,931.65	-5,839.89	6,414.57	6,388.24	26.33	243.643		
3,200.00	2,990.60	2,128.64	2,116.33	19.51	8.96	102.13	-1,927.08	-5,851.91	6,439.31	6,411.94	27.37	235.269		
3,300.00	3,080.28	2,212.24	2,198.93	20.25	9.38	102.52	-1,922.50	-5,863.94	6,464.42	6,436.01	28.41	227.506		
3,400.00	3,169.95	2,295.83	2,281.53	20.99	9.80	102.90	-1,917.92	-5,875.96	6,489.90	6,460.44	29.46	220.296		
3,500.00	3,259.62	2,379.42	2,364.12	21.73	10.22	103.28	-1,913.35	-5,887.98	6,515.74	6,485.24	30.51	213.585		
3,600.00	3,349.29	2,463.02	2,446.72	22.47	10.65	103.66	-1,908.77	-5,900.00	6,541.94	6,510.39	31.55	207.328		
3,700.00	3,438.96	2,546.61	2,529.32	23.21	11.07	104.04	-1,904.19	-5,912.02	6,568.50	6,535.89	32.60	201.483		
3,800.00	3,528.64	2,630.21	2,611.92	23.95	11.50	104.42	-1,899.62	-5,924.05	6,595.40	6,561.75	33.65	196.015		
3,900.00	3,618.31	2,713.80	2,694.52	24.69	11.93	104.79	-1,895.04	-5,936.07	6,622.65	6,587.95	34.69	190.888		
4,000.00	3,707.98	2,802.61	2,777.12	25.44	12.39	105.16	-1,890.46	-5,948.09	6,650.24	6,614.48	35.76	185.954		
4,100.00	3,797.65	2,880.99	2,859.72	26.18	12.80	105.53	-1,885.89	-5,960.11	6,678.17	6,641.38	36.78	181.551		
4,200.00	3,887.32	2,964.58	2,942.31	26.93	13.24	105.90	-1,881.31	-5,972.13	6,706.43	6,668.60	37.83	177.290		
4,300.00	3,976.99	3,048.18	3,024.91	27.68	13.68	106.26	-1,876.73	-5,984.16	6,735.01	6,696.15	38.87	173.272		
4,400.00	4,066.67	3,131.77	3,107.51	28.42	14.11	106.62	-1,872.15	-5,996.18	6,763.93	6,724.02	39.91	169.479		
4,500.00	4,156.34	3,215.37	3,190.11	29.17	14.55	106.98	-1,867.58	-6,008.20	6,793.16	6,752.21	40.95	165.892		
4,600.00	4,246.01	3,301.04	3,272.71	29.92	15.00	107.34	-1,863.00	-6,020.22	6,822.71	6,780.72	42.00	162.460		
4,700.00	4,335.68	3,382.55	3,355.31	30.67	15.44	107.69	-1,858.42	-6,032.24	6,852.57	6,809.55	43.02	159.278		
4,800.00	4,425.35	3,466.15	3,437.90	31.42	15.88	108.04	-1,853.85	-6,044.26	6,882.74	6,838.69	44.06	156.225		
4,900.00	4,515.03	3,549.74	3,520.50	32.17	16.32	108.39	-1,849.27	-6,056.29	6,913.22	6,868.13	45.09	153.324		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 800-MWD															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	3,633.34	3,603.10	32.92	16.76	108.74	-1,844.69	-6,068.31	6,943.99	6,897.87	46.12	150.567					
5,100.00	4,694.37	3,716.93	3,685.70	33.67	17.21	109.08	-1,840.12	-6,080.33	6,975.06	6,927.91	47.15	147.942					
5,200.00	4,784.04	3,800.52	3,768.30	34.42	17.65	109.42	-1,835.54	-6,092.35	7,006.42	6,958.25	48.17	145.441					
5,300.00	4,873.71	3,884.12	3,850.90	35.17	18.10	109.76	-1,830.96	-6,104.37	7,038.07	6,988.88	49.20	143.056					
5,400.00	4,963.38	3,967.71	3,933.50	35.92	18.54	110.10	-1,826.39	-6,116.40	7,070.01	7,019.79	50.22	140.780					
5,500.00	5,053.06	4,051.31	4,016.09	36.67	18.99	110.44	-1,821.81	-6,128.42	7,102.22	7,050.98	51.24	138.606					
5,600.00	5,142.73	4,134.90	4,098.69	37.43	19.43	110.77	-1,817.23	-6,140.44	7,134.72	7,082.46	52.26	136.527					
5,700.00	5,232.40	4,218.50	4,181.29	38.18	19.88	111.10	-1,812.66	-6,152.46	7,167.48	7,114.21	53.27	134.538					
5,800.00	5,322.07	4,302.09	4,263.89	38.93	20.33	111.43	-1,808.08	-6,164.48	7,200.52	7,146.23	54.29	132.634					
5,900.00	5,411.74	4,385.68	4,346.49	39.68	20.77	111.75	-1,803.50	-6,176.51	7,233.82	7,178.52	55.30	130.809					
6,000.00	5,501.42	4,469.28	4,429.09	40.44	21.22	112.08	-1,798.93	-6,188.53	7,267.38	7,211.07	56.31	129.059					
6,100.00	5,591.09	4,552.87	4,511.68	41.19	21.67	112.40	-1,794.35	-6,200.55	7,301.20	7,243.88	57.32	127.380					
6,200.00	5,680.76	4,636.47	4,594.28	41.94	22.12	112.72	-1,789.77	-6,212.57	7,335.27	7,276.95	58.32	125.767					
6,300.00	5,770.43	4,720.06	4,676.88	42.70	22.57	113.03	-1,785.19	-6,224.59	7,369.60	7,310.27	59.33	124.218					
6,400.00	5,860.10	4,803.65	4,759.48	43.45	23.01	113.35	-1,780.62	-6,236.62	7,404.17	7,343.84	60.33	122.728					
6,500.00	5,949.77	4,887.25	4,842.08	44.20	23.46	113.66	-1,776.04	-6,248.64	7,438.99	7,377.66	61.33	121.295					
6,600.00	6,039.45	4,970.84	4,924.68	44.96	23.91	113.97	-1,771.46	-6,260.66	7,474.05	7,411.72	62.33	119.916					
6,700.00	6,129.12	5,054.44	5,007.28	45.71	24.36	114.27	-1,766.89	-6,272.68	7,509.34	7,446.02	63.32	118.587					
6,800.00	6,218.79	5,138.03	5,089.87	46.46	24.81	114.58	-1,762.31	-6,284.70	7,544.87	7,480.56	64.32	117.307					
6,900.00	6,308.46	5,221.62	5,172.47	47.22	25.26	114.88	-1,757.73	-6,296.73	7,580.63	7,515.32	65.31	116.072					
6,969.86	6,371.11	5,280.03	5,230.18	47.75	25.57	115.09	-1,754.54	-6,305.12	7,605.75	7,539.75	66.00	115.236					
7,000.00	6,398.25	5,305.44	5,255.29	47.97	25.71	109.95	-1,753.14	-6,308.78	7,615.95	7,549.66	66.30	114.877					
7,050.00	6,443.70	5,348.44	5,297.78	48.31	25.94	100.59	-1,750.79	-6,314.96	7,629.93	7,563.15	66.78	114.261					
7,100.00	6,489.42	5,407.74	5,341.08	48.61	26.26	90.61	-1,748.39	-6,321.27	7,640.16	7,572.85	67.31	113.511					
7,150.00	6,535.12	5,436.64	5,384.93	48.87	26.42	80.66	-1,745.96	-6,327.65	7,646.58	7,578.91	67.67	112.996					
7,200.00	6,580.53	5,481.30	5,429.06	49.09	26.66	71.39	-1,743.52	-6,334.07	7,649.16	7,581.09	68.07	112.369					
7,250.00	6,625.36	5,526.07	5,473.89	49.27	34.37	63.99	-2,431.11	-6,428.49	7,640.50	7,560.67	79.83	95.712					
7,300.00	6,669.35	5,573.87	5,525.58	49.42	34.52	56.82	-2,454.78	-6,428.49	7,623.27	7,543.07	80.20	95.048					
7,350.00	6,712.21	5,617.42	5,566.02	49.55	34.77	50.75	-2,490.16	-6,428.48	7,602.61	7,521.96	80.66	94.258					
7,400.00	6,753.69	5,660.26	5,606.63	49.65	35.07	45.69	-2,529.91	-6,428.48	7,578.59	7,497.47	81.13	93.418					
7,450.00	6,793.52	5,703.86	5,649.76	49.73	35.35	41.54	-2,563.50	-6,428.47	7,551.35	7,469.83	81.52	92.633					
7,500.00	6,831.47	5,747.30	5,693.94	49.81	35.60	38.12	-2,591.93	-6,428.47	7,521.05	7,439.21	81.84	91.904					
7,550.00	6,867.30	5,784.77	5,729.78	49.88	35.71	35.43	-2,604.40	-6,428.47	7,487.88	7,405.89	81.99	91.331					
7,600.00	6,900.78	5,829.37	5,773.99	49.95	35.84	33.18	-2,619.00	-6,428.47	7,452.01	7,369.88	82.14	90.727					
7,650.00	6,931.72	5,872.83	5,816.01	50.03	35.97	31.34	-2,632.47	-6,428.47	7,413.64	7,331.37	82.27	90.112					
7,700.00	6,959.92	5,915.08	5,857.02	50.11	36.09	29.83	-2,644.71	-6,428.47	7,372.98	7,290.60	82.38	89.495					
7,750.00	6,985.20	5,956.02	5,896.03	50.20	36.20	28.62	-2,655.65	-6,428.47	7,330.24	7,247.76	82.48	88.877					
7,800.00	7,007.41	5,995.59	5,934.04	50.30	36.29	27.68	-2,665.23	-6,428.46	7,285.66	7,203.11	82.55	88.258					
7,850.00	7,026.42	6,033.74	5,970.05	50.42	36.37	27.00	-2,673.38	-6,428.46	7,239.49	7,156.88	82.61	87.637					
7,900.00	7,042.11	6,070.42	6,005.06	50.57	36.44	26.61	-2,680.05	-6,428.46	7,191.98	7,109.33	82.65	87.016					
7,950.00	7,054.37	6,106.58	6,039.06	50.73	36.49	26.63	-2,685.21	-6,428.46	7,143.43	7,060.74	82.68	86.395					
8,000.00	7,063.14	6,141.19	6,071.07	50.92	36.53	27.53	-2,688.82	-6,428.46	7,094.10	7,011.39	82.70	85.777					
8,050.00	7,068.36	6,171.23	6,096.07	51.13	36.55	33.02	-2,690.87	-6,428.46	7,044.29	6,961.57	82.72	85.163					
8,094.17	7,070.00	6,197.72	6,116.07	51.34	36.55	-173.15	-2,691.35	-6,428.46	7,000.13	6,917.41	82.72	84.626					
8,100.00	7,070.03	6,197.70	6,116.07	51.37	36.55	-173.15	-2,691.33	-6,428.46	6,994.30	6,911.58	82.72	84.555					
8,200.00	7,070.55	6,227.40	6,141.07	51.94	36.55	-173.25	-2,691.03	-6,428.46	6,894.33	6,811.61	82.72	83.345					
8,300.00	7,071.07	6,252.09	6,163.07	52.64	36.54	-173.35	-2,690.73	-6,428.46	6,794.37	6,711.65	82.72	82.135					
8,400.00	7,071.60	6,277.79	6,183.07	53.49	36.54	-173.45	-2,690.43	-6,428.46	6,694.40	6,611.68	82.72	80.924					
8,500.00	7,072.12	6,303.49	6,208.07	54.50	36.54	-173.54	-2,690.12	-6,428.46	6,594.44	6,511.71	82.73	79.712					
8,600.00	7,072.64	6,329.19	6,231.07	55.69	36.54	-173.64	-2,689.82	-6,428.46	6,494.47	6,411.74	82.73	78.499					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,969.89	7,266.07	57.04	36.53	-173.74	-2,689.52	-6,428.46	6,394.51	6,311.77	82.74	77.286		
8,800.00	7,073.69	7,969.58	7,266.07	58.55	36.53	-173.84	-2,689.22	-6,428.46	6,294.55	6,211.80	82.75	76.071		
8,900.00	7,074.21	7,969.28	7,266.07	60.21	36.53	-173.94	-2,688.92	-6,428.46	6,194.59	6,111.84	82.75	74.857		
9,000.00	7,074.74	7,968.98	7,266.07	61.99	36.52	-174.04	-2,688.61	-6,428.46	6,094.63	6,011.87	82.76	73.641		
9,100.00	7,075.26	7,968.68	7,266.07	63.88	36.52	-174.13	-2,688.31	-6,428.46	5,994.67	5,911.90	82.77	72.425		
9,200.00	7,075.78	7,968.37	7,266.07	65.87	36.52	-174.23	-2,688.01	-6,428.46	5,894.71	5,811.93	82.78	71.209		
9,300.00	7,076.30	7,968.07	7,266.07	67.95	36.51	-174.33	-2,687.71	-6,428.46	5,794.76	5,711.97	82.79	69.992		
9,400.00	7,076.83	7,967.77	7,266.06	70.09	36.51	-174.43	-2,687.40	-6,428.46	5,694.81	5,612.00	82.80	68.775		
9,500.00	7,077.35	7,967.47	7,266.06	72.30	36.51	-174.53	-2,687.10	-6,428.46	5,594.85	5,512.04	82.82	67.557		
9,600.00	7,077.87	7,967.17	7,266.06	74.57	36.51	-174.63	-2,686.80	-6,428.46	5,494.90	5,412.07	82.83	66.339		
9,700.00	7,078.40	7,966.86	7,266.06	76.88	36.50	-174.72	-2,686.50	-6,428.46	5,394.96	5,312.11	82.85	65.120		
9,800.00	7,078.92	7,966.56	7,266.06	79.24	36.50	-174.82	-2,686.19	-6,428.46	5,295.01	5,212.15	82.86	63.901		
9,900.00	7,079.44	7,966.26	7,266.06	81.63	36.50	-174.92	-2,685.89	-6,428.46	5,195.07	5,112.19	82.88	62.682		
10,000.00	7,079.97	7,965.96	7,266.06	84.06	36.49	-175.02	-2,685.59	-6,428.46	5,095.12	5,012.22	82.90	61.462		
10,100.00	7,080.49	7,965.65	7,266.06	86.52	36.49	-175.12	-2,685.29	-6,428.46	4,995.18	4,912.27	82.92	60.243		
10,200.00	7,081.01	7,965.35	7,266.06	89.01	36.49	-175.22	-2,684.99	-6,428.46	4,895.25	4,812.31	82.94	59.023		
10,300.00	7,081.54	7,965.05	7,266.06	91.52	36.48	-175.31	-2,684.68	-6,428.46	4,795.31	4,712.35	82.96	57.803		
10,400.00	7,082.06	7,964.75	7,266.06	94.05	36.48	-175.41	-2,684.38	-6,428.46	4,695.38	4,612.40	82.98	56.583		
10,500.00	7,082.58	7,964.44	7,266.06	96.61	36.48	-175.51	-2,684.08	-6,428.46	4,595.45	4,512.44	83.01	55.362		
10,600.00	7,083.10	7,964.14	7,266.06	99.18	36.47	-175.61	-2,683.78	-6,428.46	4,495.52	4,412.49	83.03	54.142		
10,700.00	7,083.63	7,963.84	7,266.06	101.77	36.47	-175.71	-2,683.47	-6,428.46	4,395.60	4,312.54	83.06	52.922		
10,800.00	7,084.15	7,963.54	7,266.06	104.38	36.47	-175.81	-2,683.17	-6,428.46	4,295.68	4,212.60	83.09	51.702		
10,900.00	7,084.67	7,963.24	7,266.06	107.00	36.47	-175.91	-2,682.87	-6,428.46	4,195.77	4,112.65	83.12	50.481		
11,000.00	7,085.20	7,962.93	7,266.06	109.63	36.46	-176.01	-2,682.57	-6,428.46	4,095.86	4,012.71	83.15	49.261		
11,100.00	7,085.72	7,962.63	7,266.06	112.27	36.46	-176.10	-2,682.27	-6,428.46	3,995.95	3,912.77	83.18	48.041		
11,200.00	7,086.24	7,962.33	7,266.06	114.93	36.46	-176.20	-2,681.96	-6,428.46	3,896.05	3,812.84	83.21	46.821		
11,300.00	7,086.77	7,962.03	7,266.06	117.59	36.45	-176.30	-2,681.66	-6,428.46	3,796.15	3,712.91	83.25	45.602		
11,400.00	7,087.29	7,961.72	7,266.06	120.27	36.45	-176.40	-2,681.36	-6,428.46	3,696.26	3,612.98	83.28	44.383		
11,500.00	7,087.81	7,961.42	7,266.06	122.95	36.45	-176.50	-2,681.06	-6,428.46	3,596.38	3,513.06	83.32	43.163		
11,600.00	7,088.33	7,961.12	7,266.06	125.64	36.44	-176.60	-2,680.75	-6,428.46	3,496.50	3,413.14	83.36	41.945		
11,700.00	7,088.86	7,960.82	7,266.06	128.34	36.44	-176.70	-2,680.45	-6,428.46	3,396.63	3,313.22	83.40	40.726		
11,800.00	7,089.38	7,960.52	7,266.06	131.05	36.44	-176.80	-2,680.15	-6,428.46	3,296.76	3,213.32	83.45	39.508		
11,900.00	7,089.90	7,960.21	7,266.06	133.76	36.44	-176.90	-2,679.85	-6,428.46	3,196.91	3,113.42	83.49	38.291		
12,000.00	7,090.43	7,959.91	7,266.06	136.49	36.43	-176.99	-2,679.55	-6,428.46	3,097.06	3,013.52	83.54	37.073		
12,100.00	7,090.95	7,959.61	7,266.06	139.21	36.43	-177.09	-2,679.24	-6,428.46	2,997.23	2,913.64	83.59	35.857		
12,200.00	7,091.47	7,959.31	7,266.06	141.94	36.43	-177.19	-2,678.94	-6,428.46	2,897.40	2,813.76	83.64	34.641		
12,300.00	7,092.00	7,959.00	7,266.06	144.68	36.42	-177.29	-2,678.64	-6,428.46	2,797.59	2,713.89	83.70	33.425		
12,400.00	7,092.52	7,958.70	7,266.06	147.42	36.42	-177.39	-2,678.34	-6,428.46	2,697.79	2,614.04	83.76	32.210		
12,500.00	7,093.04	7,958.40	7,266.06	150.17	36.42	-177.49	-2,678.03	-6,428.46	2,598.01	2,514.19	83.82	30.996		
12,600.00	7,093.57	7,958.10	7,266.05	152.92	36.41	-177.59	-2,677.73	-6,428.46	2,498.25	2,414.36	83.88	29.782		
12,700.00	7,094.09	7,957.80	7,266.05	155.67	36.41	-177.69	-2,677.43	-6,428.46	2,398.50	2,314.55	83.95	28.569		
12,800.00	7,094.61	7,957.49	7,266.05	158.43	36.41	-177.79	-2,677.13	-6,428.46	2,298.78	2,214.75	84.03	27.357		
12,900.00	7,095.13	7,957.19	7,266.05	161.19	36.41	-177.89	-2,676.82	-6,428.46	2,199.08	2,114.97	84.11	26.146		
13,000.00	7,095.66	7,956.89	7,266.05	163.96	36.40	-177.98	-2,676.52	-6,428.46	2,099.41	2,015.22	84.19	24.936		
13,100.00	7,096.18	7,956.59	7,266.05	166.73	36.40	-178.08	-2,676.22	-6,428.46	1,999.77	1,915.49	84.28	23.726		
13,200.00	7,096.70	7,956.28	7,266.05	169.50	36.40	-178.18	-2,675.92	-6,428.46	1,900.17	1,815.79	84.38	22.518		
13,256.62	7,097.00	7,956.11	7,266.05	171.07	36.39	-178.24	-2,675.75	-6,428.46	1,843.80	1,759.36	84.44	21.834 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-109.54	-1,987.75	-5,600.82	5,943.09					
100.00	100.00	85.00	85.00	3.28	3.29	-109.54	-1,987.75	-5,600.82	5,943.09	5,936.52	6.57	904.580		
200.00	200.00	185.00	185.00	3.34	3.31	-109.54	-1,987.75	-5,600.82	5,943.09	5,936.45	6.64	894.765		
300.00	300.00	285.00	285.00	3.44	3.34	-109.54	-1,987.75	-5,600.82	5,943.09	5,936.31	6.78	876.046		
400.00	399.98	384.98	384.98	3.60	3.39	96.98	-1,987.75	-5,600.82	5,943.30	5,936.32	6.98	851.152		
500.00	499.84	484.84	484.84	3.79	3.45	97.02	-1,987.75	-5,600.82	5,943.94	5,936.71	7.23	821.753		
600.00	599.45	584.45	584.45	4.02	3.52	97.08	-1,987.75	-5,600.82	5,945.01	5,937.48	7.54	788.614		
700.00	698.70	683.70	683.70	4.29	3.61	97.17	-1,987.75	-5,600.82	5,946.54	5,938.64	7.89	753.295		
800.00	797.47	782.47	782.47	4.59	3.70	97.28	-1,987.75	-5,600.82	5,948.53	5,940.23	8.30	717.039		
900.00	895.62	880.62	880.62	4.93	3.81	97.40	-1,987.75	-5,600.82	5,951.01	5,942.27	8.74	680.774		
1,000.00	993.06	1,608.69	1,590.78	5.31	5.00	98.99	-1,981.91	-5,592.94	5,976.17	5,965.86	10.31	579.767		
1,100.00	1,089.64	1,686.85	1,685.77	5.72	5.26	99.39	-1,975.79	-5,584.67	5,969.84	5,958.87	10.97	544.145		
1,200.00	1,185.27	1,781.37	1,779.74	6.16	5.61	99.79	-1,969.74	-5,576.50	5,964.23	5,952.49	11.74	508.159		
1,300.00	1,279.82	1,874.76	1,872.59	6.64	5.96	100.20	-1,963.76	-5,568.42	5,959.40	5,946.86	12.55	475.040		
1,400.00	1,373.17	1,966.90	1,964.19	7.16	6.32	100.62	-1,957.85	-5,560.45	5,955.42	5,942.03	13.40	444.457		
1,500.00	1,465.21	2,057.68	2,054.45	7.71	6.69	101.05	-1,952.04	-5,552.59	5,952.36	5,938.07	14.30	416.394		
1,600.00	1,555.84	2,146.99	2,143.24	8.31	7.06	101.48	-1,946.32	-5,544.87	5,950.29	5,935.05	15.23	390.624		
1,613.50	1,567.96	2,158.93	2,155.10	8.39	7.11	101.53	-1,945.56	-5,543.84	5,950.08	5,934.72	15.36	387.329		
1,700.00	1,645.53	2,235.33	2,231.06	8.93	7.43	101.88	-1,940.66	-5,537.23	5,949.00	5,932.79	16.21	367.104		
1,800.00	1,735.20	2,323.65	2,318.87	9.58	7.81	102.28	-1,935.01	-5,529.59	5,948.08	5,930.88	17.20	345.769		
1,900.00	1,824.87	2,411.98	2,406.68	10.25	8.20	102.68	-1,929.35	-5,521.95	5,947.54	5,929.32	18.22	326.455		
1,997.03	1,911.88	2,502.32	2,491.88	10.90	8.59	103.06	-1,923.86	-5,514.53	5,947.37	5,928.13	19.24	309.138		
2,000.00	1,914.54	2,500.30	2,494.49	10.92	8.59	103.08	-1,923.69	-5,514.31	5,947.37	5,928.12	19.25	308.951		
2,100.00	2,004.21	2,588.62	2,582.30	11.61	8.98	103.47	-1,918.03	-5,506.67	5,947.56	5,927.27	20.29	293.060		
2,200.00	2,093.89	2,676.95	2,670.11	12.30	9.37	103.87	-1,912.38	-5,499.03	5,948.13	5,926.78	21.35	278.603		
2,300.00	2,183.56	2,765.27	2,757.92	13.01	9.77	104.27	-1,906.72	-5,491.38	5,949.06	5,926.65	22.41	265.419		
2,400.00	2,273.23	2,853.59	2,845.73	13.71	10.17	104.67	-1,901.06	-5,483.74	5,950.37	5,926.88	23.49	253.364		
2,500.00	2,362.90	2,941.92	2,933.54	14.43	10.58	105.07	-1,895.41	-5,476.10	5,952.04	5,927.48	24.56	242.315		
2,600.00	2,452.57	3,030.24	3,021.35	15.14	10.98	105.47	-1,889.75	-5,468.46	5,954.08	5,928.44	25.65	232.162		
2,700.00	2,542.25	3,118.56	3,109.16	15.87	11.39	105.87	-1,884.09	-5,460.82	5,956.49	5,929.76	26.73	222.808		
2,800.00	2,631.92	3,206.89	3,196.97	16.59	11.80	106.26	-1,878.44	-5,453.18	5,959.27	5,931.45	27.82	214.170		
2,900.00	2,721.59	3,295.21	3,284.78	17.32	12.21	106.66	-1,872.78	-5,445.54	5,962.42	5,933.50	28.92	206.175		
3,000.00	2,811.26	3,383.53	3,372.59	18.05	12.63	107.06	-1,867.12	-5,437.90	5,965.93	5,935.92	30.02	198.758		
3,100.00	2,900.93	3,471.85	3,460.40	18.78	13.04	107.46	-1,861.47	-5,430.26	5,969.81	5,938.70	31.12	191.862		
3,200.00	2,990.60	3,560.18	3,548.21	19.51	13.45	107.85	-1,855.81	-5,422.62	5,974.06	5,941.84	32.22	185.439		
3,300.00	3,080.28	3,648.50	3,636.02	20.25	13.87	108.25	-1,850.15	-5,414.98	5,978.67	5,945.35	33.32	179.443		
3,400.00	3,169.95	3,736.82	3,723.83	20.99	14.29	108.64	-1,844.49	-5,407.34	5,983.64	5,949.22	34.42	173.838		
3,500.00	3,259.62	3,825.15	3,811.64	21.73	14.70	109.04	-1,838.84	-5,399.70	5,988.98	5,953.46	35.52	168.586		
3,600.00	3,349.29	3,913.47	3,899.45	22.47	15.12	109.43	-1,833.18	-5,392.06	5,994.68	5,958.05	36.63	163.660		
3,700.00	3,438.96	4,001.79	3,987.26	23.21	15.54	109.83	-1,827.52	-5,384.42	6,000.74	5,963.01	37.73	159.029		
3,800.00	3,528.64	4,109.88	4,075.07	23.95	16.05	110.22	-1,821.87	-5,376.78	6,007.16	5,968.24	38.93	154.322		
3,900.00	3,618.31	4,178.44	4,162.88	24.69	16.38	110.61	-1,816.21	-5,369.14	6,013.94	5,974.00	39.94	150.564		
4,000.00	3,707.98	4,266.76	4,250.69	25.44	16.80	111.00	-1,810.55	-5,361.50	6,021.08	5,980.03	41.05	146.688		
4,100.00	3,797.65	4,355.09	4,338.50	26.18	17.22	111.40	-1,804.90	-5,353.86	6,028.57	5,986.42	42.15	143.025		
4,200.00	3,887.32	4,443.41	4,426.31	26.93	17.64	111.79	-1,799.24	-5,346.22	6,036.42	5,993.17	43.25	139.559		
4,300.00	3,976.99	4,531.73	4,514.12	27.68	18.07	112.18	-1,793.58	-5,338.58	6,044.62	6,000.26	44.36	136.275		
4,400.00	4,066.67	4,620.06	4,601.93	28.42	18.49	112.56	-1,787.93	-5,330.94	6,053.17	6,007.72	45.46	133.161		
4,500.00	4,156.34	4,708.38	4,689.74	29.17	18.91	112.95	-1,782.27	-5,323.30	6,062.08	6,015.52	46.56	130.204		
4,600.00	4,246.01	4,796.70	4,777.55	29.92	19.34	113.34	-1,776.61	-5,315.66	6,071.33	6,023.68	47.66	127.395		
4,700.00	4,335.68	4,885.03	4,865.36	30.67	19.76	113.72	-1,770.96	-5,308.02	6,080.93	6,032.18	48.76	124.722		
4,800.00	4,425.35	4,973.35	4,953.17	31.42	20.18	114.11	-1,765.30	-5,300.37	6,090.88	6,041.03	49.85	122.172		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,515.03	5,061.67	5,040.98	32.17	20.61	114.49	-1,759.64	-5,292.73	6,101.17	6,050.22	50.95	119.751					
5,000.00	4,604.70	5,149.99	5,128.79	32.92	21.03	114.88	-1,753.98	-5,285.09	6,111.81	6,059.76	52.04	117.437					
5,100.00	4,694.37	5,238.32	5,216.60	33.67	21.46	115.26	-1,748.33	-5,277.45	6,122.78	6,069.65	53.14	115.228					
5,200.00	4,784.04	5,326.64	5,304.41	34.42	21.88	115.64	-1,742.67	-5,269.81	6,134.10	6,079.87	54.23	113.118					
5,300.00	4,873.71	5,414.96	5,392.22	35.17	22.31	116.02	-1,737.01	-5,262.17	6,145.75	6,090.43	55.32	111.100					
5,400.00	4,963.38	5,503.29	5,480.03	35.92	22.73	116.40	-1,731.36	-5,254.53	6,157.73	6,101.33	56.41	109.169					
5,500.00	5,053.06	5,608.39	5,567.84	36.67	23.24	116.77	-1,725.70	-5,246.89	6,170.05	6,112.48	57.57	107.178					
5,600.00	5,142.73	5,679.93	5,655.65	37.43	23.59	117.15	-1,720.04	-5,239.25	6,182.70	6,124.12	58.58	105.550					
5,700.00	5,232.40	5,716.15	5,691.66	38.18	23.76	117.30	-1,717.72	-5,236.12	6,195.90	6,136.49	59.41	104.287					
5,800.00	5,322.07	5,768.16	5,743.41	38.93	24.01	117.52	-1,714.67	-5,232.00	6,209.99	6,149.67	60.31	102.961					
5,900.00	5,411.74	5,800.00	5,775.14	39.68	24.16	117.65	-1,713.08	-5,229.85	6,225.26	6,164.15	61.11	101.866					
6,000.00	5,501.42	5,834.05	5,809.10	40.44	24.31	117.79	-1,711.61	-5,227.86	6,241.63	6,179.72	61.91	100.820					
6,100.00	5,591.09	5,867.17	5,842.16	41.19	24.46	117.92	-1,710.41	-5,226.24	6,259.09	6,196.40	62.69	99.839					
6,200.00	5,680.76	5,900.00	5,874.95	41.94	24.60	118.05	-1,709.45	-5,224.94	6,277.62	6,214.15	63.46	98.915					
6,300.00	5,770.43	5,933.74	5,908.66	42.70	24.74	118.18	-1,708.69	-5,223.91	6,297.21	6,232.98	64.23	98.044					
6,400.00	5,860.10	5,967.17	5,942.08	43.45	24.88	118.31	-1,708.17	-5,223.21	6,317.85	6,252.87	64.98	97.224					
6,500.00	5,949.77	6,000.00	5,974.91	44.20	25.02	118.43	-1,707.89	-5,222.83	6,339.53	6,273.80	65.72	96.457					
6,600.00	6,039.45	6,049.54	6,024.45	44.96	25.22	118.61	-1,707.82	-5,222.74	6,362.20	6,295.66	66.54	95.615					
6,700.00	6,129.12	6,139.21	6,114.12	45.71	25.57	118.93	-1,707.82	-5,222.74	6,385.31	6,317.75	67.56	94.511					
6,800.00	6,218.79	6,228.88	6,203.79	46.46	25.93	119.25	-1,707.82	-5,222.74	6,408.65	6,340.06	68.58	93.446					
6,900.00	6,308.46	6,318.55	6,293.46	47.22	26.29	119.56	-1,707.82	-5,222.74	6,432.20	6,362.60	69.60	92.419					
6,969.86	6,371.11	6,517.19	6,491.07	47.75	26.99	120.13	-1,723.22	-5,222.74	6,448.60	6,377.66	70.94	90.906					
7,000.00	6,398.25	6,776.82	6,731.87	47.97	27.62	114.92	-1,816.90	-5,222.76	6,453.96	6,381.84	72.12	89.493					
7,050.00	6,443.70	7,148.46	6,992.39	48.31	28.14	104.19	-2,076.79	-5,222.80	6,457.63	6,383.58	74.04	87.215					
7,100.00	6,489.42	7,374.48	7,079.13	48.61	29.36	92.70	-2,284.60	-5,222.83	6,455.85	6,379.96	75.89	85.074					
7,150.00	6,535.12	7,503.84	7,100.08	48.87	30.38	81.68	-2,412.10	-5,222.85	6,449.70	6,372.42	77.28	83.459					
7,200.00	6,580.53	7,200.00	7,101.69	49.09	28.39	71.95	-2,455.89	-5,222.86	6,439.66	6,364.68	74.98	85.886					
7,250.00	6,625.36	7,609.71	7,102.35	49.27	31.33	63.31	-2,498.49	-5,222.87	6,426.11	6,347.42	78.69	81.668					
7,300.00	6,669.35	7,609.48	7,102.30	49.42	31.33	56.11	-2,517.69	-5,222.87	6,409.09	6,330.26	78.83	81.307					
7,350.00	6,712.21	7,628.16	7,102.25	49.55	31.52	50.11	-2,536.37	-5,222.87	6,388.71	6,309.59	79.11	80.755					
7,400.00	6,753.69	7,646.22	7,102.20	49.65	31.70	45.16	-2,554.42	-5,222.88	6,365.07	6,285.71	79.36	80.208					
7,450.00	6,793.52	7,663.54	7,102.15	49.73	31.87	41.08	-2,571.74	-5,222.88	6,338.28	6,258.72	79.57	79.662					
7,500.00	6,831.47	7,680.01	7,102.11	49.81	32.04	37.71	-2,588.22	-5,222.88	6,308.49	6,228.75	79.74	79.114					
7,550.00	6,867.30	7,704.46	7,102.07	49.88	32.29	34.93	-2,603.75	-5,222.88	6,275.83	6,195.85	79.97	78.473					
7,600.00	6,900.78	7,710.04	7,102.03	49.95	32.35	32.61	-2,618.24	-5,222.89	6,240.47	6,160.46	80.01	77.996					
7,650.00	6,931.72	7,723.40	7,102.00	50.03	32.50	30.68	-2,631.60	-5,222.89	6,202.60	6,122.48	80.12	77.418					
7,700.00	6,959.92	7,735.54	7,101.97	50.11	32.63	29.07	-2,643.75	-5,222.89	6,162.41	6,082.20	80.21	76.832					
7,750.00	6,985.20	7,746.40	7,101.94	50.20	32.75	27.73	-2,654.61	-5,222.89	6,120.11	6,039.84	80.27	76.240					
7,800.00	7,007.41	7,755.91	7,101.91	50.30	32.86	26.61	-2,664.11	-5,222.89	6,075.93	5,995.61	80.33	75.640					
7,850.00	7,026.42	7,764.00	7,101.89	50.42	32.95	25.68	-2,672.20	-5,222.89	6,030.12	5,949.75	80.37	75.033					
7,900.00	7,042.11	7,770.63	7,101.87	50.57	33.02	24.90	-2,678.84	-5,222.90	5,982.91	5,902.52	80.39	74.420					
7,950.00	7,054.37	7,775.76	7,101.86	50.73	33.08	24.24	-2,683.96	-5,222.90	5,934.59	5,854.18	80.41	73.801					
8,000.00	7,063.14	7,779.35	7,101.85	50.92	33.12	23.63	-2,687.55	-5,222.90	5,885.43	5,805.00	80.42	73.180					
8,050.00	7,068.36	7,781.38	7,101.85	51.13	33.14	22.68	-2,689.59	-5,222.90	5,835.71	5,755.28	80.43	72.557					
8,094.17	7,070.00	7,781.88	7,101.84	51.34	33.15	-135.68	-2,690.08	-5,222.90	5,791.57	5,711.14	80.43	72.007					
8,100.00	7,070.03	7,781.86	7,101.84	51.37	33.15	-135.71	-2,690.06	-5,222.90	5,785.74	5,705.31	80.43	71.935					
8,200.00	7,070.55	7,781.58	7,101.84	51.94	33.14	-136.21	-2,689.78	-5,222.90	5,685.74	5,605.32	80.43	70.693					
8,300.00	7,071.07	7,781.30	7,101.85	52.64	33.14	-136.72	-2,689.51	-5,222.90	5,585.74	5,505.32	80.43	69.451					
8,400.00	7,071.60	7,781.02	7,101.85	53.49	33.14	-137.23	-2,689.23	-5,222.90	5,485.75	5,405.32	80.43	68.208					
8,500.00	7,072.12	7,780.75	7,101.85	54.50	33.13	-137.76	-2,688.95	-5,222.90	5,385.75	5,305.32	80.43	66.965					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 1500-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,600.00	7,072.64	7,780.47	7,101.85	55.69	33.13	-138.29	-2,688.67	-5,222.90	5,285.75	5,205.32	80.43	65.721			
8,700.00	7,073.17	7,780.19	7,101.85	57.04	33.13	-138.83	-2,688.39	-5,222.90	5,185.75	5,105.32	80.43	64.476			
8,800.00	7,073.69	7,779.91	7,101.85	58.55	33.12	-139.38	-2,688.11	-5,222.90	5,085.75	5,005.32	80.43	63.231			
8,900.00	7,074.21	7,779.63	7,101.85	60.21	33.12	-139.95	-2,687.84	-5,222.90	4,985.75	4,905.31	80.44	61.985			
9,000.00	7,074.74	7,779.35	7,101.85	61.99	33.12	-140.52	-2,687.56	-5,222.90	4,885.75	4,805.31	80.44	60.738			
9,100.00	7,075.26	7,779.08	7,101.85	63.88	33.12	-141.10	-2,687.28	-5,222.90	4,785.75	4,705.31	80.44	59.491			
9,200.00	7,075.78	7,778.80	7,101.85	65.87	33.11	-141.68	-2,687.00	-5,222.90	4,685.75	4,605.30	80.45	58.244			
9,300.00	7,076.30	7,778.52	7,101.85	67.95	33.11	-142.28	-2,686.72	-5,222.90	4,585.75	4,505.30	80.46	56.996			
9,400.00	7,076.83	7,778.24	7,101.85	70.09	33.11	-142.89	-2,686.44	-5,222.90	4,485.75	4,405.29	80.46	55.748			
9,500.00	7,077.35	7,777.96	7,101.85	72.30	33.10	-143.51	-2,686.17	-5,222.90	4,385.76	4,305.28	80.47	54.500			
9,600.00	7,077.87	7,777.68	7,101.86	74.57	33.10	-144.14	-2,685.89	-5,222.90	4,285.76	4,205.27	80.48	53.251			
9,700.00	7,078.40	7,777.41	7,101.86	76.88	33.10	-144.78	-2,685.61	-5,222.90	4,185.76	4,105.27	80.49	52.002			
9,800.00	7,078.92	7,777.13	7,101.86	79.24	33.09	-145.43	-2,685.33	-5,222.90	4,085.76	4,005.26	80.50	50.753			
9,900.00	7,079.44	7,776.85	7,101.86	81.63	33.09	-146.09	-2,685.05	-5,222.90	3,985.76	3,905.25	80.51	49.504			
10,000.00	7,079.97	7,776.57	7,101.86	84.06	33.09	-146.76	-2,684.77	-5,222.90	3,885.76	3,805.23	80.53	48.254			
10,100.00	7,080.49	7,776.29	7,101.86	86.52	33.08	-147.44	-2,684.49	-5,222.90	3,785.76	3,705.22	80.54	47.005			
10,200.00	7,081.01	7,776.01	7,101.86	89.01	33.08	-148.13	-2,684.22	-5,222.90	3,685.76	3,605.21	80.55	45.755			
10,300.00	7,081.54	7,775.74	7,101.86	91.52	33.08	-148.83	-2,683.94	-5,222.90	3,585.77	3,505.20	80.57	44.505			
10,400.00	7,082.06	7,775.46	7,101.86	94.05	33.08	-149.54	-2,683.66	-5,222.90	3,485.77	3,405.18	80.59	43.256			
10,500.00	7,082.58	7,775.18	7,101.86	96.61	33.07	-150.26	-2,683.38	-5,222.90	3,385.77	3,305.17	80.60	42.006			
10,600.00	7,083.10	7,774.90	7,101.86	99.18	33.07	-150.99	-2,683.10	-5,222.90	3,285.77	3,205.15	80.62	40.756			
10,700.00	7,083.63	7,774.62	7,101.86	101.77	33.07	-151.73	-2,682.82	-5,222.90	3,185.77	3,105.13	80.64	39.507			
10,800.00	7,084.15	7,774.34	7,101.86	104.38	33.06	-152.49	-2,682.55	-5,222.90	3,085.77	3,005.12	80.66	38.257			
10,900.00	7,084.67	7,774.07	7,101.86	107.00	33.06	-153.25	-2,682.27	-5,222.90	2,985.78	2,905.10	80.68	37.008			
11,000.00	7,085.20	7,773.79	7,101.87	109.63	33.06	-154.02	-2,681.99	-5,222.90	2,885.78	2,805.08	80.70	35.759			
11,100.00	7,085.72	7,773.51	7,101.87	112.27	33.05	-154.81	-2,681.71	-5,222.90	2,785.78	2,705.06	80.72	34.511			
11,200.00	7,086.24	7,773.23	7,101.87	114.93	33.05	-155.60	-2,681.43	-5,222.90	2,685.78	2,605.04	80.75	33.262			
11,300.00	7,086.77	7,772.95	7,101.87	117.59	33.05	-156.40	-2,681.15	-5,222.90	2,585.78	2,505.01	80.77	32.014			
11,400.00	7,087.29	7,772.67	7,101.87	120.27	33.04	-157.22	-2,680.88	-5,222.90	2,485.79	2,404.99	80.80	30.766			
11,500.00	7,087.81	7,772.39	7,101.87	122.95	33.04	-158.04	-2,680.60	-5,222.90	2,385.79	2,304.97	80.82	29.519			
11,600.00	7,088.33	7,772.12	7,101.87	125.64	33.04	-158.87	-2,680.32	-5,222.90	2,285.79	2,204.94	80.85	28.272			
11,700.00	7,088.86	7,771.84	7,101.87	128.34	33.03	-159.72	-2,680.04	-5,222.90	2,185.80	2,104.92	80.88	27.025			
11,800.00	7,089.38	7,771.56	7,101.87	131.05	33.03	-160.57	-2,679.76	-5,222.90	2,085.80	2,004.89	80.91	25.779			
11,900.00	7,089.90	7,771.28	7,101.87	133.76	33.03	-161.43	-2,679.48	-5,222.90	1,985.80	1,904.86	80.94	24.534			
12,000.00	7,090.43	7,771.00	7,101.87	136.49	33.03	-162.30	-2,679.21	-5,222.90	1,885.81	1,804.83	80.97	23.289			
12,100.00	7,090.95	7,770.72	7,101.87	139.21	33.02	-163.18	-2,678.93	-5,222.90	1,785.81	1,704.80	81.01	22.044			
12,200.00	7,091.47	7,770.45	7,101.87	141.94	33.02	-164.06	-2,678.65	-5,222.90	1,685.82	1,604.77	81.05	20.801			
12,300.00	7,092.00	7,770.17	7,101.87	144.68	33.02	-164.96	-2,678.37	-5,222.90	1,585.82	1,504.74	81.08	19.558			
12,400.00	7,092.52	7,769.89	7,101.88	147.42	33.01	-165.86	-2,678.09	-5,222.90	1,485.83	1,404.70	81.13	18.315			
12,500.00	7,093.04	7,769.61	7,101.88	150.17	33.01	-166.77	-2,677.81	-5,222.90	1,385.84	1,304.67	81.17	17.074			
12,600.00	7,093.57	7,769.33	7,101.88	152.92	33.01	-167.68	-2,677.54	-5,222.90	1,285.84	1,204.63	81.21	15.833			
12,700.00	7,094.09	7,769.05	7,101.88	155.67	33.00	-168.60	-2,677.26	-5,222.89	1,185.85	1,104.59	81.26	14.593			
12,800.00	7,094.61	7,768.78	7,101.88	158.43	33.00	-169.53	-2,676.98	-5,222.89	1,085.86	1,004.55	81.32	13.353			
12,900.00	7,095.13	7,768.50	7,101.88	161.19	33.00	-170.46	-2,676.70	-5,222.89	985.88	904.50	81.38	12.115			
13,000.00	7,095.66	7,768.22	7,101.88	163.96	32.99	-171.40	-2,676.42	-5,222.89	885.89	804.45	81.44	10.878			
13,100.00	7,096.18	7,767.94	7,101.88	166.73	32.99	-172.34	-2,676.14	-5,222.89	785.91	704.40	81.52	9.641			
13,200.00	7,096.70	7,767.66	7,101.88	169.50	32.99	-173.29	-2,675.87	-5,222.89	685.94	604.34	81.60	8.406			
13,256.62	7,097.00	7,767.50	7,101.88	171.07	32.99	-173.83	-2,675.71	-5,222.89	629.34	547.68	81.66	7.707 CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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 #15U-443(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 2000-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	15.00	-15.00	3.28	3.28	-109.44	-1,987.74	-5,631.41	5,971.93					
100.00	100.00	85.00	85.00	3.28	3.29	-109.44	-1,987.74	-5,631.41	5,971.93	5,965.36	6.57	908.969		
200.00	200.00	185.00	185.00	3.34	3.31	-109.44	-1,987.74	-5,631.41	5,971.93	5,965.29	6.64	899.107		
300.00	300.00	285.00	285.00	3.44	3.34	-109.44	-1,987.74	-5,631.41	5,971.93	5,965.14	6.78	880.297		
400.00	399.98	384.98	384.98	3.60	3.39	97.08	-1,987.74	-5,631.41	5,972.14	5,965.16	6.98	855.283		
500.00	499.84	484.84	484.84	3.79	3.45	97.12	-1,987.74	-5,631.41	5,972.79	5,965.56	7.23	825.741		
600.00	599.45	584.45	584.45	4.02	3.52	97.18	-1,987.74	-5,631.41	5,973.88	5,966.34	7.54	792.442		
700.00	698.70	683.70	683.70	4.29	3.61	97.26	-1,987.74	-5,631.41	5,975.42	5,967.53	7.89	756.953		
800.00	797.47	782.47	782.47	4.59	3.70	97.37	-1,987.74	-5,631.41	5,977.44	5,969.14	8.30	720.523		
900.00	895.62	880.62	880.62	4.93	3.81	97.50	-1,987.74	-5,631.41	5,979.96	5,971.21	8.74	684.084		
1,000.00	993.06	978.06	978.06	5.31	3.92	97.65	-1,987.74	-5,631.41	5,983.00	5,973.77	9.23	648.292		
1,100.00	1,089.64	1,074.64	1,074.64	5.72	4.04	97.81	-1,987.74	-5,631.41	5,986.60	5,976.84	9.76	613.582		
1,200.00	1,185.27	1,170.27	1,170.27	6.16	4.17	97.99	-1,987.74	-5,631.41	5,990.80	5,980.47	10.32	580.229		
1,300.00	1,279.82	1,264.82	1,264.82	6.64	4.30	98.19	-1,987.74	-5,631.41	5,995.64	5,984.71	10.93	548.391		
1,400.00	1,373.17	1,358.17	1,358.17	7.16	4.43	98.40	-1,987.74	-5,631.41	6,001.17	5,989.59	11.58	518.144		
1,500.00	1,465.21	1,450.21	1,450.21	7.71	4.57	98.61	-1,987.74	-5,631.41	6,007.44	5,995.16	12.27	489.513		
1,600.00	1,555.84	1,540.84	1,540.84	8.31	4.71	98.83	-1,987.74	-5,631.41	6,014.49	6,001.49	13.00	462.489		
1,613.50	1,567.96	1,552.96	1,552.96	8.39	4.73	98.86	-1,987.74	-5,631.41	6,015.51	6,002.40	13.11	458.982		
1,700.00	1,645.53	1,630.53	1,630.53	8.93	4.85	99.19	-1,987.74	-5,631.41	6,022.19	6,008.42	13.77	437.304		
1,800.00	1,735.20	1,720.20	1,720.20	9.58	5.00	99.56	-1,987.74	-5,631.41	6,030.20	6,015.64	14.56	414.153		
1,900.00	1,824.87	1,809.87	1,809.87	10.25	5.15	99.93	-1,987.74	-5,631.41	6,038.53	6,023.16	15.37	392.960		
2,000.00	1,914.54	1,899.54	1,899.54	10.92	5.30	100.31	-1,987.74	-5,631.41	6,047.17	6,030.98	16.19	373.570		
2,100.00	2,004.21	1,989.21	1,989.21	11.61	5.46	100.68	-1,987.74	-5,631.41	6,056.12	6,039.10	17.02	355.824		
2,200.00	2,093.89	2,078.89	2,078.89	12.30	5.60	101.11	-1,986.31	-5,631.68	6,065.30	6,047.25	18.05	336.042		
2,300.00	2,183.56	2,168.56	2,168.56	13.01	5.74	101.57	-1,981.43	-5,632.58	6,074.63	6,055.52	19.11	317.932		
2,400.00	2,273.23	2,258.23	2,258.23	13.71	5.88	102.03	-1,973.48	-5,634.06	6,084.18	6,064.02	20.16	301.729		
2,500.00	2,362.90	2,347.90	2,347.90	14.43	6.02	102.44	-1,965.48	-5,635.54	6,094.11	6,072.92	21.19	287.629		
2,600.00	2,452.57	2,437.57	2,437.57	15.14	6.16	102.86	-1,957.36	-5,637.05	6,104.47	6,082.25	22.22	274.676		
2,700.00	2,542.25	2,527.25	2,527.25	15.87	6.30	103.27	-1,949.24	-5,638.56	6,115.27	6,092.00	23.27	262.800		
2,800.00	2,631.92	2,616.92	2,616.92	16.59	6.44	103.69	-1,941.11	-5,640.06	6,126.49	6,102.17	24.32	251.888		
2,900.00	2,721.59	2,706.59	2,706.59	17.32	6.58	104.10	-1,932.99	-5,641.57	6,138.15	6,112.77	25.38	241.842		
3,000.00	2,811.26	2,796.26	2,796.26	18.05	6.72	104.51	-1,924.87	-5,643.07	6,150.23	6,123.77	26.46	232.430		
3,100.00	2,900.93	2,885.93	2,885.93	18.78	6.86	104.92	-1,916.75	-5,644.58	6,162.73	6,135.22	27.51	224.001		
3,200.00	2,990.60	2,975.60	2,975.60	19.51	6.99	105.33	-1,908.63	-5,646.09	6,175.65	6,147.07	28.58	216.061		
3,300.00	3,080.28	3,065.28	3,065.28	20.25	7.12	105.74	-1,900.51	-5,647.59	6,189.00	6,159.34	29.66	208.691		
3,400.00	3,169.95	3,154.95	3,154.95	20.99	7.25	106.14	-1,892.39	-5,649.10	6,202.75	6,172.02	30.73	201.836		
3,500.00	3,259.62	3,244.62	3,244.62	21.73	7.38	106.55	-1,884.27	-5,650.61	6,216.92	6,185.11	31.81	195.449		
3,600.00	3,349.29	3,334.29	3,334.29	22.47	7.51	106.95	-1,876.15	-5,652.11	6,231.50	6,198.62	32.89	189.487		
3,700.00	3,438.96	3,423.96	3,423.96	23.21	7.64	107.35	-1,868.03	-5,653.62	6,246.49	6,212.47	34.02	183.619		
3,800.00	3,528.64	3,513.64	3,513.64	23.95	7.77	107.75	-1,859.91	-5,655.12	6,261.88	6,226.84	35.04	178.690		
3,900.00	3,618.31	3,603.31	3,603.31	24.69	7.90	108.15	-1,851.79	-5,656.63	6,277.67	6,241.55	36.12	173.792		
4,000.00	3,707.98	3,692.98	3,692.98	25.44	8.03	108.55	-1,843.67	-5,658.14	6,293.86	6,256.66	37.20	169.190		
4,100.00	3,797.65	3,782.65	3,782.65	26.18	8.16	108.95	-1,835.55	-5,659.64	6,310.44	6,272.17	38.28	164.860		
4,200.00	3,887.32	3,872.32	3,872.32	26.93	8.29	109.34	-1,827.43	-5,661.15	6,327.42	6,288.07	39.35	160.781		
4,300.00	3,976.99	3,961.99	3,961.99	27.68	8.42	109.74	-1,819.31	-5,662.65	6,344.79	6,304.36	40.43	156.932		
4,400.00	4,066.67	4,051.67	4,051.67	28.42	8.55	110.13	-1,811.19	-5,664.16	6,362.54	6,321.03	41.50	153.297		
4,500.00	4,156.34	4,141.34	4,141.34	29.17	8.68	110.52	-1,803.07	-5,665.67	6,380.67	6,338.09	42.58	149.859		
4,600.00	4,246.01	4,231.01	4,231.01	29.92	8.81	110.90	-1,794.95	-5,667.17	6,399.18	6,355.53	43.65	146.604		
4,700.00	4,335.68	4,320.68	4,320.68	30.67	8.94	111.29	-1,786.83	-5,668.68	6,418.07	6,373.35	44.72	143.518		
4,800.00	4,425.35	4,410.35	4,410.35	31.42	9.07	111.68	-1,778.70	-5,670.19	6,437.33	6,391.54	45.79	140.591		
4,900.00	4,515.03	4,500.03	4,500.03	32.17	9.20	112.06	-1,770.58	-5,671.69	6,456.96	6,410.11	46.85	137.810		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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					
5,000.00	4,604.70	4,500.51	4,489.58	32.92	16.28	112.44	-1,762.46	-5,673.20	6,476.96	6,429.04	47.92	135.166					
5,100.00	4,694.37	4,585.63	4,574.30	33.67	16.67	112.82	-1,754.34	-5,674.70	6,497.31	6,448.33	48.98	132.650					
5,200.00	4,784.04	4,670.75	4,659.02	34.42	17.07	113.20	-1,746.22	-5,676.21	6,518.03	6,467.99	50.04	130.254					
5,300.00	4,873.71	4,755.87	4,743.74	35.17	17.46	113.57	-1,738.10	-5,677.72	6,539.10	6,488.00	51.10	127.970					
5,400.00	4,963.38	4,840.99	4,828.46	35.92	17.86	113.95	-1,729.98	-5,679.22	6,560.53	6,508.37	52.15	125.790					
5,500.00	5,053.06	4,926.11	4,913.18	36.67	18.26	114.32	-1,721.86	-5,680.73	6,582.30	6,529.09	53.21	123.710					
5,600.00	5,142.73	5,077.92	5,064.56	37.43	18.94	114.95	-1,710.87	-5,682.77	6,604.03	6,549.44	54.59	120.969					
5,700.00	5,232.40	5,230.81	5,217.40	38.18	19.59	115.52	-1,707.72	-5,683.35	6,625.06	6,569.12	55.95	118.416					
5,800.00	5,322.07	5,320.48	5,307.07	38.93	19.97	115.83	-1,707.72	-5,683.35	6,645.98	6,588.99	56.99	116.624					
5,900.00	5,411.74	5,410.15	5,396.74	39.68	20.34	116.15	-1,707.72	-5,683.35	6,667.12	6,609.09	58.02	114.902					
6,000.00	5,501.42	5,499.83	5,486.42	40.44	20.71	116.46	-1,707.72	-5,683.35	6,688.48	6,629.42	59.06	113.249					
6,100.00	5,591.09	5,589.50	5,576.09	41.19	21.08	116.77	-1,707.72	-5,683.35	6,710.08	6,649.98	60.09	111.659					
6,200.00	5,680.76	5,679.17	5,665.76	41.94	21.46	117.08	-1,707.72	-5,683.35	6,731.89	6,670.76	61.13	110.129					
6,300.00	5,770.43	5,768.84	5,755.43	42.70	21.83	117.39	-1,707.72	-5,683.35	6,753.92	6,691.76	62.16	108.657					
6,400.00	5,860.10	5,858.51	5,845.10	43.45	22.21	117.69	-1,707.72	-5,683.35	6,776.17	6,712.99	63.19	107.240					
6,500.00	5,949.77	5,948.19	5,934.77	44.20	22.58	118.00	-1,707.72	-5,683.35	6,798.64	6,734.42	64.21	105.874					
6,600.00	6,039.45	6,037.86	6,024.45	44.96	22.96	118.30	-1,707.72	-5,683.35	6,821.32	6,756.08	65.24	104.557					
6,700.00	6,129.12	6,127.53	6,114.12	45.71	23.33	118.60	-1,707.72	-5,683.35	6,844.21	6,777.94	66.26	103.287					
6,800.00	6,218.79	6,217.20	6,203.79	46.46	23.70	118.90	-1,707.72	-5,683.35	6,867.31	6,800.02	67.29	102.061					
6,900.00	6,308.46	6,306.87	6,293.46	47.22	24.08	119.20	-1,707.72	-5,683.35	6,890.61	6,822.30	68.31	100.877					
6,969.86	6,371.11	6,369.52	6,356.11	47.75	24.34	119.40	-1,707.72	-5,683.35	6,907.01	6,838.00	69.02	100.075					
7,000.00	6,398.25	6,396.66	6,383.25	47.97	24.45	114.22	-1,707.72	-5,683.35	6,913.43	6,844.11	69.32	99.729					
7,050.00	6,443.70	6,442.11	6,428.70	48.31	24.64	104.82	-1,707.72	-5,683.35	6,921.03	6,851.22	69.81	99.137					
7,100.00	6,489.42	6,487.83	6,474.42	48.61	24.84	94.82	-1,707.72	-5,683.35	6,924.80	6,854.52	70.28	98.532					
7,150.00	6,535.12	7,400.00	7,195.82	48.87	27.91	83.66	-2,174.16	-5,683.27	6,922.75	6,848.19	74.56	92.847					
7,200.00	6,580.53	7,641.25	7,253.58	49.09	29.62	72.71	-2,407.39	-5,683.23	6,912.33	6,835.57	76.76	90.050					
7,250.00	6,625.36	7,665.53	7,256.12	49.27	29.83	64.27	-2,431.53	-5,683.23	6,898.22	6,821.04	77.18	89.376					
7,300.00	6,669.35	7,689.32	7,258.61	49.42	30.04	57.09	-2,455.20	-5,683.22	6,880.63	6,803.08	77.56	88.717					
7,350.00	6,712.21	7,725.10	7,262.06	49.55	30.38	51.00	-2,490.81	-5,683.22	6,859.64	6,781.61	78.04	87.902					
7,400.00	6,753.69	7,764.91	7,264.65	49.65	30.76	45.92	-2,530.53	-5,683.21	6,835.32	6,756.78	78.54	87.033					
7,450.00	6,793.52	7,798.49	7,265.76	49.73	31.09	41.75	-2,564.09	-5,683.20	6,807.80	6,728.86	78.94	86.240					
7,500.00	6,831.47	7,823.56	7,265.96	49.81	31.34	38.35	-2,589.16	-5,683.20	6,777.26	6,698.02	79.24	85.527					
7,550.00	6,867.30	7,839.22	7,265.98	49.88	31.51	35.62	-2,604.81	-5,683.20	6,743.87	6,664.45	79.42	84.912					
7,600.00	6,900.78	7,853.82	7,265.99	49.95	31.67	33.38	-2,619.41	-5,683.19	6,707.82	6,628.24	79.57	84.297					
7,650.00	6,931.72	7,867.28	7,266.01	50.03	31.81	31.54	-2,632.88	-5,683.19	6,669.29	6,589.59	79.70	83.680					
7,700.00	6,959.92	7,879.52	7,266.02	50.11	31.94	30.04	-2,645.11	-5,683.19	6,628.49	6,548.69	79.80	83.060					
7,750.00	6,985.20	7,909.54	7,266.03	50.20	32.28	28.84	-2,656.05	-5,683.19	6,585.64	6,505.53	80.10	82.216					
7,800.00	7,007.41	7,900.03	7,266.04	50.30	32.17	27.92	-2,665.63	-5,683.19	6,540.96	6,461.01	79.95	81.809					
7,850.00	7,026.42	7,908.18	7,266.05	50.42	32.26	27.28	-2,673.77	-5,683.18	6,494.72	6,414.71	80.01	81.170					
7,900.00	7,042.11	7,914.85	7,266.06	50.57	32.34	26.95	-2,680.45	-5,683.18	6,447.16	6,367.10	80.06	80.530					
7,950.00	7,054.37	7,920.00	7,266.06	50.73	32.40	27.09	-2,685.60	-5,683.18	6,398.57	6,318.47	80.09	79.890					
8,000.00	7,063.14	7,923.61	7,266.07	50.92	32.44	28.29	-2,689.21	-5,683.18	6,349.21	6,269.10	80.11	79.252					
8,050.00	7,068.36	7,925.65	7,266.07	51.13	32.47	35.54	-2,691.25	-5,683.18	6,299.39	6,219.26	80.13	78.618					
8,094.17	7,070.00	7,926.13	7,266.07	51.34	32.47	-173.87	-2,691.73	-5,683.18	6,255.23	6,175.10	80.13	78.063					
8,100.00	7,070.03	7,926.11	7,266.07	51.37	32.47	-173.87	-2,691.71	-5,683.18	6,249.40	6,169.27	80.13	77.990					
8,200.00	7,070.55	7,925.80	7,266.07	51.94	32.47	-173.97	-2,691.40	-5,683.18	6,149.44	6,069.31	80.13	76.740					
8,300.00	7,071.07	7,925.49	7,266.07	52.64	32.46	-174.07	-2,691.09	-5,683.18	6,049.49	5,969.35	80.14	75.489					
8,400.00	7,071.60	7,925.18	7,266.07	53.49	32.46	-174.17	-2,690.78	-5,683.18	5,949.53	5,869.39	80.14	74.237					
8,500.00	7,072.12	7,924.88	7,266.07	54.50	32.46	-174.27	-2,690.47	-5,683.18	5,849.58	5,769.43	80.15	72.984					
8,600.00	7,072.64	7,924.57	7,266.07	55.69	32.45	-174.37	-2,690.16	-5,683.18	5,749.63	5,669.47	80.16	71.731					

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,924.26	7,266.07	57.04	32.45	-174.46	-2,689.85	-5,683.18	5,649.68	5,569.51	80.16	70.477		
8,800.00	7,073.69	7,923.95	7,266.07	58.55	32.45	-174.56	-2,689.54	-5,683.18	5,549.73	5,469.55	80.17	69.223		
8,900.00	7,074.21	7,923.64	7,266.07	60.21	32.44	-174.66	-2,689.23	-5,683.18	5,449.78	5,369.60	80.18	67.967		
9,000.00	7,074.74	7,923.33	7,266.07	61.99	32.44	-174.76	-2,688.92	-5,683.18	5,349.83	5,269.64	80.19	66.712		
9,100.00	7,075.26	7,923.02	7,266.07	63.88	32.44	-174.86	-2,688.61	-5,683.18	5,249.89	5,169.69	80.21	65.455		
9,200.00	7,075.78	7,922.71	7,266.07	65.87	32.43	-174.96	-2,688.31	-5,683.18	5,149.95	5,069.73	80.22	64.199		
9,300.00	7,076.30	7,922.40	7,266.07	67.95	32.43	-175.06	-2,688.00	-5,683.18	5,050.01	4,969.78	80.23	62.941		
9,400.00	7,076.83	7,922.09	7,266.07	70.09	32.42	-175.15	-2,687.69	-5,683.18	4,950.08	4,869.83	80.25	61.684		
9,500.00	7,077.35	7,921.78	7,266.07	72.30	32.42	-175.25	-2,687.38	-5,683.18	4,850.14	4,769.88	80.27	60.426		
9,600.00	7,077.87	7,921.47	7,266.06	74.57	32.42	-175.35	-2,687.07	-5,683.18	4,750.21	4,669.93	80.28	59.167		
9,700.00	7,078.40	7,921.16	7,266.06	76.88	32.41	-175.45	-2,686.76	-5,683.18	4,650.29	4,569.98	80.30	57.909		
9,800.00	7,078.92	7,920.85	7,266.06	79.24	32.41	-175.55	-2,686.45	-5,683.18	4,550.36	4,470.04	80.32	56.650		
9,900.00	7,079.44	7,920.54	7,266.06	81.63	32.41	-175.65	-2,686.14	-5,683.18	4,450.44	4,370.09	80.35	55.391		
10,000.00	7,079.97	7,920.23	7,266.06	84.06	32.40	-175.75	-2,685.83	-5,683.18	4,350.52	4,270.15	80.37	54.132		
10,100.00	7,080.49	7,919.92	7,266.06	86.52	32.40	-175.85	-2,685.52	-5,683.18	4,250.61	4,170.22	80.39	52.872		
10,200.00	7,081.01	7,919.61	7,266.06	89.01	32.40	-175.94	-2,685.21	-5,683.18	4,150.70	4,070.28	80.42	51.613		
10,300.00	7,081.54	7,919.30	7,266.06	91.52	32.39	-176.04	-2,684.90	-5,683.18	4,050.80	3,970.35	80.45	50.353		
10,400.00	7,082.06	7,918.99	7,266.06	94.05	32.39	-176.14	-2,684.59	-5,683.18	3,950.90	3,870.42	80.48	49.093		
10,500.00	7,082.58	7,918.69	7,266.06	96.61	32.38	-176.24	-2,684.28	-5,683.18	3,851.00	3,770.49	80.51	47.834		
10,600.00	7,083.10	7,918.38	7,266.06	99.18	32.38	-176.34	-2,683.97	-5,683.18	3,751.11	3,670.57	80.54	46.574		
10,700.00	7,083.63	7,918.07	7,266.06	101.77	32.38	-176.44	-2,683.66	-5,683.18	3,651.23	3,570.65	80.57	45.315		
10,800.00	7,084.15	7,917.76	7,266.06	104.38	32.37	-176.54	-2,683.35	-5,683.18	3,551.35	3,470.74	80.61	44.056		
10,900.00	7,084.67	7,917.45	7,266.06	107.00	32.37	-176.64	-2,683.04	-5,683.18	3,451.48	3,370.83	80.65	42.796		
11,000.00	7,085.20	7,917.14	7,266.06	109.63	32.37	-176.74	-2,682.73	-5,683.18	3,351.62	3,270.93	80.69	41.537		
11,100.00	7,085.72	7,916.83	7,266.06	112.27	32.36	-176.84	-2,682.42	-5,683.18	3,251.77	3,171.03	80.73	40.279		
11,200.00	7,086.24	7,916.52	7,266.06	114.93	32.36	-176.94	-2,682.12	-5,683.18	3,151.92	3,071.15	80.78	39.020		
11,300.00	7,086.77	7,916.21	7,266.06	117.59	32.36	-177.03	-2,681.81	-5,683.18	3,052.09	2,971.26	80.82	37.762		
11,400.00	7,087.29	7,915.90	7,266.06	120.27	32.35	-177.13	-2,681.50	-5,683.18	2,952.26	2,871.39	80.87	36.505		
11,500.00	7,087.81	7,915.59	7,266.06	122.95	32.35	-177.23	-2,681.19	-5,683.18	2,852.45	2,771.53	80.93	35.247		
11,600.00	7,088.33	7,915.28	7,266.06	125.64	32.34	-177.33	-2,680.88	-5,683.18	2,752.66	2,671.67	80.98	33.991		
11,700.00	7,088.86	7,914.97	7,266.06	128.34	32.34	-177.43	-2,680.57	-5,683.18	2,652.88	2,571.83	81.04	32.734		
11,800.00	7,089.38	7,914.66	7,266.06	131.05	32.34	-177.53	-2,680.26	-5,683.18	2,553.11	2,472.01	81.11	31.479		
11,900.00	7,089.90	7,914.35	7,266.06	133.76	32.33	-177.63	-2,679.95	-5,683.18	2,453.37	2,372.19	81.17	30.224		
12,000.00	7,090.43	7,914.04	7,266.06	136.49	32.33	-177.73	-2,679.64	-5,683.18	2,353.64	2,272.40	81.25	28.969		
12,100.00	7,090.95	7,913.73	7,266.06	139.21	32.33	-177.83	-2,679.33	-5,683.18	2,253.94	2,172.62	81.32	27.716		
12,200.00	7,091.47	7,913.42	7,266.06	141.94	32.32	-177.93	-2,679.02	-5,683.18	2,154.27	2,072.87	81.41	26.463		
12,300.00	7,092.00	7,913.11	7,266.06	144.68	32.32	-178.03	-2,678.71	-5,683.18	2,054.63	1,973.14	81.50	25.211		
12,400.00	7,092.52	7,912.81	7,266.06	147.42	32.32	-178.13	-2,678.40	-5,683.18	1,955.03	1,873.43	81.59	23.960		
12,500.00	7,093.04	7,912.50	7,266.06	150.17	32.31	-178.23	-2,678.09	-5,683.18	1,855.47	1,773.77	81.70	22.710		
12,600.00	7,093.57	7,912.19	7,266.06	152.92	32.31	-178.32	-2,677.78	-5,683.18	1,755.96	1,674.14	81.82	21.462		
12,700.00	7,094.09	7,911.88	7,266.05	155.67	32.30	-178.42	-2,677.47	-5,683.18	1,656.51	1,574.56	81.95	20.214		
12,800.00	7,094.61	7,911.57	7,266.05	158.43	32.30	-178.52	-2,677.16	-5,683.18	1,557.13	1,475.04	82.09	18.968		
12,900.00	7,095.13	7,911.26	7,266.05	161.19	32.30	-178.62	-2,676.85	-5,683.18	1,457.83	1,375.58	82.25	17.724		
13,000.00	7,095.66	7,910.95	7,266.05	163.96	32.29	-178.72	-2,676.54	-5,683.18	1,358.64	1,276.20	82.44	16.481		
13,100.00	7,096.18	7,910.64	7,266.05	166.73	32.29	-178.82	-2,676.24	-5,683.18	1,259.57	1,176.93	82.65	15.241		
13,200.00	7,096.70	7,910.33	7,266.05	169.50	32.29	-178.92	-2,675.93	-5,683.18	1,160.67	1,077.78	82.89	14.002		
13,256.62	7,097.00	7,910.15	7,266.05	171.07	32.28	-178.98	-2,675.75	-5,683.18	1,104.76	1,021.71	83.05	13.303 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-9.97	1,568.70	-275.86	1,595.54					
100.00	100.00	6.00	6.00	3.28	3.28	-9.97	1,568.70	-275.86	1,592.77	1,586.20	6.57	242.565		
200.00	200.00	106.00	106.00	3.34	3.82	-9.97	1,568.70	-275.86	1,592.77	1,585.62	7.16	222.596		
300.00	300.00	206.00	206.00	3.44	6.36	-9.97	1,568.70	-275.86	1,592.77	1,582.97	9.80	162.489 CC		
400.00	399.98	305.98	305.98	3.60	9.52	-163.47	1,568.70	-275.86	1,594.44	1,581.33	13.12	121.569 ES		
500.00	499.84	405.84	405.84	3.79	12.85	-163.50	1,568.70	-275.86	1,599.46	1,582.83	16.64	96.141		
600.00	599.45	505.45	505.45	4.02	16.23	-163.54	1,568.70	-275.86	1,607.82	1,587.56	20.26	79.371		
700.00	698.70	604.70	604.70	4.29	19.64	-163.59	1,568.70	-275.86	1,619.52	1,595.58	23.93	67.671		
800.00	797.47	703.47	703.47	4.59	23.05	-163.66	1,568.70	-275.86	1,634.54	1,606.90	27.64	59.139		
900.00	895.62	801.62	801.62	4.93	26.44	-163.74	1,568.70	-275.86	1,652.88	1,621.52	31.36	52.705		
1,000.00	993.06	900.94	899.06	5.31	29.89	-163.84	1,568.70	-275.86	1,674.52	1,639.37	35.15	47.635		
1,100.00	1,089.64	1,004.36	995.64	5.72	33.48	-163.94	1,568.70	-275.86	1,699.45	1,660.34	39.11	43.450		
1,200.00	1,185.27	1,108.73	1,091.27	6.16	37.11	-164.04	1,568.70	-275.86	1,727.65	1,684.52	43.13	40.059		
1,300.00	1,279.82	1,185.82	1,185.82	6.64	39.79	-164.15	1,568.70	-275.86	1,759.08	1,712.87	46.21	38.066		
1,400.00	1,373.17	1,279.17	1,279.17	7.16	43.04	-164.27	1,568.70	-275.86	1,793.73	1,743.85	49.88	35.964		
1,500.00	1,465.21	1,371.21	1,371.21	7.71	46.24	-164.38	1,568.70	-275.86	1,831.56	1,778.05	53.51	34.228		
1,600.00	1,555.84	1,461.84	1,461.84	8.31	49.40	-164.48	1,568.70	-275.86	1,872.53	1,815.42	57.11	32.789		
1,613.50	1,567.96	1,473.96	1,473.96	8.39	49.82	-164.50	1,568.70	-275.86	1,878.30	1,820.71	57.60	32.612		
1,700.00	1,645.53	1,551.53	1,551.53	8.93	52.52	-164.80	1,568.70	-275.86	1,915.48	1,854.80	60.68	31.567		
1,800.00	1,735.20	1,641.20	1,641.20	9.58	55.65	-165.14	1,568.70	-275.86	1,958.51	1,894.26	64.25	30.481		
1,900.00	1,824.87	1,730.87	1,730.87	10.25	58.77	-165.46	1,568.70	-275.86	2,001.59	1,933.76	67.84	29.507		
2,000.00	1,914.54	1,820.54	1,820.54	10.92	61.90	-165.77	1,568.70	-275.86	2,044.73	1,973.30	71.43	28.627		
2,100.00	2,004.21	1,910.21	1,910.21	11.61	65.02	-166.07	1,568.70	-275.86	2,087.91	2,012.89	75.02	27.830		
2,200.00	2,093.89	2,000.11	1,999.89	12.30	68.16	-166.35	1,568.70	-275.86	2,131.13	2,052.50	78.63	27.102		
2,300.00	2,183.56	2,089.56	2,089.56	13.01	71.28	-166.63	1,568.70	-275.86	2,174.40	2,092.17	82.23	26.442		
2,400.00	2,273.23	2,179.23	2,179.23	13.71	74.40	-166.89	1,568.70	-275.86	2,217.71	2,131.86	85.85	25.834		
2,500.00	2,362.90	2,268.90	2,268.90	14.43	77.53	-167.14	1,568.70	-275.86	2,261.05	2,171.59	89.46	25.274		
2,600.00	2,452.57	2,358.57	2,358.57	15.14	80.66	-167.39	1,568.70	-275.86	2,304.43	2,211.35	93.08	24.757		
2,700.00	2,542.25	2,448.25	2,448.25	15.87	83.79	-167.62	1,568.70	-275.86	2,347.84	2,251.14	96.70	24.279		
2,800.00	2,631.92	2,537.92	2,537.92	16.59	86.92	-167.85	1,568.70	-275.86	2,391.29	2,290.96	100.33	23.835		
2,900.00	2,721.59	2,627.59	2,627.59	17.32	90.04	-168.07	1,568.70	-275.86	2,434.76	2,330.80	103.95	23.421		
3,000.00	2,811.26	2,717.26	2,717.26	18.05	93.17	-168.28	1,568.70	-275.86	2,478.26	2,370.67	107.58	23.036		
3,100.00	2,900.93	2,806.93	2,806.93	18.78	96.30	-168.48	1,568.70	-275.86	2,521.78	2,410.57	111.21	22.675		
3,200.00	2,990.60	2,903.40	2,896.60	19.51	99.67	-168.68	1,568.70	-275.86	2,565.33	2,450.25	115.08	22.291		
3,300.00	3,080.28	2,986.28	2,986.28	20.25	102.56	-168.87	1,568.70	-275.86	2,608.91	2,490.43	118.48	22.020		
3,400.00	3,169.95	3,075.95	3,075.95	20.99	105.69	-169.05	1,568.70	-275.86	2,652.51	2,530.39	122.11	21.721		
