



Synergy Resources Corporation

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

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 10,000.00 ft
Warning Levels Evaluated at:	2.45 Sigma
Error Model:	ISCSWA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	4/24/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	19,022.43	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	12,551.83	7,209.95	3,170.21	2,760.68	7.741	CC
146 COMPANY #14-1 - OH - OH	12,600.00	7,210.04	3,170.58	2,759.74	7.717	ES
146 COMPANY #14-1 - OH - OH	13,000.00	7,210.78	3,201.74	2,781.49	7.619	SF
ANDERSON #1-10-6-66(PA) - OH - OH	14,019.68	7,250.68	496.90	44.81	1.099	Level 2, CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	15,396.94	7,308.75	2,127.29	1,634.31	4.315	CC
ANDERSON #32-10(PR) - OH - OH	15,500.00	7,308.56	2,129.79	1,634.11	4.297	ES
ANDERSON #32-10(PR) - OH - OH	15,600.00	7,308.38	2,136.96	1,639.21	4.293	SF
ANDERSON #42-10(PR) - OH - OH	14,053.11	7,278.74	1,939.11	1,485.11	4.271	CC
ANDERSON #42-10(PR) - OH - OH	14,100.00	7,278.83	1,939.68	1,484.38	4.260	ES
ANDERSON #42-10(PR) - OH - OH	14,200.00	7,279.02	1,944.67	1,486.98	4.249	SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,696.30	7,269.21	739.36	323.73	1.779	CC
ANDERSON/JANUARY #1(PR) - OH - OH	12,700.00	7,269.22	739.37	323.63	1.778	ES, SF
BLACK GOLD #5(PR) - OH - OH	17,300.52	7,286.79	193.29	-352.88	0.354	Level 1, CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	18,021.65	7,269.14	595.44	29.40	1.052	Level 2, CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,065.91	7,278.49	744.92	398.61	2.151	CC, ES
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,100.00	7,278.70	745.70	398.69	2.149	SF
BLACKGOLD #3(PA) - OH - OH	16,863.05	7,267.98	591.34	58.25	1.109	Level 2, CC, ES, SF
CARLSON #10-1(PA) - OH - OH	16,757.26	7,279.78	2,108.93	1,578.42	3.975	CC
CARLSON #10-1(PA) - OH - OH	16,800.00	7,279.86	2,109.36	1,577.67	3.967	ES
CARLSON #10-1(PA) - OH - OH	16,900.00	7,280.05	2,113.75	1,579.73	3.958	SF
CARLSON #14-1(PR) - OH - OH	8,957.72	7,298.12	2,078.23	1,983.38	21.909	CC
CARLSON #14-1(PR) - OH - OH	9,000.00	7,299.24	2,078.66	1,982.87	21.700	ES
CARLSON #14-1(PR) - OH - OH	9,600.00	7,315.08	2,175.15	2,068.08	20.314	SF
CARLSON #14-2(SI) - OH - OH	10,058.35	7,201.30	3,149.48	2,808.29	9.231	CC
CARLSON #14-2(SI) - OH - OH	10,100.00	7,201.38	3,149.76	2,807.50	9.203	ES
CARLSON #14-2(SI) - OH - OH	10,700.00	7,202.50	3,214.18	2,858.19	9.029	SF
Fagerberg 11C-7-M - OH - OH	2,877.41	2,857.97	127.89	101.33	4.816	CC, ES
Fagerberg 11C-7-M - OH - OH	2,900.00	2,878.37	128.23	101.49	4.795	SF
Fagerberg 11N-7A-M - OH - OH	2,536.44	2,499.20	164.76	140.81	6.878	CC, ES
Fagerberg 11N-7A-M - OH - OH	7,132.58	7,509.75	285.92	215.44	4.057	SF
Fagerberg 15N-7A-M - OH - OH	1,478.70	1,350.52	612.93	599.21	44.650	CC
Fagerberg 15N-7A-M - OH - OH	1,500.00	1,370.30	612.97	599.08	44.115	ES