3,500.00	3,259.62	3,165.62	3,165.62	21.73	108.82	-169.23	1,568.70	-275.86	2,696.13	2,570.38	125.75	21.440		
3,600.00	3,349.29	3,255.29	3,255.29	22.47	111.95	-169.40	1,568.70	-275.86	2,739.77	2,610.38	129.39	21.175		
3,700.00	3,438.96	3,344.96	3,344.96	23.21	115.07	-169.57	1,568.70	-275.86	2,783.43	2,650.40	133.03	20.924		
3,800.00	3,528.64	3,434.64	3,434.64	23.95	118.20	-169.73	1,568.70	-275.86	2,827.11	2,690.44	136.67	20.686		
3,900.00	3,618.31	3,524.31	3,524.31	24.69	121.33	-169.89	1,568.70	-275.86	2,870.80	2,730.50	140.31	20.461		
4,000.00	3,707.98	3,613.98	3,613.98	25.44	124.46	-170.04	1,568.70	-275.86	2,914.52	2,770.57	143.95	20.247		
4,100.00	3,797.65	3,703.65	3,703.65	26.18	127.59	-170.19	1,568.70	-275.86	2,958.24	2,810.66	147.59	20.044		
4,200.00	3,887.32	3,806.68	3,793.32	26.93	131.19	-170.33	1,568.70	-275.86	3,001.99	2,850.29	151.70	19.789		
4,300.00	3,976.99	3,882.99	3,882.99	27.68	133.85	-170.47	1,568.70	-275.86	3,045.75	2,890.88	154.87	19.666		
4,400.00	4,066.67	3,972.67	3,972.67	28.42	136.98	-170.61	1,568.70	-275.86	3,089.52	2,931.01	158.52	19.490		
4,500.00	4,156.34	4,062.34	4,062.34	29.17	140.11	-170.74	1,568.70	-275.86	3,133.31	2,971.15	162.16	19.322		
4,600.00	4,246.01	4,152.01	4,152.01	29.92	143.24	-170.87	1,568.70	-275.86	3,177.11	3,011.31	165.81	19.162		
4,700.00	4,335.68	4,241.68	4,241.68	30.67	146.37	-170.99	1,568.70	-275.86	3,220.93	3,051.48	169.45	19.008		
4,800.00	4,425.35	4,331.35	4,331.35	31.42	149.50	-171.11	1,568.70	-275.86	3,264.75	3,091.66	173.10	18.861		
4,900.00	4,515.03	4,421.03	4,421.03	32.17	152.63	-171.23	1,568.70	-275.86	3,308.59	3,131.85	176.74	18.720		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,510.70	4,510.70	32.92	155.76	-171.35	1,568.70	-275.86	3,352.44	3,172.05	180.39	18.585		
5,100.00	4,694.37	4,600.37	4,600.37	33.67	158.89	-171.46	1,568.70	-275.86	3,396.30	3,212.26	184.04	18.455		
5,200.00	4,784.04	4,709.96	4,690.04	34.42	162.71	-171.57	1,568.70	-275.86	3,440.16	3,251.79	188.38	18.262		
5,300.00	4,873.71	4,779.71	4,779.71	35.17	165.15	-171.67	1,568.70	-275.86	3,484.04	3,292.71	191.33	18.210		
5,400.00	4,963.38	4,869.38	4,869.38	35.92	168.28	-171.78	1,568.70	-275.86	3,527.93	3,332.95	194.98	18.094		
5,500.00	5,053.06	4,959.06	4,959.06	36.67	171.41	-171.88	1,568.70	-275.86	3,571.83	3,373.20	198.63	17.983		
5,600.00	5,142.73	5,048.73	5,048.73	37.43	174.54	-171.98	1,568.70	-275.86	3,615.74	3,413.46	202.28	17.875		
5,700.00	5,232.40	5,138.40	5,138.40	38.18	177.67	-172.07	1,568.70	-275.86	3,659.65	3,453.73	205.92	17.772		
5,800.00	5,322.07	5,228.07	5,228.07	38.93	180.80	-172.17	1,568.70	-275.86	3,703.58	3,494.00	209.57	17.672		
5,900.00	5,411.74	5,317.74	5,317.74	39.68	183.93	-172.26	1,568.70	-275.86	3,747.51	3,534.28	213.22	17.575		
6,000.00	5,501.42	5,407.42	5,407.42	40.44	187.06	-172.35	1,568.70	-275.86	3,791.45	3,574.57	216.87	17.482		
6,100.00	5,591.09	5,502.91	5,497.09	41.19	190.39	-172.44	1,568.70	-275.86	3,835.39	3,614.66	220.73	17.376		
6,200.00	5,680.76	5,586.76	5,586.76	41.94	193.32	-172.52	1,568.70	-275.86	3,879.35	3,655.17	224.17	17.305		
6,300.00	5,770.43	5,676.43	5,676.43	42.70	196.45	-172.61	1,568.70	-275.86	3,923.31	3,695.48	227.83	17.221		
6,400.00	5,860.10	5,766.10	5,766.10	43.45	199.58	-172.69	1,568.70	-275.86	3,967.27	3,735.80	231.48	17.139		
6,500.00	5,949.77	5,855.77	5,855.77	44.20	202.71	-172.77	1,568.70	-275.86	4,011.25	3,776.12	235.13	17.060		
6,600.00	6,039.45	5,945.45	5,945.45	44.96	205.84	-172.85	1,568.70	-275.86	4,055.23	3,816.45	238.78	16.983		
6,700.00	6,129.12	6,035.12	6,035.12	45.71	208.97	-172.93	1,568.70	-275.86	4,099.21	3,856.78	242.43	16.909		
6,800.00	6,218.79	6,124.79	6,124.79	46.46	212.10	-173.00	1,568.70	-275.86	4,143.20	3,897.12	246.08	16.836		
6,900.00	6,308.46	6,214.46	6,214.46	47.22	215.23	-173.08	1,568.70	-275.86	4,187.20	3,937.46	249.74	16.766		
6,969.86	6,371.11	6,277.11	6,277.11	47.75	217.41	-173.13	1,568.70	-275.86	4,217.94	3,965.65	252.29	16.719		
7,000.00	6,398.25	6,304.25	6,304.25	47.97	218.36	-179.60	1,568.70	-275.86	4,231.01	3,977.61	253.39	16.697		
7,050.00	6,443.70	6,349.70	6,349.70	48.31	219.95	169.00	1,568.70	-275.86	4,251.75	3,996.52	255.23	16.658		
7,100.00	6,489.42	6,404.58	6,395.42	48.61	221.86	157.20	1,568.70	-275.86	4,271.23	4,013.84	257.39	16.594		
7,150.00	6,535.12	6,441.12	6,441.12	48.87	223.14	145.63	1,568.70	-275.86	4,289.35	4,030.44	258.91	16.567		
7,200.00	6,580.53	6,486.53	6,486.53	49.09	224.72	134.95	1,568.70	-275.86	4,306.00	4,045.28	260.72	16.516		
7,250.00	6,625.36	6,531.36	6,531.36	49.27	226.29	125.55	1,568.70	-275.86	4,321.12	4,058.62	262.50	16.461		
7,300.00	6,669.35	6,575.35	6,575.35	49.42	227.82	117.59	1,568.70	-275.86	4,334.66	4,070.42	264.24	16.404		
7,350.00	6,712.21	6,618.21	6,618.21	49.55	229.32	111.00	1,568.70	-275.86	4,346.57	4,080.63	265.94	16.344		
7,400.00	6,753.69	6,659.69	6,659.69	49.65	230.77	105.63	1,568.70	-275.86	4,356.84	4,089.25	267.58	16.282		
7,450.00	6,793.52	6,700.48	6,699.52	49.73	232.19	101.28	1,568.70	-275.86	4,365.45	4,096.25	269.20	16.216		
7,500.00	6,831.47	6,737.47	6,737.47	49.81	233.48	97.79	1,568.70	-275.86	4,372.41	4,101.72	270.70	16.152		
7,550.00	6,867.30	6,773.30	6,773.30	49.88	234.73	95.02	1,568.70	-275.86	4,377.74	4,105.58	272.16	16.085		
7,600.00	6,900.78	6,806.78	6,806.78	49.95	235.90	92.84	1,568.70	-275.86	4,381.47	4,107.91	273.56	16.017		
7,650.00	6,931.72	6,837.72	6,837.72	50.03	236.98	91.17	1,568.70	-275.86	4,383.62	4,108.73	274.89	15.947		
7,700.00	6,959.92	6,865.92	6,865.92	50.11	237.97	89.92	1,568.70	-275.86	4,384.25	4,108.09	276.16	15.876		
7,750.00	6,985.20	6,908.80	6,891.20	50.20	239.46	89.03	1,568.70	-275.86	4,383.41	4,105.43	277.98	15.769		
7,800.00	7,007.41	6,913.41	6,913.41	50.30	239.62	88.47	1,568.70	-275.86	4,381.16	4,102.65	278.51	15.731		
7,850.00	7,026.42	6,932.42	6,932.42	50.42	240.29	88.18	1,568.70	-275.86	4,377.55	4,097.96	279.59	15.657		
7,900.00	7,042.11	6,948.11	6,948.11	50.57	240.84	88.14	1,568.70	-275.86	4,372.64	4,092.03	280.60	15.583		
7,950.00	7,054.37	6,960.37	6,960.37	50.73	241.26	88.32	1,568.70	-275.86	4,366.50	4,084.95	281.55	15.509		
8,000.00	7,063.14	6,969.14	6,969.14	50.92	241.57	88.71	1,568.70	-275.86	4,359.19	4,076.76	282.43	15.435		
8,050.00	7,068.36	6,974.36	6,974.36	51.13	241.75	89.28	1,568.70	-275.86	4,350.76	4,067.53	283.23	15.361		
8,094.17	7,070.00	6,976.00	6,976.00	51.34	241.81	89.94	1,568.70	-275.86	4,342.44	4,058.57	283.87	15.297		
8,100.00	7,070.03	6,976.03	6,976.03	51.37	241.81	89.94	1,568.70	-275.86	4,341.30	4,057.35	283.95	15.289		
8,200.00	7,070.55	6,976.55	6,976.55	51.94	241.83	89.95	1,568.70	-275.86	4,322.81	4,037.38	285.43	15.145		
8,300.00	7,071.07	6,977.07	6,977.07	52.64	241.85	89.95	1,568.70	-275.86	4,306.56	4,019.49	287.07	15.002		
8,400.00	7,071.60	6,977.60	6,977.60	53.49	241.87	89.96	1,568.70	-275.86	4,292.59	4,003.71	288.87	14.860		
8,500.00	7,072.12	6,978.12	6,978.12	54.50	241.88	89.97	1,568.70	-275.86	4,280.90	3,990.09	290.81	14.720		
8,600.00	7,072.64	6,978.64	6,978.64	55.69	241.90	89.98	1,568.70	-275.86	4,271.52	3,978.66	292.87	14.585		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	6,979.17	6,979.17	57.04	241.92	89.98	1,568.70	-275.86	4,264.47	3,969.45	295.02	14.455		
8,800.00	7,073.69	6,979.69	6,979.69	58.55	241.94	89.99	1,568.70	-275.86	4,259.75	3,962.49	297.26	14.330		
8,900.00	7,074.21	6,980.21	6,980.21	60.21	241.96	90.00	1,568.70	-275.86	4,257.38	3,957.82	299.57	14.212		
8,950.99	7,074.48	6,980.48	6,980.48	61.11	241.97	90.00	1,568.70	-275.86	4,257.08	3,956.30	300.77	14.154		
9,000.00	7,074.74	6,980.74	6,980.74	61.99	241.97	90.00	1,568.70	-275.86	4,257.36	3,955.43	301.93	14.101		
9,100.00	7,075.26	6,981.26	6,981.26	63.88	241.99	90.01	1,568.70	-275.86	4,259.68	3,955.36	304.33	13.997		
9,200.00	7,075.78	6,981.78	6,981.78	65.87	242.01	90.02	1,568.70	-275.86	4,264.35	3,957.60	306.76	13.901		
9,300.00	7,076.30	6,982.30	6,982.30	67.95	242.03	90.02	1,568.70	-275.86	4,271.36	3,962.16	309.20	13.814		
9,400.00	7,076.83	6,982.83	6,982.83	70.09	242.05	90.03	1,568.70	-275.86	4,280.69	3,969.03	311.66	13.735		
9,500.00	7,077.35	6,983.35	6,983.35	72.30	242.07	90.04	1,568.70	-275.86	4,292.33	3,978.23	314.11	13.665		
9,600.00	7,077.87	6,983.87	6,983.87	74.57	242.08	90.05	1,568.70	-275.86	4,306.26	3,989.72	316.54	13.604		
9,700.00	7,078.40	6,984.40	6,984.40	76.88	242.10	90.05	1,568.70	-275.86	4,322.47	4,003.50	318.96	13.552		
9,800.00	7,078.92	6,984.92	6,984.92	79.24	242.12	90.06	1,568.70	-275.86	4,340.91	4,019.55	321.36	13.508		
9,900.00	7,079.44	6,985.44	6,985.44	81.63	242.14	90.07	1,568.70	-275.86	4,361.57	4,037.85	323.72	13.473		
10,000.00	7,079.97	6,985.97	6,985.97	84.06	242.16	90.07	1,568.70	-275.86	4,384.42	4,058.37	326.05	13.447		
10,100.00	7,080.49	6,986.49	6,986.49	86.52	242.18	90.08	1,568.70	-275.86	4,409.41	4,081.08	328.33	13.430		
10,200.00	7,081.01	6,987.01	6,987.01	89.01	242.19	90.09	1,568.70	-275.86	4,436.52	4,105.95	330.57	13.421		
10,300.00	7,081.54	6,987.54	6,987.54	91.52	242.21	90.09	1,568.70	-275.86	4,465.70	4,132.94	332.76	13.420 SF		
10,400.00	7,082.06	6,988.06	6,988.06	94.05	242.23	90.10	1,568.70	-275.86	4,496.92	4,162.02	334.89	13.428		
10,500.00	7,082.58	6,988.58	6,988.58	96.61	242.25	90.11	1,568.70	-275.86	4,530.13	4,193.15	336.98	13.443		
10,600.00	7,083.10	6,989.10	6,989.10	99.18	242.27	90.12	1,568.70	-275.86	4,565.29	4,226.29	339.00	13.467		
10,700.00	7,083.63	6,989.63	6,989.63	101.77	242.29	90.12	1,568.70	-275.86	4,602.35	4,261.38	340.97	13.498		
10,800.00	7,084.15	7,009.85	6,990.15	104.38	242.99	90.13	1,568.70	-275.86	4,641.28	4,297.71	343.57	13.509		
10,900.00	7,084.67	7,009.33	6,990.67	107.00	242.97	90.14	1,568.70	-275.86	4,682.01	4,336.63	345.38	13.556		
11,000.00	7,085.20	7,008.80	6,991.20	109.63	242.95	90.14	1,568.70	-275.86	4,724.51	4,377.38	347.13	13.610		
11,100.00	7,085.72	7,008.28	6,991.72	112.27	242.94	90.15	1,568.70	-275.86	4,768.73	4,419.91	348.83	13.671		
11,200.00	7,086.24	7,007.76	6,992.24	114.93	242.92	90.16	1,568.70	-275.86	4,814.62	4,464.17	350.46	13.738		
11,300.00	7,086.77	7,007.23	6,992.77	117.59	242.90	90.17	1,568.70	-275.86	4,862.14	4,510.11	352.03	13.812		
11,400.00	7,087.29	7,006.71	6,993.29	120.27	242.88	90.17	1,568.70	-275.86	4,911.23	4,557.68	353.55	13.891		
11,500.00	7,087.81	7,006.19	6,993.81	122.95	242.86	90.18	1,568.70	-275.86	4,961.85	4,606.85	355.00	13.977		
11,600.00	7,088.33	7,005.67	6,994.33	125.64	242.84	90.19	1,568.70	-275.86	5,013.96	4,657.55	356.40	14.068		
11,700.00	7,088.86	7,005.14	6,994.86	128.34	242.83	90.19	1,568.70	-275.86	5,067.50	4,709.75	357.75	14.165		
11,800.00	7,089.38	7,004.62	6,995.38	131.05	242.81	90.20	1,568.70	-275.86	5,122.44	4,763.40	359.04	14.267		
11,900.00	7,089.90	7,004.10	6,995.90	133.76	242.79	90.21	1,568.70	-275.86	5,178.72	4,818.45	360.27	14.374		
12,000.00	7,090.43	7,003.57	6,996.43	136.49	242.77	90.21	1,568.70	-275.86	5,236.31	4,874.85	361.46	14.487		
12,100.00	7,090.95	7,003.05	6,996.95	139.21	242.75	90.22	1,568.70	-275.86	5,295.16	4,932.57	362.59	14.604		
12,200.00	7,091.47	7,002.53	6,997.47	141.94	242.74	90.23	1,568.70	-275.86	5,355.23	4,991.55	363.68	14.725		
12,300.00	7,092.00	7,002.00	6,998.00	144.68	242.72	90.24	1,568.70	-275.86	5,416.48	5,051.76	364.72	14.851		
12,400.00	7,092.52	7,001.48	6,998.52	147.42	242.70	90.24	1,568.70	-275.86	5,478.87	5,113.16	365.71	14.981		
12,500.00	7,093.04	7,000.96	6,999.04	150.17	242.68	90.25	1,568.70	-275.86	5,542.37	5,175.71	366.66	15.116		
12,600.00	7,093.57	7,000.43	6,999.57	152.92	242.66	90.26	1,568.70	-275.86	5,606.93	5,239.36	367.57	15.254		
12,700.00	7,094.09	7,000.09	7,000.09	155.67	242.65	90.26	1,568.70	-275.86	5,672.51	5,304.07	368.44	15.396		
12,800.00	7,094.61	7,000.61	7,000.61	158.43	242.67	90.27	1,568.70	-275.86	5,739.09	5,369.79	369.31	15.540		
12,900.00	7,095.13	7,001.13	7,001.13	161.19	242.69	90.28	1,568.70	-275.86	5,806.63	5,436.50	370.13	15.688		
13,000.00	7,095.66	7,001.66	7,001.66	163.96	242.71	90.29	1,568.70	-275.86	5,875.09	5,504.17	370.92	15.839		
13,100.00	7,096.18	7,002.18	7,002.18	166.73	242.72	90.29	1,568.70	-275.86	5,944.45	5,572.77	371.68	15.993		
13,200.00	7,096.70	7,002.70	7,002.70	169.50	242.74	90.30	1,568.70	-275.86	6,014.67	5,642.27	372.40	16.151		
13,256.62	7,097.00	7,003.00	7,003.00	171.07	242.75	90.30	1,568.70	-275.86	6,054.80	5,682.00	372.80	16.241		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-125.43	-2,175.08	-3,057.14	3,751.97					
100.00	100.00	77.85	77.85	3.28	3.28	-125.43	-2,175.21	-3,057.15	3,752.04	3,745.47	6.57	571.176		
200.00	200.00	218.32	218.31	3.34	3.36	-125.44	-2,175.42	-3,056.46	3,751.72	3,745.02	6.70	560.278		
300.00	300.00	302.66	302.65	3.44	3.45	-125.44	-2,175.00	-3,056.07	3,751.07	3,744.17	6.90	543.741		
400.00	399.98	381.84	381.83	3.60	3.57	81.11	-2,174.66	-3,056.16	3,750.63	3,743.46	7.17	523.135		
500.00	499.84	519.23	519.23	3.79	3.85	81.24	-2,174.16	-3,055.77	3,749.37	3,741.74	7.63	491.344		
600.00	599.45	588.54	588.53	4.02	4.01	81.37	-2,173.86	-3,055.57	3,747.56	3,739.53	8.02	467.020		
700.00	698.70	721.94	721.92	4.29	4.36	81.67	-2,173.09	-3,055.11	3,745.10	3,736.45	8.65	433.047		
800.00	797.47	800.00	799.98	4.59	4.59	81.92	-2,172.49	-3,054.95	3,742.20	3,733.02	9.18	407.606		
900.00	895.62	912.77	912.75	4.93	4.94	82.31	-2,172.08	-3,054.51	3,739.01	3,729.14	9.87	378.799		
1,000.00	993.06	1,000.98	1,000.96	5.31	5.22	82.68	-2,172.00	-3,053.87	3,735.32	3,724.78	10.53	354.668		
1,100.00	1,089.64	1,091.63	1,091.61	5.72	5.53	83.11	-2,171.96	-3,053.34	3,731.48	3,720.24	11.25	331.811		
1,200.00	1,185.27	1,181.36	1,181.34	6.16	5.84	83.59	-2,171.95	-3,052.97	3,727.58	3,715.58	12.00	310.622		
1,300.00	1,279.82	1,270.07	1,270.04	6.64	6.16	84.10	-2,171.99	-3,052.74	3,723.69	3,710.89	12.79	291.031		
1,400.00	1,373.17	1,357.64	1,357.61	7.16	6.48	84.66	-2,172.06	-3,052.66	3,719.90	3,706.27	13.63	272.940		
1,500.00	1,465.21	1,443.96	1,443.94	7.71	6.80	85.25	-2,172.16	-3,052.72	3,716.30	3,701.79	14.50	256.237		
1,600.00	1,555.84	1,535.11	1,535.09	8.31	7.15	85.91	-2,172.24	-3,052.92	3,712.96	3,697.52	15.44	240.446		
1,613.50	1,567.96	1,548.87	1,548.84	8.39	7.20	86.01	-2,172.21	-3,052.97	3,712.52	3,696.94	15.58	238.332		
1,700.00	1,645.53	1,641.30	1,641.28	8.93	7.55	86.65	-2,171.58	-3,053.31	3,709.76	3,693.28	16.48	225.156		
1,800.00	1,735.20	1,744.02	1,743.98	9.58	7.95	87.36	-2,170.76	-3,053.18	3,706.62	3,689.10	17.52	211.522		
1,900.00	1,824.87	1,833.56	1,833.53	10.25	8.30	87.98	-2,170.25	-3,052.82	3,703.93	3,685.39	18.54	199.792		
2,000.00	1,914.54	1,921.73	1,921.69	10.92	8.65	88.59	-2,169.65	-3,052.56	3,701.79	3,682.23	19.56	189.212		
2,100.00	2,004.21	2,009.97	2,009.93	11.61	9.00	89.20	-2,168.97	-3,052.36	3,700.22	3,679.62	20.60	179.599		
2,200.00	2,093.89	2,094.44	2,094.40	12.30	9.34	89.78	-2,168.57	-3,052.13	3,699.27	3,677.63	21.64	170.974		
2,297.58	2,181.39	2,177.74	2,177.70	12.99	9.67	90.36	-2,168.03	-3,052.08	3,698.96	3,676.30	22.66	163.259		
2,300.00	2,183.56	2,179.79	2,179.75	13.01	9.68	90.38	-2,168.01	-3,052.09	3,698.96	3,676.28	22.68	163.077		
2,400.00	2,273.23	2,290.42	2,290.36	13.71	10.13	91.16	-2,166.24	-3,052.34	3,699.07	3,675.23	23.84	155.173		
2,500.00	2,362.90	2,417.69	2,417.60	14.43	10.64	92.06	-2,163.30	-3,051.83	3,698.96	3,673.89	25.07	147.551		
2,548.29	2,406.20	2,459.77	2,459.67	14.77	10.82	92.36	-2,162.33	-3,051.46	3,698.92	3,673.33	25.59	144.561		
2,600.00	2,452.57	2,509.74	2,509.62	15.14	11.02	92.71	-2,161.30	-3,050.90	3,698.97	3,672.81	26.16	141.384		
2,700.00	2,542.25	2,575.73	2,575.59	15.87	11.29	93.18	-2,159.83	-3,050.42	3,699.76	3,672.61	27.15	136.250		
2,800.00	2,631.92	2,655.06	2,654.89	16.59	11.62	93.75	-2,157.90	-3,050.31	3,701.52	3,673.32	28.20	131.248		
2,900.00	2,721.59	2,747.70	2,747.52	17.32	12.00	94.41	-2,155.93	-3,050.13	3,703.92	3,674.61	29.31	126.379		
3,000.00	2,811.26	2,834.64	2,834.44	18.05	12.36	95.02	-2,154.13	-3,049.78	3,706.72	3,676.33	30.39	121.965		
3,100.00	2,900.93	2,910.05	2,909.84	18.78	12.67	95.55	-2,152.77	-3,049.68	3,710.40	3,678.97	31.43	118.061		
3,200.00	2,990.60	3,016.78	3,016.56	19.51	13.11	96.29	-2,151.78	-3,049.08	3,714.55	3,681.95	32.60	113.954		
3,300.00	3,080.28	3,071.76	3,071.54	20.25	13.34	96.66	-2,151.68	-3,048.87	3,719.53	3,685.98	33.55	110.881		
3,400.00	3,169.95	3,144.18	3,143.96	20.99	13.64	97.15	-2,151.73	-3,048.98	3,725.61	3,691.04	34.57	107.784		
3,500.00	3,259.62	3,220.29	3,220.06	21.73	13.95	97.67	-2,151.53	-3,049.41	3,732.48	3,696.88	35.60	104.844		
3,600.00	3,349.29	3,286.57	3,286.34	22.47	14.23	98.11	-2,151.91	-3,049.98	3,740.35	3,703.76	36.59	102.225		
3,700.00	3,438.96	3,397.92	3,397.68	23.21	14.69	98.85	-2,153.20	-3,050.89	3,748.85	3,711.07	37.78	99.225		
3,800.00	3,528.64	3,460.61	3,460.37	23.95	14.95	99.26	-2,153.76	-3,051.42	3,757.78	3,719.03	38.75	96.974		
3,900.00	3,618.31	3,560.31	3,560.05	24.69	15.36	99.92	-2,154.96	-3,052.75	3,767.72	3,727.83	39.89	94.457		
4,000.00	3,707.98	3,682.37	3,682.10	25.44	15.87	100.72	-2,156.13	-3,053.24	3,777.22	3,736.09	41.13	91.841		
4,100.00	3,797.65	3,765.02	3,764.75	26.18	16.22	101.26	-2,156.06	-3,053.56	3,786.99	3,744.80	42.18	89.772		
4,200.00	3,887.32	3,854.91	3,854.63	26.93	16.60	101.85	-2,156.36	-3,054.01	3,797.44	3,754.17	43.27	87.756		
4,300.00	3,976.99	3,954.48	3,954.21	27.68	17.01	102.50	-2,156.69	-3,054.30	3,808.20	3,763.79	44.40	85.761		
4,400.00	4,066.67	4,054.13	4,053.85	28.42	17.43	103.15	-2,156.98	-3,054.34	3,819.20	3,773.66	45.53	83.874		
4,500.00	4,156.34	4,153.85	4,153.57	29.17	17.85	103.79	-2,157.22	-3,054.13	3,830.44	3,783.78	46.66	82.087		
4,600.00	4,246.01	4,253.63	4,253.36	29.92	18.27	104.43	-2,157.41	-3,053.66	3,841.93	3,794.14	47.79	80.391		
4,700.00	4,335.68	4,353.49	4,353.21	30.67	18.69	105.07	-2,157.56	-3,052.93	3,853.64	3,804.73	48.92	78.782		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,800.00	4,425.35	4,453.41	4,453.13	31.42	19.11	105.70	-2,157.67	-3,051.95	3,865.59	3,815.55	50.04	77.253		
4,900.00	4,515.03	4,500.12	4,499.84	32.17	19.30	106.00	-2,157.62	-3,052.05	3,878.70	3,827.80	50.90	76.195		
5,000.00	4,604.70	5,000.00	4,604.11	32.92	21.41	106.66	-2,157.45	-3,051.71	3,892.08	3,838.37	53.71	72.463		
5,100.00	4,694.37	4,662.84	4,662.56	33.67	19.99	107.03	-2,157.40	-3,051.65	3,906.20	3,853.25	52.95	73.765		
5,200.00	4,784.04	4,734.96	4,734.67	34.42	20.29	107.48	-2,157.45	-3,052.30	3,921.60	3,867.67	53.93	72.720		
5,300.00	4,873.71	4,832.42	4,832.13	35.17	20.70	108.10	-2,157.00	-3,052.98	3,937.23	3,882.20	55.02	71.556		
5,400.00	4,963.38	4,900.73	4,900.43	35.92	20.99	108.53	-2,156.29	-3,053.72	3,953.61	3,897.64	55.97	70.643		
5,500.00	5,053.06	5,029.27	5,028.97	36.67	21.54	109.33	-2,155.28	-3,054.42	3,969.87	3,912.66	57.22	69.385		
5,600.00	5,142.73	5,090.43	5,090.12	37.43	21.79	109.71	-2,155.09	-3,054.81	3,986.81	3,928.69	58.12	68.602		
5,700.00	5,232.40	5,215.28	5,214.97	38.18	22.32	110.47	-2,154.87	-3,055.42	4,004.03	3,944.69	59.34	67.475		
5,800.00	5,322.07	5,276.44	5,276.13	38.93	22.58	110.84	-2,154.67	-3,055.70	4,021.66	3,961.42	60.23	66.768		
5,900.00	5,411.74	5,403.47	5,403.16	39.68	23.12	111.61	-2,153.78	-3,056.45	4,039.88	3,978.42	61.47	65.726		
6,000.00	5,501.42	5,465.42	5,465.10	40.44	23.38	111.98	-2,153.12	-3,056.63	4,058.16	3,995.80	62.35	65.084		
6,100.00	5,591.09	5,540.88	5,540.55	41.19	23.70	112.44	-2,152.09	-3,057.28	4,077.35	4,014.04	63.31	64.408		
6,200.00	5,680.76	5,627.75	5,627.40	41.94	24.07	112.96	-2,150.78	-3,058.10	4,097.04	4,032.73	64.31	63.703		
6,300.00	5,770.43	5,712.81	5,712.46	42.70	24.43	113.47	-2,149.97	-3,059.00	4,117.25	4,051.94	65.31	63.041		
6,400.00	5,860.10	5,820.09	5,819.72	43.45	24.89	114.10	-2,148.63	-3,059.97	4,137.75	4,071.32	66.42	62.292		
6,500.00	5,949.77	5,932.88	5,932.51	44.20	25.36	114.76	-2,147.45	-3,060.16	4,157.92	4,090.36	67.57	61.539		
6,600.00	6,039.45	6,006.03	6,005.65	44.96	25.67	115.18	-2,146.59	-3,060.37	4,178.64	4,110.16	68.49	61.013		
6,700.00	6,129.12	6,131.88	6,131.50	45.71	26.21	115.89	-2,145.99	-3,060.34	4,199.43	4,129.74	69.70	60.254		
6,800.00	6,218.79	6,219.89	6,219.51	46.46	26.58	116.38	-2,145.54	-3,059.88	4,220.17	4,149.48	70.69	59.697		
6,900.00	6,308.46	6,276.52	6,276.13	47.22	26.82	116.70	-2,145.21	-3,059.89	4,241.75	4,170.24	71.51	59.315		
6,969.86	6,371.11	6,340.91	6,340.53	47.75	27.10	117.06	-2,144.88	-3,060.25	4,257.38	4,185.16	72.22	58.950		
7,000.00	6,398.25	6,384.62	6,384.23	47.97	27.28	117.05	-2,144.56	-3,060.32	4,263.38	4,190.77	72.61	58.716		
7,050.00	6,443.70	6,428.96	6,428.57	48.31	27.47	102.77	-2,144.20	-3,060.27	4,270.18	4,197.10	73.08	58.429		
7,100.00	6,489.42	6,465.96	6,465.57	48.61	27.63	92.84	-2,144.05	-3,060.30	4,273.26	4,199.77	73.49	58.150		
7,150.00	6,535.12	6,505.13	6,504.74	48.87	27.79	82.97	-2,144.04	-3,060.44	4,272.61	4,198.74	73.87	57.838		
7,200.00	6,580.53	6,566.46	6,566.07	49.09	28.05	73.93	-2,144.03	-3,060.55	4,268.08	4,193.74	74.35	57.408		
7,250.00	6,625.36	6,617.11	6,616.72	49.27	28.27	65.95	-2,143.89	-3,060.49	4,259.63	4,184.91	74.72	57.006		
7,300.00	6,669.35	6,752.11	6,647.50	49.42	28.84	59.15	-2,143.74	-3,060.40	4,247.43	4,172.04	75.39	56.341		
7,350.00	6,712.21	6,709.06	6,690.55	49.55	28.66	53.64	-2,144.08	-3,060.51	4,231.72	4,156.43	75.28	56.211		
7,400.00	6,753.69	6,732.61	6,732.22	49.65	28.76	49.23	-2,144.40	-3,060.62	4,212.43	4,137.01	75.42	55.849		
7,450.00	6,793.52	6,772.65	6,772.25	49.73	28.93	45.75	-2,144.71	-3,060.72	4,189.70	4,114.09	75.61	55.414		
7,500.00	6,831.47	6,810.79	6,810.40	49.81	29.09	43.06	-2,145.01	-3,060.82	4,163.64	4,087.88	75.76	54.962		
7,550.00	6,867.30	6,846.82	6,846.42	49.88	29.24	41.04	-2,145.29	-3,060.91	4,134.42	4,058.55	75.87	54.492		
7,600.00	6,900.78	6,880.50	6,880.11	49.95	29.38	39.61	-2,145.56	-3,060.99	4,102.21	4,026.25	75.96	54.005		
7,650.00	6,931.72	6,911.64	6,911.24	50.03	29.52	38.72	-2,145.80	-3,061.07	4,067.20	3,991.17	76.02	53.499		
7,700.00	6,959.92	6,940.03	6,939.63	50.11	29.64	38.36	-2,146.02	-3,061.14	4,029.59	3,953.53	76.07	52.975		
7,750.00	6,985.20	6,965.50	6,965.10	50.20	29.74	38.54	-2,146.22	-3,061.21	3,989.62	3,913.53	76.09	52.434		
7,800.00	7,007.41	6,987.90	6,987.50	50.30	29.84	39.36	-2,146.39	-3,061.27	3,947.51	3,871.41	76.10	51.875		
7,850.00	7,026.42	7,007.09	7,006.69	50.42	29.92	40.96	-2,146.54	-3,061.32	3,903.51	3,827.42	76.09	51.300		
7,900.00	7,042.11	7,022.95	7,022.54	50.57	29.99	43.65	-2,146.67	-3,061.36	3,857.89	3,781.82	76.08	50.710		
7,950.00	7,054.37	7,035.37	7,034.97	50.73	30.04	48.03	-2,146.76	-3,061.39	3,810.92	3,734.86	76.05	50.108		
8,000.00	7,063.14	7,044.30	7,043.89	50.92	30.08	55.30	-2,146.83	-3,061.41	3,762.87	3,686.84	76.03	49.494		
8,050.00	7,068.36	7,049.66	7,049.26	51.13	30.10	68.03	-2,146.87	-3,061.42	3,714.02	3,638.03	76.00	48.871		
8,094.17	7,070.00	7,051.41	7,051.00	51.34	30.11	87.42	-2,146.89	-3,061.43	3,670.45	3,594.48	75.97	48.316		
8,100.00	7,070.03	7,051.45	7,051.05	51.37	30.11	87.43	-2,146.89	-3,061.43	3,664.68	3,588.72	75.96	48.242		
8,200.00	7,070.55	7,052.23	7,051.82	51.94	30.11	87.51	-2,146.89	-3,061.43	3,565.78	3,489.88	75.90	46.981		
8,300.00	7,071.07	7,053.00	7,052.60	52.64	30.11	87.60	-2,146.90	-3,061.43	3,466.94	3,391.11	75.83	45.717		
8,400.00	7,071.60	7,053.78	7,053.38	53.49	30.12	87.68	-2,146.91	-3,061.43	3,368.17	3,292.39	75.77	44.450		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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			
8,500.00	7,072.12	7,054.55	7,054.15	54.50	30.12	87.76	-2,146.91	-3,061.44	3,269.47	3,193.75	75.72	43.180			
8,600.00	7,072.64	7,055.33	7,054.93	55.69	30.12	87.85	-2,146.92	-3,061.44	3,170.85	3,095.19	75.67	41.906			
8,700.00	7,073.17	7,056.10	7,055.70	57.04	30.13	87.93	-2,146.92	-3,061.44	3,072.32	2,996.70	75.62	40.627			
8,800.00	7,073.69	7,056.88	7,056.48	58.55	30.13	88.01	-2,146.93	-3,061.44	2,973.90	2,898.31	75.59	39.344			
8,900.00	7,074.21	7,057.65	7,057.25	60.21	30.13	88.09	-2,146.94	-3,061.44	2,875.57	2,800.01	75.56	38.056			
9,000.00	7,074.74	7,058.43	7,058.03	61.99	30.14	88.18	-2,146.94	-3,061.45	2,777.37	2,701.82	75.55	36.762			
9,100.00	7,075.26	7,059.20	7,058.80	63.88	30.14	88.26	-2,146.95	-3,061.45	2,679.30	2,603.75	75.55	35.462			
9,200.00	7,075.78	7,059.98	7,059.58	65.87	30.14	88.34	-2,146.95	-3,061.45	2,581.38	2,505.81	75.58	34.156			
9,300.00	7,076.30	7,060.75	7,060.35	67.95	30.15	88.43	-2,146.96	-3,061.45	2,483.63	2,408.00	75.62	32.842			
9,400.00	7,076.83	7,061.53	7,061.13	70.09	30.15	88.51	-2,146.97	-3,061.45	2,386.06	2,310.36	75.70	31.519			
9,500.00	7,077.35	7,062.31	7,061.90	72.30	30.15	88.59	-2,146.97	-3,061.46	2,288.70	2,212.89	75.81	30.188			
9,600.00	7,077.87	7,063.08	7,062.68	74.57	30.16	88.68	-2,146.98	-3,061.46	2,191.58	2,115.60	75.97	28.847			
9,700.00	7,078.40	7,063.86	7,063.45	76.88	30.16	88.76	-2,146.98	-3,061.46	2,094.73	2,018.54	76.19	27.494			
9,800.00	7,078.92	7,064.63	7,064.23	79.24	30.16	88.84	-2,146.99	-3,061.46	1,998.18	1,921.71	76.47	26.130			
9,900.00	7,079.44	7,065.41	7,065.00	81.63	30.17	88.93	-2,147.00	-3,061.46	1,902.00	1,825.16	76.84	24.752			
10,000.00	7,079.97	7,066.18	7,065.78	84.06	30.17	89.01	-2,147.00	-3,061.47	1,806.23	1,728.91	77.32	23.361			
10,100.00	7,080.49	7,066.96	7,066.55	86.52	30.17	89.09	-2,147.01	-3,061.47	1,710.94	1,633.01	77.93	21.955			
10,200.00	7,081.01	7,067.73	7,067.33	89.01	30.18	89.18	-2,147.02	-3,061.47	1,616.22	1,537.51	78.71	20.534			
10,300.00	7,081.54	7,068.51	7,068.10	91.52	30.18	89.26	-2,147.02	-3,061.47	1,522.18	1,442.48	79.70	19.098			
10,400.00	7,082.06	7,069.28	7,068.88	94.05	30.18	89.34	-2,147.03	-3,061.47	1,428.95	1,347.99	80.96	17.650			
10,500.00	7,082.58	7,070.06	7,069.65	96.61	30.19	89.43	-2,147.03	-3,061.48	1,336.69	1,254.14	82.55	16.193			
10,600.00	7,083.10	7,070.83	7,070.43	99.18	30.19	89.51	-2,147.04	-3,061.48	1,245.63	1,161.08	84.56	14.731			
10,700.00	7,083.63	7,071.61	7,071.20	101.77	30.19	89.59	-2,147.05	-3,061.48	1,156.05	1,068.96	87.09	13.275			
10,800.00	7,084.15	7,072.38	7,071.98	104.38	30.20	89.68	-2,147.05	-3,061.48	1,068.32	978.05	90.27	11.835			
10,900.00	7,084.67	7,073.16	7,072.75	107.00	30.20	89.76	-2,147.06	-3,061.48	982.93	888.68	94.25	10.429			
11,000.00	7,085.20	7,073.93	7,073.53	109.63	30.20	89.84	-2,147.06	-3,061.49	900.56	801.34	99.21	9.077			
11,100.00	7,085.72	7,074.71	7,074.30	112.27	30.21	89.93	-2,147.07	-3,061.49	822.10	716.78	105.32	7.805			
11,200.00	7,086.24	7,075.48	7,075.08	114.93	30.21	90.01	-2,147.08	-3,061.49	748.80	636.07	112.73	6.643			
11,300.00	7,086.77	7,076.26	7,075.85	117.59	30.21	90.09	-2,147.08	-3,061.49	682.31	560.86	121.45	5.618			
11,400.00	7,087.29	7,077.03	7,076.63	120.27	30.22	90.18	-2,147.09	-3,061.49	624.81	493.55	131.26	4.760			
11,500.00	7,087.81	7,077.81	7,077.40	122.95	30.22	90.26	-2,147.09	-3,061.49	578.99	437.51	141.48	4.092			
11,600.00	7,088.33	7,078.58	7,078.18	125.64	30.22	90.34	-2,147.10	-3,061.50	547.79	396.93	150.86	3.631			
11,700.00	7,088.86	7,079.36	7,078.95	128.34	30.23	90.43	-2,147.11	-3,061.50	533.77	375.96	157.82	3.382			
11,725.80	7,088.99	7,079.56	7,079.15	129.04	30.23	90.45	-2,147.11	-3,061.50	533.15	374.10	159.04	3.352 CC, ES			
11,800.00	7,089.38	7,080.13	7,079.73	131.05	30.23	90.51	-2,147.11	-3,061.50	538.28	377.18	161.10	3.341 SF			
11,900.00	7,089.90	7,080.91	7,080.50	133.76	30.23	90.59	-2,147.12	-3,061.50	560.88	400.35	160.53	3.494			
12,000.00	7,090.43	7,081.68	7,081.28	136.49	30.24	90.68	-2,147.12	-3,061.50	599.52	442.54	156.98	3.819			
12,100.00	7,090.95	7,082.46	7,082.06	139.21	30.24	90.76	-2,147.13	-3,061.51	651.35	499.64	151.71	4.293			
12,200.00	7,091.47	7,083.23	7,082.83	141.94	30.24	90.84	-2,147.14	-3,061.51	713.51	567.68	145.83	4.893			
12,300.00	7,092.00	7,084.01	7,083.61	144.68	30.25	90.93	-2,147.14	-3,061.51	783.54	643.53	140.01	5.596			
12,400.00	7,092.52	7,084.79	7,084.38	147.42	30.25	91.01	-2,147.15	-3,061.51	859.51	724.89	134.62	6.385			
12,500.00	7,093.04	7,085.56	7,085.16	150.17	30.25	91.09	-2,147.15	-3,061.51	939.99	810.22	129.78	7.243			
12,600.00	7,093.57	7,086.34	7,085.93	152.92	30.26	91.18	-2,147.16	-3,061.52	1,023.92	898.42	125.51	8.158			
12,700.00	7,094.09	7,087.11	7,086.71	155.67	30.26	91.26	-2,147.17	-3,061.52	1,110.52	988.74	121.77	9.120			
12,800.00	7,094.61	7,087.89	7,087.48	158.43	30.26	91.34	-2,147.17	-3,061.52	1,199.20	1,080.69	118.51	10.119			
12,900.00	7,095.13	7,088.66	7,088.26	161.19	30.27	91.43	-2,147.18	-3,061.52	1,289.54	1,173.88	115.66	11.149			
13,000.00	7,095.66	7,089.44	7,089.03	163.96	30.27	91.51	-2,147.18	-3,061.52	1,381.20	1,268.04	113.16	12.205			
13,100.00	7,096.18	7,090.21	7,089.81	166.73	30.27	91.59	-2,147.19	-3,061.53	1,473.96	1,362.99	110.97	13.282			
13,200.00	7,096.70	7,090.99	7,090.58	169.50	30.28	91.68	-2,147.20	-3,061.53	1,567.60	1,458.56	109.04	14.377			
13,256.62	7,097.00	7,091.43	7,091.02	171.07	30.28	91.72	-2,147.20	-3,061.53	1,620.96	1,512.91	108.04	15.003			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5.46	5.46	3.28	3.28	-117.39	-878.65	-1,695.63	1,909.76					
100.00	100.00	114.73	114.73	3.28	3.29	-117.39	-878.35	-1,695.46	1,909.50	1,902.92	6.57	290.456		
200.00	200.00	214.05	214.04	3.34	3.35	-117.39	-878.26	-1,694.98	1,909.02	1,902.33	6.69	285.282		
300.00	300.00	310.89	310.89	3.44	3.47	-117.40	-878.41	-1,694.47	1,908.63	1,901.72	6.91	276.198		
400.00	399.98	406.77	406.76	3.60	3.62	89.15	-878.67	-1,694.13	1,908.41	1,901.20	7.21	264.532		
500.00	499.84	509.03	509.02	3.79	3.82	89.31	-878.83	-1,693.86	1,908.18	1,900.58	7.61	250.779		
600.00	599.45	605.96	605.96	4.02	4.05	89.56	-878.83	-1,693.72	1,907.96	1,899.89	8.07	236.423		
621.02	620.35	623.95	623.94	4.08	4.10	89.62	-878.82	-1,693.73	1,907.95	1,899.78	8.17	233.530		
700.00	698.70	693.43	693.43	4.29	4.28	89.89	-878.79	-1,693.98	1,908.15	1,899.58	8.57	222.639		
800.00	797.47	789.40	789.39	4.59	4.56	90.33	-878.95	-1,694.58	1,908.82	1,899.66	9.15	208.608		
900.00	895.62	893.56	893.55	4.93	4.87	90.91	-879.12	-1,695.13	1,909.58	1,899.77	9.81	194.668		
1,000.00	993.06	991.84	991.83	5.31	5.19	91.57	-878.94	-1,695.58	1,910.43	1,899.93	10.50	181.912		
1,100.00	1,089.64	1,094.30	1,094.29	5.72	5.54	92.34	-878.88	-1,695.81	1,911.54	1,900.28	11.26	169.820		
1,200.00	1,185.27	1,184.28	1,184.26	6.16	5.85	93.09	-879.16	-1,695.84	1,913.15	1,901.14	12.01	159.254		
1,300.00	1,279.82	1,267.29	1,267.28	6.64	6.15	93.84	-879.67	-1,696.15	1,915.86	1,903.07	12.79	149.815		
1,400.00	1,373.17	1,358.27	1,358.26	7.16	6.48	94.73	-879.94	-1,697.11	1,919.87	1,906.24	13.63	140.806		
1,500.00	1,465.21	1,461.40	1,461.37	7.71	6.87	95.82	-880.73	-1,697.70	1,924.65	1,910.08	14.57	132.076		
1,600.00	1,555.84	1,565.37	1,565.34	8.31	7.26	97.00	-881.36	-1,697.59	1,929.96	1,914.40	15.56	124.041		
1,613.50	1,567.96	1,579.13	1,579.10	8.39	7.31	97.16	-881.44	-1,697.52	1,930.73	1,915.04	15.69	123.024		
1,700.00	1,645.53	1,663.34	1,663.31	8.93	7.64	98.24	-881.79	-1,696.95	1,935.95	1,919.39	16.56	116.918		
1,800.00	1,735.20	1,742.43	1,742.40	9.58	7.94	99.26	-881.90	-1,696.44	1,942.86	1,925.35	17.50	110.998		
1,900.00	1,824.87	1,815.08	1,815.05	10.25	8.23	100.20	-881.94	-1,696.76	1,951.61	1,933.17	18.44	105.864		
2,000.00	1,914.54	1,910.59	1,910.55	10.92	8.60	101.41	-882.34	-1,697.26	1,961.50	1,942.03	19.47	100.738		
2,100.00	2,004.21	2,001.80	2,001.77	11.61	8.97	102.56	-882.83	-1,697.56	1,972.17	1,951.67	20.50	96.211		
2,200.00	2,093.89	2,101.63	2,101.59	12.30	9.36	103.80	-883.34	-1,697.57	1,983.49	1,961.92	21.57	91.963		
2,300.00	2,183.56	2,184.03	2,184.00	13.01	9.70	104.82	-883.59	-1,697.57	1,995.65	1,973.08	22.57	88.433		
2,400.00	2,273.23	2,269.52	2,269.48	13.71	10.04	105.87	-883.66	-1,697.86	2,008.98	1,985.40	23.58	85.199		
2,500.00	2,362.90	2,362.43	2,362.39	14.43	10.42	106.99	-884.05	-1,698.19	2,023.25	1,998.62	24.63	82.154		
2,600.00	2,452.57	2,455.58	2,455.54	15.14	10.80	108.10	-884.52	-1,698.28	2,038.14	2,012.47	25.68	79.379		
2,700.00	2,542.25	2,546.80	2,546.76	15.87	11.17	109.18	-884.97	-1,698.29	2,053.80	2,027.08	26.71	76.879		
2,800.00	2,631.92	2,639.00	2,638.96	16.59	11.55	110.25	-885.32	-1,698.23	2,070.19	2,042.43	27.76	74.585		
2,900.00	2,721.59	2,730.02	2,729.98	17.32	11.92	111.30	-885.65	-1,698.06	2,087.26	2,058.47	28.79	72.502		
3,000.00	2,811.26	2,820.00	2,819.95	18.05	12.29	112.31	-886.26	-1,697.94	2,105.17	2,075.35	29.81	70.608		
3,100.00	2,900.93	2,918.38	2,918.33	18.78	12.70	113.40	-886.90	-1,697.46	2,123.50	2,092.62	30.88	68.770		
3,200.00	2,990.60	2,998.67	2,998.62	19.51	13.03	114.28	-887.25	-1,697.17	2,142.67	2,110.82	31.85	67.278		
3,300.00	3,080.28	3,091.63	3,091.57	20.25	13.42	115.29	-887.54	-1,696.98	2,162.70	2,129.83	32.88	65.782		
3,400.00	3,169.95	3,172.89	3,172.84	20.99	13.75	116.15	-887.78	-1,696.88	2,183.52	2,149.68	33.84	64.524		
3,500.00	3,259.62	3,254.13	3,254.08	21.73	14.09	117.01	-888.06	-1,697.14	2,205.40	2,170.61	34.80	63.377		
3,600.00	3,349.29	3,343.57	3,343.51	22.47	14.46	117.93	-888.30	-1,697.67	2,228.20	2,192.41	35.79	62.251		
3,700.00	3,438.96	3,436.84	3,436.78	23.21	14.85	118.87	-888.82	-1,698.02	2,251.41	2,214.60	36.81	61.168		
3,800.00	3,528.64	3,521.26	3,521.20	23.95	15.21	119.72	-889.10	-1,698.41	2,275.34	2,237.57	37.77	60.249		
3,900.00	3,618.31	3,606.15	3,606.08	24.69	15.56	120.54	-889.49	-1,699.03	2,300.09	2,261.37	38.72	59.400		
4,000.00	3,707.98	3,712.88	3,712.81	25.44	16.01	121.56	-890.49	-1,699.57	2,325.16	2,285.36	39.80	58.421		
4,100.00	3,797.65	3,800.87	3,800.80	26.18	16.38	122.37	-891.51	-1,699.80	2,350.53	2,309.76	40.77	57.657		
4,200.00	3,887.32	3,881.90	3,881.82	26.93	16.72	123.10	-892.40	-1,700.16	2,376.59	2,334.91	41.69	57.008		
4,300.00	3,976.99	3,959.64	3,959.56	27.68	17.05	123.80	-893.10	-1,700.82	2,403.55	2,360.96	42.58	56.443		
4,400.00	4,066.67	4,041.79	4,041.70	28.42	17.39	124.53	-893.50	-1,701.85	2,431.43	2,387.93	43.50	55.897		
4,500.00	4,156.34	4,129.26	4,129.16	29.17	17.76	125.29	-893.83	-1,703.05	2,459.92	2,415.47	44.44	55.352		
4,600.00	4,246.01	4,216.50	4,216.38	29.92	18.13	126.04	-894.00	-1,704.31	2,488.98	2,443.61	45.38	54.850		
4,700.00	4,335.68	4,313.55	4,313.43	30.67	18.53	126.88	-893.26	-1,705.40	2,518.43	2,472.06	46.37	54.310		
4,800.00	4,425.35	4,424.02	4,423.89	31.42	19.00	127.82	-892.01	-1,705.82	2,547.76	2,500.32	47.44	53.700		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
4,900.00	4,515.03	4,523.90	4,523.77	32.17	19.41	128.66	-890.88	-1,705.54	2,577.01	2,528.56	48.45	53.193		
5,000.00	4,604.70	4,614.33	4,614.19	32.92	19.79	129.39	-890.37	-1,705.21	2,606.48	2,557.10	49.39	52.776		
5,100.00	4,694.37	4,691.15	4,691.01	33.67	20.11	130.00	-889.85	-1,705.11	2,636.62	2,586.39	50.24	52.483		
5,200.00	4,784.04	4,803.46	4,803.31	34.42	20.59	130.89	-888.71	-1,704.71	2,667.08	2,615.77	51.31	51.978		
5,300.00	4,873.71	4,884.97	4,884.82	35.17	20.93	131.51	-888.19	-1,704.24	2,697.63	2,645.45	52.19	51.693		
5,400.00	4,963.38	4,986.73	4,986.57	35.92	21.36	132.26	-887.94	-1,703.73	2,728.54	2,675.35	53.19	51.298		
5,500.00	5,053.06	5,062.13	5,061.97	36.67	21.67	132.81	-887.60	-1,703.23	2,759.72	2,705.71	54.02	51.090		
5,600.00	5,142.73	5,138.93	5,138.77	37.43	22.00	133.36	-887.10	-1,703.18	2,791.82	2,736.97	54.85	50.900		
5,700.00	5,232.40	5,223.24	5,223.07	38.18	22.35	133.96	-886.50	-1,703.33	2,824.49	2,768.77	55.73	50.684		
5,800.00	5,322.07	5,309.68	5,309.51	38.93	22.72	134.55	-885.85	-1,703.61	2,857.62	2,801.01	56.62	50.473		
5,900.00	5,411.74	5,400.20	5,400.03	39.68	23.10	135.16	-885.22	-1,703.94	2,891.10	2,833.56	57.53	50.250		
6,000.00	5,501.42	5,486.12	5,485.95	40.44	23.46	135.73	-884.75	-1,704.34	2,924.91	2,866.49	58.42	50.070		
6,100.00	5,591.09	5,583.07	5,582.90	41.19	23.87	136.35	-884.31	-1,704.79	2,958.98	2,899.61	59.38	49.835		
6,200.00	5,680.76	5,666.81	5,666.64	41.94	24.23	136.88	-883.94	-1,705.08	2,993.24	2,933.00	60.24	49.689		
6,300.00	5,770.43	5,755.35	5,755.18	42.70	24.60	137.42	-883.54	-1,705.59	3,027.96	2,966.83	61.14	49.529		
6,400.00	5,860.10	5,849.50	5,849.32	43.45	25.00	137.99	-883.00	-1,705.96	3,062.84	3,000.77	62.07	49.345		
6,500.00	5,949.77	5,937.99	5,937.81	44.20	25.38	138.51	-882.63	-1,706.26	3,097.87	3,034.91	62.96	49.202		
6,600.00	6,039.45	6,033.94	6,033.76	44.96	25.78	139.06	-882.44	-1,706.81	3,133.26	3,069.36	63.91	49.027		
6,700.00	6,129.12	6,138.35	6,138.17	45.71	26.22	139.65	-882.30	-1,706.59	3,168.20	3,103.28	64.92	48.804		
6,800.00	6,218.79	6,213.44	6,213.26	46.46	26.54	140.06	-882.36	-1,706.75	3,203.63	3,137.92	65.71	48.755		
6,900.00	6,308.46	6,304.00	6,303.81	47.22	26.93	140.53	-882.96	-1,707.37	3,239.44	3,172.82	66.62	48.629		
6,969.86	6,371.11	6,349.90	6,349.71	47.75	27.12	140.76	-883.38	-1,707.88	3,264.74	3,197.62	67.12	48.642		
7,000.00	6,398.25	6,370.19	6,370.00	47.97	27.21	135.20	-883.54	-1,708.18	3,275.17	3,207.84	67.33	48.641		
7,050.00	6,443.70	6,400.00	6,399.80	48.31	27.34	125.27	-883.75	-1,708.68	3,289.99	3,222.34	67.65	48.633		
7,100.00	6,489.42	6,438.55	6,438.35	48.61	27.50	114.93	-883.89	-1,709.41	3,301.61	3,233.60	68.01	48.544		
7,150.00	6,535.12	6,472.81	6,472.60	48.87	27.64	104.74	-883.83	-1,710.10	3,310.02	3,241.70	68.31	48.453		
7,200.00	6,580.53	6,507.36	6,507.14	49.09	27.79	95.37	-883.58	-1,710.84	3,315.18	3,246.59	68.58	48.337		
7,250.00	6,625.36	6,543.85	6,543.62	49.27	27.95	87.26	-883.18	-1,711.66	3,317.06	3,248.23	68.83	48.190		
7,300.00	6,669.35	6,579.63	6,579.39	49.42	28.10	80.54	-882.68	-1,712.50	3,315.67	3,246.63	69.04	48.026		
7,350.00	6,712.21	6,634.64	6,634.37	49.55	28.33	75.33	-881.71	-1,713.73	3,310.98	3,241.62	69.36	47.733		
7,400.00	6,753.69	6,714.18	6,713.89	49.65	28.67	71.60	-880.02	-1,714.52	3,302.63	3,232.78	69.85	47.280		
7,450.00	6,793.52	6,752.29	6,751.99	49.73	28.83	68.54	-879.30	-1,714.76	3,290.91	3,220.93	69.98	47.026		
7,500.00	6,831.47	6,794.56	6,794.26	49.81	29.01	66.43	-878.68	-1,715.05	3,276.07	3,205.95	70.12	46.722		
7,550.00	6,867.30	6,828.93	6,828.62	49.88	29.16	65.04	-878.25	-1,715.31	3,258.24	3,188.06	70.18	46.429		
7,600.00	6,900.78	6,860.21	6,859.90	49.95	29.29	64.31	-877.82	-1,715.55	3,237.62	3,167.42	70.20	46.120		
7,650.00	6,931.72	6,889.12	6,888.80	50.03	29.41	64.20	-877.38	-1,715.76	3,214.34	3,144.14	70.20	45.789		
7,700.00	6,959.92	6,916.21	6,915.89	50.11	29.53	64.69	-876.93	-1,715.96	3,188.57	3,118.38	70.19	45.428		
7,750.00	6,985.20	6,940.91	6,940.58	50.20	29.63	65.73	-876.48	-1,716.12	3,160.46	3,090.29	70.17	45.037		
7,800.00	7,007.41	6,962.54	6,962.22	50.30	29.73	67.32	-876.05	-1,716.24	3,130.21	3,060.06	70.15	44.619		
7,850.00	7,026.42	6,981.02	6,980.68	50.42	29.80	69.46	-875.66	-1,716.33	3,098.00	3,027.86	70.14	44.170		
7,900.00	7,042.11	6,996.23	6,995.89	50.57	29.87	72.16	-875.32	-1,716.40	3,064.03	2,993.90	70.13	43.690		
7,950.00	7,054.37	7,008.76	7,008.42	50.73	29.92	75.44	-875.02	-1,716.44	3,028.51	2,958.37	70.15	43.175		
8,000.00	7,063.14	7,017.97	7,017.63	50.92	29.96	79.29	-874.81	-1,716.47	2,991.65	2,921.47	70.18	42.628		
8,050.00	7,068.36	7,023.52	7,023.18	51.13	29.99	83.70	-874.68	-1,716.49	2,953.65	2,883.41	70.23	42.054		
8,094.17	7,070.00	7,025.36	7,025.02	51.34	29.99	88.04	-874.64	-1,716.50	2,919.31	2,849.00	70.30	41.525		
8,100.00	7,070.03	7,025.41	7,025.07	51.37	29.99	88.04	-874.64	-1,716.50	2,914.73	2,844.42	70.31	41.454		
8,200.00	7,070.55	7,026.31	7,025.96	51.94	30.00	88.07	-874.62	-1,716.50	2,837.05	2,766.49	70.55	40.211		
8,300.00	7,071.07	7,027.20	7,026.86	52.64	30.00	88.10	-874.59	-1,716.51	2,760.80	2,689.85	70.94	38.915		
8,400.00	7,071.60	7,028.09	7,027.75	53.49	30.00	88.13	-874.57	-1,716.51	2,686.11	2,614.60	71.50	37.566		
8,500.00	7,072.12	7,028.98	7,028.64	54.50	30.01	88.15	-874.55	-1,716.51	2,613.11	2,540.86	72.25	36.167		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	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	7,072.64	7,029.87	7,029.52	55.69	30.01	88.18	-874.53	-1,716.51	2,541.95	2,468.74	73.20	34.724		
8,700.00	7,073.17	7,030.75	7,030.40	57.04	30.02	88.21	-874.51	-1,716.52	2,472.78	2,398.40	74.38	33.247		
8,800.00	7,073.69	7,031.63	7,031.28	58.55	30.02	88.24	-874.49	-1,716.52	2,405.79	2,330.00	75.78	31.745		
8,900.00	7,074.21	7,032.51	7,032.16	60.21	30.02	88.27	-874.47	-1,716.52	2,341.14	2,263.71	77.44	30.233		
9,000.00	7,074.74	7,033.38	7,033.04	61.99	30.03	88.29	-874.45	-1,716.53	2,279.06	2,199.72	79.34	28.726		
9,100.00	7,075.26	7,034.26	7,033.91	63.88	30.03	88.32	-874.43	-1,716.53	2,219.74	2,138.25	81.49	27.239		
9,200.00	7,075.78	7,035.13	7,034.78	65.87	30.03	88.35	-874.41	-1,716.53	2,163.43	2,079.53	83.89	25.788		
9,300.00	7,076.30	7,036.00	7,035.65	67.95	30.04	88.38	-874.39	-1,716.53	2,110.35	2,023.81	86.53	24.387		
9,400.00	7,076.83	7,036.86	7,036.51	70.09	30.04	88.40	-874.37	-1,716.54	2,060.75	1,971.35	89.40	23.051		
9,500.00	7,077.35	7,037.73	7,037.38	72.30	30.05	88.43	-874.35	-1,716.54	2,014.91	1,922.44	92.47	21.790		
9,600.00	7,077.87	7,038.59	7,038.24	74.57	30.05	88.46	-874.33	-1,716.54	1,973.07	1,877.35	95.72	20.613		
9,700.00	7,078.40	7,039.44	7,039.09	76.88	30.05	88.48	-874.31	-1,716.55	1,935.49	1,836.38	99.11	19.529		
9,800.00	7,078.92	7,040.30	7,039.95	79.24	30.06	88.51	-874.29	-1,716.55	1,902.44	1,799.83	102.61	18.540		
9,900.00	7,079.44	7,041.15	7,040.80	81.63	30.06	88.54	-874.27	-1,716.55	1,874.15	1,767.97	106.18	17.651		
10,000.00	7,079.97	7,042.00	7,041.65	84.06	30.06	88.57	-874.25	-1,716.55	1,850.83	1,741.07	109.76	16.863		
10,100.00	7,080.49	7,042.85	7,042.50	86.52	30.07	88.59	-874.23	-1,716.56	1,832.67	1,719.37	113.31	16.174		
10,200.00	7,081.01	7,043.70	7,043.35	89.01	30.07	88.62	-874.21	-1,716.56	1,819.84	1,703.06	116.78	15.583		
10,300.00	7,081.54	7,044.54	7,044.19	91.52	30.07	88.65	-874.19	-1,716.56	1,812.45	1,692.32	120.12	15.088		
10,384.34	7,081.98	7,045.25	7,044.90	93.66	30.08	88.67	-874.17	-1,716.56	1,810.48	1,687.67	122.81	14.742 CC		
10,400.00	7,082.06	7,045.38	7,045.03	94.05	30.08	88.67	-874.17	-1,716.56	1,810.55	1,687.26	123.29	14.685 ES		
10,500.00	7,082.58	7,046.22	7,045.87	96.61	30.08	88.70	-874.15	-1,716.57	1,814.17	1,687.92	126.26	14.369		
10,600.00	7,083.10	7,047.06	7,046.71	99.18	30.09	88.73	-874.13	-1,716.57	1,823.28	1,694.31	128.98	14.137		
10,700.00	7,083.63	7,047.89	7,047.54	101.77	30.09	88.75	-874.11	-1,716.57	1,837.79	1,706.36	131.43	13.983		
10,800.00	7,084.15	7,048.73	7,048.37	104.38	30.09	88.78	-874.09	-1,716.57	1,857.58	1,723.97	133.61	13.903		
10,900.00	7,084.67	7,049.56	7,049.20	107.00	30.10	88.80	-874.07	-1,716.58	1,882.48	1,746.98	135.51	13.892 SF		
11,000.00	7,085.20	7,050.38	7,050.03	109.63	30.10	88.83	-874.06	-1,716.58	1,912.29	1,775.17	137.12	13.946		
11,100.00	7,085.72	7,051.21	7,050.86	112.27	30.10	88.86	-874.04	-1,716.58	1,946.79	1,808.32	138.47	14.059		
11,200.00	7,086.24	7,052.03	7,051.68	114.93	30.11	88.88	-874.02	-1,716.58	1,985.73	1,846.16	139.56	14.228		
11,300.00	7,086.77	7,052.85	7,052.50	117.59	30.11	88.91	-874.00	-1,716.59	2,028.85	1,888.43	140.42	14.449		
11,400.00	7,087.29	7,053.67	7,053.32	120.27	30.11	88.93	-873.98	-1,716.59	2,075.90	1,934.84	141.05	14.717		
11,500.00	7,087.81	7,054.49	7,054.13	122.95	30.12	88.96	-873.96	-1,716.59	2,126.61	1,985.11	141.50	15.029		
11,600.00	7,088.33	7,055.30	7,054.95	125.64	30.12	88.99	-873.94	-1,716.59	2,180.73	2,038.96	141.77	15.382		
11,700.00	7,088.86	7,056.11	7,055.76	128.34	30.12	89.01	-873.92	-1,716.60	2,238.01	2,096.12	141.90	15.772		
11,800.00	7,089.38	7,056.92	7,056.57	131.05	30.13	89.04	-873.90	-1,716.60	2,298.22	2,156.33	141.89	16.197		
11,900.00	7,089.90	7,057.73	7,057.37	133.76	30.13	89.06	-873.88	-1,716.60	2,361.13	2,219.35	141.78	16.654		
12,000.00	7,090.43	7,058.53	7,058.18	136.49	30.13	89.09	-873.87	-1,716.60	2,426.53	2,284.96	141.57	17.140		
12,100.00	7,090.95	7,059.34	7,058.98	139.21	30.14	89.11	-873.85	-1,716.61	2,494.22	2,352.93	141.29	17.653		
12,200.00	7,091.47	7,060.14	7,059.78	141.94	30.14	89.14	-873.83	-1,716.61	2,564.03	2,423.09	140.94	18.192		
12,300.00	7,092.00	7,060.93	7,060.58	144.68	30.14	89.16	-873.81	-1,716.61	2,635.78	2,495.24	140.55	18.754		
12,400.00	7,092.52	7,061.73	7,061.37	147.42	30.15	89.19	-873.79	-1,716.61	2,709.33	2,569.22	140.11	19.337		
12,500.00	7,093.04	7,062.52	7,062.17	150.17	30.15	89.21	-873.77	-1,716.61	2,784.52	2,644.88	139.64	19.940		
12,600.00	7,093.57	7,063.32	7,062.96	152.92	30.15	89.24	-873.75	-1,716.62	2,861.24	2,722.09	139.15	20.562		
12,700.00	7,094.09	7,064.11	7,063.75	155.67	30.16	89.26	-873.74	-1,716.62	2,939.35	2,800.71	138.64	21.201		
12,800.00	7,094.61	7,064.89	7,064.54	158.43	30.16	89.29	-873.72	-1,716.62	3,018.75	2,880.63	138.12	21.856		
12,900.00	7,095.13	7,065.68	7,065.32	161.19	30.16	89.31	-873.70	-1,716.62	3,099.35	2,961.75	137.60	22.525		
13,000.00	7,095.66	7,066.46	7,066.10	163.96	30.17	89.34	-873.68	-1,716.63	3,181.05	3,043.98	137.07	23.208		
13,100.00	7,096.18	7,067.24	7,066.88	166.73	30.17	89.36	-873.66	-1,716.63	3,263.77	3,127.23	136.54	23.904		
13,200.00	7,096.70	7,068.02	7,067.66	169.50	30.17	89.39	-873.65	-1,716.63	3,347.43	3,211.42	136.01	24.611		
13,256.62	7,097.00	7,068.46	7,068.10	171.07	30.18	89.40	-873.64	-1,716.63	3,395.18	3,259.47	135.72	25.017		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-131.41	-649.55	-736.43	982.14					
100.00	100.00	81.00	81.00	3.28	3.57	-131.41	-649.55	-736.43	981.96	975.10	6.86	143.216		
200.00	200.00	181.00	181.00	3.34	5.63	-131.41	-649.55	-736.43	981.96	972.99	8.96	109.534		
300.00	300.00	281.00	281.00	3.44	8.71	-131.41	-649.55	-736.43	981.96	969.81	12.15	80.815		
400.00	399.98	380.98	380.98	3.60	12.01	75.20	-649.55	-736.43	981.51	965.90	15.61	62.890		
500.00	499.84	480.84	480.84	3.79	15.39	75.52	-649.55	-736.43	980.19	961.01	19.18	51.106		
600.00	599.45	580.45	580.45	4.02	18.81	76.06	-649.55	-736.43	978.04	955.22	22.82	42.852		
700.00	698.70	679.70	679.70	4.29	22.23	76.81	-649.55	-736.43	975.16	948.65	26.51	36.779		
800.00	797.47	778.47	778.47	4.59	25.64	77.76	-649.55	-736.43	971.67	941.44	30.24	32.137		
900.00	895.62	876.62	876.62	4.93	29.04	78.92	-649.55	-736.43	967.75	933.77	33.98	28.482		
1,000.00	993.06	974.06	974.06	5.31	32.43	80.28	-649.55	-736.43	963.59	925.85	37.73	25.537		
1,100.00	1,089.64	1,070.64	1,070.64	5.72	35.78	81.84	-649.55	-736.43	959.43	917.93	41.50	23.121		
1,200.00	1,185.27	1,166.27	1,166.27	6.16	39.11	83.58	-649.55	-736.43	955.55	910.29	45.26	21.111		
1,300.00	1,279.82	1,260.82	1,260.82	6.64	42.40	85.48	-649.55	-736.43	952.27	903.24	49.03	19.421		
1,400.00	1,373.17	1,354.17	1,354.17	7.16	45.65	87.54	-649.55	-736.43	949.94	897.14	52.80	17.992		
1,500.00	1,465.21	1,446.21	1,446.21	7.71	48.85	89.73	-649.55	-736.43	948.94	892.38	56.56	16.777		
1,511.93	1,476.10	1,457.10	1,457.10	7.78	49.23	90.00	-649.55	-736.43	948.93	891.92	57.01	16.645 CC		
1,600.00	1,555.84	1,536.84	1,536.84	8.31	52.01	92.03	-649.55	-736.43	949.66	889.35	60.31	15.745		
1,613.50	1,567.96	1,548.96	1,548.96	8.39	52.43	92.34	-649.55	-736.43	949.91	889.10	60.82	15.619		
1,700.00	1,645.53	1,626.53	1,626.53	8.93	55.13	94.41	-649.55	-736.43	952.43	888.36	64.07	14.866 ES		
1,800.00	1,735.20	1,716.20	1,716.20	9.58	58.26	96.78	-649.55	-736.43	957.24	889.41	67.83	14.112		
1,900.00	1,824.87	1,805.87	1,805.87	10.25	61.39	99.13	-649.55	-736.43	964.06	892.45	71.61	13.463		
2,000.00	1,914.54	1,895.54	1,895.54	10.92	64.82	101.45	-649.55	-736.43	972.84	897.15	75.70	12.852		
2,100.00	2,004.21	1,985.21	1,985.21	11.61	67.64	103.74	-649.55	-736.43	983.55	904.39	79.16	12.425		
2,200.00	2,093.89	2,074.89	2,074.89	12.30	70.76	105.97	-649.55	-736.43	996.10	913.17	82.93	12.011		
2,300.00	2,183.56	2,164.56	2,164.56	13.01	73.89	108.16	-649.55	-736.43	1,010.44	923.74	86.70	11.654		
2,400.00	2,273.23	2,254.23	2,254.23	13.71	77.02	110.30	-649.55	-736.43	1,026.49	936.03	90.46	11.347		
2,500.00	2,362.90	2,343.90	2,343.90	14.43	80.15	112.38	-649.55	-736.43	1,044.17	949.96	94.21	11.084		
2,600.00	2,452.57	2,433.57	2,433.57	15.14	83.28	114.40	-649.55	-736.43	1,063.40	965.45	97.95	10.857		
2,700.00	2,542.25	2,523.25	2,523.25	15.87	86.40	116.35	-649.55	-736.43	1,084.10	982.42	101.68	10.662		
2,800.00	2,631.92	2,612.92	2,612.92	16.59	89.53	118.24	-649.55	-736.43	1,106.18	1,000.78	105.40	10.495		
2,900.00	2,721.59	2,702.59	2,702.59	17.32	92.66	120.07	-649.55	-736.43	1,129.56	1,020.46	109.11	10.353		
3,000.00	2,811.26	2,792.26	2,792.26	18.05	96.33	121.83	-649.55	-736.43	1,154.17	1,040.83	113.34	10.183		
3,100.00	2,900.93	2,881.93	2,881.93	18.78	99.92	123.53	-649.55	-736.43	1,179.93	1,063.43	116.49	10.129		
3,200.00	2,990.60	2,971.60	2,971.60	19.51	102.05	125.16	-649.55	-736.43	1,206.76	1,086.58	120.18	10.042		
3,300.00	3,080.28	3,061.28	3,061.28	20.25	105.18	126.74	-649.55	-736.43	1,234.59	1,110.74	123.85	9.968		
3,400.00	3,169.95	3,150.95	3,150.95	20.99	108.30	128.24	-649.55	-736.43	1,263.36	1,135.85	127.52	9.907		
3,500.00	3,259.62	3,240.62	3,240.62	21.73	111.43	129.69	-649.55	-736.43	1,293.01	1,161.83	131.18	9.857		
3,600.00	3,349.29	3,330.29	3,330.29	22.47	114.56	131.08	-649.55	-736.43	1,323.47	1,188.64	134.83	9.816		
3,700.00	3,438.96	3,419.96	3,419.96	23.21	117.69	132.42	-649.55	-736.43	1,354.70	1,216.22	138.48	9.783		
3,800.00	3,528.64	3,509.64	3,509.64	23.95	120.82	133.70	-649.55	-736.43	1,386.63	1,244.51	142.12	9.756		
3,900.00	3,618.31	3,600.69	3,599.31	24.69	124.00	134.92	-649.55	-736.43	1,419.23	1,273.41	145.81	9.733		
4,000.00	3,707.98	3,688.98	3,688.98	25.44	127.08	136.10	-649.55	-736.43	1,452.44	1,303.04	149.40	9.722		
4,100.00	3,797.65	3,778.65	3,778.65	26.18	130.21	137.23	-649.55	-736.43	1,486.23	1,333.19	153.04	9.712		
4,200.00	3,887.32	3,868.32	3,868.32	26.93	133.34	138.31	-649.55	-736.43	1,520.56	1,363.89	156.67	9.706		
4,300.00	3,976.99	3,957.99	3,957.99	27.68	136.47	139.35	-649.55	-736.43	1,555.39	1,395.09	160.30	9.703		
4,400.00	4,066.67	4,047.67	4,047.67	28.42	139.60	140.34	-649.55	-736.43	1,590.68	1,426.76	163.92	9.704		
4,500.00	4,156.34	4,137.34	4,137.34	29.17	142.73	141.30	-649.55	-736.43	1,626.42	1,458.87	167.55	9.707		
4,600.00	4,246.01	4,227.01	4,227.01	29.92	145.86	142.22	-649.55	-736.43	1,662.57	1,491.39	171.17	9.713		
4,700.00	4,335.68	4,316.68	4,316.68	30.67	148.99	143.10	-649.55	-736.43	1,699.10	1,524.30	174.80	9.720		
4,800.00	4,425.35	4,406.35	4,406.35	31.42	152.12	143.95	-649.55	-736.43	1,735.99	1,557.57	178.42	9.730		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,515.03	4,503.97	4,496.03	32.17	155.52	144.76	-649.55	-736.43	1,773.22	1,590.89	182.32	9.726					
5,000.00	4,604.70	4,585.70	4,585.70	32.92	158.38	145.54	-649.55	-736.43	1,810.76	1,625.09	185.67	9.753					
5,100.00	4,694.37	4,675.37	4,675.37	33.67	161.51	146.30	-649.55	-736.43	1,848.60	1,659.31	189.29	9.766					
5,200.00	4,784.04	4,765.04	4,765.04	34.42	164.64	147.02	-649.55	-736.43	1,886.72	1,693.81	192.91	9.780					
5,300.00	4,873.71	4,854.71	4,854.71	35.17	167.76	147.72	-649.55	-736.43	1,925.11	1,728.57	196.53	9.795					
5,400.00	4,963.38	4,944.38	4,944.38	35.92	170.89	148.39	-649.55	-736.43	1,963.74	1,763.58	200.15	9.811					
5,500.00	5,053.06	5,034.06	5,034.06	36.67	174.02	149.03	-649.55	-736.43	2,002.60	1,798.83	203.77	9.828					
5,600.00	5,142.73	5,123.73	5,123.73	37.43	177.15	149.66	-649.55	-736.43	2,041.68	1,834.29	207.40	9.844					
5,700.00	5,232.40	5,213.40	5,213.40	38.18	180.28	150.26	-649.55	-736.43	2,080.97	1,869.96	211.02	9.862					
5,800.00	5,322.07	5,303.07	5,303.07	38.93	183.41	150.84	-649.55	-736.43	2,120.46	1,905.82	214.64	9.879					
5,900.00	5,411.74	5,407.26	5,392.74	39.68	187.05	151.40	-649.55	-736.43	2,160.13	1,941.36	218.77	9.874					
6,000.00	5,501.42	5,482.42	5,482.42	40.44	189.67	151.94	-649.55	-736.43	2,199.98	1,978.09	221.89	9.915					
6,100.00	5,591.09	5,572.09	5,572.09	41.19	192.80	152.46	-649.55	-736.43	2,239.99	2,014.48	225.51	9.933					
6,200.00	5,680.76	5,661.76	5,661.76	41.94	195.93	152.96	-649.55	-736.43	2,280.16	2,051.02	229.14	9.951					
6,300.00	5,770.43	5,751.43	5,751.43	42.70	199.06	153.45	-649.55	-736.43	2,320.48	2,087.72	232.77	9.969					
6,400.00	5,860.10	5,841.10	5,841.10	43.45	202.19	153.92	-649.55	-736.43	2,360.94	2,124.55	236.39	9.987					
6,500.00	5,949.77	5,930.77	5,930.77	44.20	205.32	154.37	-649.55	-736.43	2,401.53	2,161.52	240.02	10.006					
6,600.00	6,039.45	6,020.45	6,020.45	44.96	208.45	154.82	-649.55	-736.43	2,442.25	2,198.61	243.65	10.024					
6,700.00	6,129.12	6,110.12	6,110.12	45.71	211.58	155.24	-649.55	-736.43	2,483.10	2,235.82	247.27	10.042					
6,800.00	6,218.79	6,200.21	6,199.79	46.46	214.73	155.66	-649.55	-736.43	2,524.05	2,273.14	250.92	10.059					
6,900.00	6,308.46	6,289.46	6,289.46	47.22	217.84	156.06	-649.55	-736.43	2,565.12	2,310.59	254.53	10.078					
6,969.86	6,371.11	6,352.11	6,352.11	47.75	220.03	156.33	-649.55	-736.43	2,593.88	2,336.81	257.07	10.090					
7,000.00	6,398.25	6,379.25	6,379.25	47.97	220.98	150.46	-649.55	-736.43	2,605.81	2,347.64	258.16	10.094					
7,050.00	6,443.70	6,424.70	6,424.70	48.31	222.57	140.11	-649.55	-736.43	2,623.44	2,363.45	259.99	10.091					
7,100.00	6,489.42	6,470.42	6,470.42	48.61	224.16	129.39	-649.55	-736.43	2,638.30	2,376.50	261.80	10.077					
7,150.00	6,535.12	6,516.12	6,516.12	48.87	225.76	118.94	-649.55	-736.43	2,650.35	2,386.75	263.59	10.055					
7,200.00	6,580.53	6,561.53	6,561.53	49.09	227.34	109.37	-649.55	-736.43	2,659.55	2,394.20	265.35	10.023					
7,250.00	6,625.36	6,606.36	6,606.36	49.27	228.91	101.10	-649.55	-736.43	2,665.90	2,398.85	267.05	9.983					
7,300.00	6,669.35	6,650.35	6,650.35	49.42	230.44	94.27	-649.55	-736.43	2,669.43	2,400.73	268.69	9.935					
7,350.00	6,712.21	6,706.79	6,693.21	49.55	232.41	88.82	-649.55	-736.43	2,670.15	2,399.42	270.74	9.863					
7,400.00	6,753.69	6,734.69	6,734.69	49.65	233.39	84.60	-649.55	-736.43	2,668.15	2,396.40	271.75	9.818					
7,450.00	6,793.52	6,774.52	6,774.52	49.73	234.78	81.42	-649.55	-736.43	2,663.48	2,390.32	273.16	9.751					
7,500.00	6,831.47	6,812.47	6,812.47	49.81	236.10	79.14	-649.55	-736.43	2,656.24	2,381.77	274.47	9.678					
7,550.00	6,867.30	6,848.30	6,848.30	49.88	237.35	77.60	-649.55	-736.43	2,646.56	2,370.85	275.70	9.599					
7,600.00	6,900.78	6,881.78	6,881.78	49.95	238.52	76.71	-649.55	-736.43	2,634.54	2,357.69	276.85	9.516					
7,650.00	6,931.72	6,912.72	6,912.72	50.03	239.60	76.38	-649.55	-736.43	2,620.32	2,342.42	277.91	9.429					
7,700.00	6,959.92	6,940.92	6,940.92	50.11	240.58	76.54	-649.55	-736.43	2,604.06	2,325.18	278.88	9.337					
7,750.00	6,985.20	6,966.20	6,966.20	50.20	241.47	77.13	-649.55	-736.43	2,585.90	2,306.12	279.78	9.243					
7,800.00	7,007.41	6,988.41	6,988.41	50.30	242.24	78.11	-649.55	-736.43	2,566.01	2,285.40	280.61	9.144					
7,850.00	7,026.42	7,007.42	7,007.42	50.42	242.91	79.43	-649.55	-736.43	2,544.56	2,263.19	281.37	9.043					
7,900.00	7,042.11	7,023.11	7,023.11	50.57	243.45	81.07	-649.55	-736.43	2,521.70	2,239.64	282.06	8.940					
7,950.00	7,054.37	7,035.37	7,035.37	50.73	243.88	82.99	-649.55	-736.43	2,497.61	2,214.92	282.70	8.835					
8,000.00	7,063.14	7,044.14	7,044.14	50.92	244.19	85.16	-649.55	-736.43	2,472.46	2,189.19	283.27	8.728					
8,050.00	7,068.36	7,049.36	7,049.36	51.13	244.37	87.54	-649.55	-736.43	2,446.40	2,162.62	283.78	8.621					
8,094.17	7,070.00	7,051.00	7,051.00	51.34	244.43	89.81	-649.55	-736.43	2,422.76	2,138.58	284.18	8.525					
8,100.00	7,070.03	7,051.03	7,051.03	51.37	244.43	89.81	-649.55	-736.43	2,419.61	2,135.38	284.23	8.513					
8,200.00	7,070.55	7,051.55	7,051.55	51.94	244.45	89.82	-649.55	-736.43	2,367.17	2,081.95	285.22	8.299					
8,300.00	7,071.07	7,052.07	7,052.07	52.64	244.46	89.84	-649.55	-736.43	2,317.87	2,031.39	286.48	8.091					
8,400.00	7,071.60	7,052.60	7,052.60	53.49	244.48	89.85	-649.55	-736.43	2,271.89	1,983.89	288.00	7.888					
8,500.00	7,072.12	7,053.12	7,053.12	54.50	244.50	89.87	-649.55	-736.43	2,229.46	1,939.67	289.79	7.693					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	7,053.64	7,053.64	55.69	244.52	89.88	-649.55	-736.43	2,190.77	1,898.95	291.82	7.507		
8,700.00	7,073.17	7,054.17	7,054.17	57.04	244.54	89.90	-649.55	-736.43	2,156.03	1,861.96	294.07	7.332		
8,800.00	7,073.69	7,054.69	7,054.69	58.55	244.56	89.91	-649.55	-736.43	2,125.43	1,828.91	296.53	7.168		
8,900.00	7,074.21	7,055.21	7,055.21	60.21	244.57	89.93	-649.55	-736.43	2,099.15	1,800.01	299.14	7.017		
9,000.00	7,074.74	7,055.74	7,055.74	61.99	244.59	89.94	-649.55	-736.43	2,077.36	1,775.48	301.89	6.881		
9,100.00	7,075.26	7,056.26	7,056.26	63.88	244.61	89.96	-649.55	-736.43	2,060.20	1,755.48	304.72	6.761		
9,200.00	7,075.78	7,056.78	7,056.78	65.87	244.63	89.97	-649.55	-736.43	2,047.78	1,740.17	307.61	6.657		
9,300.00	7,076.30	7,057.30	7,057.30	67.95	244.65	89.98	-649.55	-736.43	2,040.19	1,729.69	310.51	6.571		
9,400.00	7,076.83	7,057.83	7,057.83	70.09	244.67	90.00	-649.55	-736.43	2,037.49	1,724.11	313.38	6.502		
9,405.07	7,076.85	7,057.85	7,057.85	70.20	244.67	90.00	-649.55	-736.43	2,037.49	1,723.96	313.52	6.499		
9,500.00	7,077.35	7,058.35	7,058.35	72.30	244.68	90.01	-649.55	-736.43	2,039.70	1,723.51	316.19	6.451		
9,600.00	7,077.87	7,058.87	7,058.87	74.57	244.70	90.03	-649.55	-736.43	2,046.79	1,727.88	318.91	6.418		
9,700.00	7,078.40	7,059.40	7,059.40	76.88	244.72	90.04	-649.55	-736.43	2,058.72	1,737.21	321.52	6.403 SF		
9,800.00	7,078.92	7,059.92	7,059.92	79.24	244.74	90.06	-649.55	-736.43	2,075.41	1,751.43	323.98	6.406		
9,900.00	7,079.44	7,060.44	7,060.44	81.63	244.76	90.07	-649.55	-736.43	2,096.74	1,770.45	326.28	6.426		
10,000.00	7,079.97	7,060.97	7,060.97	84.06	244.78	90.09	-649.55	-736.43	2,122.57	1,794.15	328.42	6.463		
10,100.00	7,080.49	7,061.49	7,061.49	86.52	244.79	90.10	-649.55	-736.43	2,152.73	1,822.35	330.38	6.516		
10,200.00	7,081.01	7,062.01	7,062.01	89.01	244.81	90.12	-649.55	-736.43	2,187.06	1,854.90	332.17	6.584		
10,300.00	7,081.54	7,062.54	7,062.54	91.52	244.83	90.13	-649.55	-736.43	2,225.36	1,891.58	333.78	6.667		
10,400.00	7,082.06	7,063.06	7,063.06	94.05	244.85	90.15	-649.55	-736.43	2,267.42	1,932.21	335.22	6.764		
10,500.00	7,082.58	7,063.58	7,063.58	96.61	244.87	90.16	-649.55	-736.43	2,313.05	1,976.55	336.49	6.874		
10,600.00	7,083.10	7,064.10	7,064.10	99.18	244.88	90.18	-649.55	-736.43	2,362.03	2,024.41	337.62	6.996		
10,700.00	7,083.63	7,064.63	7,064.63	101.77	244.90	90.19	-649.55	-736.43	2,414.16	2,075.56	338.60	7.130		
10,800.00	7,084.15	7,065.15	7,065.15	104.38	244.92	90.21	-649.55	-736.43	2,469.24	2,129.79	339.44	7.274		
10,900.00	7,084.67	7,065.67	7,065.67	107.00	244.94	90.22	-649.55	-736.43	2,527.07	2,186.91	340.17	7.429		
11,000.00	7,085.20	7,066.20	7,066.20	109.63	244.96	90.23	-649.55	-736.43	2,587.49	2,246.70	340.78	7.593		
11,100.00	7,085.72	7,066.72	7,066.72	112.27	244.98	90.25	-649.55	-736.43	2,650.29	2,308.99	341.30	7.765		
11,200.00	7,086.24	7,067.24	7,067.24	114.93	244.99	90.26	-649.55	-736.43	2,715.33	2,373.61	341.73	7.946		
11,300.00	7,086.77	7,067.77	7,067.77	117.59	245.01	90.28	-649.55	-736.43	2,782.45	2,440.37	342.08	8.134		
11,400.00	7,087.29	7,068.29	7,068.29	120.27	245.03	90.29	-649.55	-736.43	2,851.49	2,509.13	342.35	8.329		
11,500.00	7,087.81	7,068.81	7,068.81	122.95	245.05	90.31	-649.55	-736.43	2,922.32	2,579.75	342.57	8.531		
11,600.00	7,088.33	7,069.33	7,069.33	125.64	245.07	90.32	-649.55	-736.43	2,994.82	2,652.08	342.73	8.738		
11,700.00	7,088.86	7,069.86	7,069.86	128.34	245.09	90.34	-649.55	-736.43	3,068.86	2,726.01	342.85	8.951		
11,800.00	7,089.38	7,070.38	7,070.38	131.05	245.10	90.35	-649.55	-736.43	3,144.34	2,801.42	342.92	9.169		
11,900.00	7,089.90	7,070.90	7,070.90	133.76	245.12	90.37	-649.55	-736.43	3,221.16	2,878.19	342.96	9.392		
12,000.00	7,090.43	7,071.43	7,071.43	136.49	245.14	90.38	-649.55	-736.43	3,299.22	2,956.25	342.97	9.620		
12,100.00	7,090.95	7,071.95	7,071.95	139.21	245.16	90.40	-649.55	-736.43	3,378.43	3,035.48	342.95	9.851		
12,200.00	7,091.47	7,072.47	7,072.47	141.94	245.18	90.41	-649.55	-736.43	3,458.72	3,115.82	342.91	10.086		
12,300.00	7,092.00	7,073.00	7,073.00	144.68	245.20	90.43	-649.55	-736.43	3,540.02	3,197.17	342.85	10.325		
12,400.00	7,092.52	7,073.52	7,073.52	147.42	245.21	90.44	-649.55	-736.43	3,622.25	3,279.48	342.77	10.568		
12,500.00	7,093.04	7,074.04	7,074.04	150.17	245.23	90.46	-649.55	-736.43	3,705.36	3,362.68	342.68	10.813		
12,600.00	7,093.57	7,074.57	7,074.57	152.92	245.25	90.47	-649.55	-736.43	3,789.28	3,446.71	342.57	11.061		
12,700.00	7,094.09	7,075.09	7,075.09	155.67	245.27	90.48	-649.55	-736.43	3,873.97	3,531.51	342.46	11.312		
12,800.00	7,094.61	7,075.61	7,075.61	158.43	245.29	90.50	-649.55	-736.43	3,959.37	3,617.03	342.34	11.566		
12,900.00	7,095.13	7,076.13	7,076.13	161.19	245.30	90.51	-649.55	-736.43	4,045.44	3,703.23	342.21	11.822		
13,000.00	7,095.66	7,076.66	7,076.66	163.96	245.32	90.53	-649.55	-736.43	4,132.13	3,790.06	342.08	12.080		
13,100.00	7,096.18	7,077.18	7,077.18	166.73	245.34	90.54	-649.55	-736.43	4,219.42	3,877.48	341.94	12.340		
13,200.00	7,096.70	7,077.70	7,077.70	169.50	245.36	90.56	-649.55	-736.43	4,307.26	3,965.45	341.80	12.602		
13,256.62	7,097.00	7,078.00	7,078.00	171.07	245.37	90.57	-649.55	-736.43	4,357.22	4,015.50	341.72	12.751		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-49.88	347.54	-412.42	539.59					
100.00	100.00	78.47	78.47	3.28	3.28	-49.85	348.00	-412.46	539.68	533.11	6.57	82.148		
200.00	200.00	179.17	179.16	3.34	3.33	-49.75	349.28	-412.57	540.58	533.92	6.66	81.111		
300.00	300.00	280.12	280.11	3.44	3.43	-49.68	350.17	-412.60	541.17	534.30	6.87	78.756		
400.00	399.98	379.41	379.39	3.60	3.57	-156.94	350.91	-412.72	543.35	536.18	7.17	75.793		
500.00	499.84	480.06	480.04	3.79	3.76	-157.16	351.69	-412.87	548.79	541.24	7.55	72.667		
600.00	599.45	579.84	579.82	4.02	3.99	-157.49	352.34	-412.94	557.31	549.30	8.01	69.555		
700.00	698.70	677.75	677.73	4.29	4.24	-157.89	352.89	-413.19	569.16	560.62	8.54	66.682		
800.00	797.47	776.81	776.79	4.59	4.53	-158.37	353.49	-413.58	584.40	575.28	9.12	64.098		
900.00	895.62	873.71	873.68	4.93	4.82	-158.90	353.97	-414.04	602.88	593.14	9.74	61.895		
1,000.00	993.06	970.54	970.51	5.31	5.13	-159.47	354.42	-414.80	624.84	614.44	10.40	60.062		
1,100.00	1,089.64	1,068.41	1,068.37	5.72	5.46	-160.09	354.87	-415.46	650.01	638.91	11.10	58.536		
1,200.00	1,185.27	1,162.19	1,162.15	6.16	5.79	-160.70	355.17	-416.07	678.35	666.53	11.82	57.389		
1,300.00	1,279.82	1,257.68	1,257.64	6.64	6.13	-161.32	355.54	-416.99	710.22	697.65	12.57	56.510		
1,400.00	1,373.17	1,351.33	1,351.28	7.16	6.47	-161.94	355.57	-417.73	744.99	731.65	13.33	55.884		
1,500.00	1,465.21	1,442.01	1,441.96	7.71	6.81	-162.54	355.88	-418.45	783.20	769.10	14.10	55.545		
1,600.00	1,555.84	1,534.54	1,534.48	8.31	7.16	-163.13	356.03	-419.25	824.54	809.65	14.90	55.351		
1,613.50	1,567.96	1,547.18	1,547.13	8.39	7.21	-163.21	356.04	-419.33	830.34	815.33	15.01	55.312		
1,700.00	1,645.53	1,627.55	1,627.49	8.93	7.52	-163.96	356.10	-419.59	867.57	851.86	15.71	55.235		
1,800.00	1,735.20	1,718.85	1,718.80	9.58	7.87	-164.72	356.01	-419.71	910.50	893.99	16.51	55.141		
1,900.00	1,824.87	1,809.04	1,808.98	10.25	8.22	-165.41	355.86	-419.78	953.47	936.15	17.32	55.044		
2,000.00	1,914.54	1,900.23	1,900.17	10.92	8.58	-166.05	355.58	-419.84	996.45	978.30	18.15	54.909		
2,100.00	2,004.21	1,989.45	1,989.39	11.61	8.93	-166.61	355.19	-419.99	1,039.48	1,020.51	18.97	54.796		
2,200.00	2,093.89	2,084.38	2,084.32	12.30	9.31	-167.13	354.39	-420.36	1,082.43	1,062.59	19.84	54.567		
2,300.00	2,183.56	2,178.99	2,178.91	13.01	9.69	-167.57	352.83	-420.97	1,125.00	1,104.29	20.71	54.321		
2,400.00	2,273.23	2,269.35	2,269.25	13.71	10.05	-167.95	350.95	-421.72	1,167.40	1,145.84	21.56	54.138		
2,500.00	2,362.90	2,358.53	2,358.41	14.43	10.41	-168.28	349.02	-422.67	1,209.92	1,187.51	22.41	53.980		
2,600.00	2,452.57	2,445.02	2,444.87	15.14	10.77	-168.57	347.14	-423.82	1,252.60	1,229.35	23.25	53.872		
2,700.00	2,542.25	2,529.98	2,529.80	15.87	11.12	-168.82	345.39	-425.43	1,295.70	1,271.62	24.08	53.804		
2,800.00	2,631.92	2,616.80	2,616.58	16.59	11.47	-169.06	343.84	-427.19	1,339.08	1,314.15	24.93	53.719		
2,900.00	2,721.59	2,703.77	2,703.52	17.32	11.83	-169.29	342.49	-429.00	1,382.69	1,356.91	25.78	53.641		
3,000.00	2,811.26	2,793.15	2,792.88	18.05	12.20	-169.52	341.20	-430.91	1,426.42	1,399.77	26.65	53.531		
3,100.00	2,900.93	2,883.78	2,883.48	18.78	12.57	-169.74	339.92	-432.78	1,470.15	1,442.63	27.53	53.407		
3,200.00	2,990.60	2,971.44	2,971.11	19.51	12.94	-169.95	338.83	-434.42	1,513.92	1,485.54	28.39	53.330		
3,300.00	3,080.28	3,060.27	3,059.93	20.25	13.30	-170.16	338.02	-435.89	1,557.84	1,528.58	29.26	53.244		
3,400.00	3,169.95	3,153.62	3,153.27	20.99	13.69	-170.38	337.27	-437.17	1,601.72	1,571.55	30.17	53.098		
3,500.00	3,259.62	3,242.95	3,242.58	21.73	14.06	-170.59	336.44	-438.19	1,645.38	1,614.34	31.04	53.004		
3,600.00	3,349.29	3,328.30	3,327.93	22.47	14.42	-170.77	335.84	-439.33	1,689.34	1,657.45	31.89	52.974		
3,700.00	3,438.96	3,420.03	3,419.65	23.21	14.80	-170.97	335.38	-440.31	1,733.33	1,700.54	32.79	52.863		
3,800.00	3,528.64	3,510.67	3,510.28	23.95	15.18	-171.17	334.92	-441.09	1,777.21	1,743.53	33.68	52.766		
3,900.00	3,618.31	3,590.00	3,589.60	24.69	15.51	-171.32	334.63	-442.01	1,821.38	1,786.90	34.48	52.821		
4,000.00	3,707.98	3,675.43	3,675.03	25.44	15.87	-171.48	334.61	-443.21	1,865.93	1,830.60	35.33	52.808		
4,100.00	3,797.65	3,762.80	3,762.39	26.18	16.24	-171.65	334.89	-444.23	1,910.63	1,874.42	36.20	52.777		
4,200.00	3,887.32	3,847.86	3,847.45	26.93	16.59	-171.82	335.37	-445.09	1,955.44	1,918.39	37.05	52.777		
4,300.00	3,976.99	3,933.77	3,933.35	27.68	16.96	-171.98	336.16	-445.91	2,000.51	1,962.60	37.91	52.773		
4,400.00	4,066.67	4,022.84	4,022.42	28.42	17.33	-172.14	336.82	-447.01	2,045.59	2,006.80	38.79	52.731		
4,500.00	4,156.34	4,108.03	4,107.59	29.17	17.69	-172.28	337.52	-448.21	2,090.83	2,051.19	39.65	52.738		
4,600.00	4,246.01	4,212.35	4,211.90	29.92	18.13	-172.44	338.13	-449.48	2,135.82	2,095.16	40.66	52.526		
4,700.00	4,335.68	4,304.70	4,304.24	30.67	18.52	-172.59	338.44	-450.30	2,180.46	2,138.89	41.58	52.443		
4,800.00	4,425.35	4,393.89	4,393.43	31.42	18.89	-172.72	338.62	-451.12	2,225.03	2,182.57	42.47	52.394		
4,900.00	4,515.03	4,480.51	4,480.05	32.17	19.26	-172.84	338.81	-451.99	2,269.66	2,226.33	43.34	52.374		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,581.23	4,580.77	32.92	19.69	172.97	338.91	-452.95	2,314.20	2,269.88	44.32	52.210			
5,100.00	4,694.37	4,676.26	4,675.78	33.67	20.09	173.08	338.39	-454.02	2,358.33	2,313.06	45.27	52.099			
5,200.00	4,784.04	4,768.56	4,768.07	34.42	20.48	173.17	337.73	-455.06	2,402.34	2,356.16	46.19	52.015			
5,300.00	4,873.71	4,861.65	4,861.16	35.17	20.87	173.26	336.84	-456.27	2,446.26	2,399.14	47.11	51.924			
5,400.00	4,963.38	4,952.11	4,951.60	35.92	21.25	173.34	335.81	-457.52	2,490.07	2,442.06	48.02	51.858			
5,500.00	5,053.06	5,042.94	5,042.41	36.67	21.64	173.41	334.69	-458.93	2,533.91	2,484.99	48.93	51.790			
5,600.00	5,142.73	5,141.55	5,141.00	37.43	22.06	173.49	333.45	-460.21	2,577.61	2,527.71	49.90	51.654			
5,700.00	5,232.40	5,241.07	5,240.50	38.18	22.48	173.57	331.67	-461.46	2,620.88	2,570.00	50.89	51.506			
5,800.00	5,322.07	5,330.51	5,329.93	38.93	22.86	173.64	330.31	-461.98	2,664.05	2,612.26	51.78	51.446			
5,900.00	5,411.74	5,417.39	5,416.80	39.68	23.22	173.73	329.28	-462.22	2,707.32	2,654.66	52.66	51.412			
6,000.00	5,501.42	5,511.29	5,510.69	40.44	23.62	173.81	328.16	-462.49	2,750.60	2,697.00	53.59	51.322			
6,100.00	5,591.09	5,618.69	5,618.08	41.19	24.07	173.91	326.49	-462.60	2,793.51	2,738.87	54.65	51.121			
6,200.00	5,680.76	5,698.00	5,697.39	41.94	24.41	173.98	325.34	-462.53	2,836.41	2,780.95	55.46	51.145			
6,300.00	5,770.43	5,790.67	5,790.05	42.70	24.80	174.06	324.01	-462.50	2,879.37	2,822.98	56.39	51.066			
6,400.00	5,860.10	5,888.64	5,888.00	43.45	25.22	174.14	322.50	-462.35	2,922.18	2,864.82	57.36	50.947			
6,500.00	5,949.77	5,965.59	5,964.94	44.20	25.54	174.21	321.53	-461.93	2,965.04	2,906.89	58.15	50.989			
6,600.00	6,039.45	6,055.29	6,054.64	44.96	25.92	174.30	320.82	-461.44	3,008.26	2,949.21	59.05	50.942			
6,700.00	6,129.12	6,151.31	6,150.65	45.71	26.33	174.39	319.96	-460.61	3,051.25	2,991.24	60.01	50.847			
6,800.00	6,218.79	6,244.16	6,243.49	46.46	26.72	174.47	318.94	-460.00	3,094.18	3,033.24	60.94	50.775			
6,900.00	6,308.46	6,332.19	6,331.51	47.22	27.09	174.55	317.98	-459.22	3,137.03	3,075.20	61.83	50.738			
6,969.86	6,371.11	6,385.80	6,385.12	47.75	27.32	174.60	317.53	-458.79	3,167.13	3,104.75	62.38	50.771			
7,000.00	6,398.25	6,410.97	6,410.30	47.97	27.42	168.32	317.37	-458.62	3,179.84	3,117.21	62.63	50.768			
7,050.00	6,443.70	6,458.40	6,457.72	48.31	27.62	157.31	317.05	-458.28	3,199.46	3,136.36	63.10	50.706			
7,100.00	6,489.42	6,506.11	6,505.43	48.61	27.82	145.95	316.70	-457.94	3,217.11	3,153.56	63.55	50.621			
7,150.00	6,535.12	6,549.03	6,548.35	48.87	28.01	134.85	316.36	-457.69	3,232.77	3,168.82	63.95	50.548			
7,200.00	6,580.53	6,592.24	6,591.55	49.09	28.19	124.65	316.00	-457.54	3,246.39	3,182.04	64.34	50.454			
7,250.00	6,625.36	6,640.94	6,640.25	49.27	28.40	115.80	315.55	-457.45	3,257.89	3,193.13	64.76	50.304			
7,300.00	6,669.35	6,690.10	6,689.41	49.42	28.60	108.42	314.99	-457.37	3,267.20	3,202.02	65.18	50.129			
7,350.00	6,712.21	6,727.20	6,726.51	49.55	28.76	102.34	314.56	-457.32	3,274.37	3,208.90	65.47	50.014			
7,400.00	6,753.69	6,760.32	6,759.62	49.65	28.90	97.44	314.26	-457.29	3,279.53	3,213.81	65.72	49.902			
7,450.00	6,793.52	6,792.06	6,791.37	49.73	29.04	93.57	314.05	-457.28	3,282.73	3,216.77	65.95	49.774			
7,500.00	6,831.47	6,824.38	6,823.68	49.81	29.17	90.59	313.91	-457.30	3,283.98	3,217.78	66.20	49.611			
7,550.00	6,867.30	6,855.63	6,854.94	49.88	29.31	88.34	313.81	-457.35	3,283.31	3,216.87	66.44	49.418			
7,600.00	6,900.78	6,884.90	6,884.20	49.95	29.43	86.70	313.75	-457.43	3,280.79	3,214.10	66.69	49.196			
7,650.00	6,931.72	6,913.05	6,912.36	50.03	29.55	85.58	313.71	-457.54	3,276.50	3,209.54	66.96	48.934			
7,700.00	6,959.92	6,939.98	6,939.28	50.11	29.67	84.92	313.68	-457.65	3,270.50	3,203.24	67.26	48.626			
7,750.00	6,985.20	6,964.15	6,963.46	50.20	29.77	84.63	313.66	-457.76	3,262.89	3,195.30	67.58	48.279			
7,800.00	7,007.41	6,985.43	6,984.74	50.30	29.86	84.67	313.66	-457.85	3,253.76	3,185.82	67.94	47.889			
7,850.00	7,026.42	7,004.52	7,003.83	50.42	29.94	85.01	313.66	-457.94	3,243.24	3,174.88	68.35	47.449			
7,900.00	7,042.11	7,023.06	7,022.36	50.57	30.02	85.65	313.65	-458.03	3,231.40	3,162.57	68.83	46.948			
7,950.00	7,054.37	7,037.58	7,036.89	50.73	30.08	86.50	313.63	-458.09	3,218.36	3,149.01	69.34	46.411			
8,000.00	7,063.14	7,048.02	7,047.32	50.92	30.13	87.54	313.62	-458.13	3,204.23	3,134.33	69.90	45.840			
8,050.00	7,068.36	7,054.31	7,053.61	51.13	30.15	88.75	313.60	-458.15	3,189.11	3,118.62	70.49	45.241			
8,094.17	7,070.00	7,056.39	7,055.70	51.34	30.16	89.95	313.60	-458.16	3,175.03	3,103.99	71.04	44.693			
8,100.00	7,070.03	7,056.45	7,055.75	51.37	30.16	89.95	313.60	-458.16	3,173.13	3,102.02	71.12	44.620			
8,200.00	7,070.55	7,057.48	7,056.78	51.94	30.17	89.97	313.60	-458.16	3,142.11	3,069.60	72.51	43.335			
8,300.00	7,071.07	7,058.50	7,057.80	52.64	30.17	89.99	313.59	-458.17	3,113.99	3,039.88	74.11	42.018			
8,400.00	7,071.60	7,059.52	7,058.82	53.49	30.18	90.01	313.59	-458.17	3,088.85	3,012.94	75.91	40.691			
8,500.00	7,072.12	7,060.53	7,059.83	54.50	30.18	90.03	313.59	-458.17	3,066.77	2,988.89	77.88	39.378			
8,600.00	7,072.64	7,061.53	7,060.84	55.69	30.18	90.05	313.59	-458.18	3,047.81	2,967.81	80.00	38.096			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,062.54	7,061.84	57.04	30.19	90.07	313.59	-458.18	3,032.03	2,949.78	82.25	36.861		
8,800.00	7,073.69	7,063.53	7,062.83	58.55	30.19	90.08	313.58	-458.18	3,019.49	2,934.87	84.61	35.687		
8,900.00	7,074.21	7,064.53	7,063.83	60.21	30.20	90.10	313.58	-458.19	3,010.21	2,923.16	87.05	34.581		
9,000.00	7,074.74	7,065.52	7,064.82	61.99	30.20	90.12	313.58	-458.19	3,004.23	2,914.69	89.55	33.550		
9,100.00	7,075.26	7,066.50	7,065.80	63.88	30.21	90.14	313.58	-458.20	3,001.58	2,909.50	92.08	32.597		
9,129.70	7,075.41	7,066.79	7,066.09	64.47	30.21	90.15	313.57	-458.20	3,001.43	2,908.59	92.85	32.327		
9,200.00	7,075.78	7,067.48	7,066.78	65.87	30.21	90.16	313.57	-458.20	3,002.26	2,907.62	94.64	31.723		
9,300.00	7,076.30	7,068.45	7,067.76	67.95	30.21	90.18	313.57	-458.20	3,006.26	2,909.07	97.20	30.930		
9,400.00	7,076.83	7,069.43	7,068.73	70.09	30.22	90.20	313.57	-458.21	3,013.58	2,913.84	99.74	30.215		
9,500.00	7,077.35	7,070.39	7,069.69	72.30	30.22	90.22	313.57	-458.21	3,024.19	2,921.94	102.25	29.577		
9,600.00	7,077.87	7,071.35	7,070.66	74.57	30.23	90.23	313.56	-458.21	3,038.05	2,933.34	104.71	29.013		
9,700.00	7,078.40	7,072.31	7,071.61	76.88	30.23	90.25	313.56	-458.21	3,055.13	2,948.01	107.12	28.520		
9,800.00	7,078.92	7,073.27	7,072.57	79.24	30.23	90.27	313.56	-458.22	3,075.36	2,965.90	109.46	28.095		
9,900.00	7,079.44	7,074.22	7,073.52	81.63	30.24	90.29	313.55	-458.22	3,098.70	2,986.96	111.73	27.733		
10,000.00	7,079.97	7,075.16	7,074.46	84.06	30.24	90.31	313.55	-458.22	3,125.05	3,011.14	113.92	27.432		
10,100.00	7,080.49	7,076.10	7,075.40	86.52	30.25	90.32	313.55	-458.23	3,154.36	3,038.35	116.02	27.189		
10,200.00	7,081.01	7,077.04	7,076.34	89.01	30.25	90.34	313.55	-458.23	3,186.54	3,068.52	118.03	26.999		
10,300.00	7,081.54	7,077.97	7,077.27	91.52	30.25	90.36	313.54	-458.23	3,221.51	3,101.57	119.94	26.859		
10,400.00	7,082.06	7,078.90	7,078.20	94.05	30.26	90.38	313.54	-458.24	3,259.16	3,137.40	121.76	26.767		
10,500.00	7,082.58	7,079.83	7,079.13	96.61	30.26	90.40	313.54	-458.24	3,299.42	3,175.94	123.48	26.720		
10,600.00	7,083.10	7,080.75	7,080.05	99.18	30.27	90.41	313.54	-458.24	3,342.19	3,217.08	125.11	26.714 SF		
10,700.00	7,083.63	7,081.66	7,080.96	101.77	30.27	90.43	313.53	-458.24	3,387.37	3,260.72	126.64	26.747		
10,800.00	7,084.15	7,082.58	7,081.88	104.38	30.27	90.45	313.53	-458.25	3,434.86	3,306.78	128.09	26.817		
10,900.00	7,084.67	7,083.48	7,082.79	107.00	30.28	90.47	313.53	-458.25	3,484.58	3,355.14	129.44	26.921		
11,000.00	7,085.20	7,084.39	7,083.69	109.63	30.28	90.48	313.52	-458.25	3,536.43	3,405.73	130.70	27.057		
11,100.00	7,085.72	7,085.29	7,084.59	112.27	30.29	90.50	313.52	-458.26	3,590.32	3,458.43	131.89	27.223		
11,200.00	7,086.24	7,086.19	7,085.49	114.93	30.29	90.52	313.52	-458.26	3,646.15	3,513.16	132.99	27.417		
11,300.00	7,086.77	7,087.08	7,086.38	117.59	30.29	90.53	313.52	-458.26	3,703.84	3,569.82	134.02	27.637		
11,400.00	7,087.29	7,087.97	7,087.27	120.27	30.30	90.55	313.51	-458.26	3,763.30	3,628.33	134.97	27.882		
11,500.00	7,087.81	7,088.86	7,088.16	122.95	30.30	90.57	313.51	-458.27	3,824.46	3,688.60	135.86	28.151		
11,600.00	7,088.33	7,089.74	7,089.04	125.64	30.30	90.58	313.51	-458.27	3,887.22	3,750.55	136.68	28.441		
11,700.00	7,088.86	7,090.62	7,089.92	128.34	30.31	90.60	313.50	-458.27	3,951.52	3,814.08	137.44	28.751		
11,800.00	7,089.38	7,091.49	7,090.79	131.05	30.31	90.62	313.50	-458.27	4,017.28	3,879.14	138.14	29.081		
11,900.00	7,089.90	7,092.36	7,091.66	133.76	30.32	90.63	313.50	-458.28	4,084.43	3,945.64	138.79	29.429		
12,000.00	7,090.43	7,093.23	7,092.53	136.49	30.32	90.65	313.49	-458.28	4,152.90	4,013.51	139.39	29.794		
12,100.00	7,090.95	7,094.09	7,093.39	139.21	30.32	90.67	313.49	-458.28	4,222.63	4,082.69	139.94	30.175		
12,200.00	7,091.47	7,094.95	7,094.25	141.94	30.33	90.68	313.49	-458.28	4,293.55	4,153.11	140.45	30.571		
12,300.00	7,092.00	7,095.81	7,095.11	144.68	30.33	90.70	313.48	-458.29	4,365.62	4,224.70	140.91	30.981		
12,400.00	7,092.52	7,096.66	7,095.96	147.42	30.33	90.72	313.48	-458.29	4,438.77	4,297.42	141.34	31.404		
12,500.00	7,093.04	7,097.51	7,096.81	150.17	30.34	90.73	313.48	-458.29	4,512.94	4,371.21	141.74	31.841		
12,600.00	7,093.57	7,098.35	7,097.65	152.92	30.34	90.75	313.47	-458.29	4,588.10	4,446.00	142.10	32.289		
12,700.00	7,094.09	7,099.19	7,098.50	155.67	30.34	90.77	313.47	-458.30	4,664.19	4,521.76	142.43	32.748		
12,800.00	7,094.61	7,100.03	7,099.34	158.43	30.35	90.78	313.47	-458.30	4,741.17	4,598.44	142.73	33.218		
12,900.00	7,095.13	7,100.90	7,100.20	161.19	30.35	90.80	313.47	-458.30	4,818.99	4,675.99	143.00	33.699		
13,000.00	7,095.66	7,101.78	7,101.08	163.96	30.36	90.81	313.46	-458.30	4,897.62	4,754.37	143.25	34.188		
13,100.00	7,096.18	7,102.67	7,101.97	166.73	30.36	90.83	313.46	-458.31	4,977.02	4,833.53	143.48	34.687		
13,200.00	7,096.70	7,103.57	7,102.87	169.50	30.36	90.85	313.46	-458.31	5,057.14	4,913.45	143.69	35.195		
13,256.62	7,097.00	7,104.09	7,103.39	171.07	30.37	90.86	313.45	-458.31	5,102.82	4,959.02	143.80	35.485		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-116.71	-2,156.69	-4,286.44	4,798.45					
100.00	100.00	106.44	106.44	3.28	3.29	-116.71	-2,156.60	-4,286.23	4,798.24	4,791.67	6.57	730.020		
191.85	191.85	177.85	177.85	3.33	3.33	-116.71	-2,156.42	-4,286.18	4,798.07	4,791.42	6.66	720.859		
200.00	200.00	184.39	184.39	3.34	3.33	-116.71	-2,156.40	-4,286.19	4,798.07	4,791.41	6.67	719.657		
300.00	300.00	317.76	317.76	3.44	3.47	-116.70	-2,155.49	-4,286.30	4,797.87	4,790.95	6.92	693.341		
400.00	399.98	417.31	417.30	3.60	3.64	89.85	-2,154.86	-4,285.83	4,797.15	4,789.92	7.23	663.180		
500.00	499.84	485.29	485.28	3.79	3.77	89.90	-2,154.70	-4,285.66	4,796.82	4,789.27	7.56	634.732		
500.07	499.91	485.34	485.33	3.79	3.77	89.90	-2,154.70	-4,285.66	4,796.82	4,789.26	7.56	634.710		
600.00	599.45	585.68	585.67	4.02	4.00	90.01	-2,154.47	-4,285.87	4,796.89	4,788.87	8.02	598.280		
700.00	698.70	723.09	723.07	4.29	4.37	90.23	-2,153.39	-4,285.74	4,796.47	4,787.82	8.65	554.385		
800.00	797.47	819.32	819.31	4.59	4.65	90.42	-2,152.84	-4,285.13	4,795.73	4,786.49	9.24	518.999		
900.00	895.62	897.41	897.39	4.93	4.89	90.61	-2,152.71	-4,284.73	4,795.36	4,785.54	9.82	488.139		
919.81	914.99	912.64	912.62	5.01	4.94	90.65	-2,152.71	-4,284.68	4,795.35	4,785.41	9.94	482.205		
1,000.00	993.06	973.81	973.79	5.31	5.14	90.81	-2,152.72	-4,284.63	4,795.54	4,785.09	10.44	459.129		
1,100.00	1,089.64	1,061.34	1,061.32	5.72	5.43	91.07	-2,152.62	-4,284.92	4,796.23	4,785.08	11.15	430.326		
1,200.00	1,185.27	1,181.44	1,181.42	6.16	5.85	91.48	-2,151.99	-4,285.40	4,797.07	4,785.06	12.01	399.576		
1,300.00	1,279.82	1,276.58	1,276.56	6.64	6.19	91.84	-2,151.50	-4,285.34	4,797.78	4,784.96	12.82	374.100		
1,400.00	1,373.17	1,360.51	1,360.49	7.16	6.50	92.18	-2,151.49	-4,285.21	4,798.99	4,785.34	13.65	351.638		
1,500.00	1,465.21	1,437.26	1,437.24	7.71	6.78	92.50	-2,151.70	-4,285.21	4,800.84	4,786.35	14.49	331.398		
1,600.00	1,555.84	1,509.48	1,509.46	8.31	7.05	92.80	-2,151.95	-4,285.49	4,803.54	4,788.19	15.35	312.884		
1,613.50	1,567.96	1,520.30	1,520.27	8.39	7.09	92.85	-2,151.99	-4,285.55	4,803.97	4,788.49	15.48	310.412		
1,700.00	1,645.53	1,589.48	1,589.45	8.93	7.35	93.22	-2,152.28	-4,286.02	4,806.99	4,790.70	16.28	295.204		
1,800.00	1,735.20	1,669.17	1,669.14	9.58	7.66	93.63	-2,152.74	-4,286.68	4,811.02	4,793.79	17.24	279.118		
1,900.00	1,824.87	1,748.69	1,748.66	10.25	7.97	94.05	-2,153.44	-4,287.41	4,815.65	4,797.44	18.21	264.510		
2,000.00	1,914.54	1,852.01	1,851.96	10.92	8.37	94.59	-2,154.26	-4,288.52	4,820.79	4,801.50	19.28	249.981		
2,100.00	2,004.21	1,974.75	1,974.70	11.61	8.86	95.23	-2,155.02	-4,289.03	4,825.67	4,805.22	20.46	235.915		
2,200.00	2,093.89	2,108.07	2,108.02	12.30	9.39	95.92	-2,155.42	-4,288.74	4,830.36	4,808.68	21.68	222.803		
2,300.00	2,183.56	2,197.29	2,197.24	13.01	9.75	96.38	-2,155.39	-4,288.23	4,835.02	4,812.29	22.74	212.665		
2,400.00	2,273.23	2,273.14	2,273.08	13.71	10.05	96.77	-2,155.73	-4,287.77	4,840.19	4,816.45	23.74	203.857		
2,500.00	2,362.90	2,338.29	2,338.23	14.43	10.32	97.10	-2,156.39	-4,287.48	4,846.07	4,821.36	24.71	196.110		
2,600.00	2,452.57	2,400.00	2,399.94	15.14	10.57	97.42	-2,157.07	-4,287.61	4,852.89	4,827.22	25.67	189.068		
2,700.00	2,542.25	2,483.08	2,483.01	15.87	10.90	97.84	-2,157.89	-4,288.14	4,860.42	4,833.70	26.72	181.928		
2,800.00	2,631.92	2,591.42	2,591.35	16.59	11.35	98.40	-2,158.75	-4,288.75	4,868.23	4,840.35	27.88	174.643		
2,900.00	2,721.59	2,689.48	2,689.40	17.32	11.75	98.90	-2,159.58	-4,288.96	4,876.13	4,847.13	28.99	168.178		
3,000.00	2,811.26	2,779.18	2,779.10	18.05	12.12	99.35	-2,160.46	-4,289.04	4,884.34	4,854.26	30.08	162.383		
3,100.00	2,900.93	2,847.40	2,847.31	18.78	12.40	99.69	-2,161.26	-4,289.19	4,893.08	4,862.01	31.07	157.471		
3,200.00	2,990.60	2,918.76	2,918.67	19.51	12.69	100.05	-2,162.04	-4,289.79	4,902.69	4,870.61	32.08	152.827		
3,300.00	3,080.28	3,040.00	3,039.90	20.25	13.19	100.66	-2,162.82	-4,290.63	4,912.45	4,879.14	33.31	147.493		
3,400.00	3,169.95	3,133.02	3,132.91	20.99	13.58	101.13	-2,163.49	-4,290.84	4,922.20	4,887.79	34.41	143.046		
3,500.00	3,259.62	3,204.45	3,204.34	21.73	13.88	101.49	-2,164.31	-4,291.12	4,932.56	4,897.14	35.42	139.266		
3,600.00	3,349.29	3,276.68	3,276.56	22.47	14.18	101.84	-2,165.26	-4,291.65	4,943.61	4,907.18	36.43	135.705		
3,700.00	3,438.96	3,389.75	3,389.63	23.21	14.65	102.40	-2,166.35	-4,292.63	4,955.09	4,917.46	37.62	131.704		
3,800.00	3,528.64	3,483.71	3,483.58	23.95	15.04	102.87	-2,166.75	-4,293.16	4,966.53	4,927.80	38.73	128.234		
3,900.00	3,618.31	3,574.41	3,574.28	24.69	15.42	103.33	-2,167.08	-4,293.66	4,978.33	4,938.50	39.82	125.013		
4,000.00	3,707.98	3,665.07	3,664.94	25.44	15.80	103.77	-2,167.35	-4,294.15	4,990.47	4,949.55	40.91	121.976		
4,100.00	3,797.65	3,755.69	3,755.56	26.18	16.18	104.22	-2,167.58	-4,294.63	5,002.95	4,960.95	42.00	119.107		
4,200.00	3,887.32	3,846.27	3,846.14	26.93	16.56	104.67	-2,167.76	-4,295.11	5,015.78	4,972.69	43.09	116.396		
4,300.00	3,976.99	3,936.81	3,936.67	27.68	16.94	105.12	-2,167.88	-4,295.58	5,028.95	4,984.77	44.18	113.829		
4,400.00	4,066.67	4,027.31	4,027.17	28.42	17.32	105.56	-2,167.96	-4,296.04	5,042.46	4,997.19	45.27	111.398		
4,500.00	4,156.34	4,117.77	4,117.63	29.17	17.70	106.00	-2,167.98	-4,296.49	5,056.30	5,009.95	46.35	109.091		
4,600.00	4,246.01	4,208.60	4,208.46	29.92	18.08	106.44	-2,167.96	-4,296.93	5,070.49	5,023.05	47.43	106.897		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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			
4,700.00	4,335.68	4,303.42	4,303.27	30.67	18.48	106.90	-2,167.70	-4,297.36	5,084.96	5,036.43	48.53	104.770			
4,800.00	4,425.35	4,393.18	4,393.03	31.42	18.86	107.34	-2,167.17	-4,297.76	5,099.74	5,050.13	49.61	102.798			
4,900.00	4,515.03	4,480.07	4,479.92	32.17	19.22	107.77	-2,166.51	-4,298.18	5,114.88	5,064.21	50.67	100.948			
5,000.00	4,604.70	4,566.76	4,566.60	32.92	19.50	108.09	-2,165.99	-4,298.62	5,130.56	5,078.93	51.63	99.374			
5,100.00	4,694.37	4,613.08	4,612.92	33.67	19.78	108.41	-2,165.39	-4,299.45	5,147.06	5,094.47	52.58	97.885			
5,200.00	4,784.04	4,719.26	4,719.09	34.42	20.23	108.93	-2,164.35	-4,300.76	5,163.89	5,110.17	53.73	96.111			
5,300.00	4,873.71	4,824.38	4,824.20	35.17	20.68	109.43	-2,163.28	-4,301.80	5,180.87	5,126.00	54.87	94.425			
5,400.00	4,963.38	4,942.80	4,942.61	35.92	21.18	109.98	-2,163.42	-4,302.13	5,197.59	5,141.52	56.07	92.698			
5,500.00	5,053.06	5,023.27	5,023.08	36.67	21.52	110.35	-2,164.16	-4,302.23	5,214.57	5,157.49	57.09	91.346			
5,600.00	5,142.73	5,093.92	5,093.73	37.43	21.81	110.67	-2,164.82	-4,302.53	5,232.14	5,174.09	58.05	90.131			
5,700.00	5,232.40	5,176.00	5,175.81	38.18	22.16	111.04	-2,165.34	-4,303.12	5,250.26	5,191.19	59.07	88.883			
5,800.00	5,322.07	5,261.44	5,261.24	38.93	22.52	111.43	-2,165.61	-4,303.84	5,268.78	5,208.68	60.10	87.665			
5,900.00	5,411.74	5,394.50	5,394.30	39.68	23.09	112.03	-2,166.22	-4,304.62	5,287.45	5,226.07	61.37	86.156			
6,000.00	5,501.42	5,494.70	5,494.49	40.44	23.51	112.47	-2,167.22	-4,304.54	5,305.76	5,243.29	62.47	84.928			
6,100.00	5,591.09	5,599.73	5,599.51	41.19	23.96	112.92	-2,168.93	-4,304.20	5,324.18	5,260.58	63.60	83.715			
6,200.00	5,680.76	5,675.05	5,674.81	41.94	24.28	113.25	-2,170.03	-4,303.96	5,342.87	5,278.29	64.57	82.741			
6,300.00	5,770.43	5,740.41	5,740.17	42.70	24.55	113.53	-2,170.91	-4,303.97	5,362.15	5,296.66	65.49	81.874			
6,400.00	5,860.10	5,801.21	5,800.96	43.45	24.81	113.79	-2,171.79	-4,304.32	5,382.19	5,315.81	66.38	81.076			
6,500.00	5,949.77	5,886.46	5,886.20	44.20	25.17	114.15	-2,172.77	-4,305.07	5,402.79	5,335.40	67.40	80.161			
6,600.00	6,039.45	5,991.16	5,990.90	44.96	25.62	114.61	-2,173.18	-4,305.91	5,423.61	5,355.10	68.51	79.162			
6,700.00	6,129.12	6,116.56	6,116.30	45.71	26.15	115.15	-2,173.12	-4,306.28	5,444.26	5,374.52	69.73	78.075			
6,800.00	6,218.79	6,217.59	6,217.33	46.46	26.58	115.58	-2,173.30	-4,306.14	5,464.79	5,393.97	70.82	77.165			
6,900.00	6,308.46	6,308.00	6,307.73	47.22	26.96	115.96	-2,173.70	-4,305.94	5,485.52	5,413.67	71.85	76.345			
6,969.86	6,371.11	6,370.77	6,370.51	47.75	27.23	116.22	-2,174.03	-4,305.80	5,500.16	5,427.59	72.57	75.792			
7,000.00	6,398.25	6,397.99	6,397.73	47.97	27.34	111.10	-2,174.17	-4,305.74	5,505.82	5,432.95	72.87	75.552			
7,050.00	6,443.70	6,443.56	6,443.29	48.31	27.54	101.78	-2,174.42	-4,305.63	5,512.16	5,438.79	73.37	75.131			
7,100.00	6,489.42	6,489.38	6,489.12	48.61	27.73	91.84	-2,174.66	-4,305.53	5,514.65	5,440.82	73.83	74.689			
7,150.00	6,535.12	6,535.19	6,534.92	48.87	27.92	81.96	-2,174.90	-4,305.43	5,513.30	5,439.03	74.27	74.234			
7,200.00	6,580.53	6,580.69	6,580.42	49.09	28.12	72.76	-2,175.14	-4,305.33	5,508.11	5,433.44	74.67	73.770			
7,250.00	6,625.36	6,625.60	6,625.34	49.27	28.31	64.68	-2,175.38	-4,305.23	5,499.11	5,424.09	75.02	73.300			
7,300.00	6,669.35	6,669.66	6,669.39	49.42	28.50	57.86	-2,175.62	-4,305.13	5,486.35	5,411.02	75.33	72.827			
7,350.00	6,712.21	6,712.58	6,712.31	49.55	28.68	52.27	-2,175.84	-4,305.03	5,469.92	5,394.32	75.61	72.349			
7,400.00	6,753.69	6,754.11	6,753.84	49.65	28.86	47.75	-2,176.07	-4,304.94	5,449.92	5,374.08	75.84	71.864			
7,450.00	6,793.52	6,793.98	6,793.71	49.73	29.02	44.16	-2,176.28	-4,304.85	5,426.45	5,350.42	76.03	71.371			
7,500.00	6,831.47	6,831.95	6,831.68	49.81	29.19	41.33	-2,176.48	-4,304.77	5,399.66	5,323.47	76.19	70.868			
7,550.00	6,867.30	6,867.79	6,867.52	49.88	29.34	39.15	-2,176.67	-4,304.69	5,369.71	5,293.39	76.32	70.355			
7,600.00	6,900.78	6,901.28	6,901.00	49.95	29.48	37.53	-2,176.85	-4,304.61	5,336.79	5,260.36	76.43	69.829			
7,650.00	6,931.72	6,932.20	6,931.93	50.03	29.61	36.41	-2,177.01	-4,304.54	5,301.08	5,224.57	76.50	69.291			
7,700.00	6,959.92	6,960.37	6,960.10	50.11	29.73	35.77	-2,177.16	-4,304.48	5,262.79	5,186.23	76.56	68.739			
7,750.00	6,985.20	6,985.62	6,985.35	50.20	29.84	35.63	-2,177.29	-4,304.42	5,222.16	5,145.56	76.60	68.173			
7,800.00	7,007.41	7,007.79	7,007.52	50.30	29.93	36.04	-2,177.41	-4,304.37	5,179.43	5,102.80	76.63	67.594			
7,850.00	7,026.42	7,026.74	7,026.47	50.42	30.01	37.13	-2,177.51	-4,304.33	5,134.85	5,058.21	76.64	67.003			
7,900.00	7,042.11	7,042.36	7,042.08	50.57	30.08	39.21	-2,177.60	-4,304.30	5,088.69	5,012.05	76.64	66.400			
7,950.00	7,054.37	7,054.54	7,054.27	50.73	30.13	42.87	-2,177.66	-4,304.27	5,041.22	4,964.59	76.63	65.786			
8,000.00	7,063.14	7,063.22	7,062.94	50.92	30.17	49.54	-2,177.71	-4,304.25	4,992.74	4,916.12	76.62	65.165			
8,050.00	7,068.36	7,068.34	7,068.06	51.13	30.19	63.07	-2,177.73	-4,304.24	4,943.53	4,866.93	76.60	64.538			
8,094.17	7,070.00	7,069.88	7,069.60	51.34	30.20	88.63	-2,177.74	-4,304.24	4,899.68	4,823.10	76.58	63.981			
8,100.00	7,070.03	7,069.89	7,069.62	51.37	30.20	88.64	-2,177.74	-4,304.24	4,893.88	4,817.31	76.58	63.907			
8,200.00	7,070.55	7,070.19	7,069.92	51.94	30.20	88.67	-2,177.74	-4,304.24	4,794.42	4,717.88	76.53	62.644			
8,300.00	7,071.07	7,070.49	7,070.22	52.64	30.20	88.70	-2,177.75	-4,304.23	4,694.97	4,618.48	76.49	61.379			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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			
8,400.00	7,071.60	7,070.79	7,070.51	53.49	30.20	88.74	-2,177.75	-4,304.23	4,595.55	4,519.10	76.45	60.112			
8,500.00	7,072.12	7,071.09	7,070.81	54.50	30.20	88.77	-2,177.75	-4,304.23	4,496.15	4,419.74	76.41	58.842			
8,600.00	7,072.64	7,071.39	7,071.11	55.69	30.20	88.81	-2,177.75	-4,304.23	4,396.79	4,320.41	76.37	57.570			
8,700.00	7,073.17	7,071.68	7,071.41	57.04	30.21	88.84	-2,177.75	-4,304.23	4,297.45	4,221.11	76.34	56.295			
8,800.00	7,073.69	7,071.98	7,071.71	58.55	30.21	88.88	-2,177.75	-4,304.23	4,198.14	4,121.83	76.31	55.017			
8,900.00	7,074.21	7,072.28	7,072.00	60.21	30.21	88.91	-2,177.75	-4,304.23	4,098.87	4,022.59	76.28	53.736			
9,000.00	7,074.74	7,072.58	7,072.30	61.99	30.21	88.94	-2,177.76	-4,304.23	3,999.63	3,923.37	76.25	52.452			
9,100.00	7,075.26	7,072.88	7,072.60	63.88	30.21	88.98	-2,177.76	-4,304.23	3,900.43	3,824.19	76.23	51.164			
9,200.00	7,075.78	7,073.17	7,072.90	65.87	30.21	89.01	-2,177.76	-4,304.23	3,801.27	3,725.05	76.22	49.873			
9,300.00	7,076.30	7,073.47	7,073.20	67.95	30.21	89.05	-2,177.76	-4,304.23	3,702.16	3,625.95	76.21	48.578			
9,400.00	7,076.83	7,073.77	7,073.50	70.09	30.21	89.08	-2,177.76	-4,304.23	3,603.10	3,526.89	76.21	47.279			
9,500.00	7,077.35	7,074.07	7,073.79	72.30	30.22	89.12	-2,177.76	-4,304.23	3,504.09	3,427.87	76.22	45.975			
9,600.00	7,077.87	7,074.37	7,074.09	74.57	30.22	89.15	-2,177.77	-4,304.23	3,405.14	3,328.90	76.23	44.667			
9,700.00	7,078.40	7,074.67	7,074.39	76.88	30.22	89.18	-2,177.77	-4,304.23	3,306.25	3,229.98	76.26	43.353			
9,800.00	7,078.92	7,074.96	7,074.69	79.24	30.22	89.22	-2,177.77	-4,304.22	3,207.43	3,131.12	76.30	42.034			
9,900.00	7,079.44	7,075.26	7,074.99	81.63	30.22	89.25	-2,177.77	-4,304.22	3,108.68	3,032.32	76.36	40.709			
10,000.00	7,079.97	7,075.56	7,075.29	84.06	30.22	89.29	-2,177.77	-4,304.22	3,010.02	2,933.58	76.44	39.378			
10,100.00	7,080.49	7,075.86	7,075.58	86.52	30.22	89.32	-2,177.77	-4,304.22	2,911.45	2,834.92	76.54	38.040			
10,200.00	7,081.01	7,076.16	7,075.88	89.01	30.22	89.36	-2,177.78	-4,304.22	2,812.98	2,736.32	76.66	36.694			
10,300.00	7,081.54	7,076.46	7,076.18	91.52	30.23	89.39	-2,177.78	-4,304.22	2,714.63	2,637.81	76.81	35.340			
10,400.00	7,082.06	7,076.75	7,076.48	94.05	30.23	89.42	-2,177.78	-4,304.22	2,616.39	2,539.39	77.00	33.978			
10,500.00	7,082.58	7,077.05	7,076.78	96.61	30.23	89.46	-2,177.78	-4,304.22	2,518.30	2,441.07	77.23	32.606			
10,600.00	7,083.10	7,077.35	7,077.07	99.18	30.23	89.49	-2,177.78	-4,304.22	2,420.36	2,342.85	77.52	31.224			
10,700.00	7,083.63	7,077.65	7,077.37	101.77	30.23	89.53	-2,177.78	-4,304.22	2,322.60	2,244.74	77.86	29.831			
10,800.00	7,084.15	7,077.95	7,077.67	104.38	30.23	89.56	-2,177.78	-4,304.22	2,225.04	2,146.76	78.27	28.426			
10,900.00	7,084.67	7,078.24	7,077.97	107.00	30.23	89.60	-2,177.79	-4,304.22	2,127.70	2,048.93	78.78	27.009			
11,000.00	7,085.20	7,078.54	7,078.27	109.63	30.23	89.63	-2,177.79	-4,304.22	2,030.63	1,951.24	79.38	25.580			
11,100.00	7,085.72	7,078.84	7,078.57	112.27	30.24	89.66	-2,177.79	-4,304.22	1,933.85	1,853.73	80.11	24.139			
11,200.00	7,086.24	7,079.14	7,078.86	114.93	30.24	89.70	-2,177.79	-4,304.22	1,837.41	1,756.41	81.00	22.685			
11,300.00	7,086.77	7,079.44	7,079.16	117.59	30.24	89.73	-2,177.79	-4,304.21	1,741.38	1,659.31	82.07	21.219			
11,400.00	7,087.29	7,079.74	7,079.46	120.27	30.24	89.77	-2,177.79	-4,304.21	1,645.82	1,562.45	83.36	19.743			
11,500.00	7,087.81	7,080.03	7,079.76	122.95	30.24	89.80	-2,177.80	-4,304.21	1,550.82	1,465.88	84.94	18.259			
11,600.00	7,088.33	7,080.33	7,080.06	125.64	30.24	89.84	-2,177.80	-4,304.21	1,456.49	1,369.64	86.84	16.771			
11,700.00	7,088.86	7,080.63	7,080.35	128.34	30.24	89.87	-2,177.80	-4,304.21	1,362.96	1,273.79	89.17	15.285			
11,800.00	7,089.38	7,080.93	7,080.65	131.05	30.24	89.90	-2,177.80	-4,304.21	1,270.43	1,178.43	92.00	13.809			
11,900.00	7,089.90	7,081.23	7,080.95	133.76	30.25	89.94	-2,177.80	-4,304.21	1,179.11	1,083.65	95.46	12.351			
12,000.00	7,090.43	7,081.52	7,081.25	136.49	30.25	89.97	-2,177.80	-4,304.21	1,089.32	989.63	99.70	10.926			
12,100.00	7,090.95	7,081.82	7,081.55	139.21	30.25	90.01	-2,177.81	-4,304.21	1,001.47	896.60	104.87	9.549			
12,200.00	7,091.47	7,082.12	7,081.85	141.94	30.25	90.04	-2,177.81	-4,304.21	916.11	804.91	111.20	8.238			
12,300.00	7,092.00	7,082.42	7,082.14	144.68	30.25	90.07	-2,177.81	-4,304.21	834.01	715.11	118.90	7.014			
12,400.00	7,092.52	7,082.72	7,082.44	147.42	30.25	90.11	-2,177.81	-4,304.21	756.23	628.04	128.19	5.899			
12,500.00	7,093.04	7,083.02	7,082.74	150.17	30.25	90.14	-2,177.81	-4,304.21	684.26	545.05	139.21	4.915			
12,600.00	7,093.57	7,083.31	7,083.04	152.92	30.25	90.18	-2,177.81	-4,304.21	620.10	468.27	151.83	4.084			
12,700.00	7,094.09	7,083.61	7,083.34	155.67	30.26	90.21	-2,177.81	-4,304.21	566.43	401.00	165.42	3.424			
12,800.00	7,094.61	7,083.91	7,083.64	158.43	30.26	90.25	-2,177.82	-4,304.20	526.46	347.92	178.53	2.949			
12,900.00	7,095.13	7,084.21	7,083.93	161.19	30.26	90.28	-2,177.82	-4,304.20	503.46	314.57	188.89	2.665			
12,968.42	7,095.49	7,084.41	7,084.14	163.09	30.26	90.30	-2,177.82	-4,304.20	498.79	305.60	193.19	2.582 CC			
13,000.00	7,095.66	7,084.51	7,084.23	163.96	30.26	90.31	-2,177.82	-4,304.20	499.79	305.54	194.25	2.573 ES, SF			
13,100.00	7,096.18	7,084.81	7,084.53	166.73	30.26	90.35	-2,177.82	-4,304.20	515.85	322.13	193.72	2.663			
13,200.00	7,096.70	7,085.10	7,084.83	169.50	30.26	90.38	-2,177.82	-4,304.20	549.93	361.59	188.34	2.920			
13,256.62	7,097.00	7,085.27	7,085.00	171.07	30.26	90.40	-2,177.82	-4,304.20	576.06	392.15	183.91	3.132			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,000.00	7,079.97	11,976.00	7,279.28	84.06	107.53	95.94	-1,178.47	-11,168.31	9,947.93	9,799.83	148.10	67.171		
10,100.00	7,080.49	11,976.00	7,279.28	86.52	107.53	95.94	-1,178.47	-11,168.31	9,849.06	9,700.94	148.12	66.493		
10,200.00	7,081.01	11,976.00	7,279.28	89.01	107.53	95.94	-1,178.47	-11,168.31	9,750.22	9,602.06	148.15	65.812		
10,300.00	7,081.54	11,976.00	7,279.28	91.52	107.53	95.94	-1,178.47	-11,168.31	9,651.40	9,503.21	148.19	65.129		
10,400.00	7,082.06	11,976.00	7,279.28	94.05	107.53	95.94	-1,178.47	-11,168.31	9,552.60	9,404.37	148.24	64.442		
10,500.00	7,082.58	11,976.00	7,279.28	96.61	107.53	95.94	-1,178.47	-11,168.31	9,453.83	9,305.54	148.29	63.753		
10,600.00	7,083.10	11,976.00	7,279.28	99.18	107.53	95.94	-1,178.47	-11,168.31	9,355.09	9,206.74	148.35	63.060		
10,700.00	7,083.63	11,976.00	7,279.28	101.77	107.53	95.94	-1,178.47	-11,168.31	9,256.37	9,107.95	148.42	62.365		
10,800.00	7,084.15	11,976.00	7,279.28	104.38	107.53	95.94	-1,178.47	-11,168.31	9,157.68	9,009.18	148.50	61.667		
10,900.00	7,084.67	11,976.00	7,279.28	107.00	107.53	95.94	-1,178.47	-11,168.31	9,059.02	8,910.43	148.59	60.965		
11,000.00	7,085.20	11,976.00	7,279.28	109.63	107.53	95.94	-1,178.47	-11,168.31	8,960.39	8,811.70	148.69	60.260		
11,100.00	7,085.72	11,976.00	7,279.28	112.27	107.53	95.94	-1,178.47	-11,168.31	8,861.79	8,712.99	148.81	59.553		
11,200.00	7,086.24	11,976.00	7,279.28	114.93	107.53	95.94	-1,178.47	-11,168.31	8,763.22	8,614.29	148.93	58.841		
11,300.00	7,086.77	11,976.00	7,279.28	117.59	107.53	95.94	-1,178.47	-11,168.31	8,664.69	8,515.62	149.06	58.127		
11,400.00	7,087.29	11,976.00	7,279.28	120.27	107.53	95.94	-1,178.47	-11,168.31	8,566.19	8,416.98	149.21	57.410		
11,500.00	7,087.81	11,976.00	7,279.28	122.95	107.53	95.94	-1,178.47	-11,168.31	8,467.72	8,318.35	149.37	56.689		
11,600.00	7,088.33	11,976.00	7,279.28	125.64	107.53	95.94	-1,178.47	-11,168.31	8,369.29	8,219.75	149.55	55.965		
11,700.00	7,088.86	11,976.00	7,279.28	128.34	107.53	95.94	-1,178.47	-11,168.31	8,270.90	8,121.17	149.73	55.237		
11,800.00	7,089.38	11,976.00	7,279.28	131.05	107.53	95.94	-1,178.47	-11,168.31	8,172.55	8,022.61	149.94	54.506		
11,900.00	7,089.90	11,976.00	7,279.28	133.76	107.53	95.94	-1,178.47	-11,168.31	8,074.23	7,924.08	150.16	53.772		
12,000.00	7,090.43	11,976.00	7,279.28	136.49	107.53	95.94	-1,178.47	-11,168.31	7,975.96	7,825.57	150.39	53.034		
12,100.00	7,090.95	11,976.00	7,279.28	139.21	107.53	95.94	-1,178.47	-11,168.31	7,877.74	7,727.09	150.64	52.293		
12,200.00	7,091.47	11,976.00	7,279.28	141.94	107.53	95.94	-1,178.47	-11,168.31	7,779.55	7,628.64	150.92	51.549		
12,300.00	7,092.00	11,976.00	7,279.28	144.68	107.53	95.94	-1,178.47	-11,168.31	7,681.42	7,530.22	151.20	50.801		
12,400.00	7,092.52	11,976.00	7,279.28	147.42	107.53	95.94	-1,178.47	-11,168.31	7,583.33	7,431.82	151.51	50.050		
12,500.00	7,093.04	11,976.00	7,279.28	150.17	107.53	95.94	-1,178.47	-11,168.31	7,485.30	7,333.45	151.84	49.296		
12,600.00	7,093.57	11,976.00	7,279.28	152.92	107.53	95.94	-1,178.47	-11,168.31	7,387.32	7,235.12	152.19	48.539		
12,700.00	7,094.09	11,976.00	7,279.28	155.67	107.53	95.94	-1,178.47	-11,168.31	7,289.39	7,136.82	152.57	47.778		
12,800.00	7,094.61	11,976.00	7,279.28	158.43	107.53	95.94	-1,178.47	-11,168.31	7,191.52	7,038.55	152.97	47.014		
12,900.00	7,095.13	11,976.00	7,279.28	161.19	107.53	95.94	-1,178.47	-11,168.31	7,093.70	6,940.32	153.39	46.247		
13,000.00	7,095.66	11,976.00	7,279.28	163.96	107.53	95.94	-1,178.47	-11,168.31	6,995.95	6,842.12	153.83	45.477		
13,100.00	7,096.18	11,976.00	7,279.28	166.73	107.53	95.94	-1,178.47	-11,168.31	6,898.27	6,743.96	154.31	44.704		
13,200.00	7,096.70	11,976.00	7,279.28	169.50	107.53	95.94	-1,178.47	-11,168.31	6,800.65	6,645.84	154.81	43.929		
13,256.62	7,097.00	11,976.00	7,279.28	171.07	107.53	95.94	-1,178.47	-11,168.31	6,745.41	6,590.30	155.11	43.488	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
9,700.00	7,078.40	11,988.00	7,170.83	76.88	108.39	91.78	-1,144.25	-10,863.16	9,946.57	9,800.42	146.15	68.056		
9,800.00	7,078.92	11,988.00	7,170.83	79.24	108.39	91.78	-1,144.25	-10,863.16	9,847.75	9,701.61	146.15	67.383		
9,900.00	7,079.44	11,988.00	7,170.83	81.63	108.39	91.78	-1,144.25	-10,863.16	9,748.95	9,602.81	146.15	66.707		
10,000.00	7,079.97	11,988.00	7,170.83	84.06	108.39	91.78	-1,144.25	-10,863.16	9,650.18	9,504.02	146.15	66.027		
10,100.00	7,080.49	11,988.00	7,170.83	86.52	108.39	91.78	-1,144.25	-10,863.16	9,551.43	9,405.26	146.17	65.345		
10,200.00	7,081.01	11,988.00	7,170.83	89.01	108.39	91.78	-1,144.25	-10,863.16	9,452.71	9,306.51	146.19	64.660		
10,300.00	7,081.54	11,988.00	7,170.83	91.52	108.39	91.78	-1,144.25	-10,863.16	9,354.01	9,207.79	146.22	63.971		
10,400.00	7,082.06	11,988.00	7,170.83	94.05	108.39	91.78	-1,144.25	-10,863.16	9,255.34	9,109.08	146.26	63.280		
10,500.00	7,082.58	11,988.00	7,170.83	96.61	108.39	91.78	-1,144.25	-10,863.16	9,156.70	9,010.40	146.31	62.585		
10,600.00	7,083.10	11,988.00	7,170.83	99.18	108.39	91.78	-1,144.25	-10,863.16	9,058.10	8,911.73	146.37	61.886		
10,700.00	7,083.63	11,988.00	7,170.83	101.77	108.39	91.78	-1,144.25	-10,863.16	8,959.52	8,813.08	146.43	61.185		
10,800.00	7,084.15	11,988.00	7,170.83	104.38	108.39	91.78	-1,144.25	-10,863.16	8,860.97	8,714.46	146.51	60.480		
10,900.00	7,084.67	11,988.00	7,170.83	107.00	108.39	91.78	-1,144.25	-10,863.16	8,762.46	8,615.86	146.60	59.771		
11,000.00	7,085.20	11,988.00	7,170.83	109.63	108.39	91.78	-1,144.25	-10,863.16	8,663.98	8,517.28	146.70	59.059		
11,100.00	7,085.72	11,988.00	7,170.83	112.27	108.39	91.78	-1,144.25	-10,863.16	8,565.54	8,418.73	146.81	58.344		
11,200.00	7,086.24	11,988.00	7,170.83	114.93	108.39	91.78	-1,144.25	-10,863.16	8,467.13	8,320.19	146.94	57.625		
11,300.00	7,086.77	11,988.00	7,170.83	117.59	108.39	91.78	-1,144.25	-10,863.16	8,368.76	8,221.69	147.07	56.902		
11,400.00	7,087.29	11,988.00	7,170.83	120.27	108.39	91.78	-1,144.25	-10,863.16	8,270.43	8,123.21	147.22	56.176		
11,500.00	7,087.81	11,988.00	7,170.83	122.95	108.39	91.78	-1,144.25	-10,863.16	8,172.14	8,024.75	147.39	55.446		
11,600.00	7,088.33	11,988.00	7,170.83	125.64	108.39	91.78	-1,144.25	-10,863.16	8,073.89	7,926.32	147.57	54.712		
11,700.00	7,088.86	11,988.00	7,170.83	128.34	108.39	91.78	-1,144.25	-10,863.16	7,975.69	7,827.92	147.77	53.975		
11,800.00	7,089.38	11,988.00	7,170.83	131.05	108.39	91.78	-1,144.25	-10,863.16	7,877.53	7,729.55	147.98	53.234		
11,900.00	7,089.90	11,988.00	7,170.83	133.76	108.39	91.78	-1,144.25	-10,863.16	7,779.42	7,631.20	148.21	52.489		
12,000.00	7,090.43	11,988.00	7,170.83	136.49	108.39	91.78	-1,144.25	-10,863.16	7,681.35	7,532.89	148.46	51.740		
12,100.00	7,090.95	11,988.00	7,170.83	139.21	108.39	91.78	-1,144.25	-10,863.16	7,583.34	7,434.61	148.73	50.988		
12,200.00	7,091.47	11,988.00	7,170.83	141.94	108.39	91.78	-1,144.25	-10,863.16	7,485.38	7,336.36	149.02	50.232		
12,300.00	7,092.00	11,988.00	7,170.83	144.68	108.39	91.78	-1,144.25	-10,863.16	7,387.47	7,238.15	149.33	49.472		
12,400.00	7,092.52	11,988.00	7,170.83	147.42	108.39	91.78	-1,144.25	-10,863.16	7,289.62	7,139.97	149.66	48.709		