Fagerberg 15N-7A-M - OH - OH	7,337.47	7,273.16	1,073.22	1,002.94	15.270	SF
Fagerberg 23N-7C-M - OH - OH	7,439.73	7,450.45	205.30	134.95	2.918	CC, ES, SF
Fagerberg 25N(S)-7B-M - OH - OH	2,711.75	2,695.59	0.22	-25.46	0.009	Level 1, CC, ES, SF
Fagerberg 25N-7B-M - OH - OH	2,251.24	2,262.31	144.76	122.38	6.467	CC, ES
Fagerberg 25N-7B-M - OH - OH	2,300.00	2,306.69	146.36	123.52	6.409	SF

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 33C-9-L
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Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
Fagerberg 25N-7C-M - OH - OH	2,412.28	2,411.45	87.52	64.40	3.786	CC, ES, SF
Fagerberg 28N-18B-M - OH - OH	980.82	802.11	897.06	887.16	90.612	CC
Fagerberg 28N-18B-M - OH - OH	1,000.00	816.13	897.12	887.10	89.539	ES
Fagerberg 28N-18B-M - OH - OH	8,300.00	7,170.00	1,601.26	1,519.96	19.696	SF
Fagerberg 36C-7-M - OH - OH	1,136.58	973.35	847.98	837.33	79.617	CC, ES
Fagerberg 36C-7-M - OH - OH	7,900.00	7,232.05	1,208.23	1,134.09	16.298	SF
Fagerberg 36N-7B-M - OH - OH	1,446.35	1,289.54	795.22	782.04	60.349	CC
Fagerberg 36N-7B-M - OH - OH	7,401.20	7,479.51	852.70	781.76	12.020	ES
Fagerberg 36N-7B-M - OH - OH	7,450.00	7,451.17	853.44	782.43	12.018	SF
Fagerberg 3C-18-M - OH - OH	100.00	87.74	757.59	754.11	217.872	CC, ES
Fagerberg 3C-18-M - OH - OH	8,600.00	6,921.29	2,014.06	1,927.91	23.378	SF
Fagerberg 6C-7-M - OH - OH	3,201.25	3,160.77	30.34	0.90	1.030	Level 2, CC, ES, SF
Fagerberg 6N-7C-M - OH - OH	3,086.58	3,044.76	68.71	40.52	2.437	CC, ES, SF
Falken 16C-9-L - OH - Plan #1	300.00	300.00	29.87	22.98	4.336	CC
Falken 16C-9-L - OH - Plan #1	19,022.43	19,046.92	421.15	-263.21	0.615	Level 1, ES, SF
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	44.81	38.14	6.714	CC, ES
Falken 16N-9B-L - OH - Plan #1	19,022.43	18,907.47	764.68	92.65	1.138	Level 2, SF
Falken 30C-14-S - OH - Plan #1	200.00	200.00	104.92	98.25	15.721	CC, ES
Falken 30C-14-S - OH - Plan #1	13,400.00	13,555.88	1,515.59	1,152.15	4.170	SF
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	89.99	83.31	13.483	CC, ES
Falken 30N-14B-S - OH - Plan #1	13,400.00	13,368.87	1,315.74	952.80	3.625	SF
Falken 31C-14-S - Plan #1 - Plan #1	300.00	300.00	165.04	158.15	23.954	CC, ES
Falken 31C-14-S - Plan #1 - Plan #1	13,100.00	13,480.77	2,409.87	2,065.82	7.004	SF
Falken 31N-14B-S - OH - Plan #1	300.00	300.00	150.10	143.21	21.786	CC, ES
Falken 31N-14B-S - OH - Plan #1	13,100.00	13,256.62	2,204.28	1,860.36	6.409	SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	89.98	83.31	13.483	CC, ES
Falken 32C-9-L - OH - Plan #1	19,022.43	19,034.05	1,326.82	642.07	1.938	SF
Falken 32N-9B-L - OH - Plan #1	300.00	300.00	75.05	68.16	10.893	CC, ES
Falken 32N-9B-L - OH - Plan #1	19,022.43	18,851.07	1,127.48	450.72	1.666	SF
Falken 33N-9A-L - OH - Plan #1	307.60	307.64	14.77	7.86	2.138	CC