12,500.00	7,093.04	11,988.00	7,170.83	150.17	108.39	91.78	-1,144.25	-10,863.16	7,191.83	7,041.82	150.01	47.942		
12,600.00	7,093.57	11,988.00	7,170.83	152.92	108.39	91.78	-1,144.25	-10,863.16	7,094.11	6,943.71	150.39	47.171		
12,700.00	7,094.09	11,988.00	7,170.83	155.67	108.39	91.78	-1,144.25	-10,863.16	6,996.44	6,845.65	150.79	46.397		
12,800.00	7,094.61	11,988.00	7,170.83	158.43	108.39	91.78	-1,144.25	-10,863.16	6,898.84	6,747.62	151.22	45.620		
12,900.00	7,095.13	11,988.00	7,170.83	161.19	108.39	91.78	-1,144.25	-10,863.16	6,801.32	6,649.63	151.68	44.839		
13,000.00	7,095.66	11,988.00	7,170.83	163.96	108.39	91.78	-1,144.25	-10,863.16	6,703.86	6,551.69	152.17	44.055		
13,100.00	7,096.18	11,988.00	7,170.83	166.73	108.39	91.78	-1,144.25	-10,863.16	6,606.48	6,453.80	152.69	43.268		
13,200.00	7,096.70	11,988.00	7,170.83	169.50	108.39	91.78	-1,144.25	-10,863.16	6,509.19	6,355.95	153.23	42.479		
13,256.62	7,097.00	11,988.00	7,170.83	171.07	108.39	91.78	-1,144.25	-10,863.16	6,454.13	6,300.57	153.56	42.030 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Merritt 6-66-9-0857BH(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 726-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
10,000.00	7,079.97	11,790.00	7,095.39	84.06	106.81	88.87	-1,148.84	-11,130.84	9,913.34	9,766.63	146.71	67.571				
10,100.00	7,080.49	11,790.00	7,095.39	86.52	106.81	88.87	-1,148.84	-11,130.84	9,814.52	9,667.79	146.73	66.890				
10,200.00	7,081.01	11,790.00	7,095.39	89.01	106.81	88.87	-1,148.84	-11,130.84	9,715.72	9,568.97	146.75	66.206				
10,300.00	7,081.54	11,790.00	7,095.39	91.52	106.81	88.87	-1,148.84	-11,130.84	9,616.94	9,470.16	146.78	65.518				
10,400.00	7,082.06	11,790.00	7,095.39	94.05	106.81	88.87	-1,148.84	-11,130.84	9,518.19	9,371.37	146.82	64.828				
10,500.00	7,082.58	11,790.00	7,095.39	96.61	106.81	88.87	-1,148.84	-11,130.84	9,419.47	9,272.60	146.87	64.134				
10,600.00	7,083.10	11,790.00	7,095.39	99.18	106.81	88.87	-1,148.84	-11,130.84	9,320.77	9,173.85	146.93	63.438				
10,700.00	7,083.63	11,790.00	7,095.39	101.77	106.81	88.87	-1,148.84	-11,130.84	9,222.11	9,075.11	146.99	62.738				
10,800.00	7,084.15	11,790.00	7,095.39	104.38	106.81	88.87	-1,148.84	-11,130.84	9,123.47	8,976.40	147.07	62.035				
10,900.00	7,084.67	11,790.00	7,095.39	107.00	106.81	88.87	-1,148.84	-11,130.84	9,024.86	8,877.70	147.16	61.328				
11,000.00	7,085.20	11,790.00	7,095.39	109.63	106.81	88.87	-1,148.84	-11,130.84	8,926.28	8,779.03	147.25	60.619				
11,100.00	7,085.72	11,790.00	7,095.39	112.27	106.81	88.87	-1,148.84	-11,130.84	8,827.73	8,680.37	147.36	59.906				
11,200.00	7,086.24	11,790.00	7,095.39	114.93	106.81	88.87	-1,148.84	-11,130.84	8,729.22	8,581.74	147.48	59.189				
11,300.00	7,086.77	11,790.00	7,095.39	117.59	106.81	88.87	-1,148.84	-11,130.84	8,630.74	8,483.13	147.61	58.469				
11,400.00	7,087.29	11,790.00	7,095.39	120.27	106.81	88.87	-1,148.84	-11,130.84	8,532.30	8,384.54	147.76	57.745				
11,500.00	7,087.81	11,790.00	7,095.39	122.95	106.81	88.87	-1,148.84	-11,130.84	8,433.89	8,285.97	147.92	57.018				
11,600.00	7,088.33	11,790.00	7,095.39	125.64	106.81	88.87	-1,148.84	-11,130.84	8,335.52	8,187.43	148.09	56.288				
11,700.00	7,088.86	11,790.00	7,095.39	128.34	106.81	88.87	-1,148.84	-11,130.84	8,237.19	8,088.91	148.28	55.553				
11,800.00	7,089.38	11,790.00	7,095.39	131.05	106.81	88.87	-1,148.84	-11,130.84	8,138.90	7,990.42	148.48	54.816				
11,900.00	7,089.90	11,790.00	7,095.39	133.76	106.81	88.87	-1,148.84	-11,130.84	8,040.65	7,891.96	148.70	54.074				
12,000.00	7,090.43	11,790.00	7,095.39	136.49	106.81	88.87	-1,148.84	-11,130.84	7,942.45	7,793.52	148.93	53.329				
12,100.00	7,090.95	11,790.00	7,095.39	139.21	106.81	88.87	-1,148.84	-11,130.84	7,844.29	7,695.11	149.19	52.580				
12,200.00	7,091.47	11,790.00	7,095.39	141.94	106.81	88.87	-1,148.84	-11,130.84	7,746.18	7,596.72	149.46	51.828				
12,300.00	7,092.00	11,790.00	7,095.39	144.68	106.81	88.87	-1,148.84	-11,130.84	7,648.12	7,498.37	149.75	51.072				
12,400.00	7,092.52	11,790.00	7,095.39	147.42	106.81	88.87	-1,148.84	-11,130.84	7,550.11	7,400.05	150.06	50.313				
12,500.00	7,093.04	11,790.00	7,095.39	150.17	106.81	88.87	-1,148.84	-11,130.84	7,452.15	7,301.75	150.40	49.550				
12,600.00	7,093.57	11,790.00	7,095.39	152.92	106.81	88.87	-1,148.84	-11,130.84	7,354.25	7,203.50	150.75	48.784				
12,700.00	7,094.09	11,790.00	7,095.39	155.67	106.81	88.87	-1,148.84	-11,130.84	7,256.40	7,105.27	151.13	48.014				
12,800.00	7,094.61	11,790.00	7,095.39	158.43	106.81	88.87	-1,148.84	-11,130.84	7,158.62	7,007.08	151.53	47.241				
12,900.00	7,095.13	11,790.00	7,095.39	161.19	106.81	88.87	-1,148.84	-11,130.84	7,060.89	6,908.93	151.96	46.464				
13,000.00	7,095.66	11,790.00	7,095.39	163.96	106.81	88.87	-1,148.84	-11,130.84	6,963.23	6,810.81	152.42	45.685				
13,100.00	7,096.18	11,790.00	7,095.39	166.73	106.81	88.87	-1,148.84	-11,130.84	6,865.64	6,712.74	152.90	44.902				
13,200.00	7,096.70	11,790.00	7,095.39	169.50	106.81	88.87	-1,148.84	-11,130.84	6,768.12	6,614.70	153.42	44.116				
13,256.62	7,097.00	11,790.00	7,095.39	171.07	106.81	88.87	-1,148.84	-11,130.84	6,712.93	6,559.22	153.72	43.670	CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-141.69	-2,312.55	-1,826.73	2,947.07					
100.00	100.00	79.00	79.00	3.28	3.56	-141.69	-2,312.55	-1,826.73	2,947.00	2,940.16	6.84	430.672		
200.00	200.00	179.00	179.00	3.34	5.57	-141.69	-2,312.55	-1,826.73	2,947.00	2,938.09	8.91	330.815		
300.00	300.00	279.00	279.00	3.44	8.64	-141.69	-2,312.55	-1,826.73	2,947.00	2,934.91	12.09	243.836		
400.00	399.98	378.98	378.98	3.60	11.94	64.86	-2,312.55	-1,826.73	2,946.26	2,930.72	15.54	189.595		
500.00	499.84	478.84	478.84	3.79	15.33	64.99	-2,312.55	-1,826.73	2,944.04	2,924.93	19.11	154.042		
600.00	599.45	578.45	578.45	4.02	18.74	65.21	-2,312.55	-1,826.73	2,940.36	2,917.60	22.76	129.213		
700.00	698.70	677.70	677.70	4.29	22.16	65.52	-2,312.55	-1,826.73	2,935.24	2,908.80	26.45	110.992		
800.00	797.47	776.47	776.47	4.59	25.57	65.91	-2,312.55	-1,826.73	2,928.74	2,898.58	30.17	97.089		
900.00	895.62	874.62	874.62	4.93	28.97	66.40	-2,312.55	-1,826.73	2,920.91	2,887.01	33.91	86.150		
1,000.00	993.06	972.06	972.06	5.31	32.36	66.96	-2,312.55	-1,826.73	2,911.81	2,874.15	37.66	77.326		
1,100.00	1,089.64	1,068.64	1,068.64	5.72	35.71	67.61	-2,312.55	-1,826.73	2,901.51	2,860.10	41.41	70.063		
1,200.00	1,185.27	1,164.27	1,164.27	6.16	39.04	68.34	-2,312.55	-1,826.73	2,890.12	2,844.95	45.17	63.981		
1,300.00	1,279.82	1,258.82	1,258.82	6.64	42.33	69.14	-2,312.55	-1,826.73	2,877.73	2,828.80	48.93	58.816		
1,400.00	1,373.17	1,352.17	1,352.17	7.16	45.58	70.03	-2,312.55	-1,826.73	2,864.46	2,811.78	52.68	54.375		
1,500.00	1,465.21	1,444.21	1,444.21	7.71	48.78	70.98	-2,312.55	-1,826.73	2,850.43	2,794.01	56.42	50.518		
1,600.00	1,555.84	1,534.84	1,534.84	8.31	51.94	72.00	-2,312.55	-1,826.73	2,835.79	2,775.63	60.16	47.137		
1,613.50	1,567.96	1,546.96	1,546.96	8.39	52.36	72.14	-2,312.55	-1,826.73	2,833.77	2,773.11	60.66	46.712		
1,700.00	1,645.53	1,624.53	1,624.53	8.93	55.06	72.81	-2,312.55	-1,826.73	2,821.06	2,757.16	63.90	44.149		
1,800.00	1,735.20	1,714.20	1,714.20	9.58	58.19	73.59	-2,312.55	-1,826.73	2,806.94	2,739.28	67.66	41.487		
1,900.00	1,824.87	1,803.87	1,803.87	10.25	61.32	74.38	-2,312.55	-1,826.73	2,793.45	2,722.01	71.44	39.103		
2,000.00	1,914.54	1,906.46	1,893.54	10.92	64.89	75.18	-2,312.55	-1,826.73	2,780.60	2,704.91	75.68	36.740		
2,100.00	2,004.21	1,983.21	1,983.21	11.61	67.57	75.98	-2,312.55	-1,826.73	2,768.39	2,689.35	79.04	35.025		
2,200.00	2,093.89	2,072.89	2,072.89	12.30	70.70	76.78	-2,312.55	-1,826.73	2,756.85	2,673.99	82.86	33.271		
2,300.00	2,183.56	2,162.56	2,162.56	13.01	73.82	77.59	-2,312.55	-1,826.73	2,745.97	2,659.28	86.69	31.676		
2,400.00	2,273.23	2,252.23	2,252.23	13.71	76.95	78.41	-2,312.55	-1,826.73	2,735.76	2,645.23	90.53	30.220		
2,500.00	2,362.90	2,341.90	2,341.90	14.43	80.08	79.23	-2,312.55	-1,826.73	2,726.23	2,631.86	94.37	28.887		
2,600.00	2,452.57	2,431.57	2,431.57	15.14	83.21	80.05	-2,312.55	-1,826.73	2,717.39	2,619.16	98.23	27.664		
2,700.00	2,542.25	2,521.25	2,521.25	15.87	86.33	80.88	-2,312.55	-1,826.73	2,709.24	2,607.16	102.09	26.539		
2,800.00	2,631.92	2,610.92	2,610.92	16.59	89.46	81.72	-2,312.55	-1,826.73	2,701.80	2,595.85	105.95	25.501		
2,900.00	2,721.59	2,700.59	2,700.59	17.32	92.59	82.55	-2,312.55	-1,826.73	2,695.06	2,585.24	109.82	24.542		
3,000.00	2,811.26	2,809.74	2,790.26	18.05	96.40	83.39	-2,312.55	-1,826.73	2,689.03	2,574.66	114.37	23.513		
3,100.00	2,900.93	2,879.93	2,879.93	18.78	98.85	84.24	-2,312.55	-1,826.73	2,683.72	2,566.16	117.56	22.829		
3,200.00	2,990.60	2,969.60	2,969.60	19.51	101.98	85.08	-2,312.55	-1,826.73	2,679.13	2,557.69	121.43	22.062		
3,300.00	3,080.28	3,059.28	3,059.28	20.25	105.11	85.93	-2,312.55	-1,826.73	2,675.26	2,549.95	125.31	21.349		
3,400.00	3,169.95	3,148.95	3,148.95	20.99	108.23	86.78	-2,312.55	-1,826.73	2,672.13	2,542.94	129.19	20.684		
3,500.00	3,259.62	3,238.62	3,238.62	21.73	111.36	87.63	-2,312.55	-1,826.73	2,669.72	2,536.65	133.07	20.063		
3,600.00	3,349.29	3,328.29	3,328.29	22.47	114.49	88.48	-2,312.55	-1,826.73	2,668.04	2,531.10	136.95	19.483		
3,700.00	3,438.96	3,417.96	3,417.96	23.21	117.62	89.33	-2,312.55	-1,826.73	2,667.10	2,526.28	140.82	18.939		
3,778.31	3,509.19	3,488.19	3,488.19	23.79	120.07	90.00	-2,312.55	-1,826.73	2,666.87	2,523.02	143.86	18.538		
3,800.00	3,528.64	3,507.64	3,507.64	23.95	120.75	90.18	-2,312.55	-1,826.73	2,666.89	2,522.19	144.70	18.431		
3,900.00	3,618.31	3,602.69	3,597.31	24.69	124.07	91.04	-2,312.55	-1,826.73	2,667.42	2,518.66	148.76	17.931		
4,000.00	3,707.98	3,686.98	3,686.98	25.44	127.01	91.89	-2,312.55	-1,826.73	2,668.68	2,516.23	152.45	17.505		
4,100.00	3,797.65	3,776.65	3,776.65	26.18	130.14	92.74	-2,312.55	-1,826.73	2,670.67	2,514.35	156.32	17.085		
4,200.00	3,887.32	3,866.32	3,866.32	26.93	133.27	93.59	-2,312.55	-1,826.73	2,673.40	2,513.21	160.19	16.689		
4,300.00	3,976.99	3,955.99	3,955.99	27.68	136.40	94.44	-2,312.55	-1,826.73	2,676.85	2,512.80	164.05	16.317		
4,400.00	4,066.67	4,045.67	4,045.67	28.42	139.53	95.29	-2,312.55	-1,826.73	2,681.03	2,513.12	167.92	15.967		
4,500.00	4,156.34	4,135.34	4,135.34	29.17	142.66	96.13	-2,312.55	-1,826.73	2,685.94	2,514.16	171.77	15.636		
4,600.00	4,246.01	4,225.01	4,225.01	29.92	145.79	96.97	-2,312.55	-1,826.73	2,691.56	2,515.93	175.63	15.325		
4,700.00	4,335.68	4,314.68	4,314.68	30.67	148.92	97.81	-2,312.55	-1,826.73	2,697.89	2,518.42	179.48	15.032		
4,800.00	4,425.35	4,404.35	4,404.35	31.42	152.05	98.65	-2,312.55	-1,826.73	2,704.94	2,521.62	183.33	14.755		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,515.03	4,505.97	4,494.03	32.17	155.59	99.48	-2,312.55	-1,826.73	2,712.69	2,525.11	187.58	14.461					
5,000.00	4,604.70	4,583.70	4,583.70	32.92	158.31	100.30	-2,312.55	-1,826.73	2,721.14	2,530.14	191.00	14.247					
5,100.00	4,694.37	4,673.37	4,673.37	33.67	161.44	101.13	-2,312.55	-1,826.73	2,730.28	2,535.44	194.83	14.013					
5,200.00	4,784.04	4,763.04	4,763.04	34.42	164.57	101.95	-2,312.55	-1,826.73	2,740.10	2,541.44	198.66	13.793					
5,300.00	4,873.71	4,852.71	4,852.71	35.17	167.70	102.76	-2,312.55	-1,826.73	2,750.60	2,548.12	202.48	13.585					
5,400.00	4,963.38	4,942.38	4,942.38	35.92	170.82	103.57	-2,312.55	-1,826.73	2,761.78	2,555.48	206.30	13.387					
5,500.00	5,053.06	5,032.06	5,032.06	36.67	173.95	104.37	-2,312.55	-1,826.73	2,773.61	2,563.50	210.11	13.201					
5,600.00	5,142.73	5,121.73	5,121.73	37.43	177.08	105.17	-2,312.55	-1,826.73	2,786.09	2,572.18	213.91	13.025					
5,700.00	5,232.40	5,211.40	5,211.40	38.18	180.21	105.96	-2,312.55	-1,826.73	2,799.22	2,581.52	217.71	12.858					
5,800.00	5,322.07	5,301.07	5,301.07	38.93	183.34	106.75	-2,312.55	-1,826.73	2,812.99	2,591.49	221.50	12.700					
5,900.00	5,411.74	5,409.26	5,390.74	39.68	187.12	107.52	-2,312.55	-1,826.73	2,827.38	2,601.45	225.93	12.514					
6,000.00	5,501.42	5,480.42	5,480.42	40.44	189.60	108.30	-2,312.55	-1,826.73	2,842.38	2,613.32	229.07	12.409					
6,100.00	5,591.09	5,570.09	5,570.09	41.19	192.73	109.06	-2,312.55	-1,826.73	2,858.00	2,625.16	232.84	12.275					
6,200.00	5,680.76	5,659.76	5,659.76	41.94	195.86	109.82	-2,312.55	-1,826.73	2,874.21	2,637.60	236.61	12.148					
6,300.00	5,770.43	5,749.43	5,749.43	42.70	198.99	110.57	-2,312.55	-1,826.73	2,891.00	2,650.63	240.37	12.027					
6,400.00	5,860.10	5,839.10	5,839.10	43.45	202.12	111.31	-2,312.55	-1,826.73	2,908.38	2,664.25	244.13	11.913					
6,500.00	5,949.77	5,928.77	5,928.77	44.20	205.25	112.05	-2,312.55	-1,826.73	2,926.32	2,678.44	247.88	11.805					
6,600.00	6,039.45	6,018.45	6,018.45	44.96	208.38	112.78	-2,312.55	-1,826.73	2,944.81	2,693.19	251.63	11.703					
6,700.00	6,129.12	6,108.12	6,108.12	45.71	211.51	113.50	-2,312.55	-1,826.73	2,963.86	2,708.49	255.37	11.606					
6,800.00	6,218.79	6,202.21	6,197.79	46.46	214.80	114.21	-2,312.55	-1,826.73	2,983.43	2,724.18	259.25	11.508					
6,900.00	6,308.46	6,287.46	6,287.46	47.22	217.77	114.92	-2,312.55	-1,826.73	3,003.53	2,740.71	262.83	11.428					
6,969.86	6,371.11	6,350.11	6,350.11	47.75	219.96	115.41	-2,312.55	-1,826.73	3,017.88	2,752.45	265.43	11.370					
7,000.00	6,398.25	6,377.25	6,377.25	47.97	220.91	110.38	-2,312.55	-1,826.73	3,023.45	2,756.90	266.55	11.343					
7,050.00	6,443.70	6,422.70	6,422.70	48.31	222.50	101.23	-2,312.55	-1,826.73	3,029.68	2,761.27	268.41	11.287					
7,100.00	6,489.42	6,468.42	6,468.42	48.61	224.09	91.46	-2,312.55	-1,826.73	3,032.13	2,761.88	270.25	11.220					
7,150.00	6,535.12	6,514.12	6,514.12	48.87	225.69	81.73	-2,312.55	-1,826.73	3,030.80	2,758.74	272.06	11.140					
7,200.00	6,580.53	6,559.53	6,559.53	49.09	227.27	72.69	-2,312.55	-1,826.73	3,025.69	2,751.87	273.82	11.050					
7,250.00	6,625.36	6,604.36	6,604.36	49.27	228.84	64.77	-2,312.55	-1,826.73	3,016.83	2,741.31	275.51	10.950					
7,300.00	6,669.35	6,648.35	6,648.35	49.42	230.37	58.12	-2,312.55	-1,826.73	3,004.27	2,727.13	277.14	10.840					
7,350.00	6,712.21	6,708.79	6,691.21	49.55	232.48	52.70	-2,312.55	-1,826.73	2,988.10	2,708.79	279.31	10.698					
7,400.00	6,753.69	6,732.69	6,732.69	49.65	233.32	48.38	-2,312.55	-1,826.73	2,968.41	2,688.24	280.17	10.595					
7,450.00	6,793.52	6,772.52	6,772.52	49.73	234.71	44.98	-2,312.55	-1,826.73	2,945.31	2,663.75	281.55	10.461					
7,500.00	6,831.47	6,810.47	6,810.47	49.81	236.03	42.38	-2,312.55	-1,826.73	2,918.93	2,636.09	282.84	10.320					
7,550.00	6,867.30	6,846.30	6,846.30	49.88	237.28	40.45	-2,312.55	-1,826.73	2,889.45	2,605.41	284.04	10.173					
7,600.00	6,900.78	6,879.78	6,879.78	49.95	238.45	39.12	-2,312.55	-1,826.73	2,857.01	2,571.88	285.13	10.020					
7,650.00	6,931.72	6,910.72	6,910.72	50.03	239.53	38.33	-2,312.55	-1,826.73	2,821.82	2,535.70	286.13	9.862					
7,700.00	6,959.92	6,938.92	6,938.92	50.11	240.51	38.08	-2,312.55	-1,826.73	2,784.08	2,497.07	287.01	9.700					
7,750.00	6,985.20	6,964.20	6,964.20	50.20	241.40	38.40	-2,312.55	-1,826.73	2,744.01	2,456.22	287.79	9.535					
7,800.00	7,007.41	6,986.41	6,986.41	50.30	242.17	39.37	-2,312.55	-1,826.73	2,701.84	2,413.38	288.46	9.367					
7,850.00	7,026.42	7,005.42	7,005.42	50.42	242.84	41.15	-2,312.55	-1,826.73	2,657.82	2,368.80	289.01	9.196					
7,900.00	7,042.11	7,021.11	7,021.11	50.57	243.38	44.07	-2,312.55	-1,826.73	2,612.19	2,322.73	289.46	9.024					
7,950.00	7,054.37	7,033.37	7,033.37	50.73	243.81	48.72	-2,312.55	-1,826.73	2,565.24	2,275.44	289.80	8.852					
8,000.00	7,063.14	7,042.14	7,042.14	50.92	244.12	56.30	-2,312.55	-1,826.73	2,517.22	2,227.20	290.02	8.679					
8,050.00	7,068.36	7,047.36	7,047.36	51.13	244.30	69.19	-2,312.55	-1,826.73	2,468.43	2,178.30	290.13	8.508					
8,094.17	7,070.00	7,049.00	7,049.00	51.34	244.36	88.07	-2,312.55	-1,826.73	2,424.91	2,134.77	290.14	8.358					
8,100.00	7,070.03	7,049.03	7,049.03	51.37	244.36	88.07	-2,312.55	-1,826.73	2,419.15	2,129.01	290.14	8.338					
8,200.00	7,070.55	7,049.55	7,049.55	51.94	244.38	88.15	-2,312.55	-1,826.73	2,320.38	2,030.33	290.06	8.000					
8,300.00	7,071.07	7,050.07	7,050.07	52.64	244.40	88.23	-2,312.55	-1,826.73	2,221.73	1,931.76	289.98	7.662					
8,400.00	7,071.60	7,050.60	7,050.60	53.49	244.41	88.31	-2,312.55	-1,826.73	2,123.21	1,833.31	289.90	7.324					
8,500.00	7,072.12	7,051.12	7,051.12	54.50	244.43	88.39	-2,312.55	-1,826.73	2,024.82	1,735.00	289.82	6.986					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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			
8,600.00	7,072.64	7,051.64	7,051.64	55.69	244.45	88.47	-2,312.55	-1,826.73	1,926.61	1,636.86	289.75	6.649			
8,700.00	7,073.17	7,052.17	7,052.17	57.04	244.47	88.56	-2,312.55	-1,826.73	1,828.59	1,538.90	289.69	6.312			
8,800.00	7,073.69	7,052.69	7,052.69	58.55	244.49	88.64	-2,312.55	-1,826.73	1,730.79	1,441.15	289.64	5.976			
8,900.00	7,074.21	7,053.21	7,053.21	60.21	244.50	88.72	-2,312.55	-1,826.73	1,633.26	1,343.65	289.61	5.640			
9,000.00	7,074.74	7,053.74	7,053.74	61.99	244.52	88.80	-2,312.55	-1,826.73	1,536.05	1,246.44	289.61	5.304			
9,100.00	7,075.26	7,054.26	7,054.26	63.88	244.54	88.88	-2,312.55	-1,826.73	1,439.22	1,149.57	289.65	4.969			
9,200.00	7,075.78	7,054.78	7,054.78	65.87	244.56	88.96	-2,312.55	-1,826.73	1,342.85	1,053.10	289.75	4.635			
9,300.00	7,076.30	7,055.30	7,055.30	67.95	244.58	89.04	-2,312.55	-1,826.73	1,247.06	957.12	289.94	4.301			
9,400.00	7,076.83	7,055.83	7,055.83	70.09	244.60	89.12	-2,312.55	-1,826.73	1,151.98	861.72	290.27	3.969			
9,500.00	7,077.35	7,056.35	7,056.35	72.30	244.61	89.20	-2,312.55	-1,826.73	1,057.81	767.03	290.78	3.638			
9,600.00	7,077.87	7,056.87	7,056.87	74.57	244.63	89.28	-2,312.55	-1,826.73	964.81	673.24	291.57	3.309			
9,700.00	7,078.40	7,057.40	7,057.40	76.88	244.65	89.36	-2,312.55	-1,826.73	873.36	580.59	292.78	2.983			
9,800.00	7,078.92	7,057.92	7,057.92	79.24	244.67	89.44	-2,312.55	-1,826.73	784.01	489.42	294.59	2.661			
9,900.00	7,079.44	7,058.44	7,058.44	81.63	244.69	89.52	-2,312.55	-1,826.73	697.54	400.25	297.29	2.346			
10,000.00	7,079.97	7,058.97	7,058.97	84.06	244.71	89.60	-2,312.55	-1,826.73	615.20	313.93	301.27	2.042			
10,100.00	7,080.49	7,059.49	7,059.49	86.52	244.72	89.68	-2,312.55	-1,826.73	538.86	231.89	306.97	1.755			
10,200.00	7,081.01	7,060.01	7,060.01	89.01	244.74	89.77	-2,312.55	-1,826.73	471.45	156.73	314.72	1.498 Level 3			
10,300.00	7,081.54	7,060.54	7,060.54	91.52	244.76	89.85	-2,312.55	-1,826.73	417.33	93.03	324.30	1.287 Level 3			
10,400.00	7,082.06	7,061.06	7,061.06	94.05	244.78	89.93	-2,312.55	-1,826.73	362.18	48.09	334.09	1.144 Level 2			
10,490.51	7,082.53	7,061.53	7,061.53	96.37	244.80	90.00	-2,312.55	-1,826.73	371.31	30.71	340.60	1.090 Level 2, CC			
10,500.00	7,082.58	7,061.58	7,061.58	96.61	244.80	90.01	-2,312.55	-1,826.73	371.43	30.37	341.05	1.089 Level 2, ES, SF			
10,600.00	7,083.10	7,062.10	7,062.10	99.18	244.82	90.09	-2,312.55	-1,826.73	387.11	44.23	342.89	1.129 Level 2			
10,700.00	7,083.63	7,062.63	7,062.63	101.77	244.83	90.17	-2,312.55	-1,826.73	426.32	86.08	340.24	1.253 Level 3			
10,800.00	7,084.15	7,063.15	7,063.15	104.38	244.85	90.25	-2,312.55	-1,826.73	483.37	147.92	335.45	1.441 Level 3			
10,900.00	7,084.67	7,063.67	7,063.67	107.00	244.87	90.33	-2,312.55	-1,826.73	552.76	222.43	330.33	1.673			
11,000.00	7,085.20	7,064.20	7,064.20	109.63	244.89	90.41	-2,312.55	-1,826.73	630.43	304.73	325.70	1.936			
11,100.00	7,085.72	7,064.72	7,064.72	112.27	244.91	90.49	-2,312.55	-1,826.73	713.67	391.89	321.78	2.218			
11,200.00	7,086.24	7,065.24	7,065.24	114.93	244.92	90.57	-2,312.55	-1,826.73	800.76	482.22	318.54	2.514			
11,300.00	7,086.77	7,065.77	7,065.77	117.59	244.94	90.65	-2,312.55	-1,826.73	890.57	574.69	315.88	2.819			
11,400.00	7,087.29	7,066.29	7,066.29	120.27	244.96	90.73	-2,312.55	-1,826.73	982.35	668.66	313.69	3.132			
11,500.00	7,087.81	7,066.81	7,066.81	122.95	244.98	90.81	-2,312.55	-1,826.73	1,075.59	763.72	311.87	3.449			
11,600.00	7,088.33	7,067.33	7,067.33	125.64	245.00	90.90	-2,312.55	-1,826.73	1,169.95	859.60	310.35	3.770			
11,700.00	7,088.86	7,067.86	7,067.86	128.34	245.02	90.98	-2,312.55	-1,826.73	1,265.18	956.11	309.07	4.094			
11,800.00	7,089.38	7,068.38	7,068.38	131.05	245.03	91.06	-2,312.55	-1,826.73	1,361.09	1,053.11	307.98	4.419			
11,900.00	7,089.90	7,068.90	7,068.90	133.76	245.05	91.14	-2,312.55	-1,826.73	1,457.55	1,150.51	307.05	4.747			
12,000.00	7,090.43	7,069.43	7,069.43	136.49	245.07	91.22	-2,312.55	-1,826.73	1,554.46	1,248.22	306.24	5.076			
12,100.00	7,090.95	7,069.95	7,069.95	139.21	245.09	91.30	-2,312.55	-1,826.73	1,651.74	1,346.20	305.54	5.406			
12,200.00	7,091.47	7,070.47	7,070.47	141.94	245.11	91.38	-2,312.55	-1,826.73	1,749.32	1,444.39	304.93	5.737			
12,300.00	7,092.00	7,071.00	7,071.00	144.68	245.13	91.46	-2,312.55	-1,826.73	1,847.16	1,542.77	304.40	6.068			
12,400.00	7,092.52	7,071.52	7,071.52	147.42	245.14	91.54	-2,312.55	-1,826.73	1,945.23	1,641.30	303.93	6.400			
12,500.00	7,093.04	7,072.04	7,072.04	150.17	245.16	91.62	-2,312.55	-1,826.73	2,043.47	1,739.97	303.51	6.733			
12,600.00	7,093.57	7,072.57	7,072.57	152.92	245.18	91.70	-2,312.55	-1,826.73	2,141.89	1,838.75	303.14	7.066			
12,700.00	7,094.09	7,073.09	7,073.09	155.67	245.20	91.78	-2,312.55	-1,826.73	2,240.44	1,937.63	302.81	7.399			
12,800.00	7,094.61	7,073.61	7,073.61	158.43	245.22	91.86	-2,312.55	-1,826.73	2,339.11	2,036.60	302.51	7.732			
12,900.00	7,095.13	7,074.13	7,074.13	161.19	245.23	91.94	-2,312.55	-1,826.73	2,437.89	2,135.65	302.25	8.066			
13,000.00	7,095.66	7,074.66	7,074.66	163.96	245.25	92.02	-2,312.55	-1,826.73	2,536.77	2,234.76	302.01	8.400			
13,100.00	7,096.18	7,075.18	7,075.18	166.73	245.27	92.11	-2,312.55	-1,826.73	2,635.73	2,333.94	301.80	8.733			
13,200.00	7,096.70	7,075.70	7,075.70	169.50	245.29	92.19	-2,312.55	-1,826.73	2,734.77	2,433.17	301.60	9.067			
13,256.62	7,097.00	7,076.00	7,076.00	171.07	245.30	92.23	-2,312.55	-1,826.73	2,790.87	2,489.37	301.50	9.257			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-85.73	516.09	-6,911.18	6,930.43					
100.00	100.00	117.00	117.00	3.28	4.03	-85.73	516.09	-6,911.18	6,930.43	6,923.11	7.31	947.655		
200.00	200.00	217.00	217.00	3.34	6.69	-85.73	516.09	-6,911.18	6,930.43	6,920.40	10.03	691.221		
300.00	300.00	317.00	317.00	3.44	9.88	-85.73	516.09	-6,911.18	6,930.43	6,917.10	13.33	520.062		
400.00	399.98	416.98	416.98	3.60	13.22	120.78	516.09	-6,911.18	6,931.32	6,914.50	16.82	412.083		
500.00	499.84	516.84	516.84	3.79	16.62	120.77	516.09	-6,911.18	6,934.00	6,913.59	20.41	339.739		
600.00	599.45	616.45	616.45	4.02	20.05	120.75	516.09	-6,911.18	6,938.47	6,914.41	24.06	288.347		
700.00	698.70	715.70	715.70	4.29	23.47	120.73	516.09	-6,911.18	6,944.74	6,916.98	27.76	250.187		
800.00	797.47	814.47	814.47	4.59	26.89	120.70	516.09	-6,911.18	6,952.80	6,921.32	31.48	220.852		
900.00	895.62	912.62	912.62	4.93	30.29	120.66	516.09	-6,911.18	6,962.67	6,927.45	35.22	197.673		
1,000.00	993.06	1,010.06	1,010.06	5.31	33.68	120.62	516.09	-6,911.18	6,974.36	6,935.38	38.98	178.944		
1,100.00	1,089.64	1,106.64	1,106.64	5.72	37.03	120.56	516.09	-6,911.18	6,987.87	6,945.14	42.73	163.531		
1,200.00	1,185.27	1,202.27	1,202.27	6.16	40.36	120.49	516.09	-6,911.18	7,003.22	6,956.73	46.49	150.652		
1,300.00	1,279.82	1,303.18	1,296.82	6.64	43.87	120.41	516.09	-6,911.18	7,020.41	6,969.95	50.46	139.137		
1,400.00	1,373.17	1,409.83	1,390.17	7.16	47.58	120.32	516.09	-6,911.18	7,039.46	6,984.80	54.66	128.787		
1,500.00	1,465.21	1,482.21	1,482.21	7.71	50.11	120.21	516.09	-6,911.18	7,060.38	7,002.68	57.70	122.361		
1,600.00	1,555.84	1,572.84	1,572.84	8.31	53.26	120.08	516.09	-6,911.18	7,083.18	7,021.77	61.41	115.340		
1,613.50	1,567.96	1,584.96	1,584.96	8.39	53.69	120.06	516.09	-6,911.18	7,086.41	7,024.49	61.91	114.460		
1,700.00	1,645.53	1,662.53	1,662.53	8.93	56.39	120.30	516.09	-6,911.18	7,107.24	7,042.12	65.11	109.152		
1,800.00	1,735.20	1,752.20	1,752.20	9.58	59.51	120.59	516.09	-6,911.18	7,131.50	7,062.67	68.83	103.611		
1,900.00	1,824.87	1,841.87	1,841.87	10.25	62.64	120.87	516.09	-6,911.18	7,155.96	7,083.40	72.56	98.624		
2,000.00	1,914.54	1,931.54	1,931.54	10.92	65.77	121.15	516.09	-6,911.18	7,180.60	7,104.31	76.30	94.114		
2,100.00	2,004.21	2,021.21	2,021.21	11.61	68.89	121.43	516.09	-6,911.18	7,205.44	7,125.39	80.04	90.019		
2,200.00	2,093.89	2,110.89	2,110.89	12.30	72.02	121.71	516.09	-6,911.18	7,230.45	7,146.66	83.80	86.286		
2,300.00	2,183.56	2,200.56	2,200.56	13.01	75.15	121.98	516.09	-6,911.18	7,255.66	7,168.10	87.55	82.870		
2,400.00	2,273.23	2,309.77	2,290.23	13.71	78.96	122.26	516.09	-6,911.18	7,281.04	7,189.04	92.00	79.143		
2,500.00	2,362.90	2,379.90	2,379.90	14.43	81.40	122.53	516.09	-6,911.18	7,306.60	7,211.52	95.08	76.845		
2,600.00	2,452.57	2,469.57	2,469.57	15.14	84.53	122.80	516.09	-6,911.18	7,332.35	7,233.50	98.85	74.176		
2,700.00	2,542.25	2,559.25	2,559.25	15.87	87.66	123.07	516.09	-6,911.18	7,358.26	7,255.64	102.62	71.703		
2,800.00	2,631.92	2,648.92	2,648.92	16.59	90.79	123.34	516.09	-6,911.18	7,384.36	7,277.96	106.39	69.407		
2,900.00	2,721.59	2,738.59	2,738.59	17.32	93.92	123.60	516.09	-6,911.18	7,410.62	7,300.46	110.17	67.268		
3,000.00	2,811.26	2,828.26	2,828.26	18.05	97.04	123.87	516.09	-6,911.18	7,437.06	7,323.12	113.94	65.273		
3,100.00	2,900.93	2,917.93	2,917.93	18.78	100.17	124.13	516.09	-6,911.18	7,463.66	7,345.95	117.71	63.406		
3,200.00	2,990.60	3,007.60	3,007.60	19.51	103.30	124.39	516.09	-6,911.18	7,490.43	7,368.95	121.49	61.657		
3,300.00	3,080.28	3,102.72	3,097.28	20.25	106.62	124.65	516.09	-6,911.18	7,517.37	7,391.92	125.45	59.923		
3,400.00	3,169.95	3,186.95	3,186.95	20.99	109.56	124.91	516.09	-6,911.18	7,544.47	7,415.44	129.03	58.469		
3,500.00	3,259.62	3,276.62	3,276.62	21.73	112.69	125.16	516.09	-6,911.18	7,571.73	7,438.92	132.81	57.013		
3,600.00	3,349.29	3,366.29	3,366.29	22.47	115.82	125.42	516.09	-6,911.18	7,599.15	7,462.57	136.58	55.639		
3,700.00	3,438.96	3,455.96	3,455.96	23.21	118.95	125.67	516.09	-6,911.18	7,626.73	7,486.38	140.35	54.340		
3,800.00	3,528.64	3,545.64	3,545.64	23.95	122.08	125.92	516.09	-6,911.18	7,654.47	7,510.35	144.12	53.110		
3,900.00	3,618.31	3,635.31	3,635.31	24.69	125.21	126.17	516.09	-6,911.18	7,682.36	7,534.47	147.90	51.944		
4,000.00	3,707.98	3,724.98	3,724.98	25.44	128.34	126.42	516.09	-6,911.18	7,710.41	7,558.74	151.67	50.838		
4,100.00	3,797.65	3,814.65	3,814.65	26.18	131.47	126.67	516.09	-6,911.18	7,738.60	7,583.17	155.44	49.787		
4,200.00	3,887.32	3,904.32	3,904.32	26.93	134.59	126.91	516.09	-6,911.18	7,766.95	7,607.75	159.20	48.786		
4,300.00	3,976.99	4,006.01	3,993.99	27.68	138.14	127.15	516.09	-6,911.18	7,795.44	7,632.05	163.39	47.711		
4,400.00	4,066.67	4,083.67	4,083.67	28.42	140.85	127.40	516.09	-6,911.18	7,824.08	7,657.35	166.74	46.925		
4,500.00	4,156.34	4,173.34	4,173.34	29.17	143.98	127.64	516.09	-6,911.18	7,852.87	7,682.37	170.50	46.057		
4,600.00	4,246.01	4,263.01	4,263.01	29.92	147.11	127.87	516.09	-6,911.18	7,881.80	7,707.53	174.27	45.229		
4,700.00	4,335.68	4,352.68	4,352.68	30.67	150.24	128.11	516.09	-6,911.18	7,910.87	7,732.84	178.03	44.436		
4,800.00	4,425.35	4,442.35	4,442.35	31.42	153.37	128.35	516.09	-6,911.18	7,940.08	7,758.29	181.79	43.677		
4,900.00	4,515.03	4,532.03	4,532.03	32.17	156.50	128.58	516.09	-6,911.18	7,969.43	7,783.88	185.55	42.950		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,621.70	4,621.70	32.92	159.63	128.81	516.09	-6,911.18	7,998.92	7,809.61	189.31	42.253		
5,100.00	4,694.37	4,711.37	4,711.37	33.67	162.76	129.05	516.09	-6,911.18	8,028.54	7,835.47	193.07	41.584		
5,200.00	4,784.04	4,801.04	4,801.04	34.42	165.89	129.28	516.09	-6,911.18	8,058.30	7,861.48	196.82	40.942		
5,300.00	4,873.71	4,909.29	4,890.71	35.17	169.67	129.50	516.09	-6,911.18	8,088.19	7,886.96	201.23	40.194		
5,400.00	4,963.38	4,980.38	4,980.38	35.92	172.15	129.73	516.09	-6,911.18	8,118.21	7,913.88	204.33	39.730		
5,500.00	5,053.06	5,070.06	5,070.06	36.67	175.28	129.96	516.09	-6,911.18	8,148.36	7,940.27	208.09	39.158		
5,600.00	5,142.73	5,159.73	5,159.73	37.43	178.41	130.18	516.09	-6,911.18	8,178.64	7,966.80	211.84	38.608		
5,700.00	5,232.40	5,249.40	5,249.40	38.18	181.54	130.40	516.09	-6,911.18	8,209.05	7,993.46	215.59	38.077		
5,800.00	5,322.07	5,339.07	5,339.07	38.93	184.67	130.62	516.09	-6,911.18	8,239.58	8,020.24	219.34	37.566		
5,900.00	5,411.74	5,428.74	5,428.74	39.68	187.80	130.84	516.09	-6,911.18	8,270.24	8,047.15	223.09	37.072		
6,000.00	5,501.42	5,518.42	5,518.42	40.44	190.93	131.06	516.09	-6,911.18	8,301.01	8,074.18	226.83	36.595		
6,100.00	5,591.09	5,608.09	5,608.09	41.19	194.06	131.28	516.09	-6,911.18	8,331.91	8,101.34	230.58	36.135		
6,200.00	5,680.76	5,702.24	5,697.76	41.94	197.35	131.49	516.09	-6,911.18	8,362.93	8,128.45	234.48	35.666		
6,300.00	5,770.43	5,787.43	5,787.43	42.70	200.32	131.70	516.09	-6,911.18	8,394.07	8,156.01	238.07	35.259		
6,400.00	5,860.10	5,877.10	5,877.10	43.45	203.45	131.92	516.09	-6,911.18	8,425.33	8,183.52	241.81	34.843		
6,500.00	5,949.77	5,966.77	5,966.77	44.20	206.58	132.13	516.09	-6,911.18	8,456.70	8,211.15	245.55	34.440		
6,600.00	6,039.45	6,056.45	6,056.45	44.96	209.71	132.34	516.09	-6,911.18	8,488.19	8,238.90	249.29	34.050		
6,700.00	6,129.12	6,146.12	6,146.12	45.71	212.84	132.54	516.09	-6,911.18	8,519.79	8,266.76	253.03	33.671		
6,800.00	6,218.79	6,235.79	6,235.79	46.46	215.97	132.75	516.09	-6,911.18	8,551.50	8,294.74	256.77	33.305		
6,900.00	6,308.46	6,325.46	6,325.46	47.22	219.10	132.96	516.09	-6,911.18	8,583.33	8,322.83	260.50	32.949		
6,969.86	6,371.11	6,388.11	6,388.11	47.75	221.29	133.10	516.09	-6,911.18	8,605.63	8,342.52	263.11	32.707		
7,000.00	6,398.25	6,415.25	6,415.25	47.97	222.24	127.67	516.09	-6,911.18	8,614.62	8,350.38	264.24	32.602		
7,050.00	6,443.70	6,460.70	6,460.70	48.31	223.82	117.93	516.09	-6,911.18	8,626.69	8,360.58	266.11	32.417		
7,100.00	6,489.42	6,506.42	6,506.42	48.61	225.42	107.69	516.09	-6,911.18	8,635.15	8,367.17	267.98	32.223		
7,150.00	6,535.12	6,552.12	6,552.12	48.87	227.01	97.60	516.09	-6,911.18	8,639.95	8,370.13	269.82	32.021		
7,200.00	6,580.53	6,602.47	6,597.53	49.09	228.77	88.28	516.09	-6,911.18	8,641.08	8,369.28	271.79	31.793		
7,250.00	6,625.36	6,642.36	6,642.36	49.27	230.16	80.17	516.09	-6,911.18	8,638.53	8,365.16	273.36	31.601		
7,300.00	6,669.35	6,686.35	6,686.35	49.42	231.70	73.41	516.09	-6,911.18	8,632.33	8,357.29	275.04	31.386		
7,350.00	6,712.21	6,729.21	6,729.21	49.55	233.19	67.96	516.09	-6,911.18	8,622.52	8,345.89	276.64	31.169		
7,400.00	6,753.69	6,770.69	6,770.69	49.65	234.64	63.68	516.09	-6,911.18	8,609.18	8,331.03	278.15	30.952		
7,450.00	6,793.52	6,810.52	6,810.52	49.73	236.03	60.41	516.09	-6,911.18	8,592.39	8,312.81	279.57	30.734		
7,500.00	6,831.47	6,848.47	6,848.47	49.81	237.36	58.02	516.09	-6,911.18	8,572.25	8,291.35	280.90	30.517		
7,550.00	6,867.30	6,884.30	6,884.30	49.88	238.61	56.38	516.09	-6,911.18	8,548.90	8,266.77	282.12	30.302		
7,600.00	6,900.78	6,917.78	6,917.78	49.95	239.78	55.43	516.09	-6,911.18	8,522.48	8,239.23	283.25	30.088		
7,650.00	6,931.72	6,948.72	6,948.72	50.03	240.86	55.12	516.09	-6,911.18	8,493.15	8,208.88	284.27	29.877		
7,700.00	6,959.92	6,976.92	6,976.92	50.11	241.84	55.43	516.09	-6,911.18	8,461.10	8,175.92	285.18	29.669		
7,750.00	6,985.20	7,002.20	7,002.20	50.20	242.72	56.39	516.09	-6,911.18	8,426.52	8,140.53	285.99	29.464		
7,800.00	7,007.41	7,024.41	7,024.41	50.30	243.50	58.05	516.09	-6,911.18	8,389.62	8,102.93	286.69	29.264		
7,850.00	7,026.42	7,043.42	7,043.42	50.42	244.16	60.50	516.09	-6,911.18	8,350.63	8,063.35	287.28	29.068		
7,900.00	7,042.11	7,059.11	7,059.11	50.57	244.71	63.86	516.09	-6,911.18	8,309.78	8,022.02	287.77	28.877		
7,950.00	7,054.37	7,071.37	7,071.37	50.73	245.14	68.33	516.09	-6,911.18	8,267.32	7,979.17	288.14	28.692		
8,000.00	7,063.14	7,080.14	7,080.14	50.92	245.44	74.12	516.09	-6,911.18	8,223.49	7,935.08	288.41	28.513		
8,050.00	7,068.36	7,085.36	7,085.36	51.13	245.63	81.44	516.09	-6,911.18	8,178.57	7,889.99	288.58	28.341		
8,094.17	7,070.00	7,087.00	7,087.00	51.34	245.68	89.30	516.09	-6,911.18	8,138.18	7,849.55	288.63	28.196		
8,100.00	7,070.03	7,087.03	7,087.03	51.37	245.69	89.30	516.09	-6,911.18	8,132.82	7,844.18	288.64	28.177		
8,200.00	7,070.55	7,087.55	7,087.55	51.94	245.70	89.31	516.09	-6,911.18	8,040.90	7,752.22	288.68	27.854		
8,300.00	7,071.07	7,088.07	7,088.07	52.64	245.72	89.31	516.09	-6,911.18	7,949.18	7,660.42	288.76	27.528		
8,400.00	7,071.60	7,088.60	7,088.60	53.49	245.74	89.32	516.09	-6,911.18	7,857.67	7,568.78	288.89	27.200		
8,500.00	7,072.12	7,089.12	7,089.12	54.50	245.76	89.33	516.09	-6,911.18	7,766.36	7,477.30	289.05	26.868		
8,600.00	7,072.64	7,089.64	7,089.64	55.69	245.78	89.34	516.09	-6,911.18	7,675.26	7,386.00	289.26	26.534		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,700.00	7,073.17	7,109.83	7,090.17	57.04	246.48	89.35	516.09	-6,911.18	7,584.39	7,294.19	290.21	26.134		
8,800.00	7,073.69	7,109.31	7,090.69	58.55	246.46	89.36	516.09	-6,911.18	7,493.76	7,203.28	290.48	25.798		
8,900.00	7,074.21	7,108.79	7,091.21	60.21	246.44	89.37	516.09	-6,911.18	7,403.36	7,112.56	290.80	25.459		
9,000.00	7,074.74	7,108.27	7,091.74	61.99	246.43	89.38	516.09	-6,911.18	7,313.22	7,022.04	291.18	25.116		
9,100.00	7,075.26	7,107.74	7,092.26	63.88	246.41	89.39	516.09	-6,911.18	7,223.33	6,931.72	291.61	24.770		
9,200.00	7,075.78	7,107.22	7,092.78	65.87	246.39	89.40	516.09	-6,911.18	7,133.72	6,841.61	292.11	24.422		
9,300.00	7,076.30	7,106.70	7,093.30	67.95	246.37	89.41	516.09	-6,911.18	7,044.38	6,751.72	292.66	24.070		
9,400.00	7,076.83	7,106.17	7,093.83	70.09	246.35	89.42	516.09	-6,911.18	6,955.33	6,662.05	293.28	23.715		
9,500.00	7,077.35	7,105.65	7,094.35	72.30	246.34	89.43	516.09	-6,911.18	6,866.59	6,572.62	293.97	23.358		
9,600.00	7,077.87	7,105.13	7,094.87	74.57	246.32	89.44	516.09	-6,911.18	6,778.16	6,483.43	294.72	22.998		
9,700.00	7,078.40	7,104.60	7,095.40	76.88	246.30	89.45	516.09	-6,911.18	6,690.05	6,394.50	295.55	22.636		
9,800.00	7,078.92	7,104.08	7,095.92	79.24	246.28	89.46	516.09	-6,911.18	6,602.28	6,305.84	296.44	22.272		
9,900.00	7,079.44	7,103.56	7,096.44	81.63	246.26	89.47	516.09	-6,911.18	6,514.87	6,217.46	297.41	21.905		
10,000.00	7,079.97	7,103.03	7,096.97	84.06	246.24	89.47	516.09	-6,911.18	6,427.82	6,129.37	298.46	21.537		
10,100.00	7,080.49	7,102.51	7,097.49	86.52	246.23	89.48	516.09	-6,911.18	6,341.16	6,041.58	299.58	21.167		
10,200.00	7,081.01	7,101.99	7,098.01	89.01	246.21	89.49	516.09	-6,911.18	6,254.89	5,954.11	300.78	20.796		
10,300.00	7,081.54	7,101.47	7,098.54	91.52	246.19	89.50	516.09	-6,911.18	6,169.04	5,866.98	302.06	20.423		
10,400.00	7,082.06	7,100.94	7,099.06	94.05	246.17	89.51	516.09	-6,911.18	6,083.62	5,780.19	303.42	20.050		
10,500.00	7,082.58	7,100.42	7,099.58	96.61	246.15	89.52	516.09	-6,911.18	5,998.65	5,693.78	304.87	19.676		
10,600.00	7,083.10	7,100.10	7,100.10	99.18	246.14	89.53	516.09	-6,911.18	5,914.15	5,607.74	306.41	19.302		
10,700.00	7,083.63	7,100.63	7,100.63	101.77	246.16	89.54	516.09	-6,911.18	5,830.14	5,522.08	308.06	18.925		
10,800.00	7,084.15	7,101.15	7,101.15	104.38	246.18	89.55	516.09	-6,911.18	5,746.64	5,436.84	309.80	18.550		
10,900.00	7,084.67	7,101.67	7,101.67	107.00	246.20	89.56	516.09	-6,911.18	5,663.68	5,352.05	311.63	18.175		
11,000.00	7,085.20	7,102.20	7,102.20	109.63	246.21	89.57	516.09	-6,911.18	5,581.27	5,267.73	313.54	17.801		
11,100.00	7,085.72	7,102.72	7,102.72	112.27	246.23	89.58	516.09	-6,911.18	5,499.45	5,183.90	315.55	17.428		
11,200.00	7,086.24	7,103.24	7,103.24	114.93	246.25	89.59	516.09	-6,911.18	5,418.24	5,100.58	317.65	17.057		
11,300.00	7,086.77	7,103.77	7,103.77	117.59	246.27	89.60	516.09	-6,911.18	5,337.67	5,017.82	319.85	16.688		
11,400.00	7,087.29	7,104.29	7,104.29	120.27	246.29	89.61	516.09	-6,911.18	5,257.76	4,935.62	322.14	16.321		
11,500.00	7,087.81	7,104.81	7,104.81	122.95	246.31	89.62	516.09	-6,911.18	5,178.55	4,854.02	324.53	15.957		
11,600.00	7,088.33	7,105.33	7,105.33	125.64	246.32	89.63	516.09	-6,911.18	5,100.07	4,773.06	327.01	15.596		
11,700.00	7,088.86	7,105.86	7,105.86	128.34	246.34	89.63	516.09	-6,911.18	5,022.36	4,692.76	329.60	15.238		
11,800.00	7,089.38	7,106.38	7,106.38	131.05	246.36	89.64	516.09	-6,911.18	4,945.45	4,613.17	332.28	14.883		
11,900.00	7,089.90	7,106.90	7,106.90	133.76	246.38	89.65	516.09	-6,911.18	4,869.38	4,534.31	335.07	14.532		
12,000.00	7,090.43	7,107.43	7,107.43	136.49	246.40	89.66	516.09	-6,911.18	4,794.18	4,456.22	337.96	14.186		
12,100.00	7,090.95	7,107.95	7,107.95	139.21	246.42	89.67	516.09	-6,911.18	4,719.91	4,378.96	340.95	13.843		
12,200.00	7,091.47	7,108.47	7,108.47	141.94	246.43	89.68	516.09	-6,911.18	4,646.60	4,302.55	344.05	13.506		
12,300.00	7,092.00	7,109.00	7,109.00	144.68	246.45	89.69	516.09	-6,911.18	4,574.31	4,227.06	347.25	13.173		
12,400.00	7,092.52	7,109.52	7,109.52	147.42	246.47	89.70	516.09	-6,911.18	4,503.07	4,152.51	350.56	12.845		
12,500.00	7,093.04	7,110.04	7,110.04	150.17	246.49	89.71	516.09	-6,911.18	4,432.94	4,078.98	353.97	12.524		
12,600.00	7,093.57	7,110.57	7,110.57	152.92	246.51	89.72	516.09	-6,911.18	4,363.98	4,006.50	357.49	12.207		
12,700.00	7,094.09	7,111.09	7,111.09	155.67	246.52	89.73	516.09	-6,911.18	4,296.24	3,935.14	361.11	11.897		
12,800.00	7,094.61	7,111.61	7,111.61	158.43	246.54	89.74	516.09	-6,911.18	4,229.78	3,864.95	364.83	11.594		
12,900.00	7,095.13	7,112.13	7,112.13	161.19	246.56	89.75	516.09	-6,911.18	4,164.66	3,796.00	368.66	11.297		
13,000.00	7,095.66	7,112.66	7,112.66	163.96	246.58	89.76	516.09	-6,911.18	4,100.95	3,728.36	372.59	11.007		
13,100.00	7,096.18	7,113.18	7,113.18	166.73	246.60	89.77	516.09	-6,911.18	4,038.70	3,662.09	376.62	10.724		
13,200.00	7,096.70	7,113.70	7,113.70	169.50	246.62	89.78	516.09	-6,911.18	3,978.00	3,597.26	380.74	10.448		
13,256.62	7,097.00	7,114.00	7,114.00	171.07	246.63	89.78	516.09	-6,911.18	3,944.34	3,561.23	383.11	10.296 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-99.22	-1,179.65	-7,268.76	7,363.86						
100.00	100.00	104.00	104.00	3.28	3.78	-99.22	-1,179.65	-7,268.76	7,363.86	7,356.79	7.07	1,041.883			
200.00	200.00	204.00	204.00	3.34	6.30	-99.22	-1,179.65	-7,268.76	7,363.86	7,354.22	9.63	764.301			
300.00	300.00	304.00	304.00	3.44	9.45	-99.22	-1,179.65	-7,268.76	7,363.86	7,350.96	12.90	570.875			
400.00	399.98	403.98	403.98	3.60	12.79	107.29	-1,179.65	-7,268.76	7,364.38	7,348.00	16.38	449.569			
500.00	499.84	503.84	503.84	3.79	16.18	107.30	-1,179.65	-7,268.76	7,365.93	7,345.97	19.96	368.949			
600.00	599.45	603.45	603.45	4.02	19.60	107.32	-1,179.65	-7,268.76	7,368.54	7,344.92	23.61	312.034			
700.00	698.70	702.70	702.70	4.29	23.02	107.34	-1,179.65	-7,268.76	7,372.19	7,344.88	27.31	269.962			
800.00	797.47	801.47	801.47	4.59	26.44	107.36	-1,179.65	-7,268.76	7,376.91	7,345.88	31.03	237.722			
900.00	895.62	900.38	899.62	4.93	29.87	107.39	-1,179.65	-7,268.76	7,382.71	7,347.91	34.80	212.140			
1,000.00	993.06	1,002.94	997.06	5.31	33.43	107.42	-1,179.65	-7,268.76	7,389.60	7,350.86	38.74	190.772			
1,100.00	1,089.64	1,106.36	1,093.64	5.72	37.02	107.45	-1,179.65	-7,268.76	7,397.60	7,354.87	42.74	173.103			
1,200.00	1,185.27	1,189.27	1,189.27	6.16	39.91	107.49	-1,179.65	-7,268.76	7,406.74	7,360.69	46.06	160.816			
1,300.00	1,279.82	1,283.82	1,283.82	6.64	43.20	107.52	-1,179.65	-7,268.76	7,417.05	7,367.23	49.82	148.878			
1,400.00	1,373.17	1,377.17	1,377.17	7.16	46.45	107.54	-1,179.65	-7,268.76	7,428.53	7,374.96	53.58	138.652			
1,500.00	1,465.21	1,469.21	1,469.21	7.71	49.65	107.57	-1,179.65	-7,268.76	7,441.23	7,383.91	57.33	129.807			
1,600.00	1,555.84	1,559.84	1,559.84	8.31	52.81	107.58	-1,179.65	-7,268.76	7,455.18	7,394.12	61.06	122.091			
1,613.50	1,567.96	1,571.96	1,571.96	8.39	53.23	107.58	-1,179.65	-7,268.76	7,457.16	7,395.59	61.57	121.125			
1,700.00	1,645.53	1,649.53	1,649.53	8.93	55.94	107.84	-1,179.65	-7,268.76	7,470.00	7,405.20	64.80	115.283			
1,800.00	1,735.20	1,739.20	1,739.20	9.58	59.06	108.13	-1,179.65	-7,268.76	7,485.07	7,416.52	68.55	109.192			
1,900.00	1,824.87	1,828.87	1,828.87	10.25	62.19	108.42	-1,179.65	-7,268.76	7,500.36	7,428.05	72.32	103.718			
2,000.00	1,914.54	1,918.54	1,918.54	10.92	65.31	108.71	-1,179.65	-7,268.76	7,515.89	7,439.79	76.09	98.773			
2,100.00	2,004.21	2,008.21	2,008.21	11.61	68.44	109.00	-1,179.65	-7,268.76	7,531.64	7,451.76	79.88	94.289			
2,200.00	2,093.89	2,102.11	2,097.89	12.30	71.71	109.29	-1,179.65	-7,268.76	7,547.62	7,463.80	83.82	90.047			
2,300.00	2,183.56	2,187.56	2,187.56	13.01	74.69	109.58	-1,179.65	-7,268.76	7,563.83	7,476.36	87.47	86.473			
2,400.00	2,273.23	2,277.23	2,277.23	13.71	77.82	109.86	-1,179.65	-7,268.76	7,580.25	7,488.98	91.27	83.049			
2,500.00	2,362.90	2,366.90	2,366.90	14.43	80.95	110.15	-1,179.65	-7,268.76	7,596.91	7,501.82	95.08	79.899			
2,600.00	2,452.57	2,456.57	2,456.57	15.14	84.08	110.43	-1,179.65	-7,268.76	7,613.78	7,514.89	98.89	76.991			
2,700.00	2,542.25	2,546.25	2,546.25	15.87	87.21	110.72	-1,179.65	-7,268.76	7,630.87	7,528.17	102.70	74.299			
2,800.00	2,631.92	2,635.92	2,635.92	16.59	90.33	111.00	-1,179.65	-7,268.76	7,648.18	7,541.66	106.52	71.801			
2,900.00	2,721.59	2,725.59	2,725.59	17.32	93.46	111.28	-1,179.65	-7,268.76	7,665.71	7,555.37	110.34	69.476			
3,000.00	2,811.26	2,815.26	2,815.26	18.05	96.59	111.56	-1,179.65	-7,268.76	7,683.45	7,569.29	114.15	67.309			
3,100.00	2,900.93	2,904.93	2,904.93	18.78	99.72	111.84	-1,179.65	-7,268.76	7,701.40	7,583.43	117.97	65.282			
3,200.00	2,990.60	3,005.40	2,994.60	19.51	103.23	112.12	-1,179.65	-7,268.76	7,719.57	7,597.40	122.17	63.189			
3,300.00	3,080.28	3,084.28	3,084.28	20.25	105.98	112.40	-1,179.65	-7,268.76	7,737.94	7,612.34	125.61	61.604			
3,400.00	3,169.95	3,173.95	3,173.95	20.99	109.11	112.67	-1,179.65	-7,268.76	7,756.53	7,627.10	129.43	59.930			
3,500.00	3,259.62	3,263.62	3,263.62	21.73	112.24	112.95	-1,179.65	-7,268.76	7,775.32	7,642.08	133.24	58.354			
3,600.00	3,349.29	3,353.29	3,353.29	22.47	115.36	113.22	-1,179.65	-7,268.76	7,794.32	7,657.26	137.06	56.867			
3,700.00	3,438.96	3,442.96	3,442.96	23.21	118.49	113.49	-1,179.65	-7,268.76	7,813.53	7,672.65	140.88	55.462			
3,800.00	3,528.64	3,532.64	3,532.64	23.95	121.62	113.76	-1,179.65	-7,268.76	7,832.94	7,688.24	144.70	54.133			
3,900.00	3,618.31	3,622.31	3,622.31	24.69	124.75	114.03	-1,179.65	-7,268.76	7,852.54	7,704.03	148.51	52.874			
4,000.00	3,707.98	3,711.98	3,711.98	25.44	127.88	114.30	-1,179.65	-7,268.76	7,872.35	7,720.02	152.33	51.679			
4,100.00	3,797.65	3,801.65	3,801.65	26.18	131.01	114.57	-1,179.65	-7,268.76	7,892.36	7,736.21	156.15	50.545			
4,200.00	3,887.32	3,908.68	3,891.32	26.93	134.75	114.84	-1,179.65	-7,268.76	7,912.56	7,752.00	160.57	49.279			
4,300.00	3,976.99	3,980.99	3,980.99	27.68	137.27	115.10	-1,179.65	-7,268.76	7,932.96	7,769.19	163.77	48.439			
4,400.00	4,066.67	4,070.67	4,070.67	28.42	140.40	115.37	-1,179.65	-7,268.76	7,953.56	7,785.97	167.58	47.460			
4,500.00	4,156.34	4,160.34	4,160.34	29.17	143.53	115.63	-1,179.65	-7,268.76	7,974.34	7,802.95	171.40	46.526			
4,600.00	4,246.01	4,250.01	4,250.01	29.92	146.66	115.90	-1,179.65	-7,268.76	7,995.32	7,820.11	175.21	45.634			
4,700.00	4,335.68	4,339.68	4,339.68	30.67	149.79	116.16	-1,179.65	-7,268.76	8,016.49	7,837.47	179.01	44.781			
4,800.00	4,425.35	4,429.35	4,429.35	31.42	152.92	116.42	-1,179.65	-7,268.76	8,037.84	7,855.02	182.82	43.965			
4,900.00	4,515.03	4,519.03	4,519.03	32.17	156.05	116.68	-1,179.65	-7,268.76	8,059.38	7,872.75	186.63	43.184			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,608.70	4,608.70	32.92	159.18	116.93	-1,179.65	-7,268.76	8,081.11	7,890.68	190.43	42.435			
5,100.00	4,694.37	4,701.63	4,698.37	33.67	162.42	117.19	-1,179.65	-7,268.76	8,103.02	7,908.67	194.35	41.693			
5,200.00	4,784.04	4,788.04	4,788.04	34.42	165.44	117.44	-1,179.65	-7,268.76	8,125.11	7,927.07	198.04	41.028			
5,300.00	4,873.71	4,877.71	4,877.71	35.17	168.57	117.70	-1,179.65	-7,268.76	8,147.38	7,945.54	201.84	40.366			
5,400.00	4,963.38	4,967.38	4,967.38	35.92	171.70	117.95	-1,179.65	-7,268.76	8,169.83	7,964.19	205.64	39.729			
5,500.00	5,053.06	5,057.06	5,057.06	36.67	174.83	118.20	-1,179.65	-7,268.76	8,192.46	7,983.02	209.44	39.116			
5,600.00	5,142.73	5,146.73	5,146.73	37.43	177.96	118.45	-1,179.65	-7,268.76	8,215.27	8,002.03	213.23	38.527			
5,700.00	5,232.40	5,236.40	5,236.40	38.18	181.09	118.70	-1,179.65	-7,268.76	8,238.25	8,021.22	217.03	37.959			
5,800.00	5,322.07	5,326.07	5,326.07	38.93	184.22	118.95	-1,179.65	-7,268.76	8,261.40	8,040.57	220.82	37.412			
5,900.00	5,411.74	5,415.74	5,415.74	39.68	187.35	119.20	-1,179.65	-7,268.76	8,284.72	8,060.11	224.62	36.884			
6,000.00	5,501.42	5,505.42	5,505.42	40.44	190.48	119.44	-1,179.65	-7,268.76	8,308.22	8,079.81	228.41	36.375			
6,100.00	5,591.09	5,604.91	5,595.09	41.19	193.95	119.69	-1,179.65	-7,268.76	8,331.88	8,099.34	232.54	35.830			
6,200.00	5,680.76	5,684.76	5,684.76	41.94	196.74	119.93	-1,179.65	-7,268.76	8,355.71	8,119.73	235.99	35.408			
6,300.00	5,770.43	5,774.43	5,774.43	42.70	199.87	120.18	-1,179.65	-7,268.76	8,379.71	8,139.94	239.77	34.949			
6,400.00	5,860.10	5,864.10	5,864.10	43.45	203.00	120.42	-1,179.65	-7,268.76	8,403.87	8,160.31	243.56	34.505			
6,500.00	5,949.77	5,953.77	5,953.77	44.20	206.13	120.66	-1,179.65	-7,268.76	8,428.20	8,180.86	247.34	34.075			
6,600.00	6,039.45	6,043.45	6,043.45	44.96	209.26	120.90	-1,179.65	-7,268.76	8,452.68	8,201.56	251.12	33.659			
6,700.00	6,129.12	6,133.12	6,133.12	45.71	212.39	121.13	-1,179.65	-7,268.76	8,477.33	8,222.43	254.90	33.257			
6,800.00	6,218.79	6,222.79	6,222.79	46.46	215.52	121.37	-1,179.65	-7,268.76	8,502.14	8,243.45	258.68	32.867			
6,900.00	6,308.46	6,312.46	6,312.46	47.22	218.65	121.60	-1,179.65	-7,268.76	8,527.10	8,264.64	262.46	32.489			
6,969.86	6,371.11	6,375.11	6,375.11	47.75	220.83	121.77	-1,179.65	-7,268.76	8,544.63	8,279.53	265.10	32.232			
7,000.00	6,398.25	6,402.25	6,402.25	47.97	221.78	116.54	-1,179.65	-7,268.76	8,551.53	8,285.29	266.24	32.120			
7,050.00	6,443.70	6,447.70	6,447.70	48.31	223.37	107.06	-1,179.65	-7,268.76	8,559.95	8,291.82	268.13	31.925			
7,100.00	6,489.42	6,506.58	6,493.42	48.61	225.42	97.02	-1,179.65	-7,268.76	8,564.56	8,294.09	270.46	31.666			
7,150.00	6,535.12	6,539.12	6,539.12	48.87	226.56	87.05	-1,179.65	-7,268.76	8,565.32	8,293.47	271.85	31.507			
7,200.00	6,580.53	6,584.53	6,584.53	49.09	228.14	77.80	-1,179.65	-7,268.76	8,562.25	8,288.60	273.65	31.289			
7,250.00	6,625.36	6,629.36	6,629.36	49.27	229.71	69.70	-1,179.65	-7,268.76	8,555.36	8,279.96	275.39	31.066			
7,300.00	6,669.35	6,673.35	6,673.35	49.42	231.24	62.90	-1,179.65	-7,268.76	8,544.69	8,267.62	277.06	30.840			
7,350.00	6,712.21	6,716.21	6,716.21	49.55	232.74	57.34	-1,179.65	-7,268.76	8,530.31	8,251.65	278.66	30.612			
7,400.00	6,753.69	6,757.69	6,757.69	49.65	234.19	52.91	-1,179.65	-7,268.76	8,512.32	8,232.14	280.17	30.382			
7,450.00	6,793.52	6,802.48	6,797.52	49.73	235.75	49.42	-1,179.65	-7,268.76	8,490.81	8,209.04	281.77	30.134			
7,500.00	6,831.47	6,835.47	6,835.47	49.81	236.90	46.74	-1,179.65	-7,268.76	8,465.93	8,183.01	282.93	29.923			
7,550.00	6,867.30	6,871.30	6,871.30	49.88	238.15	44.76	-1,179.65	-7,268.76	8,437.83	8,153.67	284.16	29.694			
7,600.00	6,900.78	6,904.78	6,904.78	49.95	239.32	43.40	-1,179.65	-7,268.76	8,406.67	8,121.38	285.29	29.467			
7,650.00	6,931.72	6,935.72	6,935.72	50.03	240.40	42.61	-1,179.65	-7,268.76	8,372.64	8,086.33	286.32	29.242			
7,700.00	6,959.92	6,963.92	6,963.92	50.11	241.39	42.38	-1,179.65	-7,268.76	8,335.95	8,048.72	287.24	29.021			
7,750.00	6,985.20	6,989.20	6,989.20	50.20	242.27	42.74	-1,179.65	-7,268.76	8,296.83	8,008.77	288.05	28.803			
7,800.00	7,007.41	7,011.41	7,011.41	50.30	243.05	43.78	-1,179.65	-7,268.76	8,255.49	7,966.74	288.76	28.590			
7,850.00	7,026.42	7,030.42	7,030.42	50.42	243.71	45.66	-1,179.65	-7,268.76	8,212.21	7,922.86	289.35	28.382			
7,900.00	7,042.11	7,046.11	7,046.11	50.57	244.26	48.69	-1,179.65	-7,268.76	8,167.22	7,877.39	289.83	28.180			
7,950.00	7,054.37	7,058.37	7,058.37	50.73	244.68	53.39	-1,179.65	-7,268.76	8,120.81	7,830.62	290.19	27.984			
8,000.00	7,063.14	7,067.14	7,067.14	50.92	244.99	60.76	-1,179.65	-7,268.76	8,073.26	7,782.82	290.45	27.796			
8,050.00	7,068.36	7,072.36	7,072.36	51.13	245.17	72.50	-1,179.65	-7,268.76	8,024.86	7,734.27	290.59	27.616			
8,094.17	7,070.00	7,074.00	7,074.00	51.34	245.23	88.42	-1,179.65	-7,268.76	7,981.61	7,690.99	290.62	27.464			
8,100.00	7,070.03	7,074.03	7,074.03	51.37	245.23	88.42	-1,179.65	-7,268.76	7,975.89	7,685.27	290.62	27.444			
8,200.00	7,070.55	7,074.55	7,074.55	51.94	245.25	88.44	-1,179.65	-7,268.76	7,877.67	7,587.07	290.59	27.109			
8,300.00	7,071.07	7,075.07	7,075.07	52.64	245.27	88.46	-1,179.65	-7,268.76	7,779.49	7,488.92	290.57	26.773			
8,400.00	7,071.60	7,075.60	7,075.60	53.49	245.29	88.48	-1,179.65	-7,268.76	7,681.36	7,390.80	290.56	26.437			
8,500.00	7,072.12	7,076.12	7,076.12	54.50	245.30	88.50	-1,179.65	-7,268.76	7,583.28	7,292.73	290.55	26.099			
8,600.00	7,072.64	7,076.64	7,076.64	55.69	245.32	88.52	-1,179.65	-7,268.76	7,485.26	7,194.70	290.56	25.762			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,700.00	7,073.17	7,077.17	7,077.17	57.04	245.34	88.54	-1,179.65	-7,268.76	7,387.28	7,096.71	290.58	25.423			
8,800.00	7,073.69	7,077.69	7,077.69	58.55	245.36	88.56	-1,179.65	-7,268.76	7,289.36	6,998.76	290.60	25.084			
8,900.00	7,074.21	7,078.21	7,078.21	60.21	245.38	88.58	-1,179.65	-7,268.76	7,191.50	6,900.86	290.64	24.744			
9,000.00	7,074.74	7,078.74	7,078.74	61.99	245.40	88.60	-1,179.65	-7,268.76	7,093.69	6,803.00	290.69	24.403			
9,100.00	7,075.26	7,079.26	7,079.26	63.88	245.41	88.62	-1,179.65	-7,268.76	6,995.95	6,705.20	290.75	24.062			
9,200.00	7,075.78	7,079.78	7,079.78	65.87	245.43	88.64	-1,179.65	-7,268.76	6,898.27	6,607.44	290.83	23.719			
9,300.00	7,076.30	7,080.30	7,080.30	67.95	245.45	88.66	-1,179.65	-7,268.76	6,800.67	6,509.74	290.92	23.376			
9,400.00	7,076.83	7,080.83	7,080.83	70.09	245.47	88.68	-1,179.65	-7,268.76	6,703.13	6,412.09	291.03	23.032			
9,500.00	7,077.35	7,081.35	7,081.35	72.30	245.49	88.70	-1,179.65	-7,268.76	6,605.66	6,314.50	291.16	22.687			
9,600.00	7,077.87	7,081.87	7,081.87	74.57	245.51	88.72	-1,179.65	-7,268.76	6,508.27	6,216.96	291.31	22.341			
9,700.00	7,078.40	7,082.40	7,082.40	76.88	245.52	88.74	-1,179.65	-7,268.76	6,410.96	6,119.49	291.48	21.995			
9,800.00	7,078.92	7,082.92	7,082.92	79.24	245.54	88.76	-1,179.65	-7,268.76	6,313.74	6,022.07	291.67	21.647			
9,900.00	7,079.44	7,083.44	7,083.44	81.63	245.56	88.78	-1,179.65	-7,268.76	6,216.60	5,924.72	291.88	21.298			
10,000.00	7,079.97	7,083.97	7,083.97	84.06	245.58	88.80	-1,179.65	-7,268.76	6,119.56	5,827.44	292.12	20.949			
10,100.00	7,080.49	7,084.49	7,084.49	86.52	245.60	88.82	-1,179.65	-7,268.76	6,022.61	5,730.23	292.39	20.598			
10,200.00	7,081.01	7,085.01	7,085.01	89.01	245.61	88.85	-1,179.65	-7,268.76	5,925.77	5,633.08	292.68	20.246			
10,300.00	7,081.54	7,085.54	7,085.54	91.52	245.63	88.87	-1,179.65	-7,268.76	5,829.03	5,536.02	293.01	19.894			
10,400.00	7,082.06	7,086.06	7,086.06	94.05	245.65	88.89	-1,179.65	-7,268.76	5,732.40	5,439.03	293.37	19.540			
10,500.00	7,082.58	7,086.58	7,086.58	96.61	245.67	88.91	-1,179.65	-7,268.76	5,635.89	5,342.13	293.76	19.185			
10,600.00	7,083.10	7,087.10	7,087.10	99.18	245.69	88.93	-1,179.65	-7,268.76	5,539.50	5,245.31	294.20	18.829			
10,700.00	7,083.63	7,087.63	7,087.63	101.77	245.71	88.95	-1,179.65	-7,268.76	5,443.25	5,148.58	294.67	18.472			
10,800.00	7,084.15	7,088.15	7,088.15	104.38	245.72	88.97	-1,179.65	-7,268.76	5,347.13	5,051.94	295.19	18.114			
10,900.00	7,084.67	7,088.67	7,088.67	107.00	245.74	88.99	-1,179.65	-7,268.76	5,251.16	4,955.40	295.75	17.755			
11,000.00	7,085.20	7,089.20	7,089.20	109.63	245.76	89.01	-1,179.65	-7,268.76	5,155.34	4,858.97	296.37	17.395			
11,100.00	7,085.72	7,089.72	7,089.72	112.27	245.78	89.03	-1,179.65	-7,268.76	5,059.68	4,762.65	297.03	17.034			
11,200.00	7,086.24	7,090.24	7,090.24	114.93	246.48	89.05	-1,179.65	-7,268.76	4,964.19	4,665.76	298.43	16.634			
11,300.00	7,086.77	7,090.23	7,090.77	117.59	246.46	89.07	-1,179.65	-7,268.76	4,868.88	4,569.71	299.18	16.274			
11,400.00	7,087.29	7,090.71	7,091.29	120.27	246.44	89.09	-1,179.65	-7,268.76	4,773.77	4,473.78	299.99	15.913			
11,500.00	7,087.81	7,091.19	7,091.81	122.95	246.42	89.11	-1,179.65	-7,268.76	4,678.86	4,378.00	300.86	15.552			
11,600.00	7,088.33	7,101.67	7,092.33	125.64	246.41	89.13	-1,179.65	-7,268.76	4,584.16	4,282.36	301.81	15.189			
11,700.00	7,088.86	7,107.14	7,092.86	128.34	246.39	89.15	-1,179.65	-7,268.76	4,489.70	4,186.87	302.83	14.826			
11,800.00	7,089.38	7,106.62	7,093.38	131.05	246.37	89.17	-1,179.65	-7,268.76	4,395.48	4,091.54	303.94	14.462			
11,900.00	7,089.90	7,106.10	7,093.90	133.76	246.35	89.19	-1,179.65	-7,268.76	4,301.52	3,996.39	305.13	14.098			
12,000.00	7,090.43	7,105.57	7,094.43	136.49	246.33	89.21	-1,179.65	-7,268.76	4,207.84	3,901.43	306.41	13.733			
12,100.00	7,090.95	7,105.05	7,094.95	139.21	246.31	89.23	-1,179.65	-7,268.76	4,114.46	3,806.67	307.79	13.368			
12,200.00	7,091.47	7,104.53	7,095.47	141.94	246.30	89.25	-1,179.65	-7,268.76	4,021.39	3,712.12	309.27	13.003			
12,300.00	7,092.00	7,104.00	7,096.00	144.68	246.28	89.27	-1,179.65	-7,268.76	3,928.67	3,617.81	310.86	12.638			
12,400.00	7,092.52	7,103.48	7,096.52	147.42	246.26	89.29	-1,179.65	-7,268.76	3,836.31	3,523.74	312.57	12.273			
12,500.00	7,093.04	7,102.96	7,097.04	150.17	246.24	89.31	-1,179.65	-7,268.76	3,744.34	3,429.94	314.40	11.909			
12,600.00	7,093.57	7,102.43	7,097.57	152.92	246.22	89.33	-1,179.65	-7,268.76	3,652.80	3,336.43	316.37	11.546			
12,700.00	7,094.09	7,101.91	7,098.09	155.67	246.20	89.35	-1,179.65	-7,268.76	3,561.71	3,243.24	318.47	11.184			
12,800.00	7,094.61	7,101.39	7,098.61	158.43	246.19	89.37	-1,179.65	-7,268.76	3,471.11	3,150.39	320.72	10.823			
12,900.00	7,095.13	7,100.87	7,099.13	161.19	246.17	89.39	-1,179.65	-7,268.76	3,381.04	3,057.91	323.13	10.463			
13,000.00	7,095.66	7,100.34	7,099.66	163.96	246.15	89.41	-1,179.65	-7,268.76	3,291.55	2,965.84	325.71	10.106			
13,100.00	7,096.18	7,100.18	7,100.18	166.73	246.14	89.43	-1,179.65	-7,268.76	3,202.67	2,874.19	328.48	9.750			
13,200.00	7,096.70	7,100.70	7,100.70	169.50	246.16	89.45	-1,179.65	-7,268.76	3,114.47	2,783.01	331.46	9.396			
13,256.62	7,097.00	7,101.00	7,101.00	171.07	246.17	89.46	-1,179.65	-7,268.76	3,064.86	2,731.62	333.24	9.197 CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-85.91	398.81	-5,574.97	5,589.22					
100.00	100.00	110.00	110.00	3.28	3.89	-85.91	398.81	-5,574.97	5,589.22	5,582.04	7.18	778.828		
200.00	200.00	210.00	210.00	3.34	6.48	-85.91	398.81	-5,574.97	5,589.22	5,579.40	9.81	569.487		
300.00	300.00	310.00	310.00	3.44	9.65	-85.91	398.81	-5,574.97	5,589.22	5,576.12	13.10	426.789		
400.00	399.98	409.98	409.98	3.60	12.99	120.60	398.81	-5,574.97	5,590.11	5,573.52	16.58	337.086		
500.00	499.84	509.84	509.84	3.79	16.38	120.60	398.81	-5,574.97	5,592.77	5,572.60	20.17	277.278		
600.00	599.45	609.45	609.45	4.02	19.80	120.60	398.81	-5,574.97	5,597.22	5,573.40	23.82	234.961		
700.00	698.70	708.70	708.70	4.29	23.23	120.60	398.81	-5,574.97	5,603.46	5,575.95	27.52	203.642		
800.00	797.47	807.47	807.47	4.59	26.65	120.60	398.81	-5,574.97	5,611.50	5,580.26	31.24	179.630		
900.00	895.62	905.62	905.62	4.93	30.05	120.59	398.81	-5,574.97	5,621.34	5,586.36	34.98	160.700		
1,000.00	993.06	1,003.06	1,003.06	5.31	33.43	120.58	398.81	-5,574.97	5,633.01	5,594.28	38.73	145.436		
1,100.00	1,089.64	1,100.36	1,099.64	5.72	36.81	120.57	398.81	-5,574.97	5,646.52	5,604.01	42.51	132.820		
1,200.00	1,185.27	1,204.73	1,195.27	6.16	40.44	120.55	398.81	-5,574.97	5,661.88	5,615.31	46.57	121.574		
1,300.00	1,279.82	1,289.82	1,289.82	6.64	43.41	120.52	398.81	-5,574.97	5,679.12	5,629.12	49.99	113.602		
1,400.00	1,373.17	1,383.17	1,383.17	7.16	46.66	120.48	398.81	-5,574.97	5,698.24	5,644.51	53.73	106.053		
1,500.00	1,465.21	1,475.21	1,475.21	7.71	49.86	120.43	398.81	-5,574.97	5,719.27	5,661.82	57.46	99.542		
1,600.00	1,555.84	1,565.84	1,565.84	8.31	53.02	120.36	398.81	-5,574.97	5,742.24	5,681.07	61.16	93.882		
1,613.50	1,567.96	1,577.96	1,577.96	8.39	53.44	120.35	398.81	-5,574.97	5,745.49	5,683.82	61.66	93.173		
1,700.00	1,645.53	1,655.53	1,655.53	8.93	56.14	120.65	398.81	-5,574.97	5,766.51	5,701.64	64.86	88.900		
1,800.00	1,735.20	1,745.20	1,745.20	9.58	59.27	121.00	398.81	-5,574.97	5,791.03	5,722.45	68.58	84.444		
1,900.00	1,824.87	1,834.87	1,834.87	10.25	62.40	121.35	398.81	-5,574.97	5,815.78	5,743.48	72.30	80.435		
2,000.00	1,914.54	1,924.54	1,924.54	10.92	65.52	121.69	398.81	-5,574.97	5,840.77	5,764.73	76.04	76.812		
2,100.00	2,004.21	2,014.21	2,014.21	11.61	68.65	122.03	398.81	-5,574.97	5,865.98	5,786.20	79.78	73.524		
2,200.00	2,093.89	2,103.89	2,103.89	12.30	71.78	122.37	398.81	-5,574.97	5,891.42	5,807.89	83.53	70.529		
2,300.00	2,183.56	2,206.44	2,193.56	13.01	75.35	122.71	398.81	-5,574.97	5,917.08	5,829.34	87.74	67.443		
2,400.00	2,273.23	2,283.23	2,283.23	13.71	78.03	123.04	398.81	-5,574.97	5,942.96	5,851.91	91.04	65.276		
2,500.00	2,362.90	2,372.90	2,372.90	14.43	81.16	123.37	398.81	-5,574.97	5,969.05	5,874.25	94.80	62.963		
2,600.00	2,452.57	2,462.57	2,462.57	15.14	84.29	123.70	398.81	-5,574.97	5,995.36	5,896.79	98.57	60.826		
2,700.00	2,542.25	2,552.25	2,552.25	15.87	87.42	124.02	398.81	-5,574.97	6,021.87	5,919.55	102.33	58.848		
2,800.00	2,631.92	2,641.92	2,641.92	16.59	90.54	124.35	398.81	-5,574.97	6,048.60	5,942.51	106.09	57.012		
2,900.00	2,721.59	2,731.59	2,731.59	17.32	93.67	124.67	398.81	-5,574.97	6,075.53	5,965.67	109.86	55.303		
3,000.00	2,811.26	2,821.26	2,821.26	18.05	96.80	124.99	398.81	-5,574.97	6,102.66	5,989.04	113.63	53.709		
3,100.00	2,900.93	2,910.93	2,910.93	18.78	99.93	125.30	398.81	-5,574.97	6,129.99	6,012.60	117.39	52.219		
3,200.00	2,990.60	3,000.60	3,000.60	19.51	103.06	125.62	398.81	-5,574.97	6,157.52	6,036.37	121.16	50.823		
3,300.00	3,080.28	3,109.72	3,090.28	20.25	106.87	125.93	398.81	-5,574.97	6,185.24	6,059.64	125.60	49.245		
3,400.00	3,169.95	3,179.95	3,179.95	20.99	109.32	126.24	398.81	-5,574.97	6,213.16	6,084.47	128.69	48.281		
3,500.00	3,259.62	3,269.62	3,269.62	21.73	112.44	126.54	398.81	-5,574.97	6,241.26	6,108.81	132.45	47.121		
3,600.00	3,349.29	3,359.29	3,359.29	22.47	115.57	126.85	398.81	-5,574.97	6,269.55	6,133.34	136.21	46.027		
3,700.00	3,438.96	3,448.96	3,448.96	23.21	118.70	127.15	398.81	-5,574.97	6,298.03	6,158.05	139.98	44.994		
3,800.00	3,528.64	3,538.64	3,538.64	23.95	121.83	127.45	398.81	-5,574.97	6,326.68	6,182.94	143.74	44.016		
3,900.00	3,618.31	3,628.31	3,628.31	24.69	124.96	127.74	398.81	-5,574.97	6,355.52	6,208.02	147.50	43.089		
4,000.00	3,707.98	3,717.98	3,717.98	25.44	128.09	128.04	398.81	-5,574.97	6,384.53	6,233.27	151.26	42.210		
4,100.00	3,797.65	3,807.65	3,807.65	26.18	131.22	128.33	398.81	-5,574.97	6,413.71	6,258.70	155.01	41.375		
4,200.00	3,887.32	3,902.68	3,897.32	26.93	134.54	128.62	398.81	-5,574.97	6,443.07	6,284.11	158.96	40.533		
4,300.00	3,976.99	3,986.99	3,986.99	27.68	137.48	128.91	398.81	-5,574.97	6,472.59	6,310.07	162.53	39.825		
4,400.00	4,066.67	4,076.67	4,076.67	28.42	140.61	129.19	398.81	-5,574.97	6,502.29	6,336.01	166.28	39.105		
4,500.00	4,156.34	4,166.34	4,166.34	29.17	143.74	129.48	398.81	-5,574.97	6,532.15	6,362.12	170.03	38.417		
4,600.00	4,246.01	4,256.01	4,256.01	29.92	146.87	129.76	398.81	-5,574.97	6,562.17	6,388.39	173.78	37.761		
4,700.00	4,335.68	4,345.68	4,345.68	30.67	150.00	130.04	398.81	-5,574.97	6,592.35	6,414.82	177.53	37.133		
4,800.00	4,425.35	4,435.35	4,435.35	31.42	153.13	130.31	398.81	-5,574.97	6,622.69	6,441.41	181.28	36.533		
4,900.00	4,515.03	4,525.03	4,525.03	32.17	156.26	130.58	398.81	-5,574.97	6,653.19	6,468.16	185.03	35.958		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,614.70	4,614.70	32.92	159.39	130.86	398.81	-5,574.97	6,683.84	6,495.06	188.77	35.407		
5,100.00	4,694.37	4,704.37	4,704.37	33.67	162.52	131.13	398.81	-5,574.97	6,714.64	6,522.12	192.52	34.878		
5,200.00	4,784.04	4,805.96	4,794.04	34.42	166.06	131.39	398.81	-5,574.97	6,745.59	6,548.91	196.67	34.298		
5,300.00	4,873.71	4,883.71	4,883.71	35.17	168.78	131.66	398.81	-5,574.97	6,776.69	6,576.69	200.00	33.884		
5,400.00	4,963.38	4,973.38	4,973.38	35.92	171.91	131.92	398.81	-5,574.97	6,807.93	6,604.19	203.74	33.415		
5,500.00	5,053.06	5,063.06	5,063.06	36.67	175.04	132.18	398.81	-5,574.97	6,839.32	6,631.84	207.48	32.964		
5,600.00	5,142.73	5,152.73	5,152.73	37.43	178.17	132.44	398.81	-5,574.97	6,870.85	6,659.64	211.21	32.530		
5,700.00	5,232.40	5,242.40	5,242.40	38.18	181.30	132.70	398.81	-5,574.97	6,902.52	6,687.57	214.95	32.112		
5,800.00	5,322.07	5,332.07	5,332.07	38.93	184.43	132.95	398.81	-5,574.97	6,934.33	6,715.65	218.68	31.709		
5,900.00	5,411.74	5,421.74	5,421.74	39.68	187.56	133.20	398.81	-5,574.97	6,966.27	6,743.86	222.42	31.321		
6,000.00	5,501.42	5,511.42	5,511.42	40.44	190.69	133.45	398.81	-5,574.97	6,998.35	6,772.21	226.15	30.946		
6,100.00	5,591.09	5,601.09	5,601.09	41.19	193.82	133.70	398.81	-5,574.97	7,030.56	6,800.69	229.88	30.584		
6,200.00	5,680.76	5,709.24	5,690.76	41.94	197.59	133.95	398.81	-5,574.97	7,062.90	6,828.65	234.25	30.151		
6,300.00	5,770.43	5,780.43	5,780.43	42.70	200.08	134.19	398.81	-5,574.97	7,095.37	6,858.04	237.33	29.896		
6,400.00	5,860.10	5,870.10	5,870.10	43.45	203.21	134.43	398.81	-5,574.97	7,127.97	6,886.91	241.06	29.569		
6,500.00	5,949.77	5,959.77	5,959.77	44.20	206.34	134.67	398.81	-5,574.97	7,160.69	6,915.91	244.78	29.253		
6,600.00	6,039.45	6,049.45	6,049.45	44.96	209.47	134.91	398.81	-5,574.97	7,193.54	6,945.03	248.51	28.947		
6,700.00	6,129.12	6,139.12	6,139.12	45.71	212.60	135.15	398.81	-5,574.97	7,226.50	6,974.27	252.23	28.651		
6,800.00	6,218.79	6,228.79	6,228.79	46.46	215.73	135.38	398.81	-5,574.97	7,259.59	7,003.64	255.95	28.363		
6,900.00	6,308.46	6,318.46	6,318.46	47.22	218.86	135.61	398.81	-5,574.97	7,292.80	7,033.13	259.67	28.085		
6,969.86	6,371.11	6,381.11	6,381.11	47.75	221.04	135.77	398.81	-5,574.97	7,316.06	7,053.80	262.27	27.895		
7,000.00	6,398.25	6,408.25	6,408.25	47.97	221.99	130.30	398.81	-5,574.97	7,325.49	7,062.10	263.39	27.812		
7,050.00	6,443.70	6,453.70	6,453.70	48.31	223.58	120.50	398.81	-5,574.97	7,338.34	7,073.08	265.26	27.665		
7,100.00	6,489.42	6,500.58	6,499.42	48.61	225.21	110.22	398.81	-5,574.97	7,347.65	7,080.49	267.16	27.503		
7,150.00	6,535.12	6,545.12	6,545.12	48.87	226.77	100.10	398.81	-5,574.97	7,353.38	7,084.43	268.95	27.341		
7,200.00	6,580.53	6,609.47	6,590.53	49.09	229.02	90.76	398.81	-5,574.97	7,355.50	7,084.10	271.41	27.101		
7,250.00	6,625.36	6,635.36	6,635.36	49.27	229.92	82.65	398.81	-5,574.97	7,354.02	7,081.53	272.49	26.989		
7,300.00	6,669.35	6,679.35	6,679.35	49.42	231.45	75.90	398.81	-5,574.97	7,348.94	7,074.79	274.16	26.806		
7,350.00	6,712.21	6,722.21	6,722.21	49.55	232.95	70.47	398.81	-5,574.97	7,340.32	7,064.57	275.75	26.620		
7,400.00	6,753.69	6,763.69	6,763.69	49.65	234.40	66.23	398.81	-5,574.97	7,328.21	7,050.96	277.26	26.431		
7,450.00	6,793.52	6,803.52	6,803.52	49.73	235.79	63.01	398.81	-5,574.97	7,312.70	7,034.03	278.67	26.241		
7,500.00	6,831.47	6,841.47	6,841.47	49.81	237.11	60.66	398.81	-5,574.97	7,293.90	7,013.90	279.99	26.050		
7,550.00	6,867.30	6,877.30	6,877.30	49.88	238.36	59.09	398.81	-5,574.97	7,271.91	6,990.70	281.22	25.859		
7,600.00	6,900.78	6,910.78	6,910.78	49.95	239.53	58.20	398.81	-5,574.97	7,246.90	6,964.56	282.34	25.668		
7,650.00	6,931.72	6,941.72	6,941.72	50.03	240.61	57.96	398.81	-5,574.97	7,219.00	6,935.65	283.35	25.477		
7,700.00	6,959.92	6,969.92	6,969.92	50.11	241.60	58.34	398.81	-5,574.97	7,188.40	6,904.14	284.26	25.288		
7,750.00	6,985.20	7,004.80	6,995.20	50.20	242.81	59.35	398.81	-5,574.97	7,155.28	6,869.88	285.40	25.071		
7,800.00	7,007.41	7,017.41	7,017.41	50.30	243.26	61.03	398.81	-5,574.97	7,119.85	6,834.08	285.77	24.915		
7,850.00	7,026.42	7,036.42	7,036.42	50.42	243.92	63.44	398.81	-5,574.97	7,082.32	6,795.96	286.36	24.732		
7,900.00	7,042.11	7,052.11	7,052.11	50.57	244.47	66.69	398.81	-5,574.97	7,042.92	6,756.07	286.85	24.553		
7,950.00	7,054.37	7,064.37	7,064.37	50.73	244.89	70.88	398.81	-5,574.97	7,001.88	6,714.65	287.23	24.377		
8,000.00	7,063.14	7,073.14	7,073.14	50.92	245.20	76.15	398.81	-5,574.97	6,959.45	6,671.94	287.51	24.206		
8,050.00	7,068.36	7,078.36	7,078.36	51.13	245.38	82.63	398.81	-5,574.97	6,915.87	6,628.19	287.69	24.040		
8,094.17	7,070.00	7,080.00	7,080.00	51.34	245.44	89.40	398.81	-5,574.97	6,876.64	6,588.89	287.75	23.898		
8,100.00	7,070.03	7,080.03	7,080.03	51.37	245.44	89.40	398.81	-5,574.97	6,871.43	6,583.67	287.76	23.879		
8,200.00	7,070.55	7,080.55	7,080.55	51.94	245.46	89.41	398.81	-5,574.97	6,782.12	6,494.28	287.84	23.562		
8,300.00	7,071.07	7,081.07	7,081.07	52.64	245.48	89.42	398.81	-5,574.97	6,693.12	6,405.14	287.98	23.242		
8,400.00	7,071.60	7,081.60	7,081.60	53.49	245.50	89.43	398.81	-5,574.97	6,604.43	6,316.27	288.17	22.919		
8,500.00	7,072.12	7,082.12	7,082.12	54.50	245.51	89.44	398.81	-5,574.97	6,516.07	6,227.66	288.42	22.592		
8,600.00	7,072.64	7,082.64	7,082.64	55.69	245.53	89.45	398.81	-5,574.97	6,428.06	6,139.32	288.73	22.263		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,083.17	7,083.17	57.04	245.55	89.46	398.81	-5,574.97	6,340.39	6,051.28	289.11	21.930		
8,800.00	7,073.69	7,083.69	7,083.69	58.55	245.57	89.47	398.81	-5,574.97	6,253.10	5,963.54	289.56	21.595		
8,900.00	7,074.21	7,084.21	7,084.21	60.21	245.59	89.48	398.81	-5,574.97	6,166.20	5,876.11	290.09	21.256		
9,000.00	7,074.74	7,084.74	7,084.74	61.99	245.60	89.49	398.81	-5,574.97	6,079.69	5,789.00	290.69	20.915		
9,100.00	7,075.26	7,085.26	7,085.26	63.88	245.62	89.50	398.81	-5,574.97	5,993.61	5,702.24	291.37	20.570		
9,200.00	7,075.78	7,085.78	7,085.78	65.87	245.64	89.51	398.81	-5,574.97	5,907.96	5,615.82	292.14	20.223		
9,300.00	7,076.30	7,086.30	7,086.30	67.95	245.66	89.52	398.81	-5,574.97	5,822.77	5,529.78	292.99	19.874		
9,400.00	7,076.83	7,086.83	7,086.83	70.09	245.68	89.53	398.81	-5,574.97	5,738.06	5,444.13	293.93	19.522		
9,500.00	7,077.35	7,087.35	7,087.35	72.30	245.70	89.54	398.81	-5,574.97	5,653.85	5,358.89	294.96	19.168		
9,600.00	7,077.87	7,087.87	7,087.87	74.57	245.71	89.55	398.81	-5,574.97	5,570.16	5,274.08	296.09	18.812		
9,700.00	7,078.40	7,088.40	7,088.40	76.88	245.73	89.56	398.81	-5,574.97	5,487.02	5,189.71	297.31	18.455		
9,800.00	7,078.92	7,088.92	7,088.92	79.24	245.75	89.57	398.81	-5,574.97	5,404.45	5,105.82	298.63	18.097		
9,900.00	7,079.44	7,089.44	7,089.44	81.63	245.77	89.58	398.81	-5,574.97	5,322.48	5,022.42	300.05	17.738		
10,000.00	7,079.97	7,089.97	7,089.97	84.06	245.79	89.59	398.81	-5,574.97	5,241.13	4,939.55	301.58	17.379		
10,100.00	7,080.49	7,090.49	7,090.49	86.52	246.47	89.60	398.81	-5,574.97	5,160.44	4,856.57	303.87	16.982		
10,200.00	7,081.01	7,091.01	7,091.01	89.01	246.45	89.61	398.81	-5,574.97	5,080.43	4,774.87	305.56	16.626		
10,300.00	7,081.54	7,091.54	7,091.54	91.52	246.43	89.61	398.81	-5,574.97	5,001.15	4,693.78	307.37	16.271		
10,400.00	7,082.06	7,092.06	7,092.06	94.05	246.42	89.62	398.81	-5,574.97	4,922.62	4,613.34	309.28	15.917		
10,500.00	7,082.58	7,092.58	7,092.58	96.61	246.40	89.63	398.81	-5,574.97	4,844.88	4,533.58	311.29	15.564		
10,600.00	7,083.10	7,093.10	7,093.10	99.18	246.38	89.64	398.81	-5,574.97	4,767.97	4,454.54	313.42	15.213		
10,700.00	7,083.63	7,093.63	7,093.63	101.77	246.36	89.65	398.81	-5,574.97	4,691.93	4,376.27	315.66	14.864		
10,800.00	7,084.15	7,094.15	7,094.15	104.38	246.34	89.66	398.81	-5,574.97	4,616.80	4,298.79	318.01	14.518		
10,900.00	7,084.67	7,094.67	7,094.67	107.00	246.32	89.67	398.81	-5,574.97	4,542.63	4,222.16	320.47	14.175		
11,000.00	7,085.20	7,095.20	7,095.20	109.63	246.31	89.68	398.81	-5,574.97	4,469.47	4,146.43	323.05	13.835		
11,100.00	7,085.72	7,095.72	7,095.72	112.27	246.29	89.69	398.81	-5,574.97	4,397.37	4,071.63	325.74	13.500		
11,200.00	7,086.24	7,096.24	7,096.24	114.93	246.27	89.70	398.81	-5,574.97	4,326.38	3,997.84	328.54	13.169		
11,300.00	7,086.77	7,096.77	7,096.77	117.59	246.25	89.71	398.81	-5,574.97	4,256.55	3,925.10	331.45	12.842		
11,400.00	7,087.29	7,097.29	7,097.29	120.27	246.23	89.72	398.81	-5,574.97	4,187.94	3,853.46	334.48	12.521		
11,500.00	7,087.81	7,097.81	7,097.81	122.95	246.21	89.73	398.81	-5,574.97	4,120.62	3,783.00	337.62	12.205		
11,600.00	7,088.33	7,098.33	7,098.33	125.64	246.20	89.74	398.81	-5,574.97	4,054.65	3,713.78	340.87	11.895		
11,700.00	7,088.86	7,098.86	7,098.86	128.34	246.18	89.75	398.81	-5,574.97	3,990.10	3,645.87	344.23	11.591		
11,800.00	7,089.38	7,099.38	7,099.38	131.05	246.16	89.76	398.81	-5,574.97	3,927.03	3,579.33	347.70	11.294		
11,900.00	7,089.90	7,099.90	7,099.90	133.76	246.14	89.77	398.81	-5,574.97	3,865.52	3,514.25	351.27	11.004		
12,000.00	7,090.43	7,100.43	7,100.43	136.49	246.15	89.78	398.81	-5,574.97	3,805.64	3,450.67	354.97	10.721		
12,100.00	7,090.95	7,100.95	7,100.95	139.21	246.17	89.79	398.81	-5,574.97	3,747.47	3,388.69	358.78	10.445		
12,200.00	7,091.47	7,101.47	7,101.47	141.94	246.19	89.80	398.81	-5,574.97	3,691.10	3,328.42	362.68	10.177		
12,300.00	7,092.00	7,102.00	7,102.00	144.68	246.21	89.81	398.81	-5,574.97	3,636.60	3,269.94	366.67	9.918		
12,400.00	7,092.52	7,102.52	7,102.52	147.42	246.23	89.82	398.81	-5,574.97	3,584.07	3,213.34	370.73	9.668		
12,500.00	7,093.04	7,103.04	7,103.04	150.17	246.24	89.83	398.81	-5,574.97	3,533.58	3,158.71	374.87	9.426		
12,600.00	7,093.57	7,103.57	7,103.57	152.92	246.26	89.84	398.81	-5,574.97	3,485.24	3,106.17	379.07	9.194		
12,700.00	7,094.09	7,104.09	7,104.09	155.67	246.28	89.85	398.81	-5,574.97	3,439.12	3,055.80	383.32	8.972		
12,800.00	7,094.61	7,104.61	7,104.61	158.43	246.30	89.86	398.81	-5,574.97	3,395.32	3,007.70	387.62	8.759		
12,900.00	7,095.13	7,105.13	7,105.13	161.19	246.32	89.87	398.81	-5,574.97	3,353.93	2,961.99	391.94	8.557		
13,000.00	7,095.66	7,105.66	7,105.66	163.96	246.34	89.88	398.81	-5,574.97	3,315.05	2,918.76	396.28	8.365		
13,100.00	7,096.18	7,106.18	7,106.18	166.73	246.35	89.89	398.81	-5,574.97	3,278.75	2,878.13	400.62	8.184		
13,200.00	7,096.70	7,106.70	7,106.70	169.50	246.37	89.90	398.81	-5,574.97	3,245.13	2,840.18	404.95	8.014		
13,256.62	7,097.00	7,107.00	7,107.00	171.07	246.38	89.90	398.81	-5,574.97	3,227.31	2,819.92	407.39	7.922 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	16.00	16.00	3.28	3.29	-86.04	223.89	-3,230.37	3,238.12					
100.00	100.00	116.00	116.00	3.28	4.01	-86.04	223.89	-3,230.37	3,238.12	3,230.83	7.29	444.000		
200.00	200.00	216.00	216.00	3.34	6.66	-86.04	223.89	-3,230.37	3,238.12	3,228.13	10.00	323.944		
300.00	300.00	316.00	316.00	3.44	9.85	-86.04	223.89	-3,230.37	3,238.12	3,224.83	13.29	243.592		
400.00	399.98	415.98	415.98	3.60	13.19	120.49	223.89	-3,230.37	3,239.01	3,222.22	16.79	192.955		
500.00	499.84	515.84	515.84	3.79	16.59	120.52	223.89	-3,230.37	3,241.67	3,221.29	20.38	159.096		
600.00	599.45	615.45	615.45	4.02	20.01	120.58	223.89	-3,230.37	3,246.11	3,222.08	24.03	135.094		
700.00	698.70	714.70	714.70	4.29	23.44	120.65	223.89	-3,230.37	3,252.35	3,224.63	27.72	117.313		
800.00	797.47	813.47	813.47	4.59	26.85	120.75	223.89	-3,230.37	3,260.41	3,228.97	31.45	103.680		
900.00	895.62	911.62	911.62	4.93	30.26	120.86	223.89	-3,230.37	3,270.32	3,235.13	35.19	92.937		
1,000.00	993.06	1,009.06	1,009.06	5.31	33.64	120.99	223.89	-3,230.37	3,282.10	3,243.16	38.94	84.286		
1,100.00	1,089.64	1,105.64	1,105.64	5.72	37.00	121.13	223.89	-3,230.37	3,295.80	3,253.10	42.70	77.193		
1,200.00	1,185.27	1,201.27	1,201.27	6.16	40.32	121.28	223.89	-3,230.37	3,311.44	3,264.99	46.45	71.291		
1,300.00	1,279.82	1,304.18	1,295.82	6.64	43.91	121.43	223.89	-3,230.37	3,329.08	3,278.59	50.49	65.938		
1,400.00	1,373.17	1,389.17	1,389.17	7.16	46.87	121.59	223.89	-3,230.37	3,348.75	3,294.81	53.93	62.090		
1,500.00	1,465.21	1,481.21	1,481.21	7.71	50.07	121.74	223.89	-3,230.37	3,370.50	3,312.84	57.66	58.459		
1,600.00	1,555.84	1,571.84	1,571.84	8.31	53.23	121.89	223.89	-3,230.37	3,394.38	3,333.02	61.36	55.321		
1,613.50	1,567.96	1,583.96	1,583.96	8.39	53.65	121.91	223.89	-3,230.37	3,397.77	3,335.91	61.86	54.929		
1,700.00	1,645.53	1,661.53	1,661.53	8.93	56.35	122.42	223.89	-3,230.37	3,419.75	3,354.70	65.05	52.570		
1,800.00	1,735.20	1,751.20	1,751.20	9.58	59.48	122.99	223.89	-3,230.37	3,445.52	3,376.76	68.75	50.113		
1,900.00	1,824.87	1,840.87	1,840.87	10.25	62.61	123.56	223.89	-3,230.37	3,471.66	3,399.19	72.47	47.905		
2,000.00	1,914.54	1,930.54	1,930.54	10.92	65.73	124.13	223.89	-3,230.37	3,498.17	3,421.97	76.19	45.913		
2,100.00	2,004.21	2,020.21	2,020.21	11.61	68.86	124.68	223.89	-3,230.37	3,525.03	3,445.11	79.92	44.107		
2,200.00	2,093.89	2,109.89	2,109.89	12.30	71.99	125.23	223.89	-3,230.37	3,552.24	3,468.59	83.65	42.465		
2,300.00	2,183.56	2,200.44	2,199.56	13.01	75.14	125.77	223.89	-3,230.37	3,579.79	3,492.37	87.42	40.950		
2,400.00	2,273.23	2,289.23	2,289.23	13.71	78.24	126.30	223.89	-3,230.37	3,607.68	3,516.55	91.12	39.590		
2,500.00	2,362.90	2,378.90	2,378.90	14.43	81.37	126.83	223.89	-3,230.37	3,635.89	3,541.02	94.86	38.327		
2,600.00	2,452.57	2,468.57	2,468.57	15.14	84.50	127.35	223.89	-3,230.37	3,664.41	3,565.81	98.60	37.163		
2,700.00	2,542.25	2,558.25	2,558.25	15.87	87.62	127.86	223.89	-3,230.37	3,693.25	3,590.91	102.34	36.087		
2,800.00	2,631.92	2,647.92	2,647.92	16.59	90.75	128.36	223.89	-3,230.37	3,722.39	3,616.31	106.08	35.090		
2,900.00	2,721.59	2,737.59	2,737.59	17.32	93.88	128.86	223.89	-3,230.37	3,751.83	3,642.00	109.82	34.163		
3,000.00	2,811.26	2,827.26	2,827.26	18.05	97.01	129.35	223.89	-3,230.37	3,781.55	3,667.99	113.56	33.300		
3,100.00	2,900.93	2,916.93	2,916.93	18.78	100.14	129.83	223.89	-3,230.37	3,811.56	3,694.26	117.30	32.495		
3,200.00	2,990.60	3,006.60	3,006.60	19.51	103.27	130.31	223.89	-3,230.37	3,841.84	3,720.81	121.03	31.742		
3,300.00	3,080.28	3,103.72	3,096.28	20.25	106.66	130.78	223.89	-3,230.37	3,872.39	3,747.36	125.03	30.973		
3,400.00	3,169.95	3,185.95	3,185.95	20.99	109.53	131.24	223.89	-3,230.37	3,903.20	3,774.71	128.50	30.376		
3,500.00	3,259.62	3,275.62	3,275.62	21.73	112.65	131.70	223.89	-3,230.37	3,934.27	3,802.05	132.23	29.754		
3,600.00	3,349.29	3,365.29	3,365.29	22.47	115.78	132.15	223.89	-3,230.37	3,965.60	3,829.64	135.96	29.168		
3,700.00	3,438.96	3,454.96	3,454.96	23.21	118.91	132.60	223.89	-3,230.37	3,997.16	3,857.48	139.68	28.616		
3,800.00	3,528.64	3,544.64	3,544.64	23.95	122.04	133.04	223.89	-3,230.37	4,028.97	3,885.56	143.41	28.094		
3,900.00	3,618.31	3,634.31	3,634.31	24.69	125.17	133.47	223.89	-3,230.37	4,061.01	3,913.87	147.13	27.601		
4,000.00	3,707.98	3,723.98	3,723.98	25.44	128.30	133.89	223.89	-3,230.37	4,093.27	3,942.42	150.85	27.134		
4,100.00	3,797.65	3,813.65	3,813.65	26.18	131.43	134.31	223.89	-3,230.37	4,125.76	3,971.18	154.57	26.691		
4,200.00	3,887.32	3,903.32	3,903.32	26.93	134.56	134.73	223.89	-3,230.37	4,158.47	4,000.17	158.29	26.271		
4,300.00	3,976.99	4,007.01	3,992.99	27.68	138.18	135.14	223.89	-3,230.37	4,191.38	4,028.89	162.50	25.794		
4,400.00	4,066.67	4,082.67	4,082.67	28.42	140.82	135.54	223.89	-3,230.37	4,224.51	4,058.79	165.72	25.491		
4,500.00	4,156.34	4,172.34	4,172.34	29.17	143.95	135.94	223.89	-3,230.37	4,257.84	4,088.40	169.43	25.130		
4,600.00	4,246.01	4,262.01	4,262.01	29.92	147.08	136.33	223.89	-3,230.37	4,291.36	4,118.22	173.15	24.785		
4,700.00	4,335.68	4,351.68	4,351.68	30.67	150.21	136.71	223.89	-3,230.37	4,325.08	4,148.23	176.85	24.456		
4,800.00	4,425.35	4,441.35	4,441.35	31.42	153.34	137.09	223.89	-3,230.37	4,358.99	4,178.42	180.56	24.141		
4,900.00	4,515.03	4,531.03	4,531.03	32.17	156.47	137.47	223.89	-3,230.37	4,393.08	4,208.81	184.27	23.841		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,620.70	4,620.70	32.92	159.60	137.84	223.89	-3,230.37	4,427.35	4,239.38	187.97	23.554		
5,100.00	4,694.37	4,710.37	4,710.37	33.67	162.73	138.20	223.89	-3,230.37	4,461.79	4,270.12	191.67	23.278		
5,200.00	4,784.04	4,800.04	4,800.04	34.42	165.86	138.56	223.89	-3,230.37	4,496.41	4,301.04	195.37	23.015		
5,300.00	4,873.71	4,889.71	4,889.71	35.17	168.99	138.92	223.89	-3,230.37	4,531.20	4,332.13	199.07	22.762		
5,400.00	4,963.38	4,979.38	4,979.38	35.92	172.12	139.27	223.89	-3,230.37	4,566.15	4,363.38	202.77	22.519		
5,500.00	5,053.06	5,069.06	5,069.06	36.67	175.25	139.61	223.89	-3,230.37	4,601.26	4,394.80	206.46	22.286		
5,600.00	5,142.73	5,158.73	5,158.73	37.43	178.38	139.95	223.89	-3,230.37	4,636.53	4,426.37	210.16	22.062		
5,700.00	5,232.40	5,248.40	5,248.40	38.18	181.51	140.29	223.89	-3,230.37	4,671.95	4,458.10	213.85	21.847		
5,800.00	5,322.07	5,338.07	5,338.07	38.93	184.64	140.62	223.89	-3,230.37	4,707.52	4,489.98	217.54	21.640		
5,900.00	5,411.74	5,427.74	5,427.74	39.68	187.77	140.94	223.89	-3,230.37	4,743.24	4,522.00	221.23	21.440		
6,000.00	5,501.42	5,517.42	5,517.42	40.44	190.90	141.26	223.89	-3,230.37	4,779.09	4,554.17	224.92	21.248		
6,100.00	5,591.09	5,607.09	5,607.09	41.19	194.03	141.58	223.89	-3,230.37	4,815.09	4,586.49	228.61	21.063		
6,200.00	5,680.76	5,703.24	5,696.76	41.94	197.38	141.89	223.89	-3,230.37	4,851.23	4,618.71	232.52	20.864		
6,300.00	5,770.43	5,786.43	5,786.43	42.70	200.29	142.20	223.89	-3,230.37	4,887.50	4,651.52	235.98	20.712		
6,400.00	5,860.10	5,876.10	5,876.10	43.45	203.42	142.50	223.89	-3,230.37	4,923.90	4,684.24	239.66	20.545		
6,500.00	5,949.77	5,965.77	5,965.77	44.20	206.55	142.80	223.89	-3,230.37	4,960.43	4,717.08	243.34	20.384		
6,600.00	6,039.45	6,055.45	6,055.45	44.96	209.68	143.10	223.89	-3,230.37	4,997.08	4,750.05	247.03	20.229		
6,700.00	6,129.12	6,145.12	6,145.12	45.71	212.81	143.39	223.89	-3,230.37	5,033.85	4,783.15	250.71	20.079		
6,800.00	6,218.79	6,234.79	6,234.79	46.46	215.94	143.68	223.89	-3,230.37	5,070.75	4,816.36	254.39	19.933		
6,900.00	6,308.46	6,324.46	6,324.46	47.22	219.07	143.96	223.89	-3,230.37	5,107.76	4,849.70	258.07	19.793		
6,969.86	6,371.11	6,387.11	6,387.11	47.75	221.25	144.16	223.89	-3,230.37	5,133.69	4,873.05	260.63	19.697		
7,000.00	6,398.25	6,414.25	6,414.25	47.97	222.20	138.52	223.89	-3,230.37	5,144.31	4,882.56	261.74	19.654		
7,050.00	6,443.70	6,459.70	6,459.70	48.31	223.79	128.50	223.89	-3,230.37	5,159.37	4,895.77	263.59	19.573		
7,100.00	6,489.42	6,505.42	6,505.42	48.61	225.38	118.04	223.89	-3,230.37	5,171.16	4,905.72	265.44	19.482		
7,150.00	6,535.12	6,551.12	6,551.12	48.87	226.98	107.78	223.89	-3,230.37	5,179.63	4,912.37	267.26	19.381		
7,200.00	6,580.53	6,603.47	6,596.53	49.09	228.81	98.35	223.89	-3,230.37	5,184.75	4,915.47	269.28	19.254		
7,250.00	6,625.36	6,641.36	6,641.36	49.27	230.13	90.18	223.89	-3,230.37	5,186.51	4,915.75	270.77	19.155		
7,300.00	6,669.35	6,685.35	6,685.35	49.42	231.66	83.41	223.89	-3,230.37	5,184.92	4,912.49	272.43	19.032		
7,350.00	6,712.21	6,728.21	6,728.21	49.55	233.16	77.98	223.89	-3,230.37	5,180.01	4,906.00	274.01	18.904		
7,400.00	6,753.69	6,769.69	6,769.69	49.65	234.61	73.76	223.89	-3,230.37	5,171.84	4,896.33	275.51	18.772		
7,450.00	6,793.52	6,809.52	6,809.52	49.73	236.00	70.58	223.89	-3,230.37	5,160.46	4,883.55	276.92	18.635		
7,500.00	6,831.47	6,847.47	6,847.47	49.81	237.32	68.30	223.89	-3,230.37	5,145.99	4,867.75	278.23	18.495		
7,550.00	6,867.30	6,883.30	6,883.30	49.88	238.57	66.79	223.89	-3,230.37	5,128.52	4,849.06	279.45	18.352		
7,600.00	6,900.78	6,916.78	6,916.78	49.95	239.74	65.96	223.89	-3,230.37	5,108.17	4,827.60	280.57	18.206		
7,650.00	6,931.72	6,947.72	6,947.72	50.03	240.82	65.76	223.89	-3,230.37	5,085.09	4,803.50	281.59	18.059		
7,700.00	6,959.92	6,975.92	6,975.92	50.11	241.81	66.15	223.89	-3,230.37	5,059.43	4,776.93	282.50	17.909		
7,750.00	6,985.20	7,001.20	7,001.20	50.20	242.69	67.10	223.89	-3,230.37	5,031.36	4,748.05	283.32	17.759		
7,800.00	7,007.41	7,023.41	7,023.41	50.30	243.46	68.61	223.89	-3,230.37	5,001.06	4,717.03	284.04	17.607		
7,850.00	7,026.42	7,042.42	7,042.42	50.42	244.13	70.69	223.89	-3,230.37	4,968.72	4,684.06	284.66	17.455		
7,900.00	7,042.11	7,058.11	7,058.11	50.57	244.68	73.36	223.89	-3,230.37	4,934.54	4,649.35	285.18	17.303		
7,950.00	7,054.37	7,070.37	7,070.37	50.73	245.10	76.64	223.89	-3,230.37	4,898.71	4,613.10	285.62	17.151		
8,000.00	7,063.14	7,079.14	7,079.14	50.92	245.41	80.55	223.89	-3,230.37	4,861.47	4,575.52	285.95	17.001		
8,050.00	7,068.36	7,084.36	7,084.36	51.13	245.59	85.09	223.89	-3,230.37	4,823.02	4,536.82	286.20	16.852		
8,094.17	7,070.00	7,086.00	7,086.00	51.34	245.65	89.61	223.89	-3,230.37	4,788.23	4,501.89	286.34	16.722		
8,100.00	7,070.03	7,086.03	7,086.03	51.37	245.65	89.61	223.89	-3,230.37	4,783.60	4,497.24	286.35	16.705		
8,200.00	7,070.55	7,086.55	7,086.55	51.94	245.67	89.62	223.89	-3,230.37	4,704.52	4,417.88	286.64	16.413		
8,300.00	7,071.07	7,087.07	7,087.07	52.64	245.69	89.63	223.89	-3,230.37	4,626.25	4,339.22	287.03	16.117		
8,400.00	7,071.60	7,087.60	7,087.60	53.49	245.70	89.64	223.89	-3,230.37	4,548.84	4,261.29	287.55	15.819		
8,500.00	7,072.12	7,088.12	7,088.12	54.50	245.72	89.65	223.89	-3,230.37	4,472.31	4,184.12	288.19	15.518		
8,600.00	7,072.64	7,088.64	7,088.64	55.69	245.74	89.66	223.89	-3,230.37	4,396.74	4,107.77	288.97	15.215		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,089.17	7,089.17	57.04	245.76	89.67	223.89	-3,230.37	4,322.15	4,032.27	289.88	14.910		
8,800.00	7,073.69	7,089.69	7,089.69	58.55	245.78	89.68	223.89	-3,230.37	4,248.61	3,957.67	290.94	14.603		
8,900.00	7,074.21	7,109.79	7,090.21	60.21	246.48	89.69	223.89	-3,230.37	4,176.17	3,883.34	292.83	14.261		
9,000.00	7,074.74	7,109.27	7,090.74	61.99	246.46	89.70	223.89	-3,230.37	4,104.89	3,810.74	294.15	13.955		
9,100.00	7,075.26	7,108.74	7,091.26	63.88	246.44	89.71	223.89	-3,230.37	4,034.82	3,739.20	295.62	13.649		
9,200.00	7,075.78	7,108.22	7,091.78	65.87	246.42	89.72	223.89	-3,230.37	3,966.04	3,668.80	297.24	13.343		
9,300.00	7,076.30	7,107.70	7,092.30	67.95	246.41	89.73	223.89	-3,230.37	3,898.61	3,599.59	299.02	13.038		
9,400.00	7,076.83	7,107.17	7,092.83	70.09	246.39	89.74	223.89	-3,230.37	3,832.61	3,531.66	300.95	12.735		
9,500.00	7,077.35	7,106.65	7,093.35	72.30	246.37	89.75	223.89	-3,230.37	3,768.10	3,465.07	303.03	12.435		
9,600.00	7,077.87	7,106.13	7,093.87	74.57	246.35	89.76	223.89	-3,230.37	3,705.17	3,399.91	305.26	12.138		
9,700.00	7,078.40	7,105.60	7,094.40	76.88	246.33	89.77	223.89	-3,230.37	3,643.89	3,336.26	307.63	11.845		
9,800.00	7,078.92	7,105.08	7,094.92	79.24	246.32	89.78	223.89	-3,230.37	3,584.36	3,274.22	310.14	11.557		
9,900.00	7,079.44	7,104.56	7,095.44	81.63	246.30	89.79	223.89	-3,230.37	3,526.66	3,213.86	312.80	11.275		
10,000.00	7,079.97	7,104.03	7,095.97	84.06	246.28	89.80	223.89	-3,230.37	3,470.88	3,155.30	315.58	10.998		
10,100.00	7,080.49	7,103.51	7,096.49	86.52	246.26	89.81	223.89	-3,230.37	3,417.12	3,098.63	318.49	10.729		
10,200.00	7,081.01	7,102.99	7,097.01	89.01	246.24	89.82	223.89	-3,230.37	3,365.47	3,043.96	321.51	10.468		
10,300.00	7,081.54	7,102.47	7,097.54	91.52	246.22	89.83	223.89	-3,230.37	3,316.04	2,991.39	324.65	10.214		
10,400.00	7,082.06	7,101.94	7,098.06	94.05	246.21	89.85	223.89	-3,230.37	3,268.91	2,941.03	327.88	9.970		
10,500.00	7,082.58	7,101.42	7,098.58	96.61	246.19	89.86	223.89	-3,230.37	3,224.20	2,892.99	331.21	9.735		
10,600.00	7,083.10	7,100.90	7,099.10	99.18	246.17	89.87	223.89	-3,230.37	3,182.00	2,847.39	334.61	9.510		
10,700.00	7,083.63	7,100.37	7,099.63	101.77	246.15	89.88	223.89	-3,230.37	3,142.43	2,804.34	338.08	9.295		
10,800.00	7,084.15	7,100.15	7,100.15	104.38	246.14	89.89	223.89	-3,230.37	3,105.56	2,763.95	341.62	9.091		
10,900.00	7,084.67	7,100.67	7,100.67	107.00	246.16	89.90	223.89	-3,230.37	3,071.52	2,726.30	345.22	8.897		
11,000.00	7,085.20	7,101.20	7,101.20	109.63	246.18	89.91	223.89	-3,230.37	3,040.38	2,691.53	348.85	8.716		
11,100.00	7,085.72	7,101.72	7,101.72	112.27	246.20	89.92	223.89	-3,230.37	3,012.24	2,659.76	352.48	8.546		
11,200.00	7,086.24	7,102.24	7,102.24	114.93	246.22	89.93	223.89	-3,230.37	2,987.18	2,631.08	356.11	8.388		
11,300.00	7,086.77	7,102.77	7,102.77	117.59	246.23	89.94	223.89	-3,230.37	2,965.29	2,605.58	359.71	8.244		
11,400.00	7,087.29	7,103.29	7,103.29	120.27	246.25	89.95	223.89	-3,230.37	2,946.63	2,583.37	363.26	8.112		
11,500.00	7,087.81	7,103.81	7,103.81	122.95	246.27	89.96	223.89	-3,230.37	2,931.27	2,564.50	366.76	7.992		
11,600.00	7,088.33	7,104.33	7,104.33	125.64	246.29	89.97	223.89	-3,230.37	2,919.25	2,549.06	370.18	7.886		
11,700.00	7,088.86	7,104.86	7,104.86	128.34	246.31	89.98	223.89	-3,230.37	2,910.62	2,537.11	373.51	7.793		
11,800.00	7,089.38	7,105.38	7,105.38	131.05	246.33	89.99	223.89	-3,230.37	2,905.40	2,528.68	376.73	7.712		
11,900.00	7,089.90	7,105.90	7,105.90	133.76	246.34	90.00	223.89	-3,230.37	2,903.63	2,523.80	379.82	7.645		
11,901.60	7,089.91	7,105.91	7,105.91	133.81	246.34	90.00	223.89	-3,230.37	2,903.63	2,523.76	379.87	7.644 CC		
12,000.00	7,090.43	7,106.43	7,106.43	136.49	246.36	90.01	223.89	-3,230.37	2,905.29	2,522.51	382.78	7.590 ES		
12,100.00	7,090.95	7,106.95	7,106.95	139.21	246.38	90.02	223.89	-3,230.37	2,910.40	2,524.80	385.59	7.548		
12,200.00	7,091.47	7,107.47	7,107.47	141.94	246.40	90.03	223.89	-3,230.37	2,918.92	2,530.67	388.24	7.518		
12,300.00	7,092.00	7,108.00	7,108.00	144.68	246.42	90.04	223.89	-3,230.37	2,930.83	2,540.09	390.73	7.501		
12,400.00	7,092.52	7,108.52	7,108.52	147.42	246.44	90.05	223.89	-3,230.37	2,946.09	2,553.03	393.05	7.495 SF		
12,500.00	7,093.04	7,109.04	7,109.04	150.17	246.45	90.06	223.89	-3,230.37	2,964.64	2,569.44	395.20	7.502		
12,600.00	7,093.57	7,109.57	7,109.57	152.92	246.47	90.07	223.89	-3,230.37	2,986.43	2,589.26	397.17	7.519		
12,700.00	7,094.09	7,110.09	7,110.09	155.67	246.49	90.08	223.89	-3,230.37	3,011.39	2,612.42	398.97	7.548		
12,800.00	7,094.61	7,110.61	7,110.61	158.43	246.51	90.09	223.89	-3,230.37	3,039.43	2,638.84	400.59	7.587		
12,900.00	7,095.13	7,111.13	7,111.13	161.19	246.53	90.10	223.89	-3,230.37	3,070.47	2,668.43	402.04	7.637		
13,000.00	7,095.66	7,111.66	7,111.66	163.96	246.54	90.11	223.89	-3,230.37	3,104.43	2,701.10	403.33	7.697		
13,100.00	7,096.18	7,112.18	7,112.18	166.73	246.56	90.12	223.89	-3,230.37	3,141.20	2,736.74	404.46	7.766		
13,200.00	7,096.70	7,112.70	7,112.70	169.50	246.58	90.13	223.89	-3,230.37	3,180.70	2,775.25	405.44	7.845		
13,256.62	7,097.00	7,113.00	7,113.00	171.07	246.59	90.14	223.89	-3,230.37	3,204.23	2,798.29	405.93	7.893		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-108.06	-953.22	-2,922.66	3,074.18					
100.00	100.00	102.00	98.00	3.28	3.75	-108.06	-953.22	-2,922.66	3,074.18	3,067.14	7.03	437.074		
200.00	200.00	202.00	198.00	3.34	6.24	-108.06	-953.22	-2,922.66	3,074.18	3,064.60	9.58	321.054		
300.00	300.00	302.00	298.00	3.44	9.39	-108.06	-953.22	-2,922.66	3,074.18	3,061.34	12.83	239.538		
400.00	399.98	402.02	397.98	3.60	12.72	98.47	-953.22	-2,922.66	3,074.43	3,058.12	16.31	188.444		
500.00	499.84	502.16	497.84	3.79	16.12	98.55	-953.22	-2,922.66	3,075.21	3,055.30	19.91	154.477		
600.00	599.45	602.55	597.45	4.02	19.57	98.69	-953.22	-2,922.66	3,076.52	3,052.94	23.58	130.454		
700.00	698.70	703.30	696.70	4.29	23.04	98.87	-953.22	-2,922.66	3,078.40	3,051.07	27.33	112.644		
800.00	797.47	804.53	795.47	4.59	26.54	99.11	-953.22	-2,922.66	3,080.87	3,049.73	31.14	98.942		
900.00	895.62	906.38	893.62	4.93	30.08	99.39	-953.22	-2,922.66	3,083.99	3,048.98	35.01	88.088		
1,000.00	993.06	1,008.94	991.06	5.31	33.64	99.72	-953.22	-2,922.66	3,087.82	3,048.88	38.95	79.285		
1,100.00	1,089.64	1,087.64	1,087.64	5.72	36.37	100.08	-953.22	-2,922.66	3,092.43	3,050.34	42.09	73.474		
1,200.00	1,185.27	1,183.27	1,183.27	6.16	39.70	100.49	-953.22	-2,922.66	3,097.88	3,052.02	45.86	67.556		
1,300.00	1,279.82	1,277.82	1,277.82	6.64	42.99	100.92	-953.22	-2,922.66	3,104.26	3,054.64	49.62	62.558		
1,400.00	1,373.17	1,371.17	1,371.17	7.16	46.24	101.38	-953.22	-2,922.66	3,111.67	3,058.28	53.38	58.288		
1,500.00	1,465.21	1,463.21	1,463.21	7.71	49.44	101.86	-953.22	-2,922.66	3,120.19	3,063.05	57.14	54.607		
1,600.00	1,555.84	1,553.84	1,553.84	8.31	52.60	102.36	-953.22	-2,922.66	3,129.93	3,069.05	60.88	51.409		
1,613.50	1,567.96	1,565.96	1,565.96	8.39	53.02	102.43	-953.22	-2,922.66	3,131.34	3,069.96	61.39	51.010		
1,700.00	1,645.53	1,643.53	1,643.53	8.93	55.73	103.05	-953.22	-2,922.66	3,140.70	3,076.08	64.62	48.600		
1,800.00	1,735.20	1,733.20	1,733.20	9.58	58.85	103.75	-953.22	-2,922.66	3,152.07	3,083.68	68.38	46.094		
1,900.00	1,824.87	1,822.87	1,822.87	10.25	61.98	104.46	-953.22	-2,922.66	3,164.01	3,091.86	72.15	43.851		
2,000.00	1,914.54	1,912.54	1,912.54	10.92	65.10	105.16	-953.22	-2,922.66	3,176.52	3,100.59	75.94	41.832		
2,100.00	2,004.21	2,002.21	2,002.21	11.61	68.23	105.85	-953.22	-2,922.66	3,189.60	3,109.88	79.72	40.008		
2,200.00	2,093.89	2,108.11	2,091.89	12.30	71.92	106.54	-953.22	-2,922.66	3,203.24	3,119.16	84.08	38.096		
2,300.00	2,183.56	2,181.56	2,181.56	13.01	74.49	107.22	-953.22	-2,922.66	3,217.43	3,130.11	87.31	36.849		
2,400.00	2,273.23	2,271.23	2,271.23	13.71	77.61	107.90	-953.22	-2,922.66	3,232.16	3,141.05	91.12	35.473		
2,500.00	2,362.90	2,360.90	2,360.90	14.43	80.74	108.58	-953.22	-2,922.66	3,247.43	3,152.51	94.92	34.213		
2,600.00	2,452.57	2,450.57	2,450.57	15.14	83.87	109.25	-953.22	-2,922.66	3,263.23	3,164.51	98.72	33.055		
2,700.00	2,542.25	2,540.25	2,540.25	15.87	87.00	109.91	-953.22	-2,922.66	3,279.55	3,177.02	102.52	31.988		
2,800.00	2,631.92	2,629.92	2,629.92	16.59	90.12	110.57	-953.22	-2,922.66	3,296.38	3,190.05	106.33	31.002		
2,900.00	2,721.59	2,719.59	2,719.59	17.32	93.25	111.22	-953.22	-2,922.66	3,313.72	3,203.59	110.13	30.090		
3,000.00	2,811.26	2,809.26	2,809.26	18.05	96.38	111.87	-953.22	-2,922.66	3,331.55	3,217.63	113.93	29.242		
3,100.00	2,900.93	2,901.07	2,898.93	18.78	99.59	112.51	-953.22	-2,922.66	3,349.88	3,232.08	117.80	28.436		
3,200.00	2,990.60	2,988.60	2,988.60	19.51	102.64	113.15	-953.22	-2,922.66	3,368.69	3,247.16	121.53	27.720		
3,300.00	3,080.28	3,078.28	3,078.28	20.25	105.77	113.78	-953.22	-2,922.66	3,387.97	3,262.65	125.32	27.035		
3,400.00	3,169.95	3,167.95	3,167.95	20.99	108.90	114.40	-953.22	-2,922.66	3,407.72	3,278.61	129.11	26.393		
3,500.00	3,259.62	3,257.62	3,257.62	21.73	112.03	115.02	-953.22	-2,922.66	3,427.92	3,295.02	132.90	25.793		
3,600.00	3,349.29	3,347.29	3,347.29	22.47	115.16	115.63	-953.22	-2,922.66	3,448.58	3,311.89	136.69	25.229		
3,700.00	3,438.96	3,436.96	3,436.96	23.21	118.28	116.23	-953.22	-2,922.66	3,469.67	3,329.20	140.47	24.700		
3,800.00	3,528.64	3,526.64	3,526.64	23.95	121.41	116.83	-953.22	-2,922.66	3,491.20	3,346.95	144.25	24.202		
3,900.00	3,618.31	3,616.31	3,616.31	24.69	124.54	117.42	-953.22	-2,922.66	3,513.16	3,365.13	148.03	23.732		
4,000.00	3,707.98	3,705.98	3,705.98	25.44	127.67	118.01	-953.22	-2,922.66	3,535.53	3,383.73	151.81	23.289		
4,100.00	3,797.65	3,804.35	3,795.65	26.18	131.11	118.59	-953.22	-2,922.66	3,558.32	3,402.43	155.88	22.827		
4,200.00	3,887.32	3,885.32	3,885.32	26.93	133.93	119.16	-953.22	-2,922.66	3,581.50	3,422.15	159.35	22.476		
4,300.00	3,976.99	3,974.99	3,974.99	27.68	137.06	119.73	-953.22	-2,922.66	3,605.08	3,441.97	163.11	22.102		
4,400.00	4,066.67	4,064.67	4,064.67	28.42	140.19	120.29	-953.22	-2,922.66	3,629.05	3,462.17	166.88	21.747		
4,500.00	4,156.34	4,154.34	4,154.34	29.17	143.32	120.84	-953.22	-2,922.66	3,653.40	3,482.76	170.64	21.410		
4,600.00	4,246.01	4,244.01	4,244.01	29.92	146.45	121.39	-953.22	-2,922.66	3,678.11	3,503.72	174.39	21.091		
4,700.00	4,335.68	4,333.68	4,333.68	30.67	149.58	121.93	-953.22	-2,922.66	3,703.19	3,525.05	178.14	20.788		
4,800.00	4,425.35	4,423.35	4,423.35	31.42	152.71	122.47	-953.22	-2,922.66	3,728.63	3,546.74	181.89	20.499		
4,900.00	4,515.03	4,513.03	4,513.03	32.17	155.84	123.00	-953.22	-2,922.66	3,754.42	3,568.78	185.64	20.224		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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		
5,000.00	4,604.70	4,602.70	4,602.70	32.92	158.97	123.52	-953.22	-2,922.66	3,780.55	3,591.16	189.38	19.962		
5,100.00	4,694.37	4,707.63	4,692.37	33.67	162.63	124.04	-953.22	-2,922.66	3,807.01	3,613.36	193.66	19.659		
5,200.00	4,784.04	4,782.04	4,782.04	34.42	165.23	124.55	-953.22	-2,922.66	3,833.81	3,636.94	196.86	19.475		
5,300.00	4,873.71	4,871.71	4,871.71	35.17	168.36	125.05	-953.22	-2,922.66	3,860.92	3,660.32	200.59	19.247		
5,400.00	4,963.38	4,961.38	4,961.38	35.92	171.49	125.55	-953.22	-2,922.66	3,888.35	3,684.02	204.33	19.030		
5,500.00	5,053.06	5,051.06	5,051.06	36.67	174.62	126.04	-953.22	-2,922.66	3,916.09	3,708.03	208.05	18.822		
5,600.00	5,142.73	5,140.73	5,140.73	37.43	177.75	126.53	-953.22	-2,922.66	3,944.12	3,732.35	211.78	18.624		
5,700.00	5,232.40	5,230.40	5,230.40	38.18	180.88	127.01	-953.22	-2,922.66	3,972.46	3,756.96	215.50	18.433		
5,800.00	5,322.07	5,320.07	5,320.07	38.93	184.01	127.48	-953.22	-2,922.66	4,001.08	3,781.86	219.22	18.251		
5,900.00	5,411.74	5,409.74	5,409.74	39.68	187.14	127.95	-953.22	-2,922.66	4,029.99	3,807.05	222.94	18.077		
6,000.00	5,501.42	5,500.58	5,499.42	40.44	190.31	128.41	-953.22	-2,922.66	4,059.17	3,832.48	226.69	17.906		
6,100.00	5,591.09	5,589.09	5,589.09	41.19	193.40	128.87	-953.22	-2,922.66	4,088.62	3,858.26	230.37	17.748		
6,200.00	5,680.76	5,678.76	5,678.76	41.94	196.53	129.32	-953.22	-2,922.66	4,118.34	3,884.27	234.08	17.594		
6,300.00	5,770.43	5,768.43	5,768.43	42.70	199.66	129.76	-953.22	-2,922.66	4,148.32	3,910.54	237.78	17.446		
6,400.00	5,860.10	5,858.10	5,858.10	43.45	202.79	130.20	-953.22	-2,922.66	4,178.55	3,937.06	241.49	17.303		
6,500.00	5,949.77	5,947.77	5,947.77	44.20	205.92	130.64	-953.22	-2,922.66	4,209.03	3,963.84	245.19	17.166		
6,600.00	6,039.45	6,037.45	6,037.45	44.96	209.05	131.06	-953.22	-2,922.66	4,239.76	3,990.86	248.89	17.035		
6,700.00	6,129.12	6,127.12	6,127.12	45.71	212.18	131.49	-953.22	-2,922.66	4,270.72	4,018.13	252.59	16.908		
6,800.00	6,218.79	6,216.79	6,216.79	46.46	215.31	131.90	-953.22	-2,922.66	4,301.91	4,045.62	256.29	16.786		
6,900.00	6,308.46	6,306.46	6,306.46	47.22	218.44	132.31	-953.22	-2,922.66	4,333.33	4,073.35	259.98	16.668		
6,969.86	6,371.11	6,369.11	6,369.11	47.75	220.62	132.60	-953.22	-2,922.66	4,355.41	4,092.85	262.56	16.588		
7,000.00	6,398.25	6,403.75	6,396.25	47.97	221.83	127.24	-953.22	-2,922.66	4,364.33	4,100.39	263.93	16.536		
7,050.00	6,443.70	6,441.70	6,441.70	48.31	223.16	117.62	-953.22	-2,922.66	4,376.28	4,110.76	265.52	16.482		
7,100.00	6,489.42	6,487.42	6,487.42	48.61	224.75	107.50	-953.22	-2,922.66	4,384.65	4,117.29	267.36	16.400		
7,150.00	6,535.12	6,533.12	6,533.12	48.87	226.35	97.52	-953.22	-2,922.66	4,389.41	4,120.23	269.18	16.307		
7,200.00	6,580.53	6,578.53	6,578.53	49.09	227.93	88.33	-953.22	-2,922.66	4,390.53	4,119.58	270.95	16.204		
7,250.00	6,625.36	6,623.36	6,623.36	49.27	229.50	80.34	-953.22	-2,922.66	4,388.03	4,115.37	272.66	16.094		
7,300.00	6,669.35	6,667.35	6,667.35	49.42	231.04	73.71	-953.22	-2,922.66	4,381.94	4,107.64	274.30	15.975		
7,350.00	6,712.21	6,710.21	6,710.21	49.55	232.53	68.40	-953.22	-2,922.66	4,372.30	4,096.44	275.86	15.850		
7,400.00	6,753.69	6,751.69	6,751.69	49.65	233.98	64.26	-953.22	-2,922.66	4,359.21	4,081.87	277.34	15.718		
7,450.00	6,793.52	6,808.48	6,791.52	49.73	235.96	61.15	-953.22	-2,922.66	4,342.74	4,063.42	279.32	15.548		
7,500.00	6,831.47	6,829.47	6,829.47	49.81	236.69	58.92	-953.22	-2,922.66	4,323.01	4,043.00	280.01	15.439		
7,550.00	6,867.30	6,865.30	6,865.30	49.88	237.95	57.45	-953.22	-2,922.66	4,300.15	4,018.95	281.20	15.292		
7,600.00	6,900.78	6,901.22	6,898.78	49.95	239.20	56.68	-953.22	-2,922.66	4,274.31	3,991.94	282.37	15.137		
7,650.00	6,931.72	6,929.72	6,929.72	50.03	240.19	56.56	-953.22	-2,922.66	4,245.65	3,962.38	283.27	14.988		
7,700.00	6,959.92	6,957.92	6,957.92	50.11	241.18	57.07	-953.22	-2,922.66	4,214.35	3,930.21	284.14	14.832		
7,750.00	6,985.20	6,983.20	6,983.20	50.20	242.06	58.21	-953.22	-2,922.66	4,180.61	3,895.69	284.91	14.673		
7,800.00	7,007.41	7,005.41	7,005.41	50.30	242.84	60.04	-953.22	-2,922.66	4,144.63	3,859.05	285.58	14.513		
7,850.00	7,026.42	7,024.42	7,024.42	50.42	243.50	62.62	-953.22	-2,922.66	4,106.62	3,820.48	286.14	14.352		
7,900.00	7,042.11	7,040.11	7,040.11	50.57	244.05	66.04	-953.22	-2,922.66	4,066.82	3,780.23	286.59	14.190		
7,950.00	7,054.37	7,052.37	7,052.37	50.73	244.48	70.42	-953.22	-2,922.66	4,025.46	3,738.52	286.94	14.029		
8,000.00	7,063.14	7,061.14	7,061.14	50.92	244.78	75.88	-953.22	-2,922.66	3,982.78	3,695.59	287.19	13.868		
8,050.00	7,068.36	7,066.36	7,066.36	51.13	244.96	82.52	-953.22	-2,922.66	3,939.02	3,651.69	287.33	13.709		
8,094.17	7,070.00	7,068.00	7,068.00	51.34	245.02	89.39	-953.22	-2,922.66	3,899.68	3,612.31	287.38	13.570		
8,100.00	7,070.03	7,068.03	7,068.03	51.37	245.02	89.39	-953.22	-2,922.66	3,894.46	3,607.08	287.38	13.552		
8,200.00	7,070.55	7,068.55	7,068.55	51.94	245.04	89.41	-953.22	-2,922.66	3,805.09	3,517.68	287.41	13.239		
8,300.00	7,071.07	7,069.07	7,069.07	52.64	245.06	89.43	-953.22	-2,922.66	3,716.27	3,428.76	287.51	12.926		
8,400.00	7,071.60	7,069.60	7,069.60	53.49	245.08	89.45	-953.22	-2,922.66	3,628.03	3,340.36	287.67	12.612		
8,500.00	7,072.12	7,070.12	7,070.12	54.50	245.09	89.46	-953.22	-2,922.66	3,540.41	3,252.50	287.91	12.297		
8,600.00	7,072.64	7,070.64	7,070.64	55.69	245.11	89.48	-953.22	-2,922.66	3,453.47	3,165.23	288.24	11.981		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,700.00	7,073.17	7,071.17	7,071.17	57.04	245.13	89.50	-953.22	-2,922.66	3,367.25	3,078.58	288.67	11.665		
8,800.00	7,073.69	7,071.69	7,071.69	58.55	245.15	89.52	-953.22	-2,922.66	3,281.82	2,992.60	289.21	11.347		
8,900.00	7,074.21	7,072.21	7,072.21	60.21	245.17	89.53	-953.22	-2,922.66	3,197.22	2,907.35	289.88	11.030		
9,000.00	7,074.74	7,072.74	7,072.74	61.99	245.19	89.55	-953.22	-2,922.66	3,113.55	2,822.87	290.67	10.711		
9,100.00	7,075.26	7,073.26	7,073.26	63.88	245.20	89.57	-953.22	-2,922.66	3,030.86	2,739.24	291.62	10.393		
9,200.00	7,075.78	7,073.78	7,073.78	65.87	245.22	89.59	-953.22	-2,922.66	2,949.24	2,656.52	292.72	10.075		
9,300.00	7,076.30	7,074.30	7,074.30	67.95	245.24	89.60	-953.22	-2,922.66	2,868.79	2,574.80	293.99	9.758		
9,400.00	7,076.83	7,074.83	7,074.83	70.09	245.26	89.62	-953.22	-2,922.66	2,789.60	2,494.15	295.45	9.442		
9,500.00	7,077.35	7,075.35	7,075.35	72.30	245.28	89.64	-953.22	-2,922.66	2,711.79	2,414.69	297.10	9.128		
9,600.00	7,077.87	7,075.87	7,075.87	74.57	245.30	89.65	-953.22	-2,922.66	2,635.47	2,336.52	298.96	8.816		
9,700.00	7,078.40	7,076.40	7,076.40	76.88	245.31	89.67	-953.22	-2,922.66	2,560.79	2,259.76	301.03	8.507		
9,800.00	7,078.92	7,076.92	7,076.92	79.24	245.33	89.69	-953.22	-2,922.66	2,487.88	2,184.56	303.32	8.202		
9,900.00	7,079.44	7,077.44	7,077.44	81.63	245.35	89.71	-953.22	-2,922.66	2,416.92	2,111.07	305.84	7.902		
10,000.00	7,079.97	7,077.97	7,077.97	84.06	245.37	89.72	-953.22	-2,922.66	2,348.07	2,039.46	308.60	7.609		
10,100.00	7,080.49	7,078.49	7,078.49	86.52	245.39	89.74	-953.22	-2,922.66	2,281.52	1,969.93	311.59	7.322		
10,200.00	7,081.01	7,079.01	7,079.01	89.01	245.41	89.76	-953.22	-2,922.66	2,217.49	1,902.67	314.82	7.044		
10,300.00	7,081.54	7,079.54	7,079.54	91.52	245.42	89.78	-953.22	-2,922.66	2,156.19	1,837.92	318.27	6.775		
10,400.00	7,082.06	7,080.06	7,080.06	94.05	245.44	89.79	-953.22	-2,922.66	2,097.88	1,775.94	321.94	6.516		
10,500.00	7,082.58	7,080.58	7,080.58	96.61	245.46	89.81	-953.22	-2,922.66	2,042.80	1,716.98	325.81	6.270		
10,600.00	7,083.10	7,081.10	7,081.10	99.18	245.48	89.83	-953.22	-2,922.66	1,991.21	1,661.35	329.87	6.036		
10,700.00	7,083.63	7,081.63	7,081.63	101.77	245.50	89.85	-953.22	-2,922.66	1,943.41	1,609.34	334.07	5.817		
10,800.00	7,084.15	7,082.15	7,082.15	104.38	245.51	89.86	-953.22	-2,922.66	1,899.68	1,561.28	338.40	5.614		
10,900.00	7,084.67	7,082.67	7,082.67	107.00	245.53	89.88	-953.22	-2,922.66	1,860.29	1,517.50	342.79	5.427		
11,000.00	7,085.20	7,083.20	7,083.20	109.63	245.55	89.90	-953.22	-2,922.66	1,825.54	1,478.32	347.22	5.258		
11,100.00	7,085.72	7,083.72	7,083.72	112.27	245.57	89.91	-953.22	-2,922.66	1,795.69	1,444.08	351.61	5.107		
11,200.00	7,086.24	7,084.24	7,084.24	114.93	245.59	89.93	-953.22	-2,922.66	1,771.00	1,415.08	355.92	4.976		