Falken 33N-9A-L - OH - Plan #1	19,022.43	18,704.77	447.04	-96.78	0.822	Level 1, ES, SF
Falken 33N-9B-L - OH - Plan #1	300.00	300.00	29.87	22.98	4.335	CC
Falken 33N-9B-L - OH - Plan #1	19,022.43	18,838.54	492.94	-154.28	0.762	Level 1, ES, SF
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	14.93	8.26	2.237	CC
Falken 33N-9C-L - OH - Plan #1	19,022.43	18,919.82	227.33	-389.18	0.369	Level 1, ES, SF
Falken 34C-9-L - OH - Plan #1	300.00	300.00	60.11	53.22	8.725	CC, ES
Falken 34C-9-L - OH - Plan #1	19,022.43	19,118.22	832.10	147.54	1.216	Level 2, SF
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	75.05	68.37	11.244	CC, ES
Falken 34N-9C-L - OH - Plan #1	19,022.43	19,015.27	1,038.62	357.33	1.524	SF
Falken 4N-14A-S - OH - Plan #1	300.00	300.00	119.86	112.97	17.397	CC, ES
Falken 4N-14A-S - OH - Plan #1	13,000.00	13,002.01	1,762.77	1,422.90	5.187	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	134.79	128.12	20.197	CC, ES
Falken 4N-14C-S - OH - Plan #1	13,100.00	13,210.89	1,975.90	1,632.47	5.754	SF
Falken 9C-9-L - OH - Plan #1	204.70	204.70	45.18	38.50	6.762	CC
Falken 9C-9-L - OH - Plan #1	19,022.43	19,025.91	597.37	-87.70	0.872	Level 1, ES, SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	60.11	53.44	9.007	CC, ES
Falken 9N-9C-L - OH - Plan #1	19,022.43	18,906.26	903.19	222.63	1.327	Level 3, SF
GILLESPIE #11-1(PA) - OH - OH	10,027.79	7,237.24	2,148.41	1,806.76	6.288	CC
GILLESPIE #11-1(PA) - OH - OH	10,100.00	7,237.38	2,149.62	1,806.05	6.257	ES
GILLESPIE #11-1(PA) - OH - OH	10,300.00	7,237.75	2,165.58	1,817.18	6.216	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,907.42	6,727.00	1,411.03	1,146.91	5.342	CC, ES
Harvesters Resources #15M-303(PR) - OH - OH	16,000.00	6,727.00	1,414.07	1,148.12	5.317	SF
Harvesters Resources #15M-423(PR) - OH - OH	15,573.44	6,773.53	1,377.52	1,119.96	5.348	CC

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

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
Reference Well: Falken 33C-9-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Falken 33C-9-L
TVD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
MD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

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						
Harvesters Resources #15M-423(PR) - OH - OH	15,600.00	6,773.82	1,377.78	1,119.54	5.335	ES
Harvesters Resources #15M-423(PR) - OH - OH	15,700.00	6,774.93	1,383.32	1,123.29	5.320	SF
Harvesters Resources #15R-243(PR) - OH - OH	15,092.94	6,732.00	1,414.43	1,171.54	5.823	CC
Harvesters Resources #15R-243(PR) - OH - OH	15,100.00	6,732.00	1,414.45	1,171.36	5.819	ES
Harvesters Resources #15R-243(PR) - OH - OH	15,200.00	6,732.00	1,418.48	1,173.24	5.784	SF
Harvesters Resources #15R-323(PR) - OH - OH	14,415.08	6,748.06	1,389.35	1,164.78	6.187	CC, ES
Harvesters Resources #15R-323(PR) - OH - OH	14,500.00	6,748.07	1,391.94	1,165.62	6.150	SF