11,300.00	7,086.77	7,084.77	7,084.77	117.59	245.61	89.95	-953.22	-2,922.66	1,751.67	1,391.60	360.07	4.865		
11,400.00	7,087.29	7,085.29	7,085.29	120.27	245.62	89.97	-953.22	-2,922.66	1,737.89	1,373.88	364.01	4.774		
11,500.00	7,087.81	7,085.81	7,085.81	122.95	245.64	89.98	-953.22	-2,922.66	1,729.79	1,362.11	367.68	4.705		
11,590.44	7,088.28	7,086.28	7,086.28	125.39	245.66	90.00	-953.22	-2,922.66	1,727.42	1,356.70	370.72	4.660 CC		
11,600.00	7,088.33	7,086.33	7,086.33	125.64	245.66	90.00	-953.22	-2,922.66	1,727.45	1,356.42	371.03	4.656 ES		
11,700.00	7,088.86	7,086.86	7,086.86	128.34	245.68	90.02	-953.22	-2,922.66	1,730.89	1,356.88	374.02	4.628		
11,800.00	7,089.38	7,087.38	7,087.38	131.05	245.70	90.04	-953.22	-2,922.66	1,740.09	1,363.48	376.61	4.620 SF		
11,900.00	7,089.90	7,087.90	7,087.90	133.76	245.72	90.05	-953.22	-2,922.66	1,754.94	1,376.14	378.80	4.633		
12,000.00	7,090.43	7,088.43	7,088.43	136.49	245.73	90.07	-953.22	-2,922.66	1,775.31	1,394.73	380.58	4.665		
12,100.00	7,090.95	7,088.95	7,088.95	139.21	245.75	90.09	-953.22	-2,922.66	1,801.01	1,419.06	381.96	4.715		
12,200.00	7,091.47	7,089.47	7,089.47	141.94	245.77	90.11	-953.22	-2,922.66	1,831.82	1,448.87	382.95	4.783		
12,300.00	7,092.00	7,090.00	7,090.00	144.68	245.79	90.12	-953.22	-2,922.66	1,867.47	1,483.88	383.59	4.868		
12,400.00	7,092.52	7,109.48	7,090.52	147.42	246.47	90.14	-953.22	-2,922.66	1,907.71	1,523.14	384.57	4.961		
12,500.00	7,093.04	7,108.96	7,091.04	150.17	246.45	90.16	-953.22	-2,922.66	1,952.25	1,567.69	384.56	5.077		
12,600.00	7,093.57	7,108.43	7,091.57	152.92	246.43	90.18	-953.22	-2,922.66	2,000.80	1,616.49	384.31	5.206		
12,700.00	7,094.09	7,107.91	7,092.09	155.67	246.41	90.19	-953.22	-2,922.66	2,053.07	1,669.23	383.84	5.349		
12,800.00	7,094.61	7,107.39	7,092.61	158.43	246.40	90.21	-953.22	-2,922.66	2,108.79	1,725.60	383.19	5.503		
12,900.00	7,095.13	7,106.87	7,093.13	161.19	246.38	90.23	-953.22	-2,922.66	2,167.70	1,785.30	382.40	5.669		
13,000.00	7,095.66	7,106.34	7,093.66	163.96	246.36	90.24	-953.22	-2,922.66	2,229.53	1,848.05	381.49	5.844		
13,100.00	7,096.18	7,105.82	7,094.18	166.73	246.34	90.26	-953.22	-2,922.66	2,294.06	1,913.58	380.48	6.029		
13,200.00	7,096.70	7,105.30	7,094.70	169.50	246.32	90.28	-953.22	-2,922.66	2,361.06	1,981.65	379.41	6.223		
13,256.62	7,097.00	7,105.00	7,095.00	171.07	246.31	90.29	-953.22	-2,922.66	2,400.02	2,021.23	378.78	6.336		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-176.81	-3,833.59	-213.89	3,839.61					
100.00	100.00	78.00	78.00	3.28	3.55	-176.81	-3,833.59	-213.89	3,839.55	3,832.71	6.84	561.661		
200.00	200.00	178.00	178.00	3.34	5.54	-176.81	-3,833.59	-213.89	3,839.55	3,830.67	8.88	432.376		
300.00	300.00	278.00	278.00	3.44	8.61	-176.81	-3,833.59	-213.89	3,839.55	3,827.50	12.05	318.536		
400.00	399.98	377.98	377.98	3.60	11.91	29.73	-3,833.59	-213.89	3,838.03	3,822.53	15.51	247.510		
500.00	499.84	477.84	477.84	3.79	15.29	29.82	-3,833.59	-213.89	3,833.49	3,814.41	19.08	200.918		
600.00	599.45	577.45	577.45	4.02	18.70	29.96	-3,833.59	-213.89	3,825.93	3,803.20	22.72	168.359		
700.00	698.70	676.70	676.70	4.29	22.12	30.15	-3,833.59	-213.89	3,815.36	3,788.94	26.41	144.445		
800.00	797.47	775.47	775.47	4.59	25.54	30.41	-3,833.59	-213.89	3,801.81	3,771.68	30.13	126.182		
900.00	895.62	873.62	873.62	4.93	28.94	30.73	-3,833.59	-213.89	3,785.30	3,751.44	33.86	111.793		
1,000.00	993.06	971.06	971.06	5.31	32.32	31.10	-3,833.59	-213.89	3,765.87	3,728.28	37.59	100.170		
1,100.00	1,089.64	1,067.64	1,067.64	5.72	35.68	31.55	-3,833.59	-213.89	3,743.56	3,702.23	41.33	90.584		
1,200.00	1,185.27	1,163.27	1,163.27	6.16	39.00	32.05	-3,833.59	-213.89	3,718.41	3,673.36	45.05	82.540		
1,300.00	1,279.82	1,257.82	1,257.82	6.64	42.29	32.63	-3,833.59	-213.89	3,690.48	3,641.72	48.76	75.690		
1,400.00	1,373.17	1,351.17	1,351.17	7.16	45.54	33.28	-3,833.59	-213.89	3,659.82	3,607.37	52.45	69.782		
1,500.00	1,465.21	1,443.21	1,443.21	7.71	48.75	34.00	-3,833.59	-213.89	3,626.50	3,570.39	56.11	64.631		
1,600.00	1,555.84	1,533.84	1,533.84	8.31	51.90	34.80	-3,833.59	-213.89	3,590.59	3,530.84	59.75	60.096		
1,613.50	1,567.96	1,545.96	1,545.96	8.39	52.33	34.92	-3,833.59	-213.89	3,585.55	3,525.31	60.24	59.521		
1,700.00	1,645.53	1,623.53	1,623.53	8.93	55.03	35.26	-3,833.59	-213.89	3,553.15	3,489.79	63.37	56.072		
1,800.00	1,735.20	1,713.20	1,713.20	9.58	58.15	35.66	-3,833.59	-213.89	3,515.85	3,448.85	67.00	52.476		
1,900.00	1,824.87	1,802.87	1,802.87	10.25	61.28	36.07	-3,833.59	-213.89	3,478.72	3,408.07	70.64	49.242		
2,000.00	1,914.54	1,907.46	1,892.54	10.92	64.93	36.49	-3,833.59	-213.89	3,441.75	3,366.92	74.82	45.998		
2,100.00	2,004.21	1,982.21	1,982.21	11.61	67.53	36.92	-3,833.59	-213.89	3,404.95	3,326.98	77.97	43.668		
2,200.00	2,093.89	2,071.89	2,071.89	12.30	70.66	37.35	-3,833.59	-213.89	3,368.34	3,286.68	81.66	41.251		
2,300.00	2,183.56	2,161.56	2,161.56	13.01	73.79	37.80	-3,833.59	-213.89	3,331.91	3,246.56	85.35	39.040		
2,400.00	2,273.23	2,251.23	2,251.23	13.71	76.92	38.25	-3,833.59	-213.89	3,295.67	3,206.62	89.05	37.010		
2,500.00	2,362.90	2,340.90	2,340.90	14.43	80.04	38.72	-3,833.59	-213.89	3,259.63	3,166.87	92.76	35.142		
2,600.00	2,452.57	2,430.57	2,430.57	15.14	83.17	39.19	-3,833.59	-213.89	3,223.79	3,127.32	96.47	33.416		
2,700.00	2,542.25	2,520.25	2,520.25	15.87	86.30	39.67	-3,833.59	-213.89	3,188.17	3,087.97	100.20	31.818		
2,800.00	2,631.92	2,609.92	2,609.92	16.59	89.43	40.16	-3,833.59	-213.89	3,152.76	3,048.83	103.93	30.335		
2,900.00	2,721.59	2,700.41	2,699.59	17.32	92.58	40.66	-3,833.59	-213.89	3,117.58	3,009.88	107.70	28.946		
3,000.00	2,811.26	2,789.26	2,789.26	18.05	95.68	41.18	-3,833.59	-213.89	3,082.64	2,971.22	111.42	27.667		
3,100.00	2,900.93	2,878.93	2,878.93	18.78	98.81	41.70	-3,833.59	-213.89	3,047.94	2,932.76	115.18	26.463		
3,200.00	2,990.60	2,968.60	2,968.60	19.51	101.94	42.24	-3,833.59	-213.89	3,013.49	2,894.55	118.94	25.336		
3,300.00	3,080.28	3,058.28	3,058.28	20.25	105.07	42.78	-3,833.59	-213.89	2,979.29	2,856.58	122.71	24.279		
3,400.00	3,169.95	3,147.95	3,147.95	20.99	108.20	43.34	-3,833.59	-213.89	2,945.37	2,818.88	126.49	23.286		
3,500.00	3,259.62	3,237.62	3,237.62	21.73	111.33	43.91	-3,833.59	-213.89	2,911.72	2,781.45	130.27	22.352		
3,600.00	3,349.29	3,327.29	3,327.29	22.47	114.46	44.49	-3,833.59	-213.89	2,878.36	2,744.30	134.06	21.471		
3,700.00	3,438.96	3,416.96	3,416.96	23.21	117.59	45.08	-3,833.59	-213.89	2,845.30	2,707.44	137.86	20.639		
3,800.00	3,528.64	3,506.64	3,506.64	23.95	120.72	45.69	-3,833.59	-213.89	2,812.54	2,670.88	141.66	19.854		
3,900.00	3,618.31	3,603.69	3,596.31	24.69	124.10	46.31	-3,833.59	-213.89	2,780.11	2,634.37	145.74	19.076		
4,000.00	3,707.98	3,685.98	3,685.98	25.44	126.97	46.94	-3,833.59	-213.89	2,748.00	2,598.70	149.30	18.406		
4,100.00	3,797.65	3,775.65	3,775.65	26.18	130.10	47.58	-3,833.59	-213.89	2,716.24	2,563.11	153.13	17.738		
4,200.00	3,887.32	3,865.32	3,865.32	26.93	133.23	48.24	-3,833.59	-213.89	2,684.83	2,527.86	156.96	17.105		
4,300.00	3,976.99	3,954.99	3,954.99	27.68	136.36	48.91	-3,833.59	-213.89	2,653.78	2,492.98	160.81	16.503		
4,400.00	4,066.67	4,044.67	4,044.67	28.42	139.49	49.60	-3,833.59	-213.89	2,623.12	2,458.46	164.66	15.931		
4,500.00	4,156.34	4,134.34	4,134.34	29.17	142.62	50.30	-3,833.59	-213.89	2,592.85	2,424.33	168.52	15.386		
4,600.00	4,246.01	4,224.01	4,224.01	29.92	145.75	51.01	-3,833.59	-213.89	2,562.98	2,390.60	172.39	14.868		
4,700.00	4,335.68	4,313.68	4,313.68	30.67	148.88	51.74	-3,833.59	-213.89	2,533.54	2,357.28	176.26	14.374		
4,800.00	4,425.35	4,403.35	4,403.35	31.42	152.01	52.49	-3,833.59	-213.89	2,504.53	2,324.39	180.15	13.903		
4,900.00	4,515.03	4,506.97	4,493.03	32.17	155.63	53.25	-3,833.59	-213.89	2,475.97	2,291.45	184.52	13.418		

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 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,604.70	4,582.70	4,582.70	32.92	158.27	54.02	-3,833.59	-213.89	2,447.89	2,259.95	187.94	13.025		
5,100.00	4,694.37	4,672.37	4,672.37	33.67	161.40	54.81	-3,833.59	-213.89	2,420.28	2,228.43	191.85	12.616		
5,200.00	4,784.04	4,762.04	4,762.04	34.42	164.53	55.62	-3,833.59	-213.89	2,393.18	2,197.41	195.76	12.225		
5,300.00	4,873.71	4,851.71	4,851.71	35.17	167.66	56.44	-3,833.59	-213.89	2,366.59	2,166.90	199.69	11.851		
5,400.00	4,963.38	4,941.38	4,941.38	35.92	170.79	57.28	-3,833.59	-213.89	2,340.53	2,136.91	203.62	11.494		
5,500.00	5,053.06	5,031.06	5,031.06	36.67	173.92	58.13	-3,833.59	-213.89	2,315.03	2,107.47	207.56	11.153		
5,600.00	5,142.73	5,120.73	5,120.73	37.43	177.05	59.00	-3,833.59	-213.89	2,290.11	2,078.59	211.51	10.827		
5,700.00	5,232.40	5,210.40	5,210.40	38.18	180.18	59.89	-3,833.59	-213.89	2,265.77	2,050.30	215.47	10.515		
5,800.00	5,322.07	5,300.07	5,300.07	38.93	183.31	60.79	-3,833.59	-213.89	2,242.04	2,022.61	219.43	10.217		
5,900.00	5,411.74	5,389.74	5,389.74	39.68	186.44	61.71	-3,833.59	-213.89	2,218.94	1,995.53	223.41	9.932		
6,000.00	5,501.42	5,479.42	5,479.42	40.44	189.57	62.64	-3,833.59	-213.89	2,196.49	1,969.11	227.39	9.660		
6,100.00	5,591.09	5,569.09	5,569.09	41.19	192.70	63.60	-3,833.59	-213.89	2,174.71	1,943.34	231.37	9.399		
6,200.00	5,680.76	5,658.76	5,658.76	41.94	195.83	64.56	-3,833.59	-213.89	2,153.62	1,918.26	235.36	9.150		
6,300.00	5,770.43	5,748.43	5,748.43	42.70	198.96	65.54	-3,833.59	-213.89	2,133.24	1,893.88	239.36	8.912		
6,400.00	5,860.10	5,838.10	5,838.10	43.45	202.09	66.54	-3,833.59	-213.89	2,113.59	1,870.22	243.36	8.685		
6,500.00	5,949.77	5,927.77	5,927.77	44.20	205.22	67.56	-3,833.59	-213.89	2,094.69	1,847.32	247.37	8.468		
6,600.00	6,039.45	6,017.45	6,017.45	44.96	208.35	68.58	-3,833.59	-213.89	2,076.56	1,825.18	251.38	8.261		
6,700.00	6,129.12	6,107.12	6,107.12	45.71	211.48	69.63	-3,833.59	-213.89	2,059.22	1,803.83	255.39	8.063		
6,800.00	6,218.79	6,203.21	6,196.79	46.46	214.83	70.69	-3,833.59	-213.89	2,042.70	1,783.06	259.63	7.868		
6,900.00	6,308.46	6,286.46	6,286.46	47.22	217.74	71.76	-3,833.59	-213.89	2,027.00	1,763.58	263.43	7.695		
6,969.86	6,371.11	6,349.11	6,349.11	47.75	219.93	72.51	-3,833.59	-213.89	2,016.54	1,750.31	266.23	7.574		
7,000.00	6,398.25	6,376.25	6,376.25	47.97	220.87	73.31	-3,833.59	-213.89	2,011.63	1,744.19	267.44	7.522		
7,050.00	6,443.70	6,421.70	6,421.70	48.31	222.46	73.68	-3,833.59	-213.89	2,001.33	1,731.92	269.42	7.428		
7,100.00	6,489.42	6,467.42	6,467.42	48.61	224.06	74.19	-3,833.59	-213.89	1,988.34	1,716.98	271.35	7.328		
7,150.00	6,535.12	6,513.12	6,513.12	48.87	225.65	74.76	-3,833.59	-213.89	1,972.66	1,699.43	273.24	7.220		
7,200.00	6,580.53	6,558.53	6,558.53	49.09	227.24	75.31	-3,833.59	-213.89	1,954.36	1,679.29	275.06	7.105		
7,250.00	6,625.36	6,603.36	6,603.36	49.27	228.80	75.81	-3,833.59	-213.89	1,933.49	1,656.66	276.83	6.984		
7,300.00	6,669.35	6,647.35	6,647.35	49.42	230.34	76.29	-3,833.59	-213.89	1,910.16	1,631.62	278.53	6.858		
7,350.00	6,712.21	6,709.79	6,690.21	49.55	232.52	76.76	-3,833.59	-213.89	1,884.48	1,603.63	280.85	6.710		
7,400.00	6,753.69	6,731.69	6,731.69	49.65	233.28	77.03	-3,833.59	-213.89	1,856.62	1,574.88	281.74	6.590		
7,450.00	6,793.52	6,771.52	6,771.52	49.73	234.67	77.51	-3,833.59	-213.89	1,826.74	1,543.51	283.23	6.450		
7,500.00	6,831.47	6,809.47	6,809.47	49.81	236.00	77.91	-3,833.59	-213.89	1,795.07	1,510.42	284.65	6.306		
7,550.00	6,867.30	6,845.30	6,845.30	49.88	237.25	78.29	-3,833.59	-213.89	1,761.81	1,475.83	285.99	6.160		
7,600.00	6,900.78	6,878.78	6,878.78	49.95	238.42	78.68	-3,833.59	-213.89	1,727.25	1,440.01	287.24	6.013		
7,650.00	6,931.72	6,909.72	6,909.72	50.03	239.50	79.03	-3,833.59	-213.89	1,691.65	1,403.24	288.41	5.865		
7,700.00	6,959.92	6,937.92	6,937.92	50.11	240.48	79.31	-3,833.59	-213.89	1,655.34	1,365.85	289.48	5.718		
7,750.00	6,985.20	6,963.20	6,963.20	50.20	241.36	79.54	-3,833.59	-213.89	1,618.63	1,328.16	290.47	5.572		
7,800.00	7,007.41	6,985.41	6,985.41	50.30	242.14	79.78	-3,833.59	-213.89	1,581.88	1,290.53	291.36	5.429		
7,850.00	7,026.42	7,004.42	7,004.42	50.42	242.80	80.03	-3,833.59	-213.89	1,545.46	1,253.31	292.15	5.290		
7,900.00	7,042.11	7,020.11	7,020.11	50.57	243.35	80.29	-3,833.59	-213.89	1,509.74	1,216.91	292.83	5.156		
7,950.00	7,054.37	7,032.37	7,032.37	50.73	243.78	80.51	-3,833.59	-213.89	1,475.12	1,181.69	293.42	5.027		
8,000.00	7,063.14	7,041.14	7,041.14	50.92	244.08	80.73	-3,833.59	-213.89	1,441.97	1,148.06	293.91	4.906		
8,050.00	7,068.36	7,046.36	7,046.36	51.13	244.27	80.91	-3,833.59	-213.89	1,410.69	1,116.39	294.29	4.793		
8,094.17	7,070.00	7,048.00	7,048.00	51.34	244.32	81.06	-3,833.59	-213.89	1,384.89	1,090.34	294.55	4.702		
8,100.00	7,070.03	7,048.03	7,048.03	51.37	244.32	81.11	-3,833.59	-213.89	1,381.62	1,087.05	294.57	4.690		
8,200.00	7,070.55	7,048.55	7,048.55	51.94	244.34	81.82	-3,833.59	-213.89	1,328.25	1,033.12	295.13	4.501		
8,300.00	7,071.07	7,049.07	7,049.07	52.64	244.36	82.51	-3,833.59	-213.89	1,280.47	984.66	295.81	4.329		
8,400.00	7,071.60	7,049.60	7,049.60	53.49	244.38	83.18	-3,833.59	-213.89	1,238.94	942.31	296.63	4.177		
8,500.00	7,072.12	7,050.12	7,050.12	54.50	244.40	83.90	-3,833.59	-213.89	1,204.29	906.73	297.57	4.047		
8,600.00	7,072.64	7,050.64	7,050.64	55.69	244.41	84.63	-3,833.59	-213.89	1,177.15	878.55	298.60	3.942		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,700.00	7,073.17	7,051.17	7,051.17	57.04	244.43	-89.95	-3,833.59	-213.89	1,158.03	858.32	299.71	3.864		
8,800.00	7,073.69	7,051.69	7,051.69	58.55	244.45	-89.98	-3,833.59	-213.89	1,147.34	846.50	300.84	3.814		
8,873.21	7,074.07	7,052.07	7,052.07	59.76	244.46	-90.00	-3,833.59	-213.89	1,145.01	843.34	301.67	3.796 CC, ES		
8,900.00	7,074.21	7,052.21	7,052.21	60.21	244.47	-90.01	-3,833.59	-213.89	1,145.32	843.37	301.95	3.793 SF		
9,000.00	7,074.74	7,052.74	7,052.74	61.99	244.49	-90.03	-3,833.59	-213.89	1,152.00	849.01	302.99	3.802		
9,100.00	7,075.26	7,053.26	7,053.26	63.88	244.51	-90.06	-3,833.59	-213.89	1,167.25	863.33	303.92	3.841		
9,200.00	7,075.78	7,053.78	7,053.78	65.87	244.52	-90.09	-3,833.59	-213.89	1,190.73	886.01	304.71	3.908		
9,300.00	7,076.30	7,054.30	7,054.30	67.95	244.54	-90.11	-3,833.59	-213.89	1,221.96	916.60	305.36	4.002		
9,400.00	7,076.83	7,054.83	7,054.83	70.09	244.56	-90.14	-3,833.59	-213.89	1,260.37	954.51	305.87	4.121		
9,500.00	7,077.35	7,055.35	7,055.35	72.30	244.58	-90.16	-3,833.59	-213.89	1,305.33	999.10	306.23	4.263		
9,600.00	7,077.87	7,055.87	7,055.87	74.57	244.60	-90.19	-3,833.59	-213.89	1,356.19	1,049.71	306.48	4.425		
9,700.00	7,078.40	7,056.40	7,056.40	76.88	244.62	-90.22	-3,833.59	-213.89	1,412.30	1,105.68	306.63	4.606		
9,800.00	7,078.92	7,056.92	7,056.92	79.24	244.63	-90.24	-3,833.59	-213.89	1,473.08	1,166.38	306.69	4.803		
9,900.00	7,079.44	7,057.44	7,057.44	81.63	244.65	-90.27	-3,833.59	-213.89	1,537.96	1,231.26	306.69	5.015		
10,000.00	7,079.97	7,057.97	7,057.97	84.06	244.67	-90.29	-3,833.59	-213.89	1,606.44	1,299.80	306.64	5.239		
10,100.00	7,080.49	7,058.49	7,058.49	86.52	244.69	-90.32	-3,833.59	-213.89	1,678.10	1,371.54	306.56	5.474		
10,200.00	7,081.01	7,059.01	7,059.01	89.01	244.71	-90.35	-3,833.59	-213.89	1,752.53	1,446.08	306.45	5.719		
10,300.00	7,081.54	7,059.54	7,059.54	91.52	244.73	-90.37	-3,833.59	-213.89	1,829.40	1,523.08	306.32	5.972		
10,400.00	7,082.06	7,060.06	7,060.06	94.05	244.74	-90.40	-3,833.59	-213.89	1,908.42	1,602.24	306.18	6.233		
10,500.00	7,082.58	7,060.58	7,060.58	96.61	244.76	-90.43	-3,833.59	-213.89	1,989.32	1,683.29	306.04	6.500		
10,600.00	7,083.10	7,061.10	7,061.10	99.18	244.78	-90.45	-3,833.59	-213.89	2,071.90	1,766.01	305.89	6.773		
10,700.00	7,083.63	7,061.63	7,061.63	101.77	244.80	-90.48	-3,833.59	-213.89	2,155.95	1,850.20	305.74	7.052		
10,800.00	7,084.15	7,062.15	7,062.15	104.38	244.82	-90.50	-3,833.59	-213.89	2,241.31	1,935.71	305.60	7.334		
10,900.00	7,084.67	7,062.67	7,062.67	107.00	244.83	-90.53	-3,833.59	-213.89	2,327.83	2,022.37	305.46	7.621		
11,000.00	7,085.20	7,063.20	7,063.20	109.63	244.85	-90.56	-3,833.59	-213.89	2,415.40	2,110.07	305.32	7.911		
11,100.00	7,085.72	7,063.72	7,063.72	112.27	244.87	-90.58	-3,833.59	-213.89	2,503.90	2,198.70	305.20	8.204		
11,200.00	7,086.24	7,064.24	7,064.24	114.93	244.89	-90.61	-3,833.59	-213.89	2,593.23	2,288.16	305.07	8.500		
11,300.00	7,086.77	7,064.77	7,064.77	117.59	244.91	-90.64	-3,833.59	-213.89	2,683.32	2,378.36	304.96	8.799		
11,400.00	7,087.29	7,065.29	7,065.29	120.27	244.93	-90.66	-3,833.59	-213.89	2,774.08	2,469.23	304.85	9.100		
11,500.00	7,087.81	7,065.81	7,065.81	122.95	244.94	-90.69	-3,833.59	-213.89	2,865.46	2,560.72	304.75	9.403		
11,600.00	7,088.33	7,066.33	7,066.33	125.64	244.96	-90.71	-3,833.59	-213.89	2,957.40	2,652.75	304.65	9.708		
11,700.00	7,088.86	7,066.86	7,066.86	128.34	244.98	-90.74	-3,833.59	-213.89	3,049.85	2,745.29	304.56	10.014		
11,800.00	7,089.38	7,067.38	7,067.38	131.05	245.00	-90.77	-3,833.59	-213.89	3,142.75	2,838.28	304.47	10.322		
11,900.00	7,089.90	7,067.90	7,067.90	133.76	245.02	-90.79	-3,833.59	-213.89	3,236.09	2,931.69	304.40	10.631		
12,000.00	7,090.43	7,068.43	7,068.43	136.49	245.04	-90.82	-3,833.59	-213.89	3,329.80	3,025.48	304.32	10.942		
12,100.00	7,090.95	7,068.95	7,068.95	139.21	245.05	-90.84	-3,833.59	-213.89	3,423.88	3,119.62	304.26	11.253		
12,200.00	7,091.47	7,069.47	7,069.47	141.94	245.07	-90.87	-3,833.59	-213.89	3,518.28	3,214.08	304.20	11.566		
12,300.00	7,092.00	7,070.00	7,070.00	144.68	245.09	-90.90	-3,833.59	-213.89	3,612.98	3,308.84	304.14	11.879		
12,400.00	7,092.52	7,070.52	7,070.52	147.42	245.11	-90.92	-3,833.59	-213.89	3,707.96	3,403.87	304.09	12.194		
12,500.00	7,093.04	7,071.04	7,071.04	150.17	245.13	-90.95	-3,833.59	-213.89	3,803.19	3,499.16	304.04	12.509		
12,600.00	7,093.57	7,071.57	7,071.57	152.92	245.15	-90.98	-3,833.59	-213.89	3,898.67	3,594.67	304.00	12.825		
12,700.00	7,094.09	7,072.09	7,072.09	155.67	245.16	-91.00	-3,833.59	-213.89	3,994.37	3,690.41	303.96	13.141		
12,800.00	7,094.61	7,072.61	7,072.61	158.43	245.18	-91.03	-3,833.59	-213.89	4,090.27	3,786.35	303.92	13.458		
12,900.00	7,095.13	7,073.13	7,073.13	161.19	245.20	-91.05	-3,833.59	-213.89	4,186.36	3,882.47	303.89	13.776		
13,000.00	7,095.66	7,073.66	7,073.66	163.96	245.22	-91.08	-3,833.59	-213.89	4,282.64	3,978.77	303.86	14.094		
13,100.00	7,096.18	7,074.18	7,074.18	166.73	245.24	-91.11	-3,833.59	-213.89	4,379.08	4,075.24	303.84	14.412		
13,200.00	7,096.70	7,074.70	7,074.70	169.50	245.25	-91.13	-3,833.59	-213.89	4,475.67	4,171.85	303.82	14.731		
13,256.62	7,097.00	7,075.00	7,075.00	171.07	245.27	-91.15	-3,833.59	-213.89	4,530.43	4,226.62	303.81	14.912		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-69.56	1,634.30	-4,385.34	4,679.97					
100.00	100.00	140.00	140.00	3.28	4.54	-69.56	1,634.30	-4,385.34	4,679.97	4,672.14	7.83	597.948		
200.00	200.00	240.00	240.00	3.34	7.40	-69.56	1,634.30	-4,385.34	4,679.97	4,669.23	10.74	435.889		
300.00	300.00	340.00	340.00	3.44	10.64	-69.56	1,634.30	-4,385.34	4,679.97	4,665.88	14.09	332.222		
400.00	399.98	439.98	439.98	3.60	14.00	136.95	1,634.30	-4,385.34	4,681.25	4,663.65	17.60	265.985		
500.00	499.84	539.84	539.84	3.79	17.41	136.94	1,634.30	-4,385.34	4,685.07	4,663.87	21.20	221.008		
600.00	599.45	639.45	639.45	4.02	20.84	136.92	1,634.30	-4,385.34	4,691.45	4,666.59	24.86	188.738		
700.00	698.70	738.70	738.70	4.29	24.27	136.90	1,634.30	-4,385.34	4,700.38	4,671.83	28.55	164.610		
800.00	797.47	837.47	837.47	4.59	27.69	136.87	1,634.30	-4,385.34	4,711.87	4,679.59	32.28	145.977		
900.00	895.62	935.62	935.62	4.93	31.09	136.84	1,634.30	-4,385.34	4,725.91	4,689.89	36.02	131.214		
1,000.00	993.06	1,033.06	1,033.06	5.31	34.47	136.79	1,634.30	-4,385.34	4,742.51	4,702.75	39.76	119.272		
1,100.00	1,089.64	1,129.64	1,129.64	5.72	37.83	136.73	1,634.30	-4,385.34	4,761.67	4,718.16	43.51	109.445		
1,200.00	1,185.27	1,225.27	1,225.27	6.16	41.16	136.66	1,634.30	-4,385.34	4,783.39	4,736.14	47.25	101.242		
1,300.00	1,279.82	1,319.82	1,319.82	6.64	44.45	136.58	1,634.30	-4,385.34	4,807.67	4,756.69	50.97	94.315		
1,400.00	1,373.17	1,413.17	1,413.17	7.16	47.70	136.48	1,634.30	-4,385.34	4,834.50	4,779.82	54.69	88.405		
1,500.00	1,465.21	1,505.21	1,505.21	7.71	50.91	136.36	1,634.30	-4,385.34	4,863.90	4,805.52	58.38	83.319		
1,600.00	1,555.84	1,604.16	1,595.84	8.31	54.35	136.22	1,634.30	-4,385.34	4,895.84	4,833.51	62.33	78.545		
1,613.50	1,567.96	1,607.96	1,607.96	8.39	54.49	136.20	1,634.30	-4,385.34	4,900.35	4,837.81	62.54	78.359		
1,700.00	1,645.53	1,685.53	1,685.53	8.93	57.19	136.50	1,634.30	-4,385.34	4,929.44	4,863.75	65.69	75.040		
1,800.00	1,735.20	1,775.20	1,775.20	9.58	60.32	136.83	1,634.30	-4,385.34	4,963.23	4,893.88	69.35	71.569		
1,900.00	1,824.87	1,864.87	1,864.87	10.25	63.44	137.16	1,634.30	-4,385.34	4,997.18	4,924.17	73.02	68.438		
2,000.00	1,914.54	1,954.54	1,954.54	10.92	66.57	137.49	1,634.30	-4,385.34	5,031.30	4,954.60	76.69	65.602		
2,100.00	2,004.21	2,044.21	2,044.21	11.61	69.70	137.81	1,634.30	-4,385.34	5,065.57	4,985.19	80.38	63.022		
2,200.00	2,093.89	2,133.89	2,133.89	12.30	72.82	138.13	1,634.30	-4,385.34	5,099.99	5,015.92	84.07	60.666		
2,300.00	2,183.56	2,223.56	2,223.56	13.01	75.95	138.45	1,634.30	-4,385.34	5,134.57	5,046.81	87.76	58.507		
2,400.00	2,273.23	2,313.23	2,313.23	13.71	79.08	138.76	1,634.30	-4,385.34	5,169.29	5,077.83	91.46	56.522		
2,500.00	2,362.90	2,402.90	2,402.90	14.43	82.21	139.07	1,634.30	-4,385.34	5,204.16	5,109.00	95.16	54.691		
2,600.00	2,452.57	2,502.43	2,492.57	15.14	85.85	139.37	1,634.30	-4,385.34	5,239.16	5,139.79	99.38	52.721		
2,700.00	2,542.25	2,582.25	2,582.25	15.87	88.46	139.67	1,634.30	-4,385.34	5,274.31	5,171.75	102.56	51.426		
2,800.00	2,631.92	2,671.92	2,671.92	16.59	91.59	139.97	1,634.30	-4,385.34	5,309.60	5,203.33	106.27	49.966		
2,900.00	2,721.59	2,761.59	2,761.59	17.32	94.72	140.26	1,634.30	-4,385.34	5,345.02	5,235.05	109.97	48.604		
3,000.00	2,811.26	2,851.26	2,851.26	18.05	97.85	140.55	1,634.30	-4,385.34	5,380.56	5,266.89	113.68	47.333		
3,100.00	2,900.93	2,940.93	2,940.93	18.78	100.98	140.83	1,634.30	-4,385.34	5,416.24	5,298.86	117.38	46.142		
3,200.00	2,990.60	3,030.60	3,030.60	19.51	104.10	141.12	1,634.30	-4,385.34	5,452.04	5,330.96	121.09	45.026		
3,300.00	3,080.28	3,120.28	3,120.28	20.25	107.23	141.40	1,634.30	-4,385.34	5,487.97	5,363.18	124.79	43.976		
3,400.00	3,169.95	3,209.95	3,209.95	20.99	110.36	141.67	1,634.30	-4,385.34	5,524.02	5,395.52	128.50	42.989		
3,500.00	3,259.62	3,300.38	3,299.62	21.73	113.52	141.94	1,634.30	-4,385.34	5,560.18	5,427.95	132.23	42.049		
3,600.00	3,349.29	3,389.29	3,389.29	22.47	116.62	142.21	1,634.30	-4,385.34	5,596.47	5,460.56	135.91	41.178		
3,700.00	3,438.96	3,478.96	3,478.96	23.21	119.75	142.48	1,634.30	-4,385.34	5,632.86	5,493.25	139.61	40.346		
3,800.00	3,528.64	3,568.64	3,568.64	23.95	122.88	142.74	1,634.30	-4,385.34	5,669.37	5,526.05	143.32	39.558		
3,900.00	3,618.31	3,658.31	3,658.31	24.69	126.01	143.00	1,634.30	-4,385.34	5,705.99	5,558.97	147.02	38.811		
4,000.00	3,707.98	3,747.98	3,747.98	25.44	129.14	143.26	1,634.30	-4,385.34	5,742.72	5,591.99	150.72	38.101		
4,100.00	3,797.65	3,837.65	3,837.65	26.18	132.27	143.51	1,634.30	-4,385.34	5,779.55	5,625.12	154.43	37.426		
4,200.00	3,887.32	3,927.32	3,927.32	26.93	135.40	143.76	1,634.30	-4,385.34	5,816.48	5,658.35	158.13	36.783		
4,300.00	3,976.99	4,016.99	4,016.99	27.68	138.53	144.01	1,634.30	-4,385.34	5,853.52	5,691.69	161.83	36.171		
4,400.00	4,066.67	4,106.67	4,106.67	28.42	141.66	144.25	1,634.30	-4,385.34	5,890.66	5,725.13	165.53	35.587		
4,500.00	4,156.34	4,203.66	4,196.34	29.17	145.04	144.49	1,634.30	-4,385.34	5,927.89	5,758.41	169.48	34.976		
4,600.00	4,246.01	4,286.01	4,286.01	29.92	147.92	144.73	1,634.30	-4,385.34	5,965.22	5,792.29	172.93	34.496		
4,700.00	4,335.68	4,375.68	4,375.68	30.67	151.05	144.97	1,634.30	-4,385.34	6,002.64	5,826.02	176.62	33.986		
4,800.00	4,425.35	4,465.35	4,465.35	31.42	154.18	145.20	1,634.30	-4,385.34	6,040.16	5,859.84	180.32	33.497		
4,900.00	4,515.03	4,555.03	4,555.03	32.17	157.30	145.43	1,634.30	-4,385.34	6,077.77	5,893.75	184.01	33.029		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,604.70	4,644.70	4,644.70	32.92	160.43	145.66	1,634.30	-4,385.34	6,115.46	5,927.75	187.71	32.579		
5,100.00	4,694.37	4,734.37	4,734.37	33.67	163.56	145.88	1,634.30	-4,385.34	6,153.25	5,961.84	191.40	32.148		
5,200.00	4,784.04	4,824.04	4,824.04	34.42	166.69	146.11	1,634.30	-4,385.34	6,191.12	5,996.02	195.10	31.734		
5,300.00	4,873.71	4,913.71	4,913.71	35.17	169.82	146.33	1,634.30	-4,385.34	6,229.07	6,030.28	198.79	31.335		
5,400.00	4,963.38	5,003.38	5,003.38	35.92	172.95	146.54	1,634.30	-4,385.34	6,267.11	6,064.63	202.48	30.952		
5,500.00	5,053.06	5,106.94	5,093.06	36.67	176.57	146.76	1,634.30	-4,385.34	6,305.23	6,098.57	206.66	30.511		
5,600.00	5,142.73	5,182.73	5,182.73	37.43	179.21	146.97	1,634.30	-4,385.34	6,343.42	6,133.56	209.86	30.227		
5,700.00	5,232.40	5,272.40	5,272.40	38.18	182.34	147.18	1,634.30	-4,385.34	6,381.70	6,168.15	213.55	29.884		
5,800.00	5,322.07	5,362.07	5,362.07	38.93	185.47	147.39	1,634.30	-4,385.34	6,420.05	6,202.81	217.24	29.553		
5,900.00	5,411.74	5,451.74	5,451.74	39.68	188.60	147.60	1,634.30	-4,385.34	6,458.48	6,237.55	220.93	29.233		
6,000.00	5,501.42	5,541.42	5,541.42	40.44	191.73	147.80	1,634.30	-4,385.34	6,496.98	6,272.37	224.62	28.925		
6,100.00	5,591.09	5,631.09	5,631.09	41.19	194.86	148.00	1,634.30	-4,385.34	6,535.56	6,307.26	228.30	28.627		
6,200.00	5,680.76	5,720.76	5,720.76	41.94	197.99	148.20	1,634.30	-4,385.34	6,574.21	6,342.22	231.99	28.338		
6,300.00	5,770.43	5,810.43	5,810.43	42.70	201.12	148.39	1,634.30	-4,385.34	6,612.92	6,377.25	235.67	28.060		
6,400.00	5,860.10	5,900.10	5,900.10	43.45	204.25	148.59	1,634.30	-4,385.34	6,651.71	6,412.35	239.36	27.790		
6,500.00	5,949.77	5,989.77	5,989.77	44.20	207.38	148.78	1,634.30	-4,385.34	6,690.57	6,447.52	243.04	27.528		
6,600.00	6,039.45	6,079.45	6,079.45	44.96	210.51	148.97	1,634.30	-4,385.34	6,729.49	6,482.76	246.73	27.275		
6,700.00	6,129.12	6,169.12	6,169.12	45.71	213.64	149.16	1,634.30	-4,385.34	6,768.47	6,518.06	250.41	27.030		
6,800.00	6,218.79	6,258.79	6,258.79	46.46	216.77	149.35	1,634.30	-4,385.34	6,807.53	6,553.43	254.09	26.792		
6,900.00	6,308.46	6,348.46	6,348.46	47.22	219.90	149.53	1,634.30	-4,385.34	6,846.64	6,588.87	257.77	26.561		
6,969.86	6,371.11	6,411.11	6,411.11	47.75	222.09	149.66	1,634.30	-4,385.34	6,874.00	6,613.66	260.35	26.403		
7,000.00	6,398.25	6,438.25	6,438.25	47.97	223.04	143.87	1,634.30	-4,385.34	6,885.28	6,623.82	261.46	26.334		
7,050.00	6,443.70	6,483.70	6,483.70	48.31	224.62	133.61	1,634.30	-4,385.34	6,901.57	6,638.26	263.31	26.211		
7,100.00	6,489.42	6,529.42	6,529.42	48.61	226.22	122.94	1,634.30	-4,385.34	6,914.78	6,649.62	265.16	26.078		
7,150.00	6,535.12	6,575.12	6,575.12	48.87	227.82	112.49	1,634.30	-4,385.34	6,924.85	6,657.85	266.99	25.936		
7,200.00	6,580.53	6,620.53	6,620.53	49.09	229.40	102.89	1,634.30	-4,385.34	6,931.72	6,662.93	268.79	25.789		
7,250.00	6,625.36	6,665.36	6,665.36	49.27	230.97	94.55	1,634.30	-4,385.34	6,935.37	6,664.84	270.54	25.636		
7,300.00	6,669.35	6,709.35	6,709.35	49.42	232.50	87.63	1,634.30	-4,385.34	6,935.80	6,663.59	272.22	25.479		
7,350.00	6,712.21	6,752.21	6,752.21	49.55	234.00	82.07	1,634.30	-4,385.34	6,933.03	6,659.21	273.83	25.319		
7,400.00	6,753.69	6,806.31	6,793.69	49.65	235.89	77.71	1,634.30	-4,385.34	6,927.09	6,651.30	275.79	25.117		
7,450.00	6,793.52	6,833.52	6,833.52	49.73	236.84	74.41	1,634.30	-4,385.34	6,918.04	6,641.25	276.79	24.994		
7,500.00	6,831.47	6,871.47	6,871.47	49.81	238.16	71.99	1,634.30	-4,385.34	6,905.95	6,627.81	278.14	24.829		
7,550.00	6,867.30	6,907.30	6,907.30	49.88	239.41	70.35	1,634.30	-4,385.34	6,890.91	6,611.53	279.39	24.665		
7,600.00	6,900.78	6,940.78	6,940.78	49.95	240.58	69.39	1,634.30	-4,385.34	6,873.04	6,592.50	280.54	24.499		
7,650.00	6,931.72	6,971.72	6,971.72	50.03	241.66	69.03	1,634.30	-4,385.34	6,852.45	6,570.86	281.59	24.335		
7,700.00	6,959.92	7,000.08	6,999.92	50.11	242.65	69.25	1,634.30	-4,385.34	6,829.29	6,546.74	282.55	24.170		
7,750.00	6,985.20	7,025.20	7,025.20	50.20	243.53	70.00	1,634.30	-4,385.34	6,803.71	6,520.30	283.41	24.007		
7,800.00	7,007.41	7,047.41	7,047.41	50.30	244.30	71.27	1,634.30	-4,385.34	6,775.86	6,491.69	284.17	23.844		
7,850.00	7,026.42	7,066.42	7,066.42	50.42	244.97	73.07	1,634.30	-4,385.34	6,745.94	6,461.10	284.84	23.683		
7,900.00	7,042.11	7,082.11	7,082.11	50.57	245.51	75.40	1,634.30	-4,385.34	6,714.12	6,428.70	285.42	23.524		
7,950.00	7,054.37	7,105.63	7,094.37	50.73	246.33	78.28	1,634.30	-4,385.34	6,680.60	6,394.30	286.29	23.335		
8,000.00	7,063.14	7,103.14	7,103.14	50.92	246.25	81.71	1,634.30	-4,385.34	6,645.58	6,359.28	286.29	23.212		
8,050.00	7,068.36	7,108.36	7,108.36	51.13	246.43	85.69	1,634.30	-4,385.34	6,609.26	6,322.67	286.59	23.061		
8,094.17	7,070.00	7,110.00	7,110.00	51.34	246.49	89.65	1,634.30	-4,385.34	6,576.28	6,289.49	286.78	22.931		
8,100.00	7,070.03	7,110.03	7,110.03	51.37	246.49	89.66	1,634.30	-4,385.34	6,571.87	6,285.07	286.80	22.914		
8,200.00	7,070.55	7,110.55	7,110.55	51.94	246.51	89.66	1,634.30	-4,385.34	6,496.72	6,209.52	287.20	22.621		
8,300.00	7,071.07	7,111.07	7,111.07	52.64	246.52	89.67	1,634.30	-4,385.34	6,422.25	6,134.53	287.72	22.321		
8,400.00	7,071.60	7,111.60	7,111.60	53.49	246.54	89.68	1,634.30	-4,385.34	6,348.48	6,060.13	288.35	22.016		
8,500.00	7,072.12	7,112.12	7,112.12	54.50	246.56	89.68	1,634.30	-4,385.34	6,275.43	5,986.32	289.11	21.706		
8,600.00	7,072.64	7,112.64	7,112.64	55.69	246.58	89.69	1,634.30	-4,385.34	6,203.14	5,913.15	289.99	21.391		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OPAL #1(PA) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,700.00	7,073.17	7,113.17	7,113.17	57.04	246.60	89.70	1,634.30	-4,385.34	6,131.63	5,840.63	291.00	21.071				
8,800.00	7,073.69	7,113.69	7,113.69	58.55	246.62	89.70	1,634.30	-4,385.34	6,060.92	5,768.79	292.13	20.748				
8,900.00	7,074.21	7,114.21	7,114.21	60.21	246.63	89.71	1,634.30	-4,385.34	5,991.04	5,697.66	293.38	20.421				
9,000.00	7,074.74	7,114.74	7,114.74	61.99	246.65	89.72	1,634.30	-4,385.34	5,922.03	5,627.28	294.76	20.091				
9,100.00	7,075.26	7,115.26	7,115.26	63.88	246.67	89.72	1,634.30	-4,385.34	5,853.92	5,557.66	296.26	19.760				
9,200.00	7,075.78	7,115.78	7,115.78	65.87	246.69	89.73	1,634.30	-4,385.34	5,786.73	5,488.86	297.87	19.427				
9,300.00	7,076.30	7,116.30	7,116.30	67.95	246.71	89.74	1,634.30	-4,385.34	5,720.50	5,420.89	299.61	19.093				
9,400.00	7,076.83	7,116.83	7,116.83	70.09	246.73	89.75	1,634.30	-4,385.34	5,655.26	5,353.81	301.46	18.760				
9,500.00	7,077.35	7,117.35	7,117.35	72.30	246.74	89.75	1,634.30	-4,385.34	5,591.06	5,287.64	303.42	18.427				
9,600.00	7,077.87	7,117.87	7,117.87	74.57	246.76	89.76	1,634.30	-4,385.34	5,527.91	5,222.42	305.49	18.095				
9,700.00	7,078.40	7,118.40	7,118.40	76.88	246.78	89.77	1,634.30	-4,385.34	5,465.86	5,158.20	307.66	17.766				
9,800.00	7,078.92	7,118.92	7,118.92	79.24	246.80	89.77	1,634.30	-4,385.34	5,404.95	5,095.02	309.94	17.439				
9,900.00	7,079.44	7,119.44	7,119.44	81.63	246.82	89.78	1,634.30	-4,385.34	5,345.22	5,032.91	312.31	17.115				
10,000.00	7,079.97	7,119.97	7,119.97	84.06	246.83	89.79	1,634.30	-4,385.34	5,286.71	4,971.92	314.78	16.795				
10,100.00	7,080.49	7,120.49	7,120.49	86.52	246.85	89.79	1,634.30	-4,385.34	5,229.45	4,912.10	317.35	16.479				
10,200.00	7,081.01	7,121.01	7,121.01	89.01	246.87	89.80	1,634.30	-4,385.34	5,173.49	4,853.50	320.00	16.167				
10,300.00	7,081.54	7,121.54	7,121.54	91.52	246.89	89.81	1,634.30	-4,385.34	5,118.88	4,796.14	322.73	15.861				
10,400.00	7,082.06	7,122.06	7,122.06	94.05	246.91	89.82	1,634.30	-4,385.34	5,065.65	4,740.10	325.55	15.560				
10,500.00	7,082.58	7,122.58	7,122.58	96.61	246.93	89.82	1,634.30	-4,385.34	5,013.85	4,685.40	328.45	15.265				
10,600.00	7,083.10	7,123.10	7,123.10	99.18	246.94	89.83	1,634.30	-4,385.34	4,963.52	4,632.11	331.41	14.977				
10,700.00	7,083.63	7,123.63	7,123.63	101.77	246.96	89.84	1,634.30	-4,385.34	4,914.71	4,580.26	334.45	14.695				
10,800.00	7,084.15	7,124.15	7,124.15	104.38	246.98	89.84	1,634.30	-4,385.34	4,867.47	4,529.92	337.55	14.420				
10,900.00	7,084.67	7,124.67	7,124.67	107.00	247.00	89.85	1,634.30	-4,385.34	4,821.84	4,481.12	340.72	14.152				
11,000.00	7,085.20	7,125.20	7,125.20	109.63	247.02	89.86	1,634.30	-4,385.34	4,777.87	4,433.93	343.94	13.892				
11,100.00	7,085.72	7,125.72	7,125.72	112.27	247.04	89.86	1,634.30	-4,385.34	4,735.60	4,388.39	347.21	13.639				
11,200.00	7,086.24	7,126.24	7,126.24	114.93	247.05	89.87	1,634.30	-4,385.34	4,695.08	4,344.55	350.53	13.394				
11,300.00	7,086.77	7,126.77	7,126.77	117.59	247.07	89.88	1,634.30	-4,385.34	4,656.35	4,302.47	353.88	13.158				
11,400.00	7,087.29	7,127.29	7,127.29	120.27	247.09	89.88	1,634.30	-4,385.34	4,619.47	4,262.19	357.28	12.930				
11,500.00	7,087.81	7,127.81	7,127.81	122.95	247.11	89.89	1,634.30	-4,385.34	4,584.47	4,223.77	360.70	12.710				
11,600.00	7,088.33	7,128.33	7,128.33	125.64	247.13	89.90	1,634.30	-4,385.34	4,551.40	4,187.26	364.14	12.499				
11,700.00	7,088.86	7,128.86	7,128.86	128.34	247.15	89.91	1,634.30	-4,385.34	4,520.30	4,152.69	367.61	12.297				
11,800.00	7,089.38	7,129.38	7,129.38	131.05	247.16	89.91	1,634.30	-4,385.34	4,491.21	4,120.13	371.08	12.103				
11,900.00	7,089.90	7,129.90	7,129.90	133.76	247.18	89.92	1,634.30	-4,385.34	4,464.17	4,089.62	374.55	11.919				
12,000.00	7,090.43	7,130.43	7,130.43	136.49	247.20	89.93	1,634.30	-4,385.34	4,439.22	4,061.20	378.03	11.743				
12,100.00	7,090.95	7,130.95	7,130.95	139.21	247.22	89.93	1,634.30	-4,385.34	4,416.40	4,034.91	381.49	11.577				
12,200.00	7,091.47	7,131.47	7,131.47	141.94	247.24	89.94	1,634.30	-4,385.34	4,395.73	4,010.79	384.93	11.419				
12,300.00	7,092.00	7,132.00	7,132.00	144.68	247.25	89.95	1,634.30	-4,385.34	4,377.25	3,988.89	388.36	11.271				
12,400.00	7,092.52	7,132.52	7,132.52	147.42	247.27	89.95	1,634.30	-4,385.34	4,360.98	3,969.24	391.74	11.132				
12,500.00	7,093.04	7,133.04	7,133.04	150.17	247.29	89.96	1,634.30	-4,385.34	4,346.96	3,951.86	395.09	11.002				
12,600.00	7,093.57	7,133.57	7,133.57	152.92	247.31	89.97	1,634.30	-4,385.34	4,335.19	3,936.79	398.40	10.882				
12,700.00	7,094.09	7,134.09	7,134.09	155.67	247.33	89.97	1,634.30	-4,385.34	4,325.71	3,924.06	401.65	10.770				
12,800.00	7,094.61	7,134.61	7,134.61	158.43	247.35	89.98	1,634.30	-4,385.34	4,318.52	3,913.68	404.84	10.667				
12,900.00	7,095.13	7,135.13	7,135.13	161.19	247.36	89.99	1,634.30	-4,385.34	4,313.64	3,905.67	407.97	10.573				
13,000.00	7,095.66	7,135.66	7,135.66	163.96	247.38	90.00	1,634.30	-4,385.34	4,311.07	3,900.04	411.03	10.489				
13,060.70	7,095.98	7,135.98	7,135.98	165.64	247.39	90.00	1,634.30	-4,385.34	4,310.64	3,897.80	412.84	10.441 CC				
13,100.00	7,096.18	7,136.18	7,136.18	166.73	247.40	90.00	1,634.30	-4,385.34	4,310.82	3,896.82	414.00	10.413				
13,200.00	7,096.70	7,136.70	7,136.70	169.50	247.42	90.01	1,634.30	-4,385.34	4,312.89	3,895.99	416.90	10.345 ES				
13,256.62	7,097.00	7,137.00	7,137.00	171.07	247.43	90.01	1,634.30	-4,385.34	4,315.09	3,896.59	418.50	10.311 SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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							
0.00	0.00		0.00	3.28	3.28	163.77	-3,511.52	1,022.44	3,657.35										
100.00	100.00	79.38	79.38	3.28	3.28	163.77	-3,511.78	1,022.12	3,657.53	3,650.96	6.57	556.751							
200.00	200.00	169.57	169.56	3.34	3.32	163.79	-3,512.52	1,021.37	3,658.09	3,651.43	6.66	549.336							
300.00	300.00	291.72	291.71	3.44	3.44	163.79	-3,513.19	1,021.14	3,658.59	3,651.70	6.89	531.192							
400.00	399.98	385.09	385.08	3.60	3.58	10.31	-3,513.25	1,021.32	3,656.99	3,649.81	7.18	509.389							
500.00	499.84	491.63	491.62	3.79	3.79	10.34	-3,513.36	1,021.67	3,652.03	3,644.45	7.58	481.893							
600.00	599.45	585.43	585.42	4.02	4.01	10.39	-3,513.35	1,022.11	3,643.58	3,635.55	8.03	453.744							
700.00	698.70	688.19	688.18	4.29	4.28	10.46	-3,513.46	1,022.43	3,631.78	3,623.21	8.57	423.708							
800.00	797.47	795.05	795.04	4.59	4.59	10.56	-3,513.37	1,022.84	3,616.41	3,607.23	9.18	393.867							
900.00	895.62	901.37	901.35	4.93	4.92	10.68	-3,513.01	1,023.24	3,597.44	3,587.60	9.84	365.721							
1,000.00	993.06	985.84	985.83	5.31	5.20	10.82	-3,512.84	1,023.41	3,575.18	3,564.72	10.46	341.737							
1,100.00	1,089.64	1,078.65	1,078.64	5.72	5.52	11.00	-3,512.91	1,023.53	3,549.84	3,538.69	11.15	318.438							
1,200.00	1,185.27	1,178.10	1,178.09	6.16	5.86	11.21	-3,513.01	1,023.56	3,521.21	3,509.33	11.88	296.446							
1,300.00	1,279.82	1,266.25	1,266.23	6.64	6.18	11.44	-3,513.09	1,023.56	3,489.31	3,476.71	12.59	277.081							
1,400.00	1,373.17	1,367.53	1,367.51	7.16	6.55	11.71	-3,513.27	1,023.68	3,454.30	3,440.92	13.38	258.220							
1,500.00	1,465.21	1,460.17	1,460.16	7.71	6.89	12.02	-3,513.17	1,023.69	3,415.85	3,401.70	14.15	241.445							
1,600.00	1,555.84	1,550.34	1,550.32	8.31	7.22	12.36	-3,513.25	1,023.48	3,374.40	3,359.48	14.92	226.131							
1,613.50	1,567.96	1,563.17	1,563.16	8.39	7.27	12.42	-3,513.25	1,023.45	3,368.56	3,353.53	15.04	224.032							
1,700.00	1,645.53	1,637.88	1,637.86	8.93	7.55	12.55	-3,513.26	1,023.31	3,330.98	3,315.28	15.70	212.183							
1,800.00	1,735.20	1,719.30	1,719.28	9.58	7.87	12.71	-3,513.48	1,023.12	3,287.76	3,271.30	16.46	199.703							
1,900.00	1,824.87	1,807.38	1,807.36	10.25	8.21	12.89	-3,513.87	1,022.76	3,244.69	3,227.42	17.27	187.916							
2,000.00	1,914.54	1,892.85	1,892.83	10.92	8.55	13.06	-3,514.35	1,022.38	3,201.73	3,183.66	18.07	177.143							
2,100.00	2,004.21	1,997.50	1,997.47	11.61	8.96	13.29	-3,514.80	1,021.81	3,158.67	3,139.72	18.95	166.647							
2,200.00	2,093.89	2,081.36	2,081.33	12.30	9.30	13.48	-3,515.08	1,021.11	3,115.48	3,095.71	19.77	157.548							
2,300.00	2,183.56	2,178.95	2,178.92	13.01	9.69	13.71	-3,515.45	1,020.15	3,072.35	3,051.70	20.65	148.803							
2,400.00	2,273.23	2,267.78	2,267.74	13.71	10.05	13.92	-3,515.62	1,019.21	3,029.06	3,007.56	21.50	140.892							
2,500.00	2,362.90	2,355.55	2,355.50	14.43	10.40	14.14	-3,515.88	1,018.26	2,985.90	2,963.54	22.36	133.564							
2,600.00	2,452.57	2,445.28	2,445.23	15.14	10.77	14.37	-3,516.11	1,017.51	2,942.79	2,919.57	23.22	126.711							
2,700.00	2,542.25	2,537.85	2,537.80	15.87	11.15	14.61	-3,516.32	1,016.72	2,899.69	2,875.58	24.11	120.285							
2,800.00	2,631.92	2,631.49	2,631.43	16.59	11.54	14.86	-3,516.39	1,015.81	2,856.48	2,831.48	25.00	114.275							
2,900.00	2,721.59	2,721.90	2,721.85	17.32	11.91	15.11	-3,516.37	1,015.10	2,813.26	2,787.38	25.88	108.698							
3,000.00	2,811.26	2,813.76	2,813.69	18.05	12.29	15.37	-3,516.26	1,014.38	2,770.00	2,743.23	26.77	103.458							
3,100.00	2,900.93	2,897.39	2,897.32	18.78	12.64	15.61	-3,516.27	1,013.61	2,726.87	2,699.22	27.65	98.614							
3,200.00	2,990.60	2,980.08	2,980.01	19.51	12.99	15.86	-3,516.46	1,012.89	2,684.00	2,655.46	28.53	94.062							
3,300.00	3,080.28	3,069.70	3,069.63	20.25	13.36	16.14	-3,516.77	1,012.32	2,641.32	2,611.88	29.44	89.725							
3,400.00	3,169.95	3,155.74	3,155.67	20.99	13.72	16.40	-3,517.02	1,012.00	2,598.69	2,568.36	30.34	85.664							
3,500.00	3,259.62	3,242.73	3,242.66	21.73	14.09	16.67	-3,517.38	1,012.05	2,556.29	2,525.06	31.24	81.831							
3,600.00	3,349.29	3,334.25	3,334.17	22.47	14.47	16.97	-3,517.76	1,011.99	2,513.94	2,481.79	32.15	78.183							
3,700.00	3,438.96	3,423.80	3,423.73	23.21	14.85	17.27	-3,518.06	1,011.99	2,471.58	2,438.51	33.07	74.737							
3,800.00	3,528.64	3,507.68	3,507.60	23.95	15.20	17.55	-3,518.49	1,012.06	2,429.44	2,395.46	33.98	71.496							
3,900.00	3,618.31	3,604.49	3,604.41	24.69	15.61	17.90	-3,519.00	1,011.85	2,387.33	2,352.41	34.92	68.373							
4,000.00	3,707.98	3,686.76	3,686.68	25.44	15.96	18.21	-3,519.49	1,011.49	2,345.31	2,309.47	35.84	65.446							
4,100.00	3,797.65	3,781.96	3,781.88	26.18	16.37	18.59	-3,520.09	1,011.25	2,303.43	2,266.65	36.78	62.632							
4,200.00	3,887.32	3,875.74	3,875.66	26.93	16.77	18.96	-3,520.41	1,011.17	2,261.39	2,223.67	37.72	59.954							
4,300.00	3,976.99	3,966.33	3,966.25	27.68	17.15	19.33	-3,520.62	1,011.10	2,219.33	2,180.67	38.66	57.408							
4,400.00	4,066.67	4,057.26	4,057.18	28.42	17.54	19.72	-3,520.79	1,011.16	2,177.33	2,137.73	39.60	54.982							
4,500.00	4,156.34	4,147.70	4,147.62	29.17	17.92	20.11	-3,520.89	1,011.28	2,135.35	2,094.81	40.54	52.670							
4,600.00	4,246.01	4,236.07	4,235.99	29.92	18.29	20.51	-3,520.97	1,011.66	2,093.48	2,051.99	41.48	50.464							
4,700.00	4,335.68	4,324.15	4,324.06	30.67	18.66	20.92	-3,521.15	1,011.97	2,051.80	2,009.37	42.43	48.355							
4,800.00	4,425.35	4,414.91	4,414.82	31.42	19.04	21.35	-3,521.30	1,012.50	2,010.19	1,966.81	43.38	46.334							
4,900.00	4,515.03	4,501.45	4,501.37	32.17	19.40	21.78	-3,521.50	1,013.00	1,968.76	1,924.41	44.34	44.398							

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-MWD															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,604.70	4,590.19	4,590.10	32.92	19.77	22.25	-3,521.84	1,013.36	1,927.53	1,882.22	45.31	42.539				
5,100.00	4,694.37	4,680.34	4,680.25	33.67	20.16	22.74	-3,522.20	1,013.71	1,886.45	1,840.16	46.29	40.756				
5,200.00	4,784.04	4,762.35	4,762.26	34.42	20.50	23.21	-3,522.65	1,014.06	1,845.63	1,798.36	47.27	39.042				
5,300.00	4,873.71	4,847.26	4,847.16	35.17	20.87	23.72	-3,523.54	1,014.31	1,805.36	1,757.09	48.27	37.402				
5,400.00	4,963.38	4,936.97	4,936.87	35.92	21.25	24.28	-3,524.58	1,014.29	1,765.33	1,716.06	49.27	35.827				
5,500.00	5,053.06	5,028.88	5,028.77	36.67	21.65	24.90	-3,525.65	1,014.09	1,725.45	1,675.17	50.28	34.313				
5,600.00	5,142.73	5,122.50	5,122.39	37.43	22.05	25.56	-3,526.53	1,013.65	1,685.53	1,634.23	51.30	32.855				
5,700.00	5,232.40	5,211.37	5,211.26	38.18	22.44	26.22	-3,527.35	1,013.31	1,645.79	1,593.46	52.34	31.447				
5,800.00	5,322.07	5,305.84	5,305.72	38.93	22.84	26.95	-3,528.10	1,013.18	1,606.15	1,552.78	53.37	30.095				
5,900.00	5,411.74	5,400.84	5,400.72	39.68	23.25	27.71	-3,528.56	1,013.17	1,566.44	1,512.03	54.41	28.790				
6,000.00	5,501.42	5,497.44	5,497.31	40.44	23.66	28.53	-3,528.66	1,013.01	1,526.62	1,471.17	55.45	27.532				
6,100.00	5,591.09	5,579.57	5,579.44	41.19	24.01	29.26	-3,528.75	1,012.78	1,487.06	1,430.52	56.54	26.301				
6,200.00	5,680.76	5,674.42	5,674.29	41.94	24.41	30.15	-3,529.04	1,012.66	1,447.95	1,390.34	57.61	25.135				
6,300.00	5,770.43	5,765.01	5,764.89	42.70	24.79	31.04	-3,528.98	1,012.77	1,408.77	1,350.08	58.69	24.002				
6,400.00	5,860.10	5,852.08	5,851.95	43.45	25.16	31.92	-3,529.04	1,013.07	1,370.03	1,310.21	59.81	22.905				
6,500.00	5,949.77	5,942.61	5,942.48	44.20	25.54	32.90	-3,529.24	1,013.29	1,331.75	1,270.81	60.94	21.853				
6,600.00	6,039.45	6,033.50	6,033.37	44.96	25.92	33.94	-3,529.20	1,013.35	1,293.62	1,231.54	62.09	20.835				
6,700.00	6,129.12	6,120.42	6,120.29	45.71	26.28	34.99	-3,529.38	1,013.51	1,256.10	1,192.83	63.27	19.852				
6,800.00	6,218.79	6,214.83	6,214.70	46.46	26.68	36.20	-3,529.41	1,013.67	1,218.87	1,154.42	64.45	18.912				
6,900.00	6,308.46	6,306.17	6,306.05	47.22	27.06	37.43	-3,529.24	1,013.95	1,181.90	1,116.24	65.66	18.001				
6,969.86	6,371.11	6,370.87	6,370.74	47.75	27.33	38.35	-3,529.00	1,014.13	1,156.27	1,089.76	66.51	17.384				
7,000.00	6,398.25	6,398.83	6,398.70	47.97	27.44	32.45	-3,528.86	1,014.15	1,145.11	1,078.23	66.88	17.122				
7,050.00	6,443.70	6,442.59	6,442.46	48.31	27.63	21.60	-3,528.64	1,014.19	1,126.00	1,058.56	67.44	16.696				
7,100.00	6,489.42	6,486.59	6,486.46	48.61	27.81	9.86	-3,528.50	1,014.27	1,106.27	1,038.33	67.94	16.283				
7,150.00	6,535.12	6,532.04	6,531.91	48.87	28.00	-2.14	-3,528.41	1,014.38	1,085.95	1,017.59	68.36	15.886				
7,200.00	6,580.53	6,577.81	6,577.68	49.09	28.19	-13.76	-3,528.29	1,014.43	1,065.09	996.38	68.71	15.502				
7,250.00	6,625.36	6,624.69	6,624.56	49.27	28.38	-24.59	-3,528.12	1,014.41	1,043.84	974.86	68.98	15.133				
7,300.00	6,669.35	6,672.19	6,672.06	49.42	28.58	-34.49	-3,527.79	1,014.41	1,022.30	953.13	69.18	14.778				
7,350.00	6,712.21	6,717.28	6,717.15	49.55	28.77	-43.44	-3,527.33	1,014.42	1,000.73	931.40	69.32	14.436				
7,400.00	6,753.69	6,759.32	6,759.18	49.65	28.94	-51.49	-3,526.86	1,014.44	979.51	910.09	69.42	14.109				
7,450.00	6,793.52	6,799.64	6,799.50	49.73	29.11	-58.75	-3,526.37	1,014.49	959.04	889.56	69.48	13.804				
7,500.00	6,831.47	6,837.00	6,836.86	49.81	29.26	-65.27	-3,525.92	1,014.58	939.75	870.25	69.50	13.522				
7,550.00	6,867.30	6,928.22	6,871.64	49.88	29.64	-71.09	-3,525.51	1,014.74	922.08	852.36	69.72	13.225				
7,600.00	6,900.78	6,904.81	6,904.67	49.95	29.55	-76.27	-3,525.15	1,015.02	906.55	837.11	69.44	13.055				
7,650.00	6,931.72	6,935.29	6,935.14	50.03	29.67	-80.79	-3,524.81	1,015.27	893.60	824.22	69.38	12.880				
7,700.00	6,959.92	6,963.02	6,962.86	50.11	29.79	-84.64	-3,524.51	1,015.51	883.70	814.38	69.32	12.748				
7,750.00	6,985.20	6,987.83	6,987.67	50.20	29.89	-87.81	-3,524.24	1,015.72	877.29	808.02	69.27	12.665				
7,800.00	7,007.41	7,009.56	7,009.41	50.30	29.99	-90.31	-3,524.00	1,015.90	874.74	805.49	69.25	12.631				
7,806.23	7,009.96	7,012.05	7,011.89	50.32	30.00	-90.57	-3,523.98	1,015.92	874.71	805.45	69.26	12.630 CC, ES, SF				
7,850.00	7,026.42	7,028.10	7,027.94	50.42	30.06	-92.11	-3,523.80	1,016.06	876.33	807.06	69.28	12.650				
7,900.00	7,042.11	7,043.31	7,043.15	50.57	30.13	-93.22	-3,523.63	1,016.19	882.24	812.89	69.35	12.722				
7,950.00	7,054.37	7,055.11	7,054.95	50.73	30.18	-93.62	-3,523.51	1,016.29	892.50	823.03	69.47	12.847				
8,000.00	7,063.14	7,063.43	7,063.26	50.92	30.21	-93.28	-3,523.42	1,016.36	907.06	837.41	69.65	13.023				
8,050.00	7,068.36	7,068.20	7,068.04	51.13	30.23	-92.17	-3,523.36	1,016.40	925.71	855.84	69.87	13.249				
8,094.17	7,070.00	7,069.46	7,069.30	51.34	30.24	-90.53	-3,523.35	1,016.41	945.35	875.25	70.10	13.486				
8,100.00	7,070.03	7,069.44	7,069.28	51.37	30.24	-90.53	-3,523.35	1,016.41	948.14	878.01	70.13	13.520				
8,200.00	7,070.55	7,069.12	7,068.96	51.94	30.23	-90.50	-3,523.35	1,016.40	1,000.10	929.37	70.73	14.140				
8,300.00	7,071.07	7,068.80	7,068.64	52.64	30.23	-90.48	-3,523.36	1,016.40	1,058.98	987.57	71.41	14.829				
8,400.00	7,071.60	7,068.48	7,068.32	53.49	30.23	-90.46	-3,523.36	1,016.40	1,123.68	1,051.58	72.11	15.583				
8,500.00	7,072.12	7,068.16	7,068.00	54.50	30.23	-90.44	-3,523.36	1,016.40	1,193.27	1,120.49	72.79	16.394				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-MWD															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,600.00	7,072.64	7,067.84	7,067.68	55.69	30.23	-90.42	-3,523.37	1,016.39	1,266.93	1,193.51	73.42	17.256					
8,700.00	7,073.17	7,067.52	7,067.36	57.04	30.23	-90.39	-3,523.37	1,016.39	1,344.01	1,270.00	74.01	18.160					
8,800.00	7,073.69	7,067.20	7,067.04	58.55	30.23	-90.37	-3,523.37	1,016.39	1,423.93	1,349.39	74.54	19.103					
8,900.00	7,074.21	7,066.89	7,066.72	60.21	30.23	-90.35	-3,523.38	1,016.39	1,506.26	1,431.24	75.02	20.078					
9,000.00	7,074.74	7,066.57	7,066.40	61.99	30.22	-90.33	-3,523.38	1,016.38	1,590.61	1,515.15	75.46	21.080					
9,100.00	7,075.26	7,066.25	7,066.08	63.88	30.22	-90.31	-3,523.38	1,016.38	1,676.68	1,600.84	75.85	22.107					
9,200.00	7,075.78	7,065.93	7,065.76	65.87	30.22	-90.28	-3,523.39	1,016.38	1,764.23	1,688.03	76.20	23.154					
9,300.00	7,076.30	7,065.61	7,065.45	67.95	30.22	-90.26	-3,523.39	1,016.37	1,853.03	1,776.52	76.51	24.219					
9,400.00	7,076.83	7,065.29	7,065.13	70.09	30.22	-90.24	-3,523.39	1,016.37	1,942.92	1,866.13	76.80	25.299					
9,500.00	7,077.35	7,064.97	7,064.81	72.30	30.22	-90.22	-3,523.40	1,016.37	2,033.76	1,956.70	77.06	26.393					
9,600.00	7,077.87	7,064.65	7,064.49	74.57	30.22	-90.20	-3,523.40	1,016.37	2,125.42	2,048.13	77.29	27.498					
9,700.00	7,078.40	7,064.33	7,064.17	76.88	30.21	-90.17	-3,523.41	1,016.36	2,217.80	2,140.29	77.51	28.614					
9,800.00	7,078.92	7,064.01	7,063.85	79.24	30.21	-90.15	-3,523.41	1,016.36	2,310.81	2,233.11	77.70	29.738					
9,900.00	7,079.44	7,063.69	7,063.53	81.63	30.21	-90.13	-3,523.41	1,016.36	2,404.39	2,326.50	77.89	30.871					
10,000.00	7,079.97	7,063.37	7,063.21	84.06	30.21	-90.11	-3,523.42	1,016.36	2,498.46	2,420.41	78.05	32.010					
10,100.00	7,080.49	7,063.05	7,062.89	86.52	30.21	-90.09	-3,523.42	1,016.35	2,592.98	2,514.77	78.21	33.155					
10,200.00	7,081.01	7,062.73	7,062.57	89.01	30.21	-90.06	-3,523.42	1,016.35	2,687.89	2,609.54	78.35	34.305					
10,300.00	7,081.54	7,062.42	7,062.25	91.52	30.21	-90.04	-3,523.43	1,016.35	2,783.16	2,704.68	78.49	35.460					
10,400.00	7,082.06	7,062.10	7,061.93	94.05	30.21	-90.02	-3,523.43	1,016.35	2,878.75	2,800.14	78.61	36.619					
10,500.00	7,082.58	7,061.78	7,061.61	96.61	30.20	-90.00	-3,523.43	1,016.34	2,974.63	2,895.90	78.73	37.782					
10,600.00	7,083.10	7,061.46	7,061.29	99.18	30.20	-89.98	-3,523.44	1,016.34	3,070.78	2,991.93	78.84	38.948					
10,700.00	7,083.63	7,061.14	7,060.98	101.77	30.20	-89.95	-3,523.44	1,016.34	3,167.16	3,088.21	78.95	40.117					
10,800.00	7,084.15	7,060.82	7,060.66	104.38	30.20	-89.93	-3,523.44	1,016.33	3,263.76	3,184.71	79.05	41.288					
10,900.00	7,084.67	7,060.50	7,060.34	107.00	30.20	-89.91	-3,523.45	1,016.33	3,360.56	3,281.41	79.14	42.462					
11,000.00	7,085.20	7,060.18	7,060.02	109.63	30.20	-89.89	-3,523.45	1,016.33	3,457.54	3,378.30	79.23	43.637					
11,100.00	7,085.72	7,059.86	7,059.70	112.27	30.20	-89.87	-3,523.45	1,016.33	3,554.69	3,475.37	79.32	44.814					
11,200.00	7,086.24	7,059.54	7,059.38	114.93	30.19	-89.84	-3,523.46	1,016.32	3,651.99	3,572.58	79.41	45.992					
11,300.00	7,086.77	7,059.22	7,059.06	117.59	30.19	-89.82	-3,523.46	1,016.32	3,749.43	3,669.95	79.49	47.171					
11,400.00	7,087.29	7,058.90	7,058.74	120.27	30.19	-89.80	-3,523.46	1,016.32	3,847.01	3,767.44	79.56	48.351					
11,500.00	7,087.81	7,058.58	7,058.42	122.95	30.19	-89.78	-3,523.47	1,016.32	3,944.70	3,865.07	79.64	49.533					
11,600.00	7,088.33	7,058.26	7,058.10	125.64	30.19	-89.76	-3,523.47	1,016.31	4,042.51	3,962.80	79.71	50.714					
11,700.00	7,088.86	7,057.95	7,057.78	128.34	30.19	-89.73	-3,523.48	1,016.31	4,140.43	4,060.64	79.78	51.896					
11,800.00	7,089.38	7,057.63	7,057.46	131.05	30.19	-89.71	-3,523.48	1,016.31	4,238.44	4,158.59	79.85	53.079					
11,900.00	7,089.90	7,057.31	7,057.14	133.76	30.18	-89.69	-3,523.48	1,016.30	4,336.54	4,256.62	79.92	54.262					
12,000.00	7,090.43	7,056.99	7,056.83	136.49	30.18	-89.67	-3,523.49	1,016.30	4,434.73	4,354.74	79.98	55.445					
12,100.00	7,090.95	7,056.67	7,056.51	139.21	30.18	-89.65	-3,523.49	1,016.30	4,532.99	4,452.94	80.05	56.627					
12,200.00	7,091.47	7,056.35	7,056.19	141.94	30.18	-89.62	-3,523.49	1,016.30	4,631.33	4,551.22	80.11	57.810					
12,300.00	7,092.00	7,056.03	7,055.87	144.68	30.18	-89.60	-3,523.50	1,016.29	4,729.74	4,649.57	80.18	58.992					
12,400.00	7,092.52	7,055.71	7,055.55	147.42	30.18	-89.58	-3,523.50	1,016.29	4,828.22	4,747.98	80.24	60.174					
12,500.00	7,093.04	7,055.39	7,055.23	150.17	30.18	-89.56	-3,523.50	1,016.29	4,926.76	4,846.46	80.30	61.356					
12,600.00	7,093.57	7,055.07	7,054.91	152.92	30.18	-89.54	-3,523.51	1,016.29	5,025.35	4,944.99	80.36	62.537					
12,700.00	7,094.09	7,054.75	7,054.59	155.67	30.17	-89.51	-3,523.51	1,016.28	5,124.00	5,043.58	80.42	63.718					
12,800.00	7,094.61	7,054.43	7,054.27	158.43	30.17	-89.49	-3,523.51	1,016.28	5,222.70	5,142.22	80.48	64.898					
12,900.00	7,095.13	7,054.11	7,053.95	161.19	30.17	-89.47	-3,523.52	1,016.28	5,321.45	5,240.91	80.53	66.077					
13,000.00	7,095.66	7,053.79	7,053.63	163.96	30.17	-89.45	-3,523.52	1,016.27	5,420.24	5,339.65	80.59	67.255					
13,100.00	7,096.18	7,053.48	7,053.31	166.73	30.17	-89.43	-3,523.52	1,016.27	5,519.08	5,438.43	80.65	68.433					
13,200.00	7,096.70	7,053.16	7,052.99	169.50	30.17	-89.40	-3,523.53	1,016.27	5,617.96	5,537.25	80.71	69.609					
13,256.62	7,097.00	7,052.98	7,052.81	171.07	30.17	-89.39	-3,523.53	1,016.27	5,673.96	5,593.22	80.74	70.275					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	135.57	-1,005.83	986.18	1,409.09					
100.00	100.00	69.10	69.10	3.28	3.28	135.57	-1,005.77	986.06	1,408.52	1,401.95	6.57	214.448		
200.00	200.00	173.28	173.27	3.34	3.32	135.57	-1,005.48	985.54	1,407.97	1,401.31	6.66	211.416		
300.00	300.00	271.35	271.35	3.44	3.41	135.58	-1,005.13	985.02	1,407.33	1,400.48	6.86	205.156		
400.00	399.98	373.64	373.64	3.60	3.56	-17.94	-1,004.81	984.54	1,405.13	1,397.97	7.16	196.286		
500.00	499.84	476.01	476.00	3.79	3.76	-18.04	-1,004.30	983.90	1,399.36	1,391.81	7.54	185.487		
600.00	599.45	575.58	575.56	4.02	3.98	-18.21	-1,003.72	983.23	1,390.19	1,382.18	8.00	173.696		
700.00	698.70	676.20	676.19	4.29	4.24	-18.44	-1,003.17	982.49	1,377.71	1,369.18	8.53	161.458		
800.00	797.47	777.03	777.01	4.59	4.53	-18.75	-1,002.62	981.53	1,361.82	1,352.70	9.12	149.322		
900.00	895.62	874.33	874.30	4.93	4.82	-19.12	-1,002.07	980.51	1,342.61	1,332.87	9.74	137.787		
1,000.00	993.06	972.51	972.47	5.31	5.14	-19.58	-1,001.54	979.50	1,320.25	1,309.83	10.41	126.807		
1,100.00	1,089.64	1,068.47	1,068.43	5.72	5.47	-20.12	-1,001.07	978.38	1,294.66	1,283.56	11.11	116.567		
1,200.00	1,185.27	1,162.62	1,162.57	6.16	5.79	-20.76	-1,000.61	977.39	1,266.06	1,254.24	11.83	107.054		
1,300.00	1,279.82	1,258.29	1,258.23	6.64	6.14	-21.54	-1,000.02	976.54	1,234.47	1,221.89	12.58	98.140		
1,400.00	1,373.17	1,352.01	1,351.95	7.16	6.48	-22.44	-999.33	975.59	1,199.76	1,186.41	13.35	89.871		
1,500.00	1,465.21	1,442.86	1,442.79	7.71	6.82	-23.47	-998.77	974.64	1,162.23	1,148.09	14.14	82.221		
1,600.00	1,555.84	1,532.09	1,532.02	8.31	7.16	-24.66	-998.15	973.83	1,121.99	1,107.05	14.94	75.104		
1,613.50	1,567.96	1,543.94	1,543.86	8.39	7.20	-24.84	-998.07	973.73	1,116.36	1,101.31	15.05	74.157		
1,700.00	1,645.53	1,620.14	1,620.06	8.93	7.50	-25.66	-997.57	973.15	1,080.29	1,064.53	15.76	68.554		
1,800.00	1,735.20	1,709.66	1,709.57	9.58	7.84	-26.69	-997.20	972.32	1,038.88	1,022.28	16.60	62.597		
1,900.00	1,824.87	1,800.56	1,800.47	10.25	8.20	-27.81	-996.81	971.37	997.69	980.23	17.46	57.145		
2,000.00	1,914.54	1,882.80	1,882.71	10.92	8.52	-28.91	-996.51	970.77	957.10	938.78	18.32	52.229		
2,100.00	2,004.21	1,969.43	1,969.34	11.61	8.87	-30.15	-996.55	970.49	917.42	898.19	19.22	47.727		
2,200.00	2,093.89	2,057.77	2,057.67	12.30	9.22	-31.51	-996.99	970.13	878.35	858.21	20.14	43.606		
2,300.00	2,183.56	2,146.45	2,146.35	13.01	9.57	-32.97	-997.62	969.80	839.90	818.82	21.09	39.831		
2,400.00	2,273.23	2,236.31	2,236.21	13.71	9.93	-34.59	-998.22	969.61	802.11	780.06	22.06	36.368		
2,500.00	2,362.90	2,327.41	2,327.31	14.43	10.30	-36.37	-998.93	969.20	764.83	741.78	23.05	33.180		
2,600.00	2,452.57	2,417.02	2,416.91	15.14	10.66	-38.29	-999.65	968.73	728.23	704.16	24.07	30.251		
2,700.00	2,542.25	2,505.48	2,505.37	15.87	11.02	-40.37	-1,000.36	968.41	692.60	667.47	25.13	27.564		
2,800.00	2,631.92	2,595.59	2,595.47	16.59	11.39	-42.69	-1,001.07	968.18	658.03	631.82	26.21	25.101		
2,900.00	2,721.59	2,685.10	2,684.98	17.32	11.76	-45.23	-1,001.83	967.94	624.63	597.29	27.34	22.846		
3,000.00	2,811.26	2,774.84	2,774.71	18.05	12.12	-48.02	-1,002.61	967.75	592.61	564.10	28.51	20.788		
3,100.00	2,900.93	2,864.03	2,863.91	18.78	12.49	-51.09	-1,003.26	967.66	562.24	532.52	29.72	18.919		
3,200.00	2,990.60	2,953.86	2,953.73	19.51	12.86	-54.46	-1,004.07	967.65	533.82	502.84	30.97	17.236		
3,300.00	3,080.28	3,044.44	3,044.31	20.25	13.24	-58.19	-1,004.84	967.60	507.50	475.24	32.27	15.728		
3,400.00	3,169.95	3,135.09	3,134.96	20.99	13.61	-62.25	-1,005.63	967.41	483.55	449.95	33.60	14.392		
3,500.00	3,259.62	3,225.05	3,224.92	21.73	13.99	-66.63	-1,006.21	967.16	462.44	427.48	34.96	13.229		
3,600.00	3,349.29	3,314.72	3,314.58	22.47	14.36	-71.32	-1,006.81	966.94	444.68	408.36	36.32	12.243		
3,700.00	3,438.96	3,404.66	3,404.51	23.21	14.73	-76.27	-1,007.74	966.79	430.68	393.02	37.66	11.435		
3,800.00	3,528.64	3,494.65	3,494.48	23.95	15.11	-81.34	-1,009.51	966.89	420.73	381.77	38.95	10.801		
3,900.00	3,618.31	3,584.75	3,584.55	24.69	15.49	-86.47	-1,012.12	967.36	414.95	374.78	40.17	10.331		
3,987.12	3,696.42	3,663.82	3,663.58	25.34	15.82	-90.99	-1,014.68	967.99	413.37	372.22	41.15	10.045 CC		
4,000.00	3,707.98	3,675.53	3,675.28	25.44	15.87	-91.66	-1,015.06	968.09	413.40	372.11	41.29	10.012 ES		
4,100.00	3,797.65	3,766.50	3,766.19	26.18	16.25	-96.85	-1,017.98	968.84	416.01	373.70	42.31	9.833		
4,200.00	3,887.32	3,857.33	3,856.98	26.93	16.63	-101.96	-1,020.75	969.52	422.70	379.48	43.21	9.782 SF		
4,300.00	3,976.99	3,948.39	3,948.01	27.68	17.01	-106.94	-1,023.29	970.02	433.32	389.30	44.02	9.844		
4,400.00	4,066.67	4,039.11	4,038.69	28.42	17.40	-111.69	-1,025.79	970.39	447.54	402.81	44.74	10.004		
4,500.00	4,156.34	4,129.03	4,128.58	29.17	17.77	-116.13	-1,028.10	970.78	465.27	419.89	45.38	10.252		
4,600.00	4,246.01	4,219.22	4,218.74	29.92	18.15	-120.31	-1,030.22	971.06	486.11	440.12	45.98	10.571		
4,700.00	4,335.68	4,308.89	4,308.39	30.67	18.53	-124.15	-1,032.17	971.36	509.74	463.18	46.56	10.948		
4,800.00	4,425.35	4,398.74	4,398.22	31.42	18.91	-127.71	-1,033.94	971.59	535.83	488.71	47.13	11.370		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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		
4,900.00	4,515.03	4,489.28	4,488.74	32.17	19.29	-131.01	-1,035.59	971.57	563.99	516.29	47.70	11.823		
5,000.00	4,604.70	4,580.36	4,579.81	32.92	19.68	-134.07	-1,037.23	971.34	593.85	545.55	48.30	12.295		
5,100.00	4,694.37	4,669.94	4,669.38	33.67	20.05	-136.80	-1,038.87	971.09	625.20	576.30	48.90	12.786		
5,200.00	4,784.04	4,758.35	4,757.77	34.42	20.43	-139.26	-1,040.33	970.97	658.04	608.55	49.50	13.294		
5,300.00	4,873.71	4,846.72	4,846.13	35.17	20.80	-141.48	-1,041.55	971.11	692.28	642.16	50.12	13.812		
5,400.00	4,963.38	4,934.88	4,934.29	35.92	21.17	-143.49	-1,042.60	971.55	727.67	676.90	50.77	14.333		
5,500.00	5,053.06	5,023.11	5,022.52	36.67	21.54	-145.33	-1,043.32	971.85	764.18	712.74	51.43	14.857		
5,600.00	5,142.73	5,113.90	5,113.31	37.43	21.93	-147.09	-1,044.06	971.83	801.35	749.20	52.15	15.365		
5,700.00	5,232.40	5,200.15	5,199.55	38.18	22.29	-148.63	-1,044.57	971.77	839.35	786.53	52.82	15.890		
5,800.00	5,322.07	5,288.59	5,287.99	38.93	22.67	-150.07	-1,044.83	971.73	878.16	824.61	53.54	16.401		
5,900.00	5,411.74	5,378.87	5,378.27	39.68	23.05	-151.44	-1,045.04	971.48	917.49	863.19	54.30	16.896		
6,000.00	5,501.42	5,465.01	5,464.41	40.44	23.41	-152.67	-1,045.18	970.94	957.33	902.32	55.01	17.402		
6,100.00	5,591.09	5,550.49	5,549.89	41.19	23.78	-153.81	-1,044.92	970.18	997.98	942.26	55.72	17.910		
6,200.00	5,680.76	5,636.51	5,635.90	41.94	24.14	-154.87	-1,044.37	969.44	1,039.27	982.82	56.45	18.410		
6,300.00	5,770.43	5,723.45	5,722.83	42.70	24.51	-155.87	-1,043.56	968.63	1,081.13	1,023.93	57.20	18.900		
6,400.00	5,860.10	5,813.41	5,812.78	43.45	24.89	-156.82	-1,042.69	967.94	1,123.28	1,065.26	58.01	19.362		
6,500.00	5,949.77	5,901.92	5,901.29	44.20	25.26	-157.68	-1,041.82	967.38	1,165.67	1,106.85	58.81	19.820		
6,600.00	6,039.45	5,992.92	5,992.29	44.96	25.65	-158.51	-1,040.97	966.81	1,208.22	1,148.56	59.66	20.253		
6,700.00	6,129.12	6,070.38	6,069.74	45.71	25.98	-159.17	-1,039.99	966.30	1,251.28	1,190.97	60.30	20.750		
6,800.00	6,218.79	6,152.45	6,151.78	46.46	26.32	-159.82	-1,038.21	965.74	1,295.28	1,234.25	61.03	21.225		
6,900.00	6,308.46	6,234.85	6,234.15	47.22	26.67	-160.44	-1,036.20	965.02	1,339.71	1,277.95	61.76	21.692		
6,969.86	6,371.11	6,289.14	6,288.42	47.75	26.90	-160.83	-1,034.55	964.55	1,371.20	1,308.97	62.23	22.036		
7,000.00	6,398.25	6,314.89	6,314.16	47.97	27.01	-167.56	-1,033.68	964.35	1,384.82	1,322.36	62.46	22.170		
7,050.00	6,443.70	6,361.43	6,360.66	48.31	27.21	-179.36	-1,032.10	964.17	1,407.07	1,344.15	62.92	22.363		
7,100.00	6,489.42	6,410.10	6,409.31	48.61	27.42	168.50	-1,030.48	964.24	1,428.69	1,365.28	63.41	22.531		
7,150.00	6,535.12	6,467.35	6,466.54	48.87	27.66	156.74	-1,028.88	964.53	1,449.38	1,385.35	64.03	22.635		
7,200.00	6,580.53	6,525.58	6,524.75	49.09	27.90	146.00	-1,027.74	964.95	1,468.94	1,404.26	64.68	22.712		
7,250.00	6,625.36	6,584.77	6,583.94	49.27	28.15	136.67	-1,027.15	965.44	1,487.27	1,421.93	65.34	22.763		
7,300.00	6,669.35	6,637.45	6,636.61	49.42	28.38	128.77	-1,027.08	965.84	1,504.43	1,438.51	65.92	22.821		
7,350.00	6,712.21	6,687.13	6,686.30	49.55	28.59	122.25	-1,027.28	966.02	1,520.60	1,454.11	66.49	22.869		
7,400.00	6,753.69	6,731.13	6,730.29	49.65	28.77	116.87	-1,027.62	966.04	1,535.88	1,468.86	67.02	22.918		
7,450.00	6,793.52	6,771.95	6,771.11	49.73	28.95	112.47	-1,027.97	966.00	1,550.42	1,482.88	67.54	22.956		
7,500.00	6,831.47	6,811.70	6,810.86	49.81	29.12	108.89	-1,028.34	965.92	1,564.30	1,496.20	68.09	22.972		
7,550.00	6,867.30	6,851.27	6,850.43	49.88	29.28	106.03	-1,028.78	965.80	1,577.55	1,508.85	68.70	22.961		
7,600.00	6,900.78	6,888.42	6,887.58	49.95	29.44	103.69	-1,029.28	965.63	1,590.26	1,520.92	69.35	22.932		
7,650.00	6,931.72	6,920.45	6,919.61	50.03	29.58	101.69	-1,029.76	965.46	1,602.55	1,532.55	69.99	22.896		
7,700.00	6,959.92	6,948.58	6,947.72	50.11	29.70	99.96	-1,030.18	965.31	1,614.54	1,543.87	70.67	22.848		
7,750.00	6,985.20	6,973.83	6,972.98	50.20	29.80	98.47	-1,030.54	965.16	1,626.33	1,554.95	71.38	22.784		
7,800.00	7,007.41	6,996.08	6,995.22	50.30	29.90	97.16	-1,030.86	965.03	1,637.99	1,565.85	72.14	22.706		
7,850.00	7,026.42	7,015.60	7,014.74	50.42	29.98	95.98	-1,031.14	964.91	1,649.58	1,576.63	72.94	22.614		
7,900.00	7,042.11	7,031.83	7,030.97	50.57	30.05	94.89	-1,031.37	964.82	1,661.13	1,587.35	73.78	22.514		
7,950.00	7,054.37	7,044.57	7,043.70	50.73	30.11	93.84	-1,031.55	964.75	1,672.67	1,598.03	74.65	22.407		
8,000.00	7,063.14	7,053.74	7,052.88	50.92	30.14	92.83	-1,031.69	964.70	1,684.22	1,608.69	75.53	22.298		
8,050.00	7,068.36	7,059.30	7,058.43	51.13	30.17	91.84	-1,031.77	964.67	1,695.76	1,619.34	76.42	22.189		
8,094.17	7,070.00	7,061.18	7,060.31	51.34	30.18	90.98	-1,031.80	964.66	1,705.92	1,628.71	77.21	22.096		
8,100.00	7,070.03	7,061.24	7,060.37	51.37	30.18	90.98	-1,031.80	964.66	1,707.27	1,629.96	77.31	22.084		
8,200.00	7,070.55	7,062.27	7,061.41	51.94	30.18	91.02	-1,031.81	964.66	1,733.25	1,654.16	79.10	21.913		
8,300.00	7,071.07	7,063.31	7,062.44	52.64	30.19	91.05	-1,031.83	964.65	1,764.53	1,683.65	80.88	21.817		
8,400.00	7,071.60	7,064.33	7,063.47	53.49	30.19	91.09	-1,031.84	964.65	1,800.82	1,718.20	82.62	21.797		
8,500.00	7,072.12	7,065.36	7,064.49	54.50	30.19	91.12	-1,031.86	964.64	1,841.83	1,757.54	84.29	21.851		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	7,066.38	7,065.51	55.69	30.20	91.16	-1,031.87	964.64	1,887.26	1,801.38	85.88	21.976		
8,700.00	7,073.17	7,067.40	7,066.53	57.04	30.20	91.19	-1,031.89	964.63	1,936.78	1,849.42	87.36	22.169		
8,800.00	7,073.69	7,068.41	7,067.54	58.55	30.21	91.23	-1,031.90	964.63	1,990.10	1,901.36	88.74	22.425		
8,900.00	7,074.21	7,069.42	7,068.55	60.21	30.21	91.26	-1,031.92	964.62	2,046.92	1,956.91	90.02	22.740		
9,000.00	7,074.74	7,070.43	7,069.56	61.99	30.22	91.30	-1,031.93	964.62	2,106.96	2,015.78	91.18	23.107		
9,100.00	7,075.26	7,071.43	7,070.57	63.88	30.22	91.33	-1,031.95	964.61	2,169.95	2,077.70	92.25	23.523		
9,200.00	7,075.78	7,072.44	7,071.57	65.87	30.22	91.37	-1,031.96	964.61	2,235.63	2,142.41	93.22	23.983		
9,300.00	7,076.30	7,073.43	7,072.57	67.95	30.23	91.40	-1,031.98	964.60	2,303.78	2,209.69	94.10	24.483		
9,400.00	7,076.83	7,074.43	7,073.56	70.09	30.23	91.44	-1,031.99	964.60	2,374.19	2,279.30	94.90	25.019		
9,500.00	7,077.35	7,075.42	7,074.55	72.30	30.24	91.47	-1,032.01	964.59	2,446.67	2,351.05	95.62	25.588		
9,600.00	7,077.87	7,076.41	7,075.54	74.57	30.24	91.50	-1,032.02	964.59	2,521.02	2,424.75	96.27	26.187		
9,700.00	7,078.40	7,077.40	7,076.53	76.88	30.25	91.54	-1,032.04	964.58	2,597.10	2,500.24	96.86	26.813		
9,800.00	7,078.92	7,078.38	7,077.51	79.24	30.25	91.57	-1,032.05	964.58	2,674.75	2,577.36	97.39	27.464		
9,900.00	7,079.44	7,079.36	7,078.49	81.63	30.25	91.61	-1,032.06	964.57	2,753.84	2,655.97	97.87	28.137		
10,000.00	7,079.97	7,080.34	7,079.47	84.06	30.26	91.64	-1,032.08	964.57	2,834.26	2,735.95	98.31	28.830		
10,100.00	7,080.49	7,081.31	7,080.44	86.52	30.26	91.67	-1,032.09	964.57	2,915.88	2,817.18	98.70	29.541		
10,200.00	7,081.01	7,082.28	7,081.41	89.01	30.27	91.71	-1,032.11	964.56	2,998.62	2,899.56	99.06	30.270		
10,300.00	7,081.54	7,083.25	7,082.38	91.52	30.27	91.74	-1,032.12	964.56	3,082.38	2,983.00	99.39	31.014		
10,400.00	7,082.06	7,084.21	7,083.34	94.05	30.27	91.77	-1,032.14	964.55	3,167.09	3,067.40	99.68	31.772		
10,500.00	7,082.58	7,085.17	7,084.30	96.61	30.28	91.81	-1,032.15	964.55	3,252.66	3,152.71	99.95	32.542		
10,600.00	7,083.10	7,086.13	7,085.26	99.18	30.28	91.84	-1,032.16	964.54	3,339.03	3,238.84	100.20	33.325		
10,700.00	7,083.63	7,087.09	7,086.22	101.77	30.29	91.87	-1,032.18	964.54	3,426.15	3,325.73	100.42	34.118		
10,800.00	7,084.15	7,088.04	7,087.17	104.38	30.29	91.91	-1,032.19	964.53	3,513.95	3,413.33	100.62	34.921		
10,900.00	7,084.67	7,088.99	7,088.12	107.00	30.29	91.94	-1,032.21	964.53	3,602.39	3,501.58	100.81	35.734		
11,000.00	7,085.20	7,089.94	7,089.07	109.63	30.30	91.97	-1,032.22	964.52	3,691.41	3,590.43	100.98	36.555		
11,100.00	7,085.72	7,090.88	7,090.01	112.27	30.30	92.00	-1,032.24	964.52	3,780.99	3,679.85	101.14	37.383		
11,200.00	7,086.24	7,091.82	7,090.95	114.93	30.31	92.04	-1,032.25	964.52	3,871.08	3,769.79	101.29	38.219		
11,300.00	7,086.77	7,092.76	7,091.89	117.59	30.31	92.07	-1,032.26	964.51	3,961.64	3,860.22	101.42	39.062		
11,400.00	7,087.29	7,093.70	7,092.83	120.27	30.31	92.10	-1,032.28	964.51	4,052.64	3,951.10	101.54	39.910		
11,500.00	7,087.81	7,094.63	7,093.76	122.95	30.32	92.13	-1,032.29	964.50	4,144.06	4,042.40	101.66	40.765		
11,600.00	7,088.33	7,095.56	7,094.69	125.64	30.32	92.16	-1,032.31	964.50	4,235.87	4,134.10	101.77	41.624		
11,700.00	7,088.86	7,096.48	7,095.61	128.34	30.33	92.20	-1,032.32	964.49	4,328.04	4,226.17	101.86	42.488		
11,800.00	7,089.38	7,097.41	7,096.54	131.05	30.33	92.23	-1,032.33	964.49	4,420.55	4,318.59	101.96	43.357		
11,900.00	7,089.90	7,098.33	7,097.46	133.76	30.33	92.26	-1,032.35	964.49	4,513.38	4,411.33	102.04	44.230		
12,000.00	7,090.43	7,099.25	7,098.38	136.49	30.34	92.29	-1,032.36	964.48	4,606.50	4,504.38	102.12	45.107		
12,100.00	7,090.95	7,100.17	7,099.30	139.21	30.34	92.32	-1,032.37	964.48	4,699.92	4,597.72	102.20	45.987		
12,200.00	7,091.47	7,101.14	7,100.27	141.94	30.35	92.36	-1,032.39	964.47	4,793.59	4,691.32	102.27	46.871		
12,300.00	7,092.00	7,102.10	7,101.23	144.68	30.35	92.39	-1,032.40	964.47	4,887.52	4,785.18	102.34	47.758		
12,400.00	7,092.52	7,103.07	7,102.20	147.42	30.35	92.42	-1,032.42	964.47	4,981.68	4,879.28	102.40	48.647		
12,500.00	7,093.04	7,104.04	7,103.17	150.17	30.36	92.46	-1,032.43	964.46	5,076.07	4,973.61	102.47	49.539		
12,600.00	7,093.57	7,105.00	7,104.13	152.92	30.36	92.49	-1,032.45	964.46	5,170.67	5,068.14	102.52	50.434		
12,700.00	7,094.09	7,105.97	7,105.10	155.67	30.37	92.52	-1,032.46	964.45	5,265.46	5,162.89	102.58	51.331		
12,800.00	7,094.61	7,106.94	7,106.06	158.43	30.37	92.56	-1,032.48	964.45	5,360.45	5,257.82	102.63	52.230		
12,900.00	7,095.13	7,107.90	7,107.03	161.19	30.37	92.59	-1,032.49	964.44	5,455.62	5,352.93	102.68	53.131		
13,000.00	7,095.66	7,108.87	7,108.00	163.96	30.38	92.62	-1,032.50	964.44	5,550.95	5,448.22	102.73	54.034		
13,100.00	7,096.18	7,109.83	7,108.96	166.73	30.38	92.66	-1,032.52	964.44	5,646.45	5,543.67	102.78	54.938		
13,200.00	7,096.70	7,110.80	7,109.93	169.50	30.39	92.69	-1,032.53	964.43	5,742.10	5,639.27	102.82	55.844		
13,256.62	7,097.00	7,111.35	7,110.48	171.07	30.39	92.71	-1,032.54	964.43	5,796.31	5,693.46	102.85	56.357		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	71.28	317.69	937.74	990.78					
100.00	100.00	65.02	65.02	3.28	3.28	71.28	317.75	937.65	990.03	983.46	6.57	150.742		
200.00	200.00	167.56	167.55	3.34	3.32	71.26	318.02	937.19	989.68	983.03	6.66	148.696		
300.00	300.00	266.91	266.91	3.44	3.41	71.23	318.22	936.62	989.21	982.36	6.85	144.319		
400.00	399.98	363.06	363.06	3.60	3.54	-82.37	318.30	936.36	988.75	981.61	7.14	138.498		
500.00	499.84	457.27	457.27	3.79	3.71	-82.66	318.33	936.60	988.32	980.82	7.50	131.791		
578.91	578.47	529.75	529.74	3.97	3.87	-82.99	318.19	937.29	988.16	980.33	7.83	126.128 CC		
600.00	599.45	548.62	548.61	4.02	3.91	-83.09	318.14	937.57	988.18	980.25	7.93	124.614		
700.00	698.70	640.56	640.53	4.29	4.14	-83.67	317.81	939.51	988.62	980.19	8.43	117.279 ES		
800.00	797.47	736.60	736.53	4.59	4.41	-84.45	317.34	942.06	989.32	980.32	9.00	109.915		
900.00	895.62	833.42	833.31	4.93	4.71	-85.40	316.66	944.91	990.13	980.50	9.63	102.811		
1,000.00	993.06	931.56	931.40	5.31	5.02	-86.55	315.95	947.98	991.18	980.86	10.32	96.075		
1,100.00	1,089.64	1,031.65	1,031.44	5.72	5.36	-87.91	314.93	950.87	992.19	981.13	11.06	89.720		
1,200.00	1,185.27	1,125.68	1,125.42	6.16	5.68	-89.34	313.87	953.69	993.78	981.96	11.83	84.023		
1,300.00	1,279.82	1,220.22	1,219.91	6.64	6.02	-90.95	313.01	956.63	996.36	983.71	12.64	78.811		
1,400.00	1,373.17	1,317.98	1,317.63	7.16	6.38	-92.77	312.03	959.45	999.79	986.28	13.51	73.988		
1,500.00	1,465.21	1,409.92	1,409.54	7.71	6.72	-94.63	311.33	961.85	1,004.54	990.14	14.40	69.739		
1,600.00	1,555.84	1,500.25	1,499.83	8.31	7.06	-96.57	310.82	964.20	1,011.16	995.83	15.33	65.956		
1,613.50	1,567.96	1,512.94	1,512.52	8.39	7.11	-96.86	310.75	964.54	1,012.21	996.75	15.46	65.472		
1,700.00	1,645.53	1,594.05	1,593.60	8.93	7.42	-98.79	310.31	966.49	1,019.59	1,003.28	16.30	62.545		
1,800.00	1,735.20	1,695.32	1,694.86	9.58	7.81	-101.20	309.75	968.10	1,029.13	1,011.81	17.32	59.425		
1,900.00	1,824.87	1,791.56	1,791.10	10.25	8.18	-103.47	309.05	968.68	1,039.61	1,021.29	18.32	56.740		
2,000.00	1,914.54	1,883.45	1,882.98	10.92	8.54	-105.61	308.21	968.91	1,051.44	1,032.13	19.31	54.444		
2,100.00	2,004.21	1,970.27	1,969.80	11.61	8.88	-107.59	307.49	969.11	1,064.95	1,044.67	20.28	52.511		
2,200.00	2,093.89	2,062.73	2,062.26	12.30	9.25	-109.66	306.97	969.32	1,080.22	1,058.95	21.27	50.783		
2,300.00	2,183.56	2,153.61	2,153.13	13.01	9.61	-111.65	306.23	969.28	1,096.70	1,074.44	22.25	49.287		
2,400.00	2,273.23	2,241.81	2,241.33	13.71	9.96	-113.53	305.62	969.31	1,114.77	1,091.56	23.21	48.025		
2,500.00	2,362.90	2,329.11	2,328.63	14.43	10.31	-115.33	305.10	969.43	1,134.35	1,110.19	24.16	46.948		
2,600.00	2,452.57	2,413.62	2,413.14	15.14	10.66	-117.04	304.96	969.65	1,155.65	1,130.56	25.09	46.064		
2,700.00	2,542.25	2,502.19	2,501.70	15.87	11.02	-118.78	305.04	969.95	1,178.43	1,152.41	26.03	45.277		
2,800.00	2,631.92	2,593.99	2,593.50	16.59	11.39	-120.52	305.12	970.19	1,202.37	1,175.40	26.98	44.571		
2,900.00	2,721.59	2,688.17	2,687.69	17.32	11.77	-122.25	305.04	970.20	1,227.21	1,199.27	27.93	43.934		
3,000.00	2,811.26	2,780.44	2,779.95	18.05	12.15	-123.89	304.80	969.93	1,252.84	1,223.97	28.87	43.394		
3,100.00	2,900.93	2,878.52	2,878.04	18.78	12.56	-125.58	304.26	969.41	1,279.16	1,249.32	29.84	42.870		
3,200.00	2,990.60	2,974.99	2,974.49	19.51	12.95	-127.16	303.05	968.86	1,305.83	1,275.04	30.79	42.410		
3,300.00	3,080.28	3,057.32	3,056.81	20.25	13.29	-128.46	301.94	968.40	1,333.33	1,301.68	31.65	42.124		
3,400.00	3,169.95	3,142.00	3,141.49	20.99	13.65	-129.75	301.45	968.13	1,362.36	1,329.84	32.52	41.892		
3,500.00	3,259.62	3,232.59	3,232.08	21.73	14.02	-131.08	300.80	967.99	1,392.11	1,358.69	33.42	41.652		
3,600.00	3,349.29	3,318.29	3,317.77	22.47	14.38	-132.28	300.27	968.19	1,422.78	1,388.49	34.29	41.495		
3,700.00	3,438.96	3,408.38	3,405.86	23.21	14.75	-133.44	299.73	968.93	1,454.28	1,419.12	35.17	41.354		
3,800.00	3,528.64	3,489.09	3,488.56	23.95	15.09	-134.47	299.33	970.29	1,486.68	1,450.67	36.01	41.290		
3,900.00	3,618.31	3,602.12	3,601.56	24.69	15.56	-135.79	298.11	972.75	1,519.26	1,482.20	37.06	40.991		
4,000.00	3,707.98	3,695.23	3,694.64	25.44	15.95	-136.85	296.42	974.03	1,551.47	1,513.50	37.97	40.856		
4,100.00	3,797.65	3,774.41	3,773.81	26.18	16.29	-137.74	295.32	974.53	1,584.39	1,545.61	38.78	40.856		
4,200.00	3,887.32	3,856.47	3,855.86	26.93	16.63	-138.64	294.76	975.02	1,618.37	1,578.77	39.60	40.867		
4,300.00	3,976.99	3,940.04	3,939.43	27.68	16.98	-139.54	294.61	975.11	1,653.18	1,612.75	40.43	40.893		
4,400.00	4,066.67	4,027.92	4,027.32	28.42	17.35	-140.45	294.72	975.41	1,688.71	1,647.43	41.28	40.904		
4,500.00	4,156.34	4,125.08	4,124.47	29.17	17.76	-141.42	294.58	975.51	1,724.38	1,682.17	42.21	40.850		
4,600.00	4,246.01	4,218.60	4,218.00	29.92	18.15	-142.32	294.26	975.33	1,760.22	1,717.11	43.11	40.828		
4,700.00	4,335.68	4,318.25	4,317.64	30.67	18.57	-143.26	293.52	974.80	1,796.02	1,751.96	44.06	40.764		
4,800.00	4,425.35	4,417.52	4,416.90	31.42	18.99	-144.15	292.39	974.17	1,831.82	1,786.82	45.00	40.706		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,515.03	4,551.96	4,551.29	32.17	19.55	-145.32	288.89	972.82	1,866.62	1,820.41	46.21	40.398		
5,000.00	4,604.70	4,684.53	4,683.67	32.92	20.12	-146.43	282.33	970.71	1,899.52	1,852.14	47.38	40.092		
5,100.00	4,694.37	4,780.62	4,779.57	33.67	20.53	-147.19	276.35	969.37	1,931.60	1,883.30	48.30	39.993		
5,200.00	4,784.04	4,867.48	4,866.26	34.42	20.90	-147.84	270.98	968.70	1,964.05	1,914.89	49.16	39.955		
5,300.00	4,873.71	4,950.26	4,948.89	35.17	21.25	-148.44	266.14	968.18	1,997.07	1,947.09	49.98	39.954		
5,400.00	4,963.38	5,026.60	5,025.12	35.92	21.57	-148.99	262.11	967.44	2,030.86	1,980.10	50.76	40.008		
5,500.00	5,053.06	5,100.00	5,098.46	36.67	21.88	-149.50	258.99	966.75	2,065.80	2,014.29	51.51	40.104		
5,600.00	5,142.73	5,169.94	5,168.35	37.43	22.18	-149.98	256.68	966.09	2,101.81	2,049.58	52.23	40.244		
5,700.00	5,232.40	5,240.04	5,238.43	38.18	22.48	-150.45	254.90	965.31	2,138.78	2,085.85	52.94	40.403		
5,800.00	5,322.07	5,308.04	5,306.41	38.93	22.76	-150.90	253.92	964.45	2,176.93	2,123.31	53.62	40.598		
5,900.00	5,411.74	5,389.05	5,387.42	39.68	23.11	-151.42	253.29	963.23	2,215.88	2,161.47	54.41	40.724		
6,000.00	5,501.42	5,458.59	5,456.94	40.44	23.40	-151.86	253.16	962.00	2,255.58	2,200.48	55.10	40.937		
6,100.00	5,591.09	5,527.14	5,525.48	41.19	23.69	-152.29	253.69	960.60	2,296.31	2,240.54	55.77	41.174		
6,200.00	5,680.76	5,597.38	5,595.69	41.94	23.98	-152.72	254.80	959.09	2,337.96	2,281.50	56.45	41.414		
6,300.00	5,770.43	5,719.69	5,717.97	42.70	24.49	-153.44	256.46	956.76	2,379.59	2,321.97	57.62	41.299		
6,400.00	5,860.10	5,846.60	5,844.85	43.45	25.03	-154.14	255.97	954.61	2,419.74	2,360.92	58.82	41.139		
6,500.00	5,949.77	5,944.90	5,943.14	44.20	25.45	-154.65	254.84	953.66	2,459.38	2,399.61	59.77	41.149		
6,600.00	6,039.45	6,033.35	6,031.58	44.96	25.82	-155.09	253.66	952.84	2,498.99	2,438.36	60.63	41.216		
6,700.00	6,129.12	6,114.26	6,112.49	45.71	26.17	-155.47	252.85	952.24	2,539.01	2,477.58	61.43	41.333		
6,800.00	6,218.79	6,204.21	6,202.43	46.46	26.55	-155.89	252.08	951.62	2,579.29	2,516.98	62.31	41.397		
6,900.00	6,308.46	6,299.01	6,297.22	47.22	26.95	-156.32	251.17	950.84	2,619.59	2,556.37	63.23	41.431		
6,969.86	6,371.11	6,359.14	6,357.35	47.75	27.20	-156.59	250.56	950.31	2,647.79	2,583.97	63.82	41.490		
7,000.00	6,398.25	6,385.15	6,383.36	47.97	27.31	-163.10	250.31	950.10	2,659.97	2,595.90	64.07	41.516		
7,050.00	6,443.70	6,431.27	6,429.47	48.31	27.51	-174.66	249.90	949.75	2,680.08	2,615.57	64.51	41.544		
7,100.00	6,489.42	6,479.05	6,477.25	48.61	27.71	173.29	249.44	949.43	2,699.90	2,634.93	64.96	41.562		
7,150.00	6,535.12	6,524.15	6,522.34	48.87	27.90	161.41	249.00	949.16	2,719.30	2,653.92	65.38	41.592		
7,200.00	6,580.53	6,566.84	6,565.04	49.09	28.09	150.34	248.62	948.93	2,738.24	2,672.47	65.78	41.628		
7,250.00	6,625.36	6,610.05	6,608.24	49.27	28.27	140.51	248.28	948.71	2,756.66	2,690.47	66.19	41.650		
7,300.00	6,669.35	6,656.38	6,654.57	49.42	28.47	132.09	247.90	948.43	2,774.42	2,707.78	66.63	41.638		
7,350.00	6,712.21	6,701.65	6,699.84	49.55	28.66	125.01	247.49	948.08	2,791.44	2,724.36	67.08	41.613		
7,400.00	6,753.69	6,741.11	6,739.30	49.65	28.83	119.07	247.14	947.70	2,807.74	2,740.24	67.50	41.597		
7,450.00	6,793.52	6,779.26	6,777.44	49.73	28.99	114.11	246.81	947.28	2,823.31	2,755.38	67.93	41.564		
7,500.00	6,831.47	6,816.98	6,815.16	49.81	29.15	109.99	246.52	946.80	2,838.14	2,769.76	68.38	41.503		
7,550.00	6,867.30	6,854.32	6,852.49	49.88	29.31	106.56	246.21	946.27	2,852.19	2,783.32	68.87	41.412		
7,600.00	6,900.78	6,889.37	6,887.54	49.95	29.46	103.68	245.92	945.74	2,865.48	2,796.09	69.39	41.298		
7,650.00	6,931.72	6,919.81	6,917.97	50.03	29.59	101.23	245.65	945.26	2,878.01	2,808.11	69.90	41.171		
7,700.00	6,959.92	6,946.63	6,944.78	50.11	29.70	99.13	245.44	944.87	2,889.84	2,819.39	70.44	41.023		
7,750.00	6,985.20	6,970.66	6,968.81	50.20	29.80	97.34	245.27	944.54	2,900.98	2,829.96	71.02	40.848		
7,800.00	7,007.41	6,991.77	6,989.92	50.30	29.89	95.81	245.13	944.28	2,911.44	2,839.81	71.63	40.646		
7,850.00	7,026.42	7,011.15	7,009.30	50.42	29.97	94.52	245.01	944.06	2,921.23	2,848.95	72.29	40.411		
7,900.00	7,042.11	7,028.07	7,026.22	50.57	30.05	93.42	244.90	943.89	2,930.36	2,857.37	72.99	40.149		
7,950.00	7,054.37	7,041.34	7,039.49	50.73	30.10	92.48	244.81	943.76	2,938.83	2,865.11	73.72	39.867		
8,000.00	7,063.14	7,050.91	7,049.06	50.92	30.14	91.68	244.75	943.68	2,946.64	2,872.17	74.47	39.569		
8,050.00	7,068.36	7,056.76	7,054.90	51.13	30.17	91.00	244.70	943.63	2,953.78	2,878.54	75.24	39.258		
8,094.17	7,070.00	7,058.81	7,056.96	51.34	30.18	90.50	244.69	943.61	2,959.53	2,883.60	75.93	38.977		
8,100.00	7,070.03	7,058.89	7,057.04	51.37	30.18	90.51	244.69	943.61	2,960.25	2,884.23	76.02	38.940		
8,200.00	7,070.55	7,060.25	7,058.39	51.94	30.18	90.53	244.68	943.60	2,974.48	2,896.82	77.66	38.303		
8,300.00	7,071.07	7,061.59	7,059.73	52.64	30.19	90.56	244.67	943.59	2,991.99	2,912.60	79.39	37.689		
8,400.00	7,071.60	7,062.91	7,061.05	53.49	30.19	90.58	244.66	943.58	3,012.71	2,931.53	81.18	37.110		
8,500.00	7,072.12	7,064.22	7,062.36	54.50	30.20	90.61	244.65	943.57	3,036.59	2,953.56	83.03	36.573		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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		
8,600.00	7,072.64	7,065.51	7,063.65	55.69	30.20	90.64	244.64	943.56	3,063.54	2,978.64	84.90	36.086		
8,700.00	7,073.17	7,066.78	7,064.93	57.04	30.21	90.66	244.63	943.55	3,093.49	3,006.72	86.77	35.651		
8,800.00	7,073.69	7,068.05	7,066.19	58.55	30.22	90.69	244.62	943.54	3,126.36	3,037.72	88.64	35.271		
8,900.00	7,074.21	7,069.29	7,067.44	60.21	30.22	90.71	244.61	943.53	3,162.05	3,071.56	90.49	34.945		
9,000.00	7,074.74	7,070.53	7,068.67	61.99	30.23	90.73	244.61	943.52	3,200.46	3,108.16	92.30	34.674		
9,100.00	7,075.26	7,071.74	7,069.89	63.88	30.23	90.76	244.60	943.51	3,241.51	3,147.44	94.07	34.457		
9,200.00	7,075.78	7,072.95	7,071.09	65.87	30.24	90.78	244.59	943.50	3,285.09	3,189.29	95.80	34.291		
9,300.00	7,076.30	7,074.14	7,072.28	67.95	30.24	90.80	244.58	943.50	3,331.10	3,233.62	97.48	34.174		
9,400.00	7,076.83	7,075.32	7,073.46	70.09	30.25	90.83	244.57	943.49	3,379.44	3,280.35	99.09	34.104		
9,500.00	7,077.35	7,076.48	7,074.63	72.30	30.25	90.85	244.56	943.48	3,430.02	3,329.37	100.65	34.078 SF		
9,600.00	7,077.87	7,077.63	7,075.78	74.57	30.26	90.87	244.55	943.47	3,482.73	3,380.58	102.15	34.095		
9,700.00	7,078.40	7,078.77	7,076.92	76.88	30.26	90.89	244.54	943.46	3,537.49	3,433.90	103.58	34.151		
9,800.00	7,078.92	7,079.90	7,078.04	79.24	30.27	90.92	244.54	943.46	3,594.19	3,489.23	104.96	34.244		
9,900.00	7,079.44	7,081.01	7,079.16	81.63	30.27	90.94	244.53	943.45	3,652.75	3,546.48	106.27	34.373		
10,000.00	7,079.97	7,082.11	7,080.26	84.06	30.28	90.96	244.52	943.44	3,713.08	3,605.56	107.52	34.534		
10,100.00	7,080.49	7,083.20	7,081.35	86.52	30.28	90.98	244.51	943.43	3,775.10	3,666.38	108.71	34.725		
10,200.00	7,081.01	7,084.28	7,082.43	89.01	30.28	91.00	244.50	943.43	3,838.72	3,728.87	109.85	34.945		
10,300.00	7,081.54	7,085.35	7,083.49	91.52	30.29	91.02	244.49	943.42	3,903.86	3,792.93	110.93	35.192		
10,400.00	7,082.06	7,086.40	7,084.55	94.05	30.29	91.04	244.49	943.41	3,970.46	3,858.50	111.96	35.465		
10,500.00	7,082.58	7,087.45	7,085.59	96.61	30.30	91.06	244.48	943.41	4,038.43	3,925.50	112.93	35.761		
10,600.00	7,083.10	7,088.48	7,086.62	99.18	30.30	91.08	244.47	943.40	4,107.71	3,993.85	113.86	36.078		
10,700.00	7,083.63	7,089.50	7,087.65	101.77	30.31	91.10	244.46	943.39	4,178.23	4,063.50	114.73	36.417		
10,800.00	7,084.15	7,090.51	7,088.66	104.38	30.31	91.12	244.46	943.39	4,249.94	4,134.37	115.57	36.775		
10,900.00	7,084.67	7,091.51	7,089.66	107.00	30.32	91.14	244.45	943.38	4,322.77	4,206.42	116.36	37.151		
11,000.00	7,085.20	7,092.50	7,090.65	109.63	30.32	91.16	244.44	943.38	4,396.67	4,279.56	117.11	37.543		
11,100.00	7,085.72	7,093.49	7,091.63	112.27	30.32	91.18	244.43	943.37	4,471.59	4,353.77	117.82	37.952		
11,200.00	7,086.24	7,094.46	7,092.60	114.93	30.33	91.20	244.42	943.36	4,547.47	4,428.97	118.50	38.376		
11,300.00	7,086.77	7,095.42	7,093.56	117.59	30.33	91.22	244.42	943.36	4,624.26	4,505.13	119.14	38.814		
11,400.00	7,087.29	7,096.37	7,094.51	120.27	30.34	91.24	244.41	943.35	4,701.93	4,582.19	119.75	39.266		
11,500.00	7,087.81	7,097.31	7,095.45	122.95	30.34	91.26	244.40	943.35	4,780.43	4,660.11	120.32	39.729		
11,600.00	7,088.33	7,098.24	7,096.38	125.64	30.34	91.27	244.40	943.34	4,859.72	4,738.85	120.87	40.205		
11,700.00	7,088.86	7,099.16	7,097.31	128.34	30.35	91.29	244.39	943.34	4,939.76	4,818.37	121.39	40.692		
11,800.00	7,089.38	7,100.09	7,098.23	131.05	30.35	91.31	244.38	943.33	5,020.52	4,898.63	121.89	41.189		
11,900.00	7,089.90	7,101.17	7,099.31	133.76	30.36	91.33	244.37	943.33	5,101.95	4,979.59	122.36	41.695		
12,000.00	7,090.43	7,102.25	7,100.39	136.49	30.36	91.35	244.36	943.32	5,184.04	5,061.23	122.81	42.211		
12,100.00	7,090.95	7,103.33	7,101.47	139.21	30.37	91.37	244.36	943.31	5,266.75	5,143.51	123.24	42.736		
12,200.00	7,091.47	7,104.41	7,102.55	141.94	30.37	91.39	244.35	943.31	5,350.04	5,226.40	123.65	43.269		
12,300.00	7,092.00	7,105.49	7,103.63	144.68	30.37	91.42	244.34	943.30	5,433.90	5,309.87	124.03	43.810		
12,400.00	7,092.52	7,106.57	7,104.71	147.42	30.38	91.44	244.33	943.29	5,518.30	5,393.89	124.40	44.358		
12,500.00	7,093.04	7,107.65	7,105.79	150.17	30.38	91.46	244.32	943.29	5,603.21	5,478.45	124.76	44.913		
12,600.00	7,093.57	7,108.73	7,106.87	152.92	30.39	91.48	244.31	943.28	5,688.61	5,563.52	125.09	45.475		
12,700.00	7,094.09	7,109.81	7,107.95	155.67	30.39	91.50	244.30	943.28	5,774.48	5,649.06	125.41	46.043		
12,800.00	7,094.61	7,110.89	7,109.03	158.43	30.40	91.52	244.30	943.27	5,860.80	5,735.07	125.72	46.617		
12,900.00	7,095.13	7,111.97	7,110.11	161.19	30.40	91.54	244.29	943.26	5,947.54	5,821.53	126.01	47.197		
13,000.00	7,095.66	7,113.05	7,111.19	163.96	30.41	91.56	244.28	943.26	6,034.70	5,908.40	126.30	47.782		
13,100.00	7,096.18	7,114.13	7,112.27	166.73	30.41	91.58	244.27	943.25	6,122.25	5,995.68	126.56	48.373		
13,200.00	7,096.70	7,115.21	7,113.35	169.50	30.42	91.60	244.26	943.25	6,210.17	6,083.35	126.82	48.968		
13,256.62	7,097.00	7,115.82	7,113.97	171.07	30.42	91.62	244.26	943.24	6,260.11	6,133.15	126.96	49.307		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	98.95	-250.22	1,589.08	1,609.34					
100.00	100.00	58.42	58.42	3.28	3.28	98.95	-250.13	1,588.99	1,608.57	1,602.00	6.57	244.941		
200.00	200.00	154.92	154.92	3.34	3.31	98.93	-249.72	1,588.67	1,608.18	1,601.53	6.65	241.913		
216.26	216.26	169.26	169.26	3.35	3.32	98.93	-249.67	1,588.67	1,608.17	1,601.50	6.67	241.087		
300.00	300.00	251.03	251.03	3.44	3.39	98.93	-249.57	1,588.82	1,608.31	1,601.47	6.84	235.276		
400.00	399.98	353.57	353.57	3.60	3.53	-54.63	-249.63	1,588.83	1,607.31	1,600.19	7.12	225.647		
500.00	499.84	444.22	444.22	3.79	3.69	-54.82	-249.51	1,588.93	1,604.39	1,596.92	7.47	214.673		
600.00	599.45	527.24	527.23	4.02	3.86	-55.12	-248.91	1,589.94	1,600.46	1,592.58	7.88	203.045		
700.00	698.70	612.53	612.49	4.29	4.07	-55.54	-248.36	1,591.75	1,595.51	1,587.15	8.36	190.875		
800.00	797.47	696.51	696.44	4.59	4.30	-56.06	-247.89	1,594.30	1,589.59	1,580.70	8.89	178.835		
900.00	895.62	787.29	787.15	4.93	4.57	-56.73	-247.35	1,597.71	1,582.57	1,573.09	9.49	166.797		
1,000.00	993.06	883.84	883.62	5.31	4.88	-57.58	-246.70	1,601.62	1,574.15	1,564.00	10.15	155.032		
1,100.00	1,089.64	977.36	977.06	5.72	5.19	-58.54	-245.95	1,605.52	1,564.25	1,553.39	10.86	144.067		
1,200.00	1,185.27	1,064.74	1,064.35	6.16	5.50	-59.57	-245.44	1,609.45	1,553.27	1,541.69	11.59	134.066		
1,300.00	1,279.82	1,154.59	1,154.08	6.64	5.82	-60.73	-245.71	1,613.93	1,541.53	1,529.16	12.36	124.671		
1,400.00	1,373.17	1,243.31	1,242.69	7.16	6.15	-62.00	-245.89	1,618.57	1,528.89	1,515.71	13.18	115.967		
1,500.00	1,465.21	1,327.35	1,326.59	7.71	6.47	-63.35	-245.87	1,623.40	1,515.81	1,501.78	14.03	108.028		
1,600.00	1,555.84	1,408.63	1,407.69	8.31	6.79	-64.79	-245.45	1,628.58	1,502.64	1,487.72	14.92	100.740		
1,613.50	1,567.96	1,419.10	1,418.14	8.39	6.83	-64.99	-245.37	1,629.29	1,500.87	1,485.83	15.04	99.809		
1,700.00	1,645.53	1,486.30	1,485.17	8.93	7.10	-66.04	-244.99	1,634.14	1,490.28	1,474.46	15.83	94.164		
1,800.00	1,735.20	1,568.48	1,567.09	9.58	7.43	-67.35	-244.40	1,640.62	1,479.69	1,462.91	16.78	88.175		
1,900.00	1,824.87	1,654.83	1,653.13	10.25	7.79	-68.76	-243.27	1,647.80	1,470.66	1,452.88	17.78	82.732		
2,000.00	1,914.54	1,748.17	1,746.14	10.92	8.19	-70.27	-242.64	1,655.68	1,462.87	1,444.05	18.82	77.731		
2,100.00	2,004.21	1,844.41	1,842.05	11.61	8.59	-71.82	-242.83	1,663.54	1,455.88	1,435.99	19.89	73.185		
2,200.00	2,093.89	1,943.64	1,940.98	12.30	9.00	-73.43	-243.04	1,671.33	1,449.76	1,428.76	21.00	69.052		
2,300.00	2,183.56	2,042.14	2,039.23	13.01	9.41	-75.05	-243.15	1,678.25	1,444.06	1,421.95	22.11	65.322		
2,400.00	2,273.23	2,133.69	2,130.57	13.71	9.79	-76.58	-242.78	1,684.51	1,439.50	1,416.29	23.20	62.046		
2,500.00	2,362.90	2,231.16	2,227.83	14.43	10.19	-78.21	-242.46	1,690.87	1,435.87	1,411.54	24.33	59.023		
2,600.00	2,452.57	2,331.57	2,328.05	15.14	10.60	-79.90	-242.51	1,696.94	1,432.98	1,407.50	25.47	56.255		
2,700.00	2,542.25	2,431.52	2,427.86	15.87	11.01	-81.58	-242.88	1,702.28	1,430.59	1,403.97	26.62	53.739		
2,800.00	2,631.92	2,521.76	2,517.99	16.59	11.38	-83.10	-243.14	1,706.82	1,429.21	1,401.48	27.73	51.538		
2,844.52	2,671.83	2,559.73	2,555.90	16.91	11.53	-83.74	-243.24	1,708.78	1,429.05	1,400.83	28.22	50.645 CC		
2,900.00	2,721.59	2,606.85	2,602.95	17.32	11.73	-84.54	-243.37	1,711.31	1,429.30	1,400.48	28.82	49.593 ES		
3,000.00	2,811.26	2,689.54	2,685.50	18.05	12.07	-85.92	-243.70	1,716.17	1,431.06	1,401.16	29.90	47.866		
3,100.00	2,900.93	2,779.39	2,775.18	18.78	12.44	-87.41	-244.18	1,721.83	1,434.35	1,403.35	31.00	46.263		
3,200.00	2,990.60	2,867.42	2,863.02	19.51	12.81	-88.86	-244.72	1,727.50	1,438.92	1,406.82	32.10	44.825		
3,300.00	3,080.28	2,955.87	2,951.26	20.25	13.19	-90.30	-245.49	1,733.55	1,444.86	1,411.66	33.19	43.527		
3,400.00	3,169.95	3,042.01	3,037.18	20.99	13.55	-91.69	-246.18	1,739.60	1,452.12	1,417.85	34.27	42.371		
3,500.00	3,259.62	3,127.50	3,122.46	21.73	13.91	-93.07	-246.08	1,745.61	1,460.96	1,425.62	35.34	41.345		
3,600.00	3,349.29	3,221.19	3,215.90	22.47	14.31	-94.57	-246.12	1,752.37	1,470.99	1,434.55	36.44	40.369		
3,700.00	3,438.96	3,320.05	3,314.52	23.21	14.73	-96.12	-246.69	1,759.36	1,481.75	1,444.18	37.56	39.447		
3,800.00	3,528.64	3,417.24	3,411.49	23.95	15.14	-97.63	-247.40	1,765.76	1,493.12	1,454.45	38.67	38.610		
3,900.00	3,618.31	3,509.91	3,503.96	24.69	15.54	-99.03	-248.44	1,771.86	1,505.34	1,465.59	39.75	37.872		
4,000.00	3,707.98	3,598.64	3,592.43	25.44	15.91	-100.33	-250.10	1,778.30	1,518.60	1,477.80	40.80	37.222		
4,100.00	3,797.65	3,691.18	3,684.63	26.18	16.32	-101.62	-252.81	1,785.89	1,532.83	1,490.96	41.87	36.609		
4,200.00	3,887.32	3,804.32	3,797.22	26.93	16.81	-103.10	-257.84	1,795.69	1,547.30	1,504.23	43.07	35.927		
4,300.00	3,976.99	3,889.50	3,881.98	27.68	17.18	-104.19	-262.15	1,803.05	1,562.12	1,518.02	44.09	35.427		
4,400.00	4,066.67	3,981.37	3,973.41	28.42	17.58	-105.35	-266.42	1,810.95	1,577.91	1,532.76	45.15	34.948		
4,500.00	4,156.34	4,070.24	4,061.89	29.17	17.97	-106.47	-270.14	1,818.34	1,594.52	1,548.34	46.18	34.531		
4,600.00	4,246.01	4,167.12	4,158.39	29.92	18.39	-107.68	-273.81	1,826.11	1,611.95	1,564.71	47.24	34.122		
4,700.00	4,335.68	4,252.99	4,243.94	30.67	18.76	-108.75	-277.04	1,832.72	1,629.91	1,581.69	48.23	33.797		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,425.35	4,343.20	4,333.83	31.42	19.15	-109.86	-279.73	1,839.79	1,649.17	1,599.94	49.23	33.500		
4,900.00	4,515.03	4,448.31	4,438.65	32.17	19.60	-111.15	-282.82	1,846.96	1,668.56	1,618.25	50.31	33.163		
5,000.00	4,604.70	4,547.87	4,538.04	32.92	20.02	-112.39	-285.26	1,852.23	1,688.12	1,636.78	51.35	32.878		
5,100.00	4,694.37	4,643.81	4,633.89	33.67	20.42	-113.61	-287.06	1,856.03	1,708.08	1,655.74	52.34	32.636		
5,200.00	4,784.04	4,737.80	4,727.82	34.42	20.81	-114.79	-288.57	1,859.09	1,728.62	1,675.32	53.30	32.429		
5,300.00	4,873.71	4,830.63	4,820.62	35.17	21.20	-115.97	-289.63	1,861.25	1,749.77	1,695.52	54.25	32.253		
5,400.00	4,963.38	4,920.57	4,910.55	35.92	21.57	-117.11	-290.34	1,862.81	1,771.66	1,716.49	55.17	32.113		
5,500.00	5,053.06	5,009.37	4,999.33	36.67	21.93	-118.22	-290.78	1,864.07	1,794.38	1,738.31	56.07	32.002		
5,600.00	5,142.73	5,102.42	5,092.37	37.43	22.32	-119.37	-291.07	1,865.04	1,817.80	1,760.82	56.99	31.898		
5,700.00	5,232.40	5,203.03	5,192.98	38.18	22.73	-120.57	-291.78	1,866.04	1,841.64	1,783.69	57.95	31.779		
5,800.00	5,322.07	5,315.25	5,305.17	38.93	23.20	-121.86	-294.00	1,867.40	1,865.25	1,806.26	58.99	31.622		
5,900.00	5,411.74	5,400.58	5,390.47	39.68	23.55	-122.81	-296.01	1,868.43	1,889.22	1,829.37	59.85	31.568		
6,000.00	5,501.42	5,478.52	5,468.38	40.44	23.87	-123.66	-297.43	1,869.40	1,914.24	1,853.60	60.65	31.564		
6,100.00	5,591.09	5,563.54	5,553.39	41.19	24.23	-124.58	-298.49	1,870.48	1,940.34	1,878.86	61.49	31.558 SF		
6,200.00	5,680.76	5,647.04	5,636.89	41.94	24.57	-125.46	-299.30	1,871.46	1,967.23	1,904.92	62.31	31.573		
6,300.00	5,770.43	5,730.26	5,720.09	42.70	24.92	-126.32	-299.87	1,872.82	1,995.07	1,931.95	63.12	31.606		
6,400.00	5,860.10	5,820.16	5,809.98	43.45	25.30	-127.22	-300.39	1,874.43	2,023.60	1,959.62	63.98	31.627		
6,500.00	5,949.77	5,914.88	5,904.68	44.20	25.69	-128.16	-300.96	1,875.82	2,052.50	1,987.63	64.88	31.637		
6,600.00	6,039.45	6,004.60	5,994.40	44.96	26.06	-129.03	-301.35	1,876.54	2,081.83	2,016.11	65.73	31.675		
6,700.00	6,129.12	6,087.27	6,077.07	45.71	26.41	-129.83	-301.47	1,877.06	2,111.83	2,045.32	66.52	31.750		
6,800.00	6,218.79	6,185.39	6,175.18	46.46	26.82	-130.75	-301.57	1,877.60	2,142.33	2,074.90	67.42	31.775		
6,900.00	6,308.46	6,282.45	6,272.25	47.22	27.22	-131.66	-301.83	1,877.31	2,172.90	2,104.59	68.32	31.807		
6,969.86	6,371.11	6,349.30	6,339.09	47.75	27.50	-132.28	-302.01	1,876.60	2,194.38	2,125.46	68.93	31.836		
7,000.00	6,398.25	6,378.23	6,368.01	47.97	27.62	-138.59	-302.11	1,876.25	2,203.95	2,134.76	69.19	31.853		
7,050.00	6,443.70	6,427.70	6,417.48	48.31	27.83	-149.94	-302.33	1,875.57	2,220.94	2,151.31	69.62	31.899		
7,100.00	6,489.42	6,478.39	6,468.16	48.61	28.04	-161.96	-302.63	1,874.76	2,239.16	2,169.10	70.05	31.963		
7,150.00	6,535.12	6,526.10	6,515.86	48.87	28.24	-173.98	-302.97	1,873.91	2,258.47	2,188.02	70.45	32.057		
7,200.00	6,580.53	6,571.29	6,561.05	49.09	28.43	-174.66	-303.29	1,873.08	2,278.81	2,207.98	70.83	32.173		
7,250.00	6,625.36	6,617.83	6,607.58	49.27	28.62	-164.38	-303.60	1,872.21	2,300.06	2,228.84	71.22	32.294		
7,300.00	6,669.35	6,666.92	6,656.66	49.42	28.83	-155.35	-303.98	1,871.14	2,322.02	2,250.37	71.65	32.408		
7,350.00	6,712.21	6,715.66	6,705.38	49.55	29.03	-147.52	-304.39	1,869.89	2,344.58	2,272.49	72.09	32.522		
7,400.00	6,753.69	6,764.57	6,754.26	49.65	29.24	-140.78	-304.87	1,868.41	2,367.61	2,295.05	72.56	32.630		
7,450.00	6,793.52	6,811.99	6,801.65	49.73	29.44	-134.92	-305.39	1,866.74	2,391.04	2,318.00	73.04	32.735		
7,500.00	6,831.47	6,846.04	6,835.67	49.81	29.58	-129.65	-305.74	1,865.51	2,414.92	2,341.46	73.46	32.873		
7,550.00	6,867.30	6,880.54	6,870.15	49.88	29.73	-124.97	-306.07	1,864.27	2,439.20	2,365.28	73.92	32.998		
7,600.00	6,900.78	6,915.76	6,905.34	49.95	29.88	-120.78	-306.37	1,863.00	2,463.82	2,389.39	74.42	33.106		
7,650.00	6,931.72	6,952.65	6,942.21	50.03	30.03	-117.04	-306.70	1,861.56	2,488.63	2,413.66	74.98	33.192		
7,700.00	6,959.92	6,986.81	6,976.33	50.11	30.18	-113.60	-307.03	1,860.13	2,513.58	2,438.03	75.55	33.269		
7,750.00	6,985.20	7,018.01	7,007.51	50.20	30.31	-110.42	-307.35	1,858.73	2,538.61	2,462.47	76.15	33.338		
7,800.00	7,007.41	7,037.45	7,026.93	50.30	30.39	-107.24	-307.50	1,857.83	2,563.74	2,487.04	76.70	33.425		
7,850.00	7,026.42	7,057.38	7,046.83	50.42	30.48	-104.30	-307.65	1,856.88	2,588.87	2,511.57	77.30	33.493		
7,900.00	7,042.11	7,127.26	7,062.17	50.57	30.77	-101.48	-307.78	1,856.16	2,613.91	2,535.78	78.13	33.457		
7,950.00	7,054.37	7,112.53	7,076.89	50.73	30.71	-98.85	-307.84	1,855.41	2,638.80	2,560.17	78.63	33.560		
8,000.00	7,063.14	7,101.24	7,088.15	50.92	30.66	-96.35	-307.90	1,854.83	2,663.43	2,584.26	79.17	33.644		
8,050.00	7,068.36	7,106.52	7,095.91	51.13	30.68	-93.98	-307.93	1,854.43	2,687.70	2,607.91	79.79	33.686		
8,094.17	7,070.00	7,110.41	7,099.79	51.34	30.70	-92.00	-307.95	1,854.23	2,708.75	2,628.42	80.34	33.718		
8,100.00	7,070.03	7,110.73	7,100.12	51.37	30.70	-92.01	-307.95	1,854.22	2,711.51	2,631.10	80.41	33.722		
8,200.00	7,070.55	7,116.37	7,105.74	51.94	30.73	-92.15	-307.98	1,853.93	2,760.27	2,678.61	81.66	33.802		
8,300.00	7,071.07	7,122.00	7,111.36	52.64	30.75	-92.28	-308.00	1,853.64	2,811.73	2,728.81	82.92	33.908		
8,400.00	7,071.60	7,127.63	7,116.99	53.49	30.77	-92.42	-308.03	1,853.35	2,865.74	2,781.56	84.18	34.043		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,072.12	7,133.26	7,122.61	54.50	30.80	92.55	-308.05	1,853.07	2,922.17	2,836.75	85.42	34.208		
8,600.00	7,072.64	7,138.89	7,128.23	55.69	30.82	92.68	-308.08	1,852.78	2,980.88	2,894.24	86.64	34.405		
8,700.00	7,073.17	7,144.52	7,133.86	57.04	30.85	92.82	-308.11	1,852.49	3,041.73	2,953.90	87.83	34.631		
8,800.00	7,073.69	7,150.15	7,139.48	58.55	30.87	92.95	-308.13	1,852.20	3,104.60	3,015.61	88.99	34.888		
8,900.00	7,074.21	7,155.78	7,145.10	60.21	30.90	93.09	-308.16	1,851.91	3,169.37	3,079.26	90.11	35.174		
9,000.00	7,074.74	7,161.41	7,150.73	61.99	30.92	93.22	-308.18	1,851.63	3,235.92	3,144.74	91.18	35.488		
9,100.00	7,075.26	7,167.04	7,156.35	63.88	30.94	93.36	-308.21	1,851.34	3,304.15	3,211.93	92.22	35.829		
9,200.00	7,075.78	7,172.67	7,161.97	65.87	30.97	93.49	-308.24	1,851.05	3,373.96	3,280.74	93.22	36.195		
9,300.00	7,076.30	7,178.31	7,167.60	67.95	30.99	93.63	-308.26	1,850.76	3,445.24	3,351.07	94.17	36.585		
9,400.00	7,076.83	7,183.94	7,173.22	70.09	31.02	93.76	-308.29	1,850.48	3,517.92	3,422.83	95.08	36.998		
9,500.00	7,077.35	7,189.57	7,178.84	72.30	31.04	93.90	-308.31	1,850.19	3,591.89	3,495.94	95.96	37.433		
9,600.00	7,077.87	7,195.20	7,184.47	74.57	31.07	94.03	-308.34	1,849.90	3,667.10	3,570.31	96.79	37.887		
9,700.00	7,078.40	7,200.83	7,190.09	76.88	31.09	94.16	-308.37	1,849.61	3,743.46	3,645.87	97.59	38.360		
9,800.00	7,078.92	7,206.46	7,195.72	79.24	31.11	94.30	-308.39	1,849.33	3,820.90	3,722.55	98.35	38.851		
9,900.00	7,079.44	7,212.09	7,201.34	81.63	31.14	94.43	-308.42	1,849.04	3,899.36	3,800.28	99.07	39.358		
10,000.00	7,079.97	7,217.72	7,206.96	84.06	31.16	94.57	-308.44	1,848.75	3,978.77	3,879.01	99.77	39.881		
10,100.00	7,080.49	7,223.35	7,212.59	86.52	31.19	94.70	-308.47	1,848.46	4,059.09	3,958.66	100.43	40.418		
10,200.00	7,081.01	7,228.98	7,218.21	89.01	31.21	94.84	-308.50	1,848.17	4,140.26	4,039.20	101.06	40.969		
10,300.00	7,081.54	7,234.62	7,223.83	91.52	31.23	94.97	-308.52	1,847.89	4,222.23	4,120.57	101.66	41.532		
10,400.00	7,082.06	7,240.25	7,229.46	94.05	31.26	95.10	-308.55	1,847.60	4,304.95	4,202.72	102.24	42.107		
10,500.00	7,082.58	7,245.88	7,235.08	96.61	31.28	95.24	-308.57	1,847.31	4,388.39	4,285.60	102.79	42.693		
10,600.00	7,083.10	7,251.51	7,240.70	99.18	31.31	95.37	-308.60	1,847.02	4,472.50	4,369.18	103.31	43.290		
10,700.00	7,083.63	7,257.14	7,246.33	101.77	31.33	95.51	-308.63	1,846.74	4,557.24	4,453.43	103.82	43.896		
10,800.00	7,084.15	7,262.77	7,251.95	104.38	31.36	95.64	-308.65	1,846.45	4,642.59	4,538.29	104.30	44.512		
10,900.00	7,084.67	7,268.40	7,257.57	107.00	31.38	95.77	-308.68	1,846.16	4,728.50	4,623.74	104.76	45.136		
11,000.00	7,085.20	7,274.03	7,263.20	109.63	31.40	95.91	-308.70	1,845.87	4,814.95	4,709.75	105.20	45.768		
11,100.00	7,085.72	7,279.66	7,268.82	112.27	31.43	96.04	-308.73	1,845.58	4,901.91	4,796.28	105.63	46.408		
11,200.00	7,086.24	7,285.29	7,274.44	114.93	31.45	96.17	-308.76	1,845.30	4,989.35	4,883.31	106.03	47.054		
11,300.00	7,086.77	7,290.92	7,280.07	117.59	31.48	96.31	-308.78	1,845.01	5,077.25	4,970.82	106.42	47.707		
11,400.00	7,087.29	7,296.56	7,285.69	120.27	31.50	96.44	-308.81	1,844.72	5,165.58	5,058.78	106.80	48.367		
11,500.00	7,087.81	7,302.19	7,291.32	122.95	31.53	96.57	-308.83	1,844.43	5,254.32	5,147.16	107.16	49.032		
11,600.00	7,088.33	7,307.82	7,296.94	125.64	31.55	96.71	-308.86	1,844.15	5,343.46	5,235.95	107.51	49.703		
11,700.00	7,088.86	7,313.45	7,302.56	128.34	31.57	96.84	-308.89	1,843.86	5,432.97	5,325.12	107.84	50.379		
11,800.00	7,089.38	7,319.08	7,308.19	131.05	31.60	96.97	-308.91	1,843.57	5,522.83	5,414.67	108.16	51.060		
11,900.00	7,089.90	7,324.71	7,313.81	133.76	31.62	97.11	-308.94	1,843.28	5,613.03	5,504.55	108.47	51.745		
12,000.00	7,090.43	7,330.34	7,319.43	136.49	31.65	97.24	-308.96	1,842.99	5,703.55	5,594.78	108.77	52.435		
12,100.00	7,090.95	7,335.97	7,325.06	139.21	31.67	97.37	-308.99	1,842.71	5,794.38	5,685.31	109.06	53.128		
12,200.00	7,091.47	7,341.60	7,330.68	141.94	31.70	97.51	-309.02	1,842.42	5,885.50	5,776.15	109.34	53.826		
12,300.00	7,092.00	7,347.23	7,336.30	144.68	31.72	97.64	-309.04	1,842.13	5,976.90	5,867.28	109.61	54.527		
12,400.00	7,092.52	7,352.86	7,341.93	147.42	31.74	97.77	-309.07	1,841.84	6,068.56	5,958.68	109.88	55.231		
12,500.00	7,093.04	7,358.50	7,347.55	150.17	31.77	97.90	-309.09	1,841.56	6,160.48	6,050.35	110.13	55.939		
12,600.00	7,093.57	7,364.13	7,353.17	152.92	31.79	98.04	-309.12	1,841.27	6,252.64	6,142.27	110.37	56.650		
12,700.00	7,094.09	7,369.76	7,358.80	155.67	31.82	98.17	-309.15	1,840.98	6,345.03	6,234.42	110.61	57.363		
12,800.00	7,094.61	7,375.39	7,364.42	158.43	31.84	98.30	-309.17	1,840.69	6,437.65	6,326.81	110.84	58.079		
12,900.00	7,095.13	7,381.02	7,370.04	161.19	31.86	98.43	-309.20	1,840.41	6,530.48	6,419.41	111.07	58.797		
13,000.00	7,095.66	7,386.65	7,375.67	163.96	31.89	98.57	-309.22	1,840.12	6,623.51	6,512.23	111.29	59.518		
13,100.00	7,096.18	7,392.28	7,381.29	166.73	31.91	98.70	-309.25	1,839.83	6,716.74	6,605.24	111.50	60.241		
13,200.00	7,096.70	7,397.91	7,386.91	169.50	31.94	98.83	-309.28	1,839.54	6,810.16	6,698.45	111.70	60.966		
13,256.62	7,097.00	7,401.10	7,390.10	171.07	31.95	98.90	-309.29	1,839.38	6,863.13	6,751.31	111.82	61.377		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-162.16	-3,201.86	-1,030.49	3,363.70					
100.00	100.00	75.00	75.00	3.28	3.53	-162.16	-3,201.86	-1,030.49	3,363.60	3,356.79	6.82	493.464		
200.00	200.00	175.00	175.00	3.34	5.46	-162.16	-3,201.86	-1,030.49	3,363.60	3,354.81	8.80	382.400		
300.00	300.00	275.00	275.00	3.44	8.51	-162.16	-3,201.86	-1,030.49	3,363.60	3,351.65	11.96	281.309		
400.00	399.98	374.98	374.98	3.60	11.81	44.39	-3,201.86	-1,030.49	3,362.36	3,346.95	15.41	218.253		
500.00	499.84	474.84	474.84	3.79	15.19	44.50	-3,201.86	-1,030.49	3,358.62	3,339.64	18.98	176.986		
600.00	599.45	574.45	574.45	4.02	18.60	44.70	-3,201.86	-1,030.49	3,352.40	3,329.78	22.62	148.203		
700.00	698.70	673.70	673.70	4.29	22.02	44.96	-3,201.86	-1,030.49	3,343.72	3,317.42	26.31	127.093		
800.00	797.47	772.47	772.47	4.59	25.43	45.31	-3,201.86	-1,030.49	3,332.62	3,302.59	30.03	110.990		
900.00	895.62	870.62	870.62	4.93	28.84	45.74	-3,201.86	-1,030.49	3,319.13	3,285.37	33.76	98.315		
1,000.00	993.06	968.06	968.06	5.31	32.22	46.25	-3,201.86	-1,030.49	3,303.29	3,265.79	37.50	88.084		
1,100.00	1,089.64	1,064.64	1,064.64	5.72	35.57	46.83	-3,201.86	-1,030.49	3,285.16	3,243.92	41.24	79.652		
1,200.00	1,185.27	1,160.27	1,160.27	6.16	38.90	47.51	-3,201.86	-1,030.49	3,264.81	3,219.83	44.98	72.580		