Harvesters Resources #15R-403(PR) - OH - OH	14,745.81	6,800.00	1,364.25	1,126.34	5.734	CC
Harvesters Resources #15R-403(PR) - OH - OH	14,800.00	6,800.00	1,365.33	1,126.27	5.711	ES, SF
Harvesters Resources #15U-203(PR) - OH - OH	13,539.75	6,700.00	1,417.32	1,218.65	7.134	CC
Harvesters Resources #15U-203(PR) - OH - OH	13,600.00	6,700.00	1,418.60	1,218.43	7.087	ES
Harvesters Resources #15U-203(PR) - OH - OH	13,700.00	6,700.00	1,426.35	1,224.36	7.062	SF
Harvesters Resources #15U-443(PR) - OH - OH	14,000.62	6,800.00	1,361.13	1,146.74	6.349	CC, ES
Harvesters Resources #15U-443(PR) - OH - OH	14,100.00	6,800.00	1,364.75	1,148.23	6.303	SF
J.R. #1(PA) - OH - OH	300.00	206.00	1,445.39	1,435.59	147.454	CC
J.R. #1(PA) - OH - OH	500.00	405.84	1,449.61	1,432.97	87.113	ES
J.R. #1(PA) - OH - OH	8,900.00	7,145.14	2,091.10	1,781.01	6.744	SF
Jeff #1 - OH - OH	11,378.46	7,217.23	1,657.31	1,499.40	10.495	CC
Jeff #1 - OH - OH	11,400.00	7,217.32	1,657.45	1,498.98	10.459	ES
Jeff #1 - OH - OH	11,600.00	7,218.20	1,672.05	1,509.37	10.278	SF
JOHNSON #1(PA) - OH - OH	10,038.72	7,255.29	373.26	251.38	3.063	CC, ES, SF
JOHNSON #11-16G6(TA) - OH - OH	9,058.93	7,220.44	149.56	-167.02	0.472	Level 1, CC, ES, SF
JOHNSON #2(PA) - OH - OH	100.00	80.15	458.51	451.94	69.791	CC, ES
JOHNSON #2(PA) - OH - OH	8,900.00	7,223.19	822.44	729.22	8.823	SF
KRISTY #1(PA) - OH - OH	12,620.39	7,223.38	1,692.51	1,500.19	8.800	CC
KRISTY #1(PA) - OH - OH	12,700.00	7,223.35	1,694.39	1,500.09	8.721	ES
KRISTY #1(PA) - OH - OH	12,800.00	7,223.31	1,702.02	1,505.73	8.671	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	19,022.43	11,268.81	517.57	384.24	3.882	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	19,022.43	11,313.99	229.92	94.68	1.700	CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	19,022.43	11,096.62	446.38	316.71	3.442	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,142.73	7,220.46	1,816.80	1,472.72	5.280	CC
MICHAEL I #14-2 - OH - OH	10,200.00	7,220.56	1,817.70	1,472.21	5.261	ES
MICHAEL I #14-2 - OH - OH	10,300.00	7,220.75	1,823.60	1,475.83	5.244	SF
Montera #10-33(PR) - OH - OH	15,238.21	7,267.95	991.95	504.88	2.037	CC, ES
Montera #10-33(PR) - OH - OH	15,300.00	7,268.07	993.87	505.42	2.035	SF
Montera #10-34(PR) - OH - OH	15,589.15	7,255.60	705.17	208.61	1.420	Level 3, CC
Montera #10-34(PR) - OH - OH	15,600.00	7,255.62	705.26	208.43	1.420	Level 3, ES, SF
Montera #10-43(SI) - OH - OH	13,901.54	7,258.46	879.89	430.86	1.960	CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,556.28	7,260.09	714.13	330.43	1.861	CC, ES
MONTERA I #11-11(PR) - OH - OH	11,600.00	7,260.17	715.47	330.70	1.859	SF
MONTERA I #11-14(PR) - OH - OH	11,243.97	7,241.51	461.76	87.28	1.233	Level 2, CC, ES, SF
MONTERA I #14-8 - OH - OH	8,523.96	7,216.44	3,331.53	3,027.26	10.949	CC
MONTERA I #14-8 - OH - OH	8,600.00	7,216.58	3,332.40	3,026.56	10.896	ES
MONTERA I #14-8 - OH - OH	9,300.00	7,217.89	3,420.72	3,100.37	10.678	SF
OPAL #1(PA) - OH - OH	12,716.74	7,286.25	2,120.01	1,703.22	5.086	CC
OPAL #1(PA) - OH - OH	12,800.00	7,286.41	2,121.65	1,702.59	5.063	ES
OPAL #1(PA) - OH - OH	12,900.00	7,286.59	2,127.92	1,706.47	5.049	SF
OTTOSON #2(PA) - OH - OH	7,450.16	7,193.30	3,026.74	2,959.11	44.751	CC, ES
OTTOSON #2(PA) - OH - OH	9,100.00	7,251.50	3,514.47	3,424.61	39.112	SF
OTTOSON #3(PR) - OH - OH	7,364.21	7,080.53	537.54	471.07	8.087	CC, ES
OTTOSON #3(PR) - OH - OH	7,400.00	7,100.10	538.47	471.85	8.082	SF
OTTOSON I #12-12(PR) - OH - OH	4,974.94	4,867.28	553.95	508.20	12.109	CC
OTTOSON I #12-12(PR) - OH - OH	5,000.00	4,891.25	553.99	508.02	12.052	ES

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Offset Well - Wellbore - Design						
Falken 9-11 PAD						
OTTOSON I #12-12(PR) - OH - OH	7,450.00	7,138.53	747.94	680.01	11.012	SF
OTTOSON I #12-25(PR) - OH - OH	6,750.27	6,578.94	679.34	618.58	11.181	CC, ES
OTTOSON I #12-25(PR) - OH - OH	6,800.00	6,630.09	681.21	620.05	11.139	SF
POP I #14-17 - OH - OH	9,343.02	7,214.97	2,703.00	2,379.68	8.360	CC
POP I #14-17 - OH - OH	9,400.00	7,215.07	2,703.60	2,378.92	8.327	ES
POP I #14-17 - OH - OH	9,800.00	7,215.82	2,741.36	2,407.75	8.217	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,686.09	7,249.65	866.88	339.45	1.644	CC
SOUTH WOODS #10-3(PA) - OH - OH	16,700.00	7,249.67	867.00	339.18	1.643	ES, SF
SOUTHARD #2(PR) - OH - OH	1,547.79	1,500.33	1,769.81	1,755.08	120.159	CC
SOUTHARD #2(PR) - OH - OH	2,100.00	2,050.60	1,772.26	1,752.73	90.743	ES
SOUTHARD #2(PR) - OH - OH	8,400.00	7,207.46	2,377.95	2,297.38	29.515	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 Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-131.90	-3,806.63	-4,242.20	5,699.83					
100.00	100.00	64.00	64.00	3.28	3.47	-131.90	-3,806.63	-4,242.20	5,699.71	5,692.96	6.75	844.434		
200.00	200.00	164.00	164.00	3.34	5.16	-131.90	-3,806.63	-4,242.20	5,699.71	5,691.22	8.49	671.010		
300.00	300.00	264.00	264.00	3.44	8.16	-131.90	-3,806.63	-4,242.20	5,699.71	5,688.11	11.60	491.186		
400.00	399.98	363.98	363.98	3.60	11.44	112.10	-3,806.63	-4,242.20	5,700.37	5,685.33	15.04	379.036		
500.00	499.84	463.84	463.84	3.79	14.81	112.11	-3,806.63	-4,242.20	5,702.34	5,683.73	18.61	306.471		
600.00	599.45	563.45	563.45	4.03	18.22	112.13	-3,806.63	-4,242.20	5,705.63	5,683.38	22.25	256.433		
700.00	698.70	662.70	662.70	4.30	21.64	112.16	-3,806.63	-4,242.20	5,710.26	5,684.32	25.94	220.122		
800.00	797.47	761.47	761.47	4.61	25.05	112.19	-3,806.63	-4,242.20	5,716.23	5,686.56	29.66	192.697		
900.00	895.62	859.62	859.62	4.96	28.45	112.23	-3,806.63	-4,242.20	5,723.56	5,690.15	33.41	171.322		
939.50	934.20	901.80	898.20	5.10	29.92	112.25	-3,806.63	-4,242.20	5,726.83	5,691.81	35.02	163.549		
1,000.00	993.20	957.20	957.20	5.33	31.84	112.37	-3,806.63	-4,242.20	5