1,300.00	1,279.82	1,254.82	1,254.82	6.64	42.19	48.26	-3,201.86	-1,030.49	3,242.31	3,193.60	48.71	66.562		
1,400.00	1,373.17	1,348.17	1,348.17	7.16	45.44	49.10	-3,201.86	-1,030.49	3,217.74	3,165.32	52.43	61.375		
1,500.00	1,465.21	1,440.21	1,440.21	7.71	48.64	50.03	-3,201.86	-1,030.49	3,191.20	3,135.07	56.13	56.856		
1,600.00	1,555.84	1,530.84	1,530.84	8.31	51.80	51.04	-3,201.86	-1,030.49	3,162.78	3,102.97	59.81	52.880		
1,613.50	1,567.96	1,542.96	1,542.96	8.39	52.22	51.19	-3,201.86	-1,030.49	3,158.81	3,098.50	60.31	52.377		
1,700.00	1,645.53	1,620.53	1,620.53	8.93	54.93	51.70	-3,201.86	-1,030.49	3,133.37	3,069.88	63.49	49.355		
1,800.00	1,735.20	1,710.20	1,710.20	9.58	58.05	52.30	-3,201.86	-1,030.49	3,104.29	3,037.11	67.18	46.208		
1,900.00	1,824.87	1,800.13	1,799.87	10.25	61.19	52.91	-3,201.86	-1,030.49	3,075.58	3,004.68	70.90	43.378		
2,000.00	1,914.54	1,889.54	1,889.54	10.92	64.30	53.53	-3,201.86	-1,030.49	3,047.23	2,972.61	74.62	40.837		
2,100.00	2,004.21	1,979.21	1,979.21	11.61	67.43	54.16	-3,201.86	-1,030.49	3,019.27	2,940.91	78.36	38.530		
2,200.00	2,093.89	2,068.89	2,068.89	12.30	70.56	54.80	-3,201.86	-1,030.49	2,991.71	2,909.59	82.12	36.432		
2,300.00	2,183.56	2,158.56	2,158.56	13.01	73.68	55.45	-3,201.86	-1,030.49	2,964.55	2,878.66	85.89	34.517		
2,400.00	2,273.23	2,248.23	2,248.23	13.71	76.81	56.11	-3,201.86	-1,030.49	2,937.80	2,848.13	89.67	32.764		
2,500.00	2,362.90	2,337.90	2,337.90	14.43	79.94	56.78	-3,201.86	-1,030.49	2,911.48	2,818.02	93.46	31.154		
2,600.00	2,452.57	2,427.57	2,427.57	15.14	83.07	57.46	-3,201.86	-1,030.49	2,885.60	2,788.34	97.26	29.670		
2,700.00	2,542.25	2,517.25	2,517.25	15.87	86.19	58.16	-3,201.86	-1,030.49	2,860.17	2,759.11	101.07	28.300		
2,800.00	2,631.92	2,606.92	2,606.92	16.59	89.32	58.86	-3,201.86	-1,030.49	2,835.20	2,730.32	104.88	27.032		
2,900.00	2,721.59	2,703.41	2,696.59	17.32	92.69	59.57	-3,201.86	-1,030.49	2,810.71	2,701.76	108.95	25.798		
3,000.00	2,811.26	2,786.26	2,786.26	18.05	95.58	60.30	-3,201.86	-1,030.49	2,786.71	2,674.16	112.55	24.761		
3,100.00	2,900.93	2,875.93	2,875.93	18.78	98.71	61.03	-3,201.86	-1,030.49	2,763.21	2,646.82	116.39	23.741		
3,200.00	2,990.60	2,965.60	2,965.60	19.51	101.84	61.78	-3,201.86	-1,030.49	2,740.22	2,619.98	120.24	22.790		
3,300.00	3,080.28	3,055.28	3,055.28	20.25	104.97	62.54	-3,201.86	-1,030.49	2,717.75	2,593.65	124.10	21.900		
3,400.00	3,169.95	3,144.95	3,144.95	20.99	108.09	63.30	-3,201.86	-1,030.49	2,695.83	2,567.87	127.96	21.067		
3,500.00	3,259.62	3,234.62	3,234.62	21.73	111.22	64.08	-3,201.86	-1,030.49	2,674.46	2,542.62	131.84	20.286		
3,600.00	3,349.29	3,324.29	3,324.29	22.47	114.35	64.87	-3,201.86	-1,030.49	2,653.65	2,517.94	135.71	19.553		
3,700.00	3,438.96	3,413.96	3,413.96	23.21	117.48	65.66	-3,201.86	-1,030.49	2,633.43	2,493.83	139.60	18.864		
3,800.00	3,528.64	3,503.64	3,503.64	23.95	120.61	66.47	-3,201.86	-1,030.49	2,613.80	2,470.31	143.49	18.216		
3,900.00	3,618.31	3,606.69	3,593.31	24.69	124.21	67.29	-3,201.86	-1,030.49	2,594.77	2,446.92	147.85	17.550		
4,000.00	3,707.98	3,682.98	3,682.98	25.44	126.87	68.12	-3,201.86	-1,030.49	2,576.36	2,425.08	151.29	17.030		
4,100.00	3,797.65	3,772.65	3,772.65	26.18	130.00	68.96	-3,201.86	-1,030.49	2,558.59	2,403.40	155.19	16.486		
4,200.00	3,887.32	3,862.32	3,862.32	26.93	133.13	69.80	-3,201.86	-1,030.49	2,541.46	2,382.36	159.11	15.973		
4,300.00	3,976.99	3,951.99	3,951.99	27.68	136.26	70.66	-3,201.86	-1,030.49	2,525.00	2,361.98	163.02	15.489		
4,400.00	4,066.67	4,041.67	4,041.67	28.42	139.39	71.53	-3,201.86	-1,030.49	2,509.21	2,342.26	166.94	15.030		
4,500.00	4,156.34	4,131.34	4,131.34	29.17	142.52	72.40	-3,201.86	-1,030.49	2,494.10	2,323.23	170.86	14.597		
4,600.00	4,246.01	4,221.01	4,221.01	29.92	145.65	73.28	-3,201.86	-1,030.49	2,479.69	2,304.90	174.79	14.187		
4,700.00	4,335.68	4,310.68	4,310.68	30.67	148.78	74.17	-3,201.86	-1,030.49	2,465.99	2,287.27	178.72	13.798		
4,800.00	4,425.35	4,400.35	4,400.35	31.42	151.91	75.07	-3,201.86	-1,030.49	2,453.01	2,270.36	182.65	13.430		
4,900.00	4,515.03	4,509.97	4,490.03	32.17	155.73	75.98	-3,201.86	-1,030.49	2,440.77	2,253.49	187.28	13.033		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - POP I #14-17 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,604.70	4,579.70	4,579.70	32.92	158.17	76.89	-3,201.86	-1,030.49	2,429.27	2,238.75	190.52	12.751					
5,100.00	4,694.37	4,669.37	4,669.37	33.67	161.30	77.81	-3,201.86	-1,030.49	2,418.52	2,224.07	194.45	12.438					
5,200.00	4,784.04	4,759.04	4,759.04	34.42	164.43	78.74	-3,201.86	-1,030.49	2,408.55	2,210.16	198.39	12.141					
5,300.00	4,873.71	4,848.71	4,848.71	35.17	167.56	79.67	-3,201.86	-1,030.49	2,399.34	2,197.02	202.32	11.859					
5,400.00	4,963.38	4,938.38	4,938.38	35.92	170.69	80.61	-3,201.86	-1,030.49	2,390.93	2,184.67	206.26	11.592					
5,500.00	5,053.06	5,028.06	5,028.06	36.67	173.82	81.56	-3,201.86	-1,030.49	2,383.30	2,173.11	210.19	11.339					
5,600.00	5,142.73	5,117.73	5,117.73	37.43	176.95	82.51	-3,201.86	-1,030.49	2,376.47	2,162.35	214.12	11.099					
5,700.00	5,232.40	5,207.40	5,207.40	38.18	180.08	83.46	-3,201.86	-1,030.49	2,370.45	2,152.40	218.05	10.871					
5,800.00	5,322.07	5,302.93	5,297.07	38.93	183.41	84.41	-3,201.86	-1,030.49	2,365.25	2,143.07	222.18	10.646					
5,900.00	5,411.74	5,386.74	5,386.74	39.68	186.33	85.37	-3,201.86	-1,030.49	2,360.86	2,134.96	225.90	10.451					
6,000.00	5,501.42	5,476.42	5,476.42	40.44	189.46	86.34	-3,201.86	-1,030.49	2,357.29	2,127.48	229.81	10.257					
6,100.00	5,591.09	5,566.09	5,566.09	41.19	192.59	87.30	-3,201.86	-1,030.49	2,354.55	2,120.83	233.73	10.074					
6,200.00	5,680.76	5,655.76	5,655.76	41.94	195.72	88.27	-3,201.86	-1,030.49	2,352.65	2,115.01	237.63	9.900					
6,300.00	5,770.43	5,745.43	5,745.43	42.70	198.85	89.23	-3,201.86	-1,030.49	2,351.57	2,110.04	241.53	9.736					
6,379.32	5,841.56	5,816.56	5,816.56	43.29	201.34	90.00	-3,201.86	-1,030.49	2,351.31	2,106.68	244.62	9.612					
6,400.00	5,860.10	5,835.10	5,835.10	43.45	201.98	90.20	-3,201.86	-1,030.49	2,351.32	2,105.90	245.43	9.580					
6,500.00	5,949.77	5,924.77	5,924.77	44.20	205.12	91.17	-3,201.86	-1,030.49	2,351.91	2,102.60	249.32	9.433					
6,600.00	6,039.45	6,014.45	6,014.45	44.96	208.25	92.13	-3,201.86	-1,030.49	2,353.33	2,100.14	253.20	9.294					
6,700.00	6,129.12	6,104.12	6,104.12	45.71	211.38	93.10	-3,201.86	-1,030.49	2,355.59	2,098.51	257.07	9.163					
6,800.00	6,218.79	6,206.21	6,193.79	46.46	214.94	94.06	-3,201.86	-1,030.49	2,358.67	2,097.29	261.37	9.024					
6,900.00	6,308.46	6,283.46	6,283.46	47.22	217.64	95.02	-3,201.86	-1,030.49	2,362.57	2,097.78	264.80	8.922					
6,969.86	6,371.11	6,346.11	6,346.11	47.75	219.82	95.69	-3,201.86	-1,030.49	2,365.79	2,098.30	267.49	8.844					
7,000.00	6,398.25	6,373.25	6,373.25	47.97	220.77	90.78	-3,201.86	-1,030.49	2,366.62	2,097.98	268.64	8.809					
7,050.00	6,443.70	6,418.70	6,418.70	48.31	222.36	81.71	-3,201.86	-1,030.49	2,365.17	2,094.62	270.55	8.742					
7,100.00	6,489.42	6,464.42	6,464.42	48.61	223.95	71.89	-3,201.86	-1,030.49	2,360.17	2,087.73	272.44	8.663					
7,150.00	6,535.12	6,510.12	6,510.12	48.87	225.55	62.00	-3,201.86	-1,030.49	2,351.61	2,077.34	274.28	8.574					
7,200.00	6,580.53	6,555.53	6,555.53	49.09	227.13	52.65	-3,201.86	-1,030.49	2,339.53	2,063.46	276.07	8.474					
7,250.00	6,625.36	6,600.36	6,600.36	49.27	228.70	44.27	-3,201.86	-1,030.49	2,323.96	2,046.15	277.80	8.365					
7,300.00	6,669.35	6,644.35	6,644.35	49.42	230.23	37.01	-3,201.86	-1,030.49	2,304.97	2,025.50	279.47	8.248					
7,350.00	6,712.21	6,687.21	6,687.21	49.55	231.73	30.78	-3,201.86	-1,030.49	2,282.66	2,001.58	281.08	8.121					
7,400.00	6,753.69	6,728.69	6,728.69	49.65	233.18	25.42	-3,201.86	-1,030.49	2,257.13	1,974.53	282.60	7.987					
7,450.00	6,793.52	6,768.52	6,768.52	49.73	234.57	20.73	-3,201.86	-1,030.49	2,228.52	1,944.47	284.06	7.845					
7,500.00	6,831.47	6,806.47	6,806.47	49.81	235.89	16.50	-3,201.86	-1,030.49	2,197.00	1,911.57	285.43	7.697					
7,550.00	6,867.30	6,842.30	6,842.30	49.88	237.14	12.53	-3,201.86	-1,030.49	2,162.72	1,876.01	286.71	7.543					
7,600.00	6,900.78	6,875.78	6,875.78	49.95	238.31	8.64	-3,201.86	-1,030.49	2,125.89	1,837.98	287.91	7.384					
7,650.00	6,931.72	6,906.72	6,906.72	50.03	239.39	4.61	-3,201.86	-1,030.49	2,086.73	1,797.71	289.02	7.220					
7,700.00	6,959.92	6,934.92	6,934.92	50.11	240.38	0.18	-3,201.86	-1,030.49	2,045.47	1,755.43	290.03	7.053					
7,750.00	6,985.20	6,960.20	6,960.20	50.20	241.26	-4.97	-3,201.86	-1,030.49	2,002.35	1,711.41	290.95	6.882					
7,800.00	7,007.41	6,982.41	6,982.41	50.30	242.03	-11.29	-3,201.86	-1,030.49	1,957.66	1,665.90	291.76	6.710					
7,850.00	7,026.42	7,001.42	7,001.42	50.42	242.70	-19.40	-3,201.86	-1,030.49	1,911.67	1,619.20	292.47	6.536					
7,900.00	7,042.11	7,017.11	7,017.11	50.57	243.24	-30.04	-3,201.86	-1,030.49	1,864.68	1,571.60	293.08	6.362					
7,950.00	7,054.37	7,029.37	7,029.37	50.73	243.67	-43.73	-3,201.86	-1,030.49	1,817.00	1,523.41	293.59	6.189					
8,000.00	7,063.14	7,038.14	7,038.14	50.92	243.98	-59.94	-3,201.86	-1,030.49	1,768.96	1,474.96	293.99	6.017					
8,050.00	7,068.36	7,043.36	7,043.36	51.13	244.16	-76.41	-3,201.86	-1,030.49	1,720.88	1,426.58	294.29	5.848					
8,094.17	7,070.00	7,045.00	7,045.00	51.34	244.22	-89.07	-3,201.86	-1,030.49	1,678.64	1,384.17	294.47	5.701					
8,100.00	7,070.03	7,045.03	7,045.03	51.37	244.22	-89.08	-3,201.86	-1,030.49	1,673.10	1,378.61	294.49	5.681					
8,200.00	7,070.55	7,045.55	7,045.55	51.94	244.24	-89.13	-3,201.86	-1,030.49	1,578.27	1,283.42	294.84	5.353					
8,300.00	7,071.07	7,046.07	7,046.07	52.64	244.26	-89.19	-3,201.86	-1,030.49	1,484.12	1,188.85	295.26	5.026					
8,400.00	7,071.60	7,046.60	7,046.60	53.49	244.27	-89.25	-3,201.86	-1,030.49	1,390.78	1,095.01	295.77	4.702					
8,500.00	7,072.12	7,047.12	7,047.12	54.50	244.29	-89.31	-3,201.86	-1,030.49	1,298.44	1,002.06	296.38	4.381					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,072.64	7,047.64	7,047.64	55.69	244.31	-89.37	-3,201.86	-1,030.49	1,207.32	910.20	297.12	4.063		
8,700.00	7,073.17	7,048.17	7,048.17	57.04	244.33	-89.42	-3,201.86	-1,030.49	1,117.72	819.69	298.03	3.750		
8,800.00	7,073.69	7,048.69	7,048.69	58.55	244.35	-89.48	-3,201.86	-1,030.49	1,030.03	730.89	299.15	3.443		
8,900.00	7,074.21	7,049.21	7,049.21	60.21	244.36	-89.54	-3,201.86	-1,030.49	944.80	644.26	300.53	3.144		
9,000.00	7,074.74	7,049.74	7,049.74	61.99	244.38	-89.60	-3,201.86	-1,030.49	862.73	560.48	302.25	2.854		
9,100.00	7,075.26	7,050.26	7,050.26	63.88	244.40	-89.66	-3,201.86	-1,030.49	784.84	480.47	304.37	2.579		
9,200.00	7,075.78	7,050.78	7,050.78	65.87	244.42	-89.71	-3,201.86	-1,030.49	712.50	405.56	306.94	2.321		
9,300.00	7,076.30	7,051.30	7,051.30	67.95	244.44	-89.77	-3,201.86	-1,030.49	647.55	337.60	309.95	2.089		
9,400.00	7,076.83	7,051.83	7,051.83	70.09	244.46	-89.83	-3,201.86	-1,030.49	592.44	279.19	313.25	1.891		
9,500.00	7,077.35	7,052.35	7,052.35	72.30	244.47	-89.89	-3,201.86	-1,030.49	550.14	233.66	316.48	1.738		
9,600.00	7,077.87	7,052.87	7,052.87	74.57	244.49	-89.95	-3,201.86	-1,030.49	523.76	204.74	319.02	1.642		
9,691.67	7,078.35	7,053.35	7,053.35	76.69	244.51	-90.00	-3,201.86	-1,030.49	515.67	195.50	320.18	1.611	CC, ES, SF	
9,700.00	7,078.40	7,053.40	7,053.40	76.88	244.51	-90.00	-3,201.86	-1,030.49	515.74	195.53	320.21	1.611		
9,800.00	7,078.92	7,053.92	7,053.92	79.24	244.53	-90.06	-3,201.86	-1,030.49	526.93	207.16	319.76	1.648		
9,900.00	7,079.44	7,054.44	7,054.44	81.63	244.55	-90.12	-3,201.86	-1,030.49	556.17	238.24	317.93	1.749		
10,000.00	7,079.97	7,054.97	7,054.97	84.06	244.57	-90.18	-3,201.86	-1,030.49	600.82	285.52	315.30	1.906		
10,100.00	7,080.49	7,055.49	7,055.49	86.52	244.58	-90.24	-3,201.86	-1,030.49	657.76	345.30	312.46	2.105		
10,200.00	7,081.01	7,056.01	7,056.01	89.01	244.60	-90.30	-3,201.86	-1,030.49	724.10	414.32	309.78	2.337		
10,300.00	7,081.54	7,056.54	7,056.54	91.52	244.62	-90.35	-3,201.86	-1,030.49	797.48	490.07	307.42	2.594		
10,400.00	7,082.06	7,057.06	7,057.06	94.05	244.64	-90.41	-3,201.86	-1,030.49	876.15	570.73	305.42	2.869		
10,500.00	7,082.58	7,057.58	7,057.58	96.61	244.66	-90.47	-3,201.86	-1,030.49	958.80	655.05	303.75	3.157		
10,600.00	7,083.10	7,058.10	7,058.10	99.18	244.68	-90.53	-3,201.86	-1,030.49	1,044.49	742.11	302.38	3.454		
10,700.00	7,083.63	7,058.63	7,058.63	101.77	244.69	-90.59	-3,201.86	-1,030.49	1,132.53	831.28	301.25	3.759		
10,800.00	7,084.15	7,059.15	7,059.15	104.38	244.71	-90.64	-3,201.86	-1,030.49	1,222.41	922.10	300.31	4.070		
10,900.00	7,084.67	7,059.67	7,059.67	107.00	244.73	-90.70	-3,201.86	-1,030.49	1,313.75	1,014.22	299.54	4.386		
11,000.00	7,085.20	7,060.20	7,060.20	109.63	244.75	-90.76	-3,201.86	-1,030.49	1,406.27	1,107.39	298.89	4.705		
11,100.00	7,085.72	7,060.72	7,060.72	112.27	244.77	-90.82	-3,201.86	-1,030.49	1,499.75	1,201.41	298.35	5.027		
11,200.00	7,086.24	7,061.24	7,061.24	114.93	244.78	-90.88	-3,201.86	-1,030.49	1,594.03	1,296.14	297.89	5.351		
11,300.00	7,086.77	7,061.77	7,061.77	117.59	244.80	-90.93	-3,201.86	-1,030.49	1,688.96	1,391.46	297.50	5.677		
11,400.00	7,087.29	7,062.29	7,062.29	120.27	244.82	-90.99	-3,201.86	-1,030.49	1,784.44	1,487.27	297.18	6.005		
11,500.00	7,087.81	7,062.81	7,062.81	122.95	244.84	-91.05	-3,201.86	-1,030.49	1,880.40	1,583.50	296.90	6.333		
11,600.00	7,088.33	7,063.33	7,063.33	125.64	244.86	-91.11	-3,201.86	-1,030.49	1,976.75	1,680.09	296.66	6.663		
11,700.00	7,088.86	7,063.86	7,063.86	128.34	244.88	-91.17	-3,201.86	-1,030.49	2,073.45	1,777.00	296.46	6.994		
11,800.00	7,089.38	7,064.38	7,064.38	131.05	244.89	-91.23	-3,201.86	-1,030.49	2,170.45	1,874.17	296.28	7.326		
11,900.00	7,089.90	7,064.90	7,064.90	133.76	244.91	-91.28	-3,201.86	-1,030.49	2,267.71	1,971.58	296.13	7.658		
12,000.00	7,090.43	7,065.43	7,065.43	136.49	244.93	-91.34	-3,201.86	-1,030.49	2,365.20	2,069.20	296.00	7.990		
12,100.00	7,090.95	7,065.95	7,065.95	139.21	244.95	-91.40	-3,201.86	-1,030.49	2,462.89	2,167.00	295.89	8.324		
12,200.00	7,091.47	7,066.47	7,066.47	141.94	244.97	-91.46	-3,201.86	-1,030.49	2,560.76	2,264.96	295.80	8.657		
12,300.00	7,092.00	7,067.00	7,067.00	144.68	244.99	-91.52	-3,201.86	-1,030.49	2,658.78	2,363.06	295.72	8.991		
12,400.00	7,092.52	7,067.52	7,067.52	147.42	245.00	-91.57	-3,201.86	-1,030.49	2,756.95	2,461.30	295.66	9.325		
12,500.00	7,093.04	7,068.04	7,068.04	150.17	245.02	-91.63	-3,201.86	-1,030.49	2,855.25	2,559.65	295.60	9.659		
12,600.00	7,093.57	7,068.57	7,068.57	152.92	245.04	-91.69	-3,201.86	-1,030.49	2,953.66	2,658.10	295.55	9.994		
12,700.00	7,094.09	7,069.09	7,069.09	155.67	245.06	-91.75	-3,201.86	-1,030.49	3,052.17	2,756.65	295.52	10.328		
12,800.00	7,094.61	7,069.61	7,069.61	158.43	245.08	-91.81	-3,201.86	-1,030.49	3,150.78	2,855.29	295.49	10.663		
12,900.00	7,095.13	7,070.13	7,070.13	161.19	245.10	-91.86	-3,201.86	-1,030.49	3,249.47	2,954.00	295.47	10.998		
13,000.00	7,095.66	7,070.66	7,070.66	163.96	245.11	-91.92	-3,201.86	-1,030.49	3,348.24	3,052.78	295.45	11.333		
13,100.00	7,096.18	7,071.18	7,071.18	166.73	245.13	-91.98	-3,201.86	-1,030.49	3,447.08	3,151.63	295.44	11.668		
13,200.00	7,096.70	7,071.70	7,071.70	169.50	245.15	-92.04	-3,201.86	-1,030.49	3,545.98	3,250.54	295.44	12.002		
13,256.62	7,097.00	7,072.00	7,072.00	171.07	245.16	-92.07	-3,201.86	-1,030.49	3,602.00	3,306.57	295.44	12.192		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-87.28	396.68	-8,359.54	8,368.94						
100.00	100.00	104.00	96.00	3.28	3.78	-87.28	396.68	-8,359.54	8,368.94	8,361.88	7.07	1,184.089			
200.00	200.00	204.00	196.00	3.34	6.30	-87.28	396.68	-8,359.54	8,368.94	8,359.31	9.63	868.620			
300.00	300.00	304.00	296.00	3.44	9.45	-87.28	396.68	-8,359.54	8,368.94	8,356.04	12.90	648.793			
400.00	399.98	404.02	395.98	3.60	12.79	119.22	396.68	-8,359.54	8,369.80	8,353.41	16.38	510.902			
500.00	499.84	504.16	495.84	3.79	16.19	119.21	396.68	-8,359.54	8,372.35	8,352.38	19.98	419.117			
600.00	599.45	604.55	595.45	4.02	19.64	119.19	396.68	-8,359.54	8,376.62	8,352.96	23.65	354.146			
700.00	698.70	705.30	694.70	4.29	23.11	119.15	396.68	-8,359.54	8,382.59	8,355.19	27.40	305.950			
800.00	797.47	806.53	793.47	4.59	26.61	119.11	396.68	-8,359.54	8,390.28	8,359.07	31.21	268.859			
900.00	895.62	908.38	891.62	4.93	30.14	119.06	396.68	-8,359.54	8,399.69	8,364.61	35.08	239.469			
1,000.00	993.06	989.06	989.06	5.31	32.95	118.99	396.68	-8,359.54	8,410.82	8,372.58	38.25	219.910			
1,100.00	1,089.64	1,085.64	1,085.64	5.72	36.30	118.92	396.68	-8,359.54	8,423.69	8,381.68	42.00	200.549			
1,200.00	1,185.27	1,181.27	1,181.27	6.16	39.63	118.83	396.68	-8,359.54	8,438.29	8,392.53	45.76	184.407			
1,300.00	1,279.82	1,275.82	1,275.82	6.64	42.92	118.72	396.68	-8,359.54	8,454.65	8,405.14	49.51	170.766			
1,400.00	1,373.17	1,369.17	1,369.17	7.16	46.17	118.60	396.68	-8,359.54	8,472.75	8,419.50	53.25	159.106			
1,500.00	1,465.21	1,461.21	1,461.21	7.71	49.37	118.46	396.68	-8,359.54	8,492.63	8,435.64	56.98	149.040			
1,600.00	1,555.84	1,551.84	1,551.84	8.31	52.53	118.30	396.68	-8,359.54	8,514.27	8,453.57	60.70	140.276			
1,613.50	1,567.96	1,563.96	1,563.96	8.39	52.95	118.28	396.68	-8,359.54	8,517.33	8,456.13	61.20	139.177			
1,700.00	1,645.53	1,641.53	1,641.53	8.93	55.66	118.49	396.68	-8,359.54	8,537.09	8,472.68	64.40	132.555			
1,800.00	1,735.20	1,731.20	1,731.20	9.58	58.78	118.73	396.68	-8,359.54	8,560.09	8,491.96	68.13	125.649			
1,900.00	1,824.87	1,820.87	1,820.87	10.25	61.91	118.97	396.68	-8,359.54	8,583.26	8,511.40	71.86	119.440			
2,000.00	1,914.54	1,910.54	1,910.54	10.92	65.03	119.21	396.68	-8,359.54	8,606.59	8,530.98	75.61	113.831			
2,100.00	2,004.21	2,000.21	2,000.21	11.61	68.16	119.44	396.68	-8,359.54	8,630.09	8,550.72	79.36	108.741			
2,200.00	2,093.89	2,089.89	2,089.89	12.30	71.29	119.68	396.68	-8,359.54	8,653.75	8,570.62	83.12	104.105			
2,300.00	2,183.56	2,179.56	2,179.56	13.01	74.42	119.91	396.68	-8,359.54	8,677.57	8,590.68	86.89	99.866			
2,400.00	2,273.23	2,269.23	2,269.23	13.71	77.54	120.15	396.68	-8,359.54	8,701.55	8,610.89	90.66	95.977			
2,500.00	2,362.90	2,358.90	2,358.90	14.43	80.67	120.38	396.68	-8,359.54	8,725.69	8,631.25	94.44	92.396			
2,600.00	2,452.57	2,448.57	2,448.57	15.14	83.80	120.61	396.68	-8,359.54	8,749.99	8,651.77	98.22	89.089			
2,700.00	2,542.25	2,538.25	2,538.25	15.87	86.93	120.84	396.68	-8,359.54	8,774.44	8,672.44	102.00	86.027			
2,800.00	2,631.92	2,627.92	2,627.92	16.59	90.06	121.07	396.68	-8,359.54	8,799.05	8,693.27	105.78	83.184			
2,900.00	2,721.59	2,717.59	2,717.59	17.32	93.18	121.30	396.68	-8,359.54	8,823.81	8,714.24	109.56	80.537			
3,000.00	2,811.26	2,807.26	2,807.26	18.05	96.31	121.52	396.68	-8,359.54	8,848.72	8,735.37	113.35	78.068			
3,100.00	2,900.93	2,896.93	2,896.93	18.78	99.65	121.75	396.68	-8,359.54	8,873.78	8,756.44	117.35	75.621			
3,200.00	2,990.60	2,986.60	2,986.60	19.51	102.57	121.97	396.68	-8,359.54	8,899.00	8,778.08	120.92	73.595			
3,300.00	3,080.28	3,076.28	3,076.28	20.25	105.70	122.20	396.68	-8,359.54	8,924.36	8,799.65	124.70	71.564			
3,400.00	3,169.95	3,165.95	3,165.95	20.99	108.83	122.42	396.68	-8,359.54	8,949.87	8,821.38	128.49	69.654			
3,500.00	3,259.62	3,255.62	3,255.62	21.73	111.96	122.64	396.68	-8,359.54	8,975.52	8,843.25	132.28	67.854			
3,600.00	3,349.29	3,345.29	3,345.29	22.47	115.09	122.86	396.68	-8,359.54	9,001.32	8,865.26	136.06	66.156			
3,700.00	3,438.96	3,434.96	3,434.96	23.21	118.21	123.08	396.68	-8,359.54	9,027.26	8,887.41	139.85	64.551			
3,800.00	3,528.64	3,524.64	3,524.64	23.95	121.34	123.30	396.68	-8,359.54	9,053.35	8,909.71	143.63	63.031			
3,900.00	3,618.31	3,614.31	3,614.31	24.69	124.47	123.52	396.68	-8,359.54	9,079.57	8,932.15	147.42	61.591			
4,000.00	3,707.98	3,703.98	3,703.98	25.44	127.60	123.73	396.68	-8,359.54	9,105.94	8,954.73	151.20	60.224			
4,100.00	3,797.65	3,793.65	3,793.65	26.18	131.18	123.95	396.68	-8,359.54	9,132.44	8,977.01	155.43	58.757			
4,200.00	3,887.32	3,883.32	3,883.32	26.93	133.86	124.16	396.68	-8,359.54	9,159.08	9,000.31	158.77	57.689			
4,300.00	3,976.99	3,972.99	3,972.99	27.68	136.99	124.37	396.68	-8,359.54	9,185.86	9,023.31	162.55	56.511			
4,400.00	4,066.67	4,062.67	4,062.67	28.42	140.12	124.58	396.68	-8,359.54	9,212.77	9,046.44	166.33	55.388			
4,500.00	4,156.34	4,152.34	4,152.34	29.17	143.25	124.80	396.68	-8,359.54	9,239.81	9,069.70	170.11	54.317			
4,600.00	4,246.01	4,242.01	4,242.01	29.92	146.38	125.00	396.68	-8,359.54	9,266.99	9,093.10	173.89	53.292			
4,700.00	4,335.68	4,331.68	4,331.68	30.67	149.51	125.21	396.68	-8,359.54	9,294.30	9,116.63	177.67	52.313			
4,800.00	4,425.35	4,421.35	4,421.35	31.42	152.64	125.42	396.68	-8,359.54	9,321.73	9,140.29	181.45	51.375			
4,900.00	4,515.03	4,511.03	4,511.03	32.17	155.77	125.63	396.68	-8,359.54	9,349.30	9,164.08	185.22	50.476			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,604.70	4,600.70	4,600.70	32.92	158.90	125.83	396.68	-8,359.54	9,377.00	9,188.00	189.00	49.615			
5,100.00	4,694.37	4,709.63	4,690.37	33.67	162.70	126.04	396.68	-8,359.54	9,404.82	9,211.38	193.44	48.618			
5,200.00	4,784.04	4,780.04	4,780.04	34.42	165.16	126.24	396.68	-8,359.54	9,432.77	9,236.22	196.54	47.993			
5,300.00	4,873.71	4,869.71	4,869.71	35.17	168.29	126.44	396.68	-8,359.54	9,460.84	9,260.52	200.32	47.230			
5,400.00	4,963.38	4,959.38	4,959.38	35.92	171.42	126.64	396.68	-8,359.54	9,489.04	9,284.95	204.09	46.495			
5,500.00	5,053.06	5,049.06	5,049.06	36.67	174.55	126.84	396.68	-8,359.54	9,517.35	9,309.50	207.86	45.788			
5,600.00	5,142.73	5,138.73	5,138.73	37.43	177.68	127.04	396.68	-8,359.54	9,545.79	9,334.17	211.63	45.107			
5,700.00	5,232.40	5,228.40	5,228.40	38.18	180.81	127.24	396.68	-8,359.54	9,574.35	9,358.96	215.39	44.450			
5,800.00	5,322.07	5,318.07	5,318.07	38.93	183.94	127.44	396.68	-8,359.54	9,603.03	9,383.87	219.16	43.817			
5,900.00	5,411.74	5,407.74	5,407.74	39.68	187.07	127.63	396.68	-8,359.54	9,631.83	9,408.90	222.93	43.206			
6,000.00	5,501.42	5,502.58	5,497.42	40.44	190.38	127.83	396.68	-8,359.54	9,660.74	9,433.87	226.87	42.583			
6,100.00	5,591.09	5,587.09	5,587.09	41.19	193.33	128.02	396.68	-8,359.54	9,689.77	9,459.32	230.45	42.047			
6,200.00	5,680.76	5,676.76	5,676.76	41.94	196.46	128.21	396.68	-8,359.54	9,718.91	9,484.70	234.22	41.496			
6,300.00	5,770.43	5,766.43	5,766.43	42.70	199.59	128.40	396.68	-8,359.54	9,748.17	9,510.19	237.98	40.963			
6,400.00	5,860.10	5,856.10	5,856.10	43.45	202.72	128.59	396.68	-8,359.54	9,777.54	9,535.81	241.74	40.447			
6,500.00	5,949.77	5,945.77	5,945.77	44.20	205.85	128.78	396.68	-8,359.54	9,807.02	9,561.53	245.50	39.948			
6,600.00	6,039.45	6,035.45	6,035.45	44.96	208.98	128.97	396.68	-8,359.54	9,836.62	9,587.36	249.25	39.464			
6,700.00	6,129.12	6,125.12	6,125.12	45.71	212.11	129.16	396.68	-8,359.54	9,866.32	9,613.31	253.01	38.996			
6,800.00	6,218.79	6,214.79	6,214.79	46.46	215.24	129.35	396.68	-8,359.54	9,896.13	9,639.37	256.77	38.542			
6,900.00	6,308.46	6,304.46	6,304.46	47.22	218.37	129.53	396.68	-8,359.54	9,926.05	9,665.53	260.52	38.101			
6,969.86	6,371.11	6,367.11	6,367.11	47.75	220.56	129.66	396.68	-8,359.54	9,947.02	9,683.88	263.14	37.801			
7,000.00	6,398.25	6,405.75	6,394.25	47.97	221.90	124.29	396.68	-8,359.54	9,955.42	9,690.74	264.68	37.614			
7,050.00	6,443.70	6,439.70	6,439.70	48.31	223.09	114.63	396.68	-8,359.54	9,966.44	9,700.28	266.16	37.446			
7,100.00	6,489.42	6,485.42	6,485.42	48.61	224.68	104.45	396.68	-8,359.54	9,973.76	9,705.73	268.03	37.211			
7,150.00	6,535.12	6,531.12	6,531.12	48.87	226.28	94.39	396.68	-8,359.54	9,977.36	9,707.48	269.88	36.970			
7,200.00	6,580.53	6,576.53	6,576.53	49.09	227.87	85.09	396.68	-8,359.54	9,977.20	9,705.52	271.68	36.724			
7,250.00	6,625.36	6,621.36	6,621.36	49.27	229.43	76.98	396.68	-8,359.54	9,973.30	9,699.87	273.43	36.475			
7,300.00	6,669.35	6,665.35	6,665.35	49.42	230.97	70.20	396.68	-8,359.54	9,965.69	9,690.59	275.11	36.225			
7,350.00	6,712.21	6,708.21	6,708.21	49.55	232.46	64.72	396.68	-8,359.54	9,954.42	9,677.71	276.71	35.975			
7,400.00	6,753.69	6,749.69	6,749.69	49.65	233.91	60.40	396.68	-8,359.54	9,939.56	9,661.34	278.22	35.725			
7,450.00	6,793.52	6,789.52	6,789.52	49.73	235.30	57.07	396.68	-8,359.54	9,921.21	9,641.56	279.65	35.478			
7,500.00	6,831.47	6,827.47	6,827.47	49.81	236.62	54.60	396.68	-8,359.54	9,899.48	9,618.50	280.98	35.232			
7,550.00	6,867.30	6,863.30	6,863.30	49.88	237.88	52.87	396.68	-8,359.54	9,874.50	9,592.29	282.21	34.990			
7,600.00	6,900.78	6,903.22	6,896.78	49.95	239.27	51.82	396.68	-8,359.54	9,846.44	9,562.88	283.56	34.724			
7,650.00	6,931.72	6,927.72	6,927.72	50.03	240.12	51.39	396.68	-8,359.54	9,815.46	9,531.10	284.36	34.517			
7,700.00	6,959.92	6,955.92	6,955.92	50.11	241.11	51.59	396.68	-8,359.54	9,781.76	9,496.48	285.28	34.288			
7,750.00	6,985.20	6,981.20	6,981.20	50.20	241.99	52.43	396.68	-8,359.54	9,745.53	9,459.44	286.09	34.065			
7,800.00	7,007.41	7,003.41	7,003.41	50.30	242.77	54.00	396.68	-8,359.54	9,707.01	9,420.21	286.79	33.847			
7,850.00	7,026.42	7,022.42	7,022.42	50.42	243.43	56.41	396.68	-8,359.54	9,666.41	9,379.03	287.38	33.636			
7,900.00	7,042.11	7,038.11	7,038.11	50.57	243.98	59.85	396.68	-8,359.54	9,623.99	9,336.12	287.87	33.432			
7,950.00	7,054.37	7,050.37	7,050.37	50.73	244.41	64.59	396.68	-8,359.54	9,580.00	9,291.76	288.24	33.236			
8,000.00	7,063.14	7,059.14	7,059.14	50.92	244.71	71.02	396.68	-8,359.54	9,534.71	9,246.21	288.50	33.049			
8,050.00	7,068.36	7,064.36	7,064.36	51.13	244.89	79.55	396.68	-8,359.54	9,488.38	9,199.73	288.65	32.871			
8,094.17	7,070.00	7,066.00	7,066.00	51.34	244.95	89.13	396.68	-8,359.54	9,446.83	9,158.13	288.70	32.722			
8,100.00	7,070.03	7,066.03	7,066.03	51.37	244.95	89.13	396.68	-8,359.54	9,441.31	9,152.62	288.70	32.703			
8,200.00	7,070.55	7,066.55	7,066.55	51.94	244.97	89.14	396.68	-8,359.54	9,346.77	9,058.07	288.71	32.375			
8,300.00	7,071.07	7,067.07	7,067.07	52.64	244.99	89.15	396.68	-8,359.54	9,252.35	8,963.61	288.74	32.044			
8,400.00	7,071.60	7,067.60	7,067.60	53.49	245.01	89.16	396.68	-8,359.54	9,158.04	8,869.24	288.80	31.710			
8,500.00	7,072.12	7,068.12	7,068.12	54.50	245.02	89.16	396.68	-8,359.54	9,063.86	8,774.97	288.89	31.375			
8,600.00	7,072.64	7,068.64	7,068.64	55.69	245.04	89.17	396.68	-8,359.54	8,969.80	8,680.79	289.01	31.036			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,073.17	7,069.17	7,069.17	57.04	245.06	89.18	396.68	-8,359.54	8,875.87	8,586.72	289.16	30.696		
8,800.00	7,073.69	7,069.69	7,069.69	58.55	245.08	89.19	396.68	-8,359.54	8,782.08	8,492.74	289.33	30.353		
8,900.00	7,074.21	7,070.21	7,070.21	60.21	245.10	89.20	396.68	-8,359.54	8,688.42	8,398.87	289.55	30.007		
9,000.00	7,074.74	7,070.74	7,070.74	61.99	245.12	89.21	396.68	-8,359.54	8,594.91	8,305.11	289.79	29.659		
9,100.00	7,075.26	7,071.26	7,071.26	63.88	245.13	89.22	396.68	-8,359.54	8,501.54	8,211.46	290.08	29.308		
9,200.00	7,075.78	7,071.78	7,071.78	65.87	245.15	89.23	396.68	-8,359.54	8,408.33	8,117.93	290.40	28.954		
9,300.00	7,076.30	7,072.30	7,072.30	67.95	245.17	89.24	396.68	-8,359.54	8,315.27	8,024.51	290.77	28.598		
9,400.00	7,076.83	7,072.83	7,072.83	70.09	245.19	89.25	396.68	-8,359.54	8,222.38	7,931.21	291.17	28.239		
9,500.00	7,077.35	7,073.35	7,073.35	72.30	245.21	89.26	396.68	-8,359.54	8,129.66	7,838.04	291.62	27.878		
9,600.00	7,077.87	7,073.87	7,073.87	74.57	245.23	89.27	396.68	-8,359.54	8,037.11	7,745.00	292.11	27.514		
9,700.00	7,078.40	7,074.40	7,074.40	76.88	245.24	89.28	396.68	-8,359.54	7,944.74	7,652.09	292.65	27.148		
9,800.00	7,078.92	7,074.92	7,074.92	79.24	245.26	89.29	396.68	-8,359.54	7,852.56	7,559.32	293.24	26.779		
9,900.00	7,079.44	7,075.44	7,075.44	81.63	245.28	89.30	396.68	-8,359.54	7,760.57	7,466.70	293.87	26.408		
10,000.00	7,079.97	7,075.97	7,075.97	84.06	245.30	89.31	396.68	-8,359.54	7,668.78	7,374.22	294.56	26.035		
10,100.00	7,080.49	7,076.49	7,076.49	86.52	245.32	89.32	396.68	-8,359.54	7,577.20	7,281.90	295.30	25.659		
10,200.00	7,081.01	7,077.01	7,077.01	89.01	245.34	89.33	396.68	-8,359.54	7,485.84	7,189.74	296.09	25.282		
10,300.00	7,081.54	7,077.54	7,077.54	91.52	245.35	89.34	396.68	-8,359.54	7,394.70	7,097.75	296.94	24.903		
10,400.00	7,082.06	7,078.06	7,078.06	94.05	245.37	89.35	396.68	-8,359.54	7,303.79	7,005.94	297.85	24.522		
10,500.00	7,082.58	7,078.58	7,078.58	96.61	245.39	89.36	396.68	-8,359.54	7,213.12	6,914.30	298.82	24.139		
10,600.00	7,083.10	7,079.10	7,079.10	99.18	245.41	89.37	396.68	-8,359.54	7,122.70	6,822.86	299.84	23.755		
10,700.00	7,083.63	7,079.63	7,079.63	101.77	245.43	89.38	396.68	-8,359.54	7,032.54	6,731.61	300.93	23.369		
10,800.00	7,084.15	7,080.15	7,080.15	104.38	245.44	89.39	396.68	-8,359.54	6,942.65	6,640.57	302.08	22.983		
10,900.00	7,084.67	7,080.67	7,080.67	107.00	245.46	89.40	396.68	-8,359.54	6,853.04	6,549.75	303.29	22.596		
11,000.00	7,085.20	7,081.20	7,081.20	109.63	245.48	89.41	396.68	-8,359.54	6,763.72	6,459.15	304.57	22.207		
11,100.00	7,085.72	7,081.72	7,081.72	112.27	245.50	89.42	396.68	-8,359.54	6,674.71	6,368.79	305.92	21.819		
11,200.00	7,086.24	7,082.24	7,082.24	114.93	245.52	89.43	396.68	-8,359.54	6,586.01	6,278.68	307.33	21.430		
11,300.00	7,086.77	7,082.77	7,082.77	117.59	245.54	89.44	396.68	-8,359.54	6,497.63	6,188.82	308.81	21.041		
11,400.00	7,087.29	7,083.29	7,083.29	120.27	245.55	89.45	396.68	-8,359.54	6,409.60	6,099.23	310.37	20.652		
11,500.00	7,087.81	7,083.81	7,083.81	122.95	245.57	89.46	396.68	-8,359.54	6,321.93	6,009.93	312.00	20.263		
11,600.00	7,088.33	7,084.33	7,084.33	125.64	245.59	89.47	396.68	-8,359.54	6,234.63	5,920.93	313.70	19.875		
11,700.00	7,088.86	7,084.86	7,084.86	128.34	245.61	89.48	396.68	-8,359.54	6,147.71	5,832.23	315.48	19.487		
11,800.00	7,089.38	7,085.38	7,085.38	131.05	245.63	89.49	396.68	-8,359.54	6,061.19	5,743.86	317.33	19.101		
11,900.00	7,089.90	7,085.90	7,085.90	133.76	245.65	89.50	396.68	-8,359.54	5,975.10	5,655.84	319.27	18.715		
12,000.00	7,090.43	7,086.43	7,086.43	136.49	245.66	89.51	396.68	-8,359.54	5,889.45	5,568.17	321.28	18.331		
12,100.00	7,090.95	7,086.95	7,086.95	139.21	245.68	89.52	396.68	-8,359.54	5,804.25	5,480.88	323.38	17.949		
12,200.00	7,091.47	7,087.47	7,087.47	141.94	245.70	89.53	396.68	-8,359.54	5,719.54	5,393.98	325.56	17.568		
12,300.00	7,092.00	7,088.00	7,088.00	144.68	245.72	89.54	396.68	-8,359.54	5,635.33	5,307.50	327.83	17.190		
12,400.00	7,092.52	7,088.52	7,088.52	147.42	245.74	89.55	396.68	-8,359.54	5,551.64	5,221.46	330.18	16.814		
12,500.00	7,093.04	7,089.04	7,089.04	150.17	245.76	89.56	396.68	-8,359.54	5,468.49	5,135.87	332.63	16.440		
12,600.00	7,093.57	7,089.57	7,089.57	152.92	245.77	89.57	396.68	-8,359.54	5,385.93	5,050.76	335.16	16.070		
12,700.00	7,094.09	7,109.91	7,090.09	155.67	246.48	89.58	396.68	-8,359.54	5,303.96	4,965.47	338.49	15.670		
12,800.00	7,094.61	7,109.39	7,090.61	158.43	246.47	89.59	396.68	-8,359.54	5,222.62	4,881.44	341.17	15.308		
12,900.00	7,095.13	7,108.87	7,091.13	161.19	246.45	89.60	396.68	-8,359.54	5,141.93	4,797.97	343.96	14.949		
13,000.00	7,095.66	7,108.34	7,091.66	163.96	246.43	89.61	396.68	-8,359.54	5,061.94	4,715.09	346.85	14.594		
13,100.00	7,096.18	7,107.82	7,092.18	166.73	246.41	89.62	396.68	-8,359.54	4,982.67	4,632.83	349.84	14.243		
13,200.00	7,096.70	7,107.30	7,092.70	169.50	246.39	89.62	396.68	-8,359.54	4,904.16	4,551.23	352.93	13.896		
13,256.62	7,097.00	7,107.00	7,093.00	171.07	246.38	89.63	396.68	-8,359.54	4,860.05	4,505.33	354.72	13.701 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	30.14	1,652.14	959.10	1,910.56					
100.00	100.00	66.19	66.19	3.28	3.28	30.13	1,652.31	959.01	1,910.46	1,903.90	6.57	290.880 CC		
200.00	200.00	170.98	170.98	3.34	3.32	30.11	1,652.96	958.51	1,910.77	1,904.11	6.66	286.978		
300.00	300.00	274.05	274.05	3.44	3.42	30.09	1,653.20	957.92	1,910.68	1,903.81	6.86	278.406		
305.56	305.56	279.61	279.60	3.45	3.42	-123.40	1,653.20	957.91	1,910.67	1,903.80	6.88	277.840 ES		
400.00	399.98	370.18	370.17	3.60	3.56	-123.43	1,653.27	957.75	1,911.61	1,904.46	7.15	267.320		
500.00	499.84	468.53	468.52	3.79	3.74	-123.52	1,653.54	957.58	1,914.66	1,907.14	7.52	254.488		
600.00	599.45	571.94	571.93	4.02	3.97	-123.67	1,653.70	957.53	1,919.60	1,911.61	7.99	240.353		
700.00	698.70	670.94	670.93	4.29	4.22	-123.85	1,653.64	957.52	1,926.35	1,917.84	8.51	226.393		
800.00	797.47	764.85	764.85	4.59	4.49	-124.07	1,653.77	957.47	1,935.26	1,926.18	9.08	213.226		
900.00	895.62	862.60	862.59	4.93	4.78	-124.34	1,654.05	957.56	1,946.42	1,936.72	9.71	200.547		
1,000.00	993.06	965.24	965.24	5.31	5.11	-124.68	1,654.09	957.81	1,959.54	1,949.14	10.40	188.466		
1,100.00	1,089.64	1,067.38	1,067.38	5.72	5.45	-125.07	1,653.89	957.84	1,974.53	1,963.40	11.13	177.395		
1,200.00	1,185.27	1,162.61	1,162.60	6.16	5.78	-125.45	1,653.54	957.84	1,991.58	1,979.70	11.88	167.655		
1,300.00	1,279.82	1,258.57	1,258.56	6.64	6.12	-125.86	1,653.26	957.87	2,011.00	1,998.33	12.67	158.774		
1,400.00	1,373.17	1,352.03	1,352.02	7.16	6.46	-126.28	1,652.81	957.97	2,032.66	2,019.19	13.48	150.824		
1,500.00	1,465.21	1,440.80	1,440.79	7.71	6.79	-126.68	1,652.48	958.14	2,056.87	2,042.57	14.30	143.823		
1,600.00	1,555.84	1,529.99	1,529.98	8.31	7.12	-127.09	1,652.31	958.29	2,083.72	2,068.56	15.16	137.476		
1,613.50	1,567.96	1,542.49	1,542.48	8.39	7.17	-127.16	1,652.29	958.30	2,087.53	2,072.26	15.28	136.632		
1,700.00	1,645.53	1,621.35	1,621.34	8.93	7.47	-127.94	1,652.15	958.29	2,112.30	2,096.26	16.04	131.669		
1,800.00	1,735.20	1,710.02	1,710.01	9.58	7.82	-128.81	1,652.00	958.34	2,141.46	2,124.53	16.93	126.504		
1,900.00	1,824.87	1,806.27	1,806.26	10.25	8.19	-129.72	1,651.64	958.51	2,170.99	2,153.13	17.86	121.574		
2,000.00	1,914.54	1,901.09	1,901.08	10.92	8.56	-130.59	1,651.06	958.59	2,200.76	2,181.97	18.79	117.128		
2,100.00	2,004.21	1,991.81	1,991.79	11.61	8.93	-131.41	1,650.42	958.56	2,230.88	2,211.17	19.71	113.189		
2,200.00	2,093.89	2,082.56	2,082.55	12.30	9.29	-132.20	1,649.76	958.47	2,261.42	2,240.78	20.63	109.596		
2,300.00	2,183.56	2,174.25	2,174.22	13.01	9.66	-133.00	1,649.12	958.17	2,292.33	2,270.76	21.57	106.293		
2,400.00	2,273.23	2,267.36	2,267.33	13.71	10.03	-133.79	1,648.46	957.52	2,323.56	2,301.06	22.51	103.237		
2,500.00	2,362.90	2,357.05	2,357.01	14.43	10.40	-134.54	1,647.78	956.73	2,355.11	2,331.68	23.43	100.506		
2,600.00	2,452.57	2,442.28	2,442.25	15.14	10.74	-135.24	1,647.23	955.97	2,387.15	2,362.82	24.34	98.091		
2,700.00	2,542.25	2,525.05	2,525.01	15.87	11.08	-135.90	1,646.92	955.23	2,419.80	2,394.58	25.23	95.927		
2,800.00	2,631.92	2,607.63	2,607.58	16.59	11.42	-136.54	1,646.86	954.49	2,453.08	2,426.97	26.11	93.944		
2,900.00	2,721.59	2,692.50	2,692.45	17.32	11.77	-137.19	1,646.98	953.82	2,486.92	2,459.91	27.01	92.078		
3,000.00	2,811.26	2,783.53	2,783.48	18.05	12.14	-137.87	1,647.15	953.16	2,521.16	2,493.22	27.94	90.242		
3,100.00	2,900.93	2,874.56	2,874.51	18.78	12.52	-138.53	1,647.26	952.50	2,555.66	2,526.79	28.87	88.536		
3,200.00	2,990.60	2,975.58	2,975.52	19.51	12.93	-139.24	1,647.15	951.86	2,590.29	2,560.44	29.85	86.779		
3,300.00	3,080.28	3,069.03	3,068.98	20.25	13.32	-139.88	1,646.68	951.27	2,624.86	2,594.07	30.79	85.248		
3,400.00	3,169.95	3,154.34	3,154.27	20.99	13.68	-140.45	1,646.28	950.68	2,659.74	2,628.05	31.69	83.942		
3,500.00	3,259.62	3,230.59	3,230.53	21.73	13.99	-140.96	1,646.16	950.09	2,695.16	2,662.63	32.53	82.863		
3,600.00	3,349.29	3,300.00	3,299.93	22.47	14.28	-141.41	1,646.56	949.57	2,731.47	2,698.15	33.32	81.976		
3,700.00	3,438.96	3,378.56	3,378.48	23.21	14.61	-141.90	1,647.43	949.13	2,768.55	2,734.38	34.16	81.035		
3,800.00	3,528.64	3,461.96	3,461.88	23.95	14.96	-142.41	1,648.56	948.86	2,806.11	2,771.07	35.04	80.091		
3,900.00	3,618.31	3,542.96	3,542.87	24.69	15.29	-142.90	1,649.82	948.61	2,844.08	2,808.19	35.89	79.241		
4,000.00	3,707.98	3,623.30	3,623.19	25.44	15.63	-143.36	1,651.31	948.62	2,882.59	2,845.85	36.74	78.458		
4,100.00	3,797.65	3,709.99	3,709.86	26.18	15.99	-143.86	1,653.08	948.58	2,921.44	2,883.82	37.63	77.641		
4,200.00	3,887.32	3,800.18	3,800.04	26.93	16.37	-144.36	1,654.92	948.50	2,960.51	2,921.98	38.54	76.823		
4,300.00	3,976.99	3,914.38	3,914.23	27.68	16.85	-144.98	1,656.78	948.11	2,999.38	2,959.78	39.60	75.743		
4,400.00	4,066.67	4,009.99	4,009.82	28.42	17.25	-145.49	1,657.89	947.42	3,038.00	2,997.45	40.54	74.934		
4,500.00	4,156.34	4,106.01	4,105.83	29.17	17.65	-146.00	1,658.76	946.64	3,076.57	3,035.09	41.49	74.157		
4,600.00	4,246.01	4,195.85	4,195.67	29.92	18.03	-146.45	1,659.47	946.05	3,115.23	3,072.84	42.39	73.486		
4,700.00	4,335.68	4,290.75	4,290.57	30.67	18.43	-146.92	1,660.11	945.49	3,153.96	3,110.63	43.33	72.789		
4,800.00	4,425.35	4,381.85	4,381.66	31.42	18.81	-147.36	1,660.61	944.90	3,192.75	3,148.50	44.24	72.165		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,900.00	4,515.03	4,473.56	4,473.37	32.17	19.20	-147.79	1,661.06	944.42	3,231.64	3,186.48	45.16	71.562		
5,000.00	4,604.70	4,559.28	4,559.09	32.92	19.56	-148.18	1,661.46	944.10	3,270.68	3,224.65	46.03	71.048		
5,100.00	4,694.37	4,650.89	4,650.70	33.67	19.95	-148.59	1,662.00	943.71	3,309.97	3,263.02	46.95	70.501		
5,200.00	4,784.04	4,754.76	4,754.57	34.42	20.38	-149.04	1,662.30	943.34	3,349.14	3,301.19	47.95	69.852		
5,300.00	4,873.71	4,857.07	4,856.87	35.17	20.82	-149.48	1,662.14	942.82	3,388.03	3,339.09	48.93	69.239		
5,400.00	4,963.38	4,957.28	4,957.08	35.92	21.24	-149.90	1,661.68	942.35	3,426.78	3,376.88	49.90	68.667		
5,500.00	5,053.06	5,062.33	5,062.13	36.67	21.68	-150.32	1,660.81	941.93	3,465.34	3,414.43	50.91	68.070		
5,600.00	5,142.73	5,149.08	5,148.87	37.43	22.05	-150.66	1,659.83	941.61	3,503.75	3,451.96	51.79	67.652		
5,700.00	5,232.40	5,241.51	5,241.29	38.18	22.44	-151.01	1,659.04	941.79	3,542.53	3,489.81	52.71	67.206		
5,800.00	5,322.07	5,341.81	5,341.59	38.93	22.86	-151.39	1,657.69	941.79	3,580.95	3,527.26	53.69	66.702		
5,900.00	5,411.74	5,424.01	5,423.78	39.68	23.21	-151.69	1,656.74	941.77	3,619.66	3,565.12	54.54	66.371		
6,000.00	5,501.42	5,519.29	5,519.05	40.44	23.62	-152.03	1,655.58	941.44	3,658.43	3,602.95	55.48	65.947		
6,100.00	5,591.09	5,602.95	5,602.71	41.19	23.97	-152.33	1,654.61	941.06	3,697.35	3,641.02	56.33	65.632		
6,200.00	5,680.76	5,697.92	5,697.67	41.94	24.37	-152.66	1,653.52	940.65	3,736.39	3,679.12	57.27	65.241		
6,300.00	5,770.43	5,782.19	5,781.94	42.70	24.73	-152.95	1,652.56	940.33	3,775.53	3,717.40	58.13	64.947		
6,400.00	5,860.10	5,870.99	5,870.73	43.45	25.11	-153.25	1,651.65	940.05	3,814.87	3,755.84	59.03	64.630		
6,500.00	5,949.77	5,956.53	5,956.26	44.20	25.47	-153.53	1,650.80	939.65	3,854.33	3,794.43	59.90	64.350		
6,600.00	6,039.45	6,035.82	6,035.55	44.96	25.81	-153.79	1,650.16	939.16	3,894.05	3,833.33	60.72	64.131		
6,700.00	6,129.12	6,113.58	6,113.31	45.71	26.14	-154.04	1,649.79	938.53	3,934.17	3,872.64	61.53	63.937		
6,800.00	6,218.79	6,209.89	6,209.62	46.46	26.55	-154.35	1,649.38	937.80	3,974.42	3,911.94	62.48	63.614		
6,900.00	6,308.46	6,292.87	6,292.59	47.22	26.90	-154.60	1,649.04	937.19	4,014.76	3,951.43	63.33	63.398		
6,969.86	6,371.11	6,348.90	6,348.62	47.75	27.14	-154.78	1,648.88	936.77	4,043.08	3,979.18	63.90	63.268		
7,000.00	6,398.25	6,373.00	6,372.72	47.97	27.24	-161.27	1,648.85	936.60	4,055.35	3,991.20	64.15	63.216		
7,050.00	6,443.70	6,415.53	6,415.25	48.31	27.42	-172.83	1,648.83	936.32	4,075.71	4,011.15	64.57	63.124		
7,100.00	6,489.42	6,462.80	6,462.52	48.61	27.62	175.06	1,648.81	936.03	4,095.92	4,030.92	65.01	63.008		
7,150.00	6,535.12	6,510.10	6,509.81	48.87	27.82	163.08	1,648.77	935.77	4,115.84	4,050.40	65.44	62.897		
7,200.00	6,580.53	6,550.74	6,550.46	49.09	28.00	151.87	1,648.76	935.58	4,135.38	4,069.57	65.81	62.834		
7,250.00	6,625.36	6,591.95	6,591.66	49.27	28.17	141.87	1,648.79	935.43	4,154.47	4,088.28	66.20	62.761		
7,300.00	6,669.35	6,636.19	6,635.91	49.42	28.36	133.24	1,648.84	935.28	4,173.00	4,106.40	66.60	62.655		
7,350.00	6,712.21	6,680.30	6,680.02	49.55	28.55	125.93	1,648.88	935.09	4,190.86	4,123.85	67.02	62.532		
7,400.00	6,753.69	6,720.89	6,720.61	49.65	28.72	119.77	1,648.91	934.88	4,208.00	4,140.57	67.42	62.412		
7,450.00	6,793.52	6,758.12	6,757.83	49.73	28.88	114.57	1,648.96	934.68	4,224.38	4,156.56	67.82	62.287		
7,500.00	6,831.47	6,793.58	6,793.29	49.81	29.03	110.20	1,649.03	934.49	4,239.97	4,171.74	68.23	62.142		
7,550.00	6,867.30	6,831.01	6,830.73	49.88	29.19	106.54	1,649.11	934.31	4,254.72	4,186.03	68.68	61.947		
7,600.00	6,900.78	6,866.78	6,866.49	49.95	29.34	103.46	1,649.17	934.22	4,268.57	4,199.41	69.16	61.721		
7,650.00	6,931.72	6,899.69	6,899.40	50.03	29.48	100.84	1,649.21	934.21	4,281.51	4,211.86	69.65	61.468		
7,700.00	6,959.92	6,926.12	6,925.83	50.11	29.59	98.58	1,649.24	934.21	4,293.55	4,223.41	70.15	61.208		
7,750.00	6,985.20	6,949.84	6,949.55	50.20	29.69	96.66	1,649.28	934.19	4,304.68	4,234.01	70.67	60.913		
7,800.00	7,007.41	6,970.73	6,970.44	50.30	29.78	95.03	1,649.32	934.16	4,314.89	4,243.67	71.22	60.582		
7,850.00	7,026.42	6,988.67	6,988.38	50.42	29.86	93.66	1,649.36	934.12	4,324.17	4,252.36	71.81	60.215		
7,900.00	7,042.11	7,003.80	7,003.52	50.57	29.92	92.51	1,649.40	934.08	4,332.51	4,260.07	72.44	59.811		
7,950.00	7,054.37	7,016.34	7,016.05	50.73	29.97	91.58	1,649.43	934.05	4,339.89	4,266.80	73.10	59.372		
8,000.00	7,063.14	7,025.31	7,025.02	50.92	30.01	90.83	1,649.45	934.04	4,346.31	4,272.52	73.78	58.906		
8,050.00	7,068.36	7,030.67	7,030.38	51.13	30.03	90.26	1,649.47	934.03	4,351.74	4,277.25	74.49	58.420		
8,094.17	7,070.00	7,032.38	7,032.10	51.34	30.04	89.89	1,649.47	934.02	4,355.71	4,280.59	75.13	57.977		
8,100.00	7,070.03	7,032.42	7,032.14	51.37	30.04	89.89	1,649.47	934.02	4,356.19	4,280.98	75.21	57.918		
8,200.00	7,070.55	7,033.11	7,032.82	51.94	30.04	89.90	1,649.47	934.02	4,365.56	4,288.82	76.74	56.885		
8,300.00	7,071.07	7,033.79	7,033.51	52.64	30.05	89.91	1,649.47	934.02	4,377.20	4,298.80	78.40	55.835		
8,400.00	7,071.60	7,034.47	7,034.18	53.49	30.05	89.92	1,649.48	934.02	4,391.08	4,310.94	80.15	54.788		
8,500.00	7,072.12	7,035.14	7,034.86	54.50	30.05	89.93	1,649.48	934.02	4,407.19	4,325.21	81.98	53.760		

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

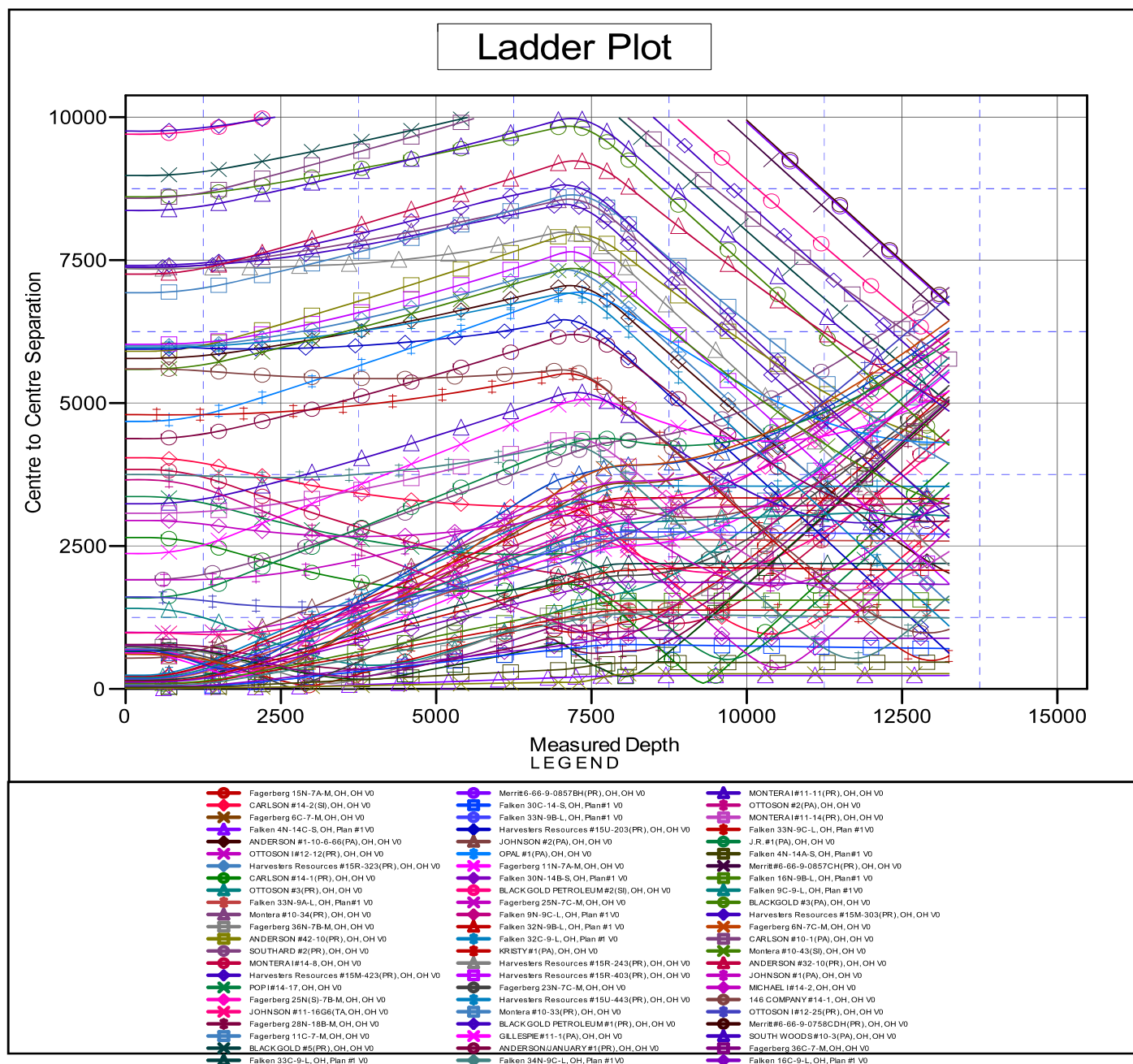
Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	7,072.64	7,035.81	7,035.52	55.69	30.06	89.94	1,649.48	934.02	4,425.50	4,341.63	83.88	52.761		
8,700.00	7,073.17	7,036.47	7,036.19	57.04	30.06	89.95	1,649.48	934.02	4,445.99	4,360.16	85.83	51.801		
8,800.00	7,073.69	7,037.13	7,036.85	58.55	30.06	89.96	1,649.48	934.02	4,468.62	4,380.81	87.81	50.887		
8,900.00	7,074.21	7,037.79	7,037.50	60.21	30.06	89.97	1,649.48	934.02	4,493.36	4,403.54	89.82	50.024		
9,000.00	7,074.74	7,038.44	7,038.15	61.99	30.07	89.97	1,649.49	934.01	4,520.18	4,428.33	91.85	49.213		
9,100.00	7,075.26	7,039.08	7,038.79	63.88	30.07	89.98	1,649.49	934.01	4,549.04	4,455.16	93.88	48.457		
9,200.00	7,075.78	7,039.72	7,039.43	65.87	30.07	89.99	1,649.49	934.01	4,579.90	4,484.00	95.90	47.756		
9,300.00	7,076.30	7,040.36	7,040.07	67.95	30.08	90.00	1,649.49	934.01	4,612.72	4,514.81	97.92	47.109		
9,400.00	7,076.83	7,040.99	7,040.70	70.09	30.08	90.01	1,649.49	934.01	4,647.47	4,547.56	99.91	46.516		
9,500.00	7,077.35	7,041.62	7,041.33	72.30	30.08	90.02	1,649.49	934.01	4,684.09	4,582.21	101.88	45.975		
9,600.00	7,077.87	7,042.24	7,041.95	74.57	30.08	90.02	1,649.49	934.01	4,722.54	4,618.72	103.83	45.484		
9,700.00	7,078.40	7,042.86	7,042.57	76.88	30.09	90.03	1,649.50	934.01	4,762.79	4,657.05	105.74	45.042		
9,800.00	7,078.92	7,043.47	7,043.18	79.24	30.09	90.04	1,649.50	934.01	4,804.78	4,697.16	107.62	44.647		
9,900.00	7,079.44	7,044.08	7,043.79	81.63	30.09	90.05	1,649.50	934.01	4,848.46	4,739.01	109.46	44.295		
10,000.00	7,079.97	7,044.69	7,044.40	84.06	30.09	90.06	1,649.50	934.01	4,893.80	4,782.55	111.26	43.986		
10,100.00	7,080.49	7,045.29	7,045.00	86.52	30.10	90.06	1,649.50	934.01	4,940.75	4,827.74	113.02	43.717		
10,200.00	7,081.01	7,045.89	7,045.60	89.01	30.10	90.07	1,649.50	934.01	4,989.27	4,874.53	114.73	43.486		
10,300.00	7,081.54	7,046.48	7,046.19	91.52	30.10	90.08	1,649.50	934.00	5,039.30	4,922.89	116.40	43.292		
10,400.00	7,082.06	7,047.07	7,046.78	94.05	30.10	90.09	1,649.51	934.00	5,090.80	4,972.77	118.03	43.131		
10,500.00	7,082.58	7,047.65	7,047.37	96.61	30.11	90.10	1,649.51	934.00	5,143.73	5,024.12	119.61	43.003		
10,600.00	7,083.10	7,048.24	7,047.95	99.18	30.11	90.10	1,649.51	934.00	5,198.04	5,076.89	121.15	42.906		
10,700.00	7,083.63	7,048.81	7,048.53	101.77	30.11	90.11	1,649.51	934.00	5,253.70	5,131.06	122.64	42.838		
10,800.00	7,084.15	7,049.39	7,049.10	104.38	30.11	90.12	1,649.51	934.00	5,310.66	5,186.57	124.09	42.797		
10,900.00	7,084.67	7,049.96	7,049.67	107.00	30.12	90.13	1,649.51	934.00	5,368.88	5,243.38	125.49	42.783 SF		
11,000.00	7,085.20	7,050.53	7,050.24	109.63	30.12	90.13	1,649.51	934.00	5,428.31	5,301.46	126.85	42.793		
11,100.00	7,085.72	7,051.09	7,050.80	112.27	30.12	90.14	1,649.52	934.00	5,488.92	5,360.75	128.17	42.826		
11,200.00	7,086.24	7,051.65	7,051.36	114.93	30.12	90.15	1,649.52	934.00	5,550.67	5,421.23	129.44	42.882		
11,300.00	7,086.77	7,052.20	7,051.92	117.59	30.13	90.16	1,649.52	934.00	5,613.53	5,482.85	130.67	42.958		
11,400.00	7,087.29	7,052.76	7,052.47	120.27	30.13	90.16	1,649.52	934.00	5,677.45	5,545.58	131.87	43.054		
11,500.00	7,087.81	7,053.30	7,053.02	122.95	30.13	90.17	1,649.52	934.00	5,742.40	5,609.38	133.02	43.170		
11,600.00	7,088.33	7,053.85	7,053.56	125.64	30.13	90.18	1,649.52	934.00	5,808.34	5,674.21	134.13	43.303		
11,700.00	7,088.86	7,054.39	7,054.10	128.34	30.14	90.18	1,649.52	934.00	5,875.25	5,740.04	135.21	43.453		
11,800.00	7,089.38	7,054.93	7,054.64	131.05	30.14	90.19	1,649.52	934.00	5,943.09	5,806.83	136.25	43.619		
11,900.00	7,089.90	7,055.46	7,055.17	133.76	30.14	90.20	1,649.53	934.00	6,011.82	5,874.56	137.26	43.800		
12,000.00	7,090.43	7,055.99	7,055.71	136.49	30.14	90.21	1,649.53	934.00	6,081.42	5,943.19	138.23	43.996		
12,100.00	7,090.95	7,056.52	7,056.23	139.21	30.14	90.21	1,649.53	934.00	6,151.86	6,012.70	139.17	44.205		
12,200.00	7,091.47	7,057.05	7,056.76	141.94	30.15	90.22	1,649.53	934.00	6,223.11	6,083.04	140.07	44.428		
12,300.00	7,092.00	7,057.57	7,057.28	144.68	30.15	90.23	1,649.53	933.99	6,295.14	6,154.20	140.95	44.663		
12,400.00	7,092.52	7,058.08	7,057.80	147.42	30.15	90.23	1,649.53	933.99	6,367.93	6,226.14	141.79	44.910		
12,500.00	7,093.04	7,058.60	7,058.31	150.17	30.15	90.24	1,649.53	933.99	6,441.45	6,298.84	142.61	45.169		
12,600.00	7,093.57	7,059.11	7,058.82	152.92	30.16	90.25	1,649.53	933.99	6,515.67	6,372.27	143.40	45.438		
12,700.00	7,094.09	7,059.62	7,059.33	155.67	30.16	90.25	1,649.54	933.99	6,590.57	6,446.41	144.16	45.718		
12,800.00	7,094.61	7,060.12	7,059.84	158.43	30.16	90.26	1,649.54	933.99	6,666.14	6,521.24	144.89	46.007		
12,900.00	7,095.13	7,060.62	7,060.34	161.19	30.16	90.27	1,649.54	933.99	6,742.33	6,596.73	145.60	46.306		
13,000.00	7,095.66	7,061.12	7,060.84	163.96	30.16	90.27	1,649.54	933.99	6,819.15	6,672.86	146.29	46.614		
13,100.00	7,096.18	7,061.62	7,061.33	166.73	30.17	90.28	1,649.54	933.99	6,896.56	6,749.60	146.95	46.930		
13,200.00	7,096.70	7,062.11	7,061.82	169.50	30.17	90.29	1,649.54	933.99	6,974.54	6,826.94	147.60	47.254		
13,256.62	7,097.00	7,062.39	7,062.10	171.07	30.17	90.29	1,649.54	933.99	7,018.94	6,870.99	147.95	47.442		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 31N-14B-S
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°



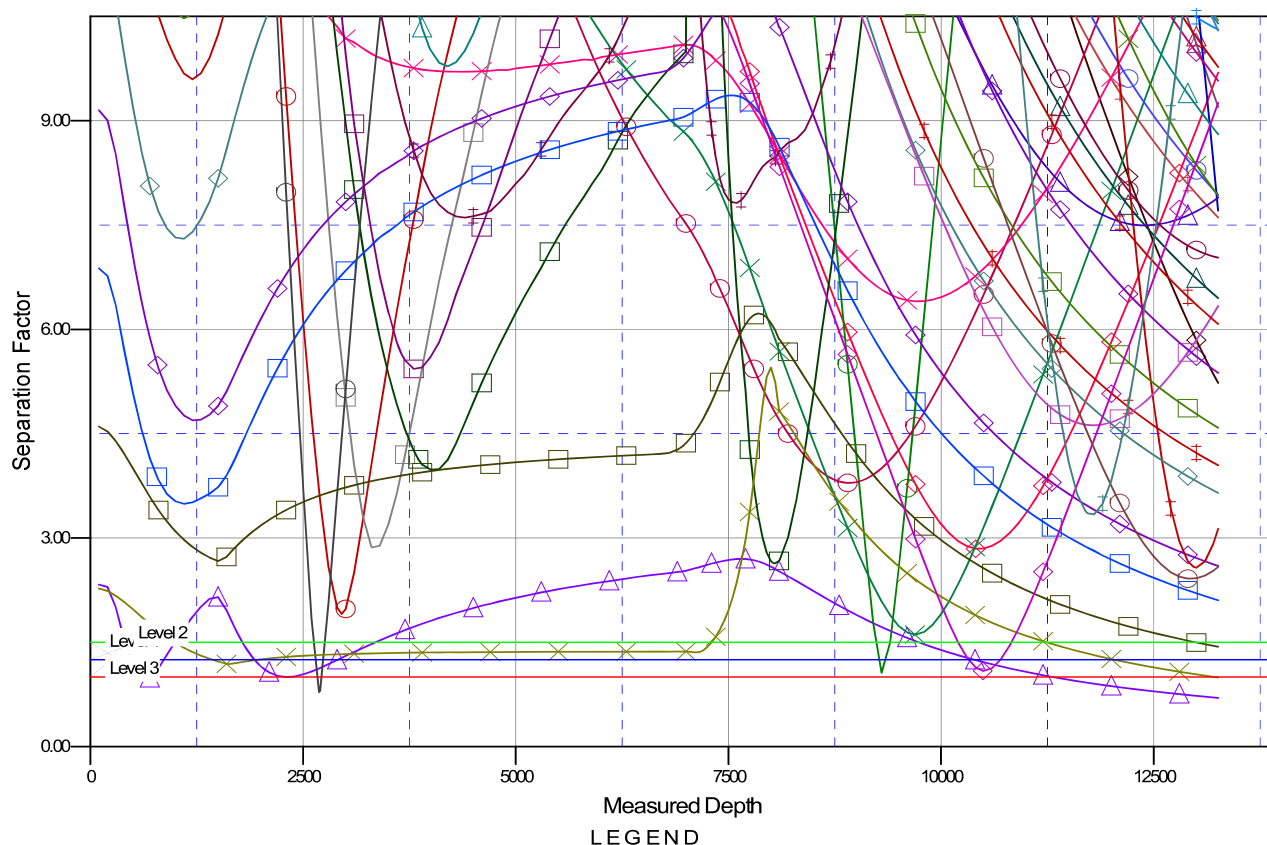
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 31N-14B-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 31N-14B-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 31N-14B-S
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°

Separation Factor Plot



<ul style="list-style-type: none"> Fagerberg 15N-7A-M, OH, OH V0 CARLSON #14-2(S), OH, OH V0 Fagerberg 6C-7-M, OH, OH V0 Falken 4N-14C-S, OH, Plan #1 V0 ANDERSON #11-10-6-66(PA), OH, OH V0 OTTOSON #12-12(PR), OH, OH V0 Harvesters Resources #15R-323(PR), OH, OH V0 CARLSON #14-1(PR), OH, OH V0 OTTOSON #3(PR), OH, OH V0 Falken 33N-9A-L, OH, Plan #1 V0 Montera #10-34(PR), OH, OH V0 Fagerberg 36N-7B-M, OH, OH V0 ANDERSON #42-10(PR), OH, OH V0 SOUTHERN #2(PR), OH, OH V0 MONTERA #14-8, OH, OH V0 Harvesters Resources #15M-423(PR), OH, OH V0 POP #14-17, OH, OH V0 Fagerberg 25N(S)-7B-M, OH, OH V0 JOHNSON #11-16G(TA), OH, OH V0 Fagerberg 28N-18B-M, OH, OH V0 Fagerberg 11C-7-M, OH, OH V0 BLACKGOLD #5(PR), OH, OH V0 Falken 33C-9-L, OH, Plan #1 V0 	<ul style="list-style-type: none"> Merritt 6-66-9-0857BH(PR), OH, OH V0 Falken 30C-14-S, OH, Plan #1 V0 Falken 33N-9B-L, OH, Plan #1 V0 Harvesters Resources #15U-203(PR), OH, OH V0 JOHNSON #2(PA), OH, OH V0 OPAL #1(PA), OH, OH V0 Fagerberg 11N-7A-M, OH, OH V0 Falken 30N-14B-S, OH, Plan #1 V0 BLACKGOLD PETROLEUM #2(S), OH, OH V0 Fagerberg 25N-7C-M, OH, OH V0 Falken 9N-9C-L, OH, Plan #1 V0 Falken 32N-9B-L, OH, Plan #1 V0 Falken 32C-9-L, OH, Plan #1 V0 KRISTY #1(PA), OH, OH V0 Harvesters Resources #15R-243(PR), OH, OH V0 Harvesters Resources #15R-403(PR), OH, OH V0 Fagerberg 23N-7C-M, OH, OH V0 Harvesters Resources #15U-443(PR), OH, OH V0 Montera #10-33(PR), OH, OH V0 BLACKGOLD PETROLEUM #1(PR), OH, OH V0 GILLESPIE #11-1(PA), OH, OH V0 ANDERSON JANUARY #1(PR), OH, OH V0 Falken 34N-9C-L, OH, Plan #1 V0 	<ul style="list-style-type: none"> MONTERA #11-11(PR), OH, OH V0 OTTOSON #2(PA), OH, OH V0 MONTERA #11-14(PR), OH, OH V0 Falken 33N-9C-L, OH, Plan #1 V0 J.R. #1(PA), OH, OH V0 Falken 4N-14A-S, OH, Plan #1 V0 Merritt 6-66-9-0857CH(PR), OH, OH V0 Falken 16N-9B-L, OH, Plan #1 V0 Falken 9C-9-L, OH, Plan #1 V0 BLACKGOLD #3(PA), OH, OH V0 Harvesters Resources #15M-303(PR), OH, OH V0 Fagerberg 6N-7C-M, OH, OH V0 CARLSON #10-1(PA), OH, OH V0 Montera #10-43(S), OH, OH V0 ANDERSON #32-10(PR), OH, OH V0 JOHNSON #1(PA), OH, OH V0 MICHAEL #14-2, OH, OH V0 146 COMPANY #14-1, OH, OH V0 OTTOSON #12-25(PR), OH, OH V0 Merritt 6-66-9-0758CDH(PR), OH, OH V0 SOUTH WOODS #10-3(PA), OH, OH V0 Fagerberg 36C-7-M, OH, OH V0 Falken 16C-9-L, OH, Plan #1 V0
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CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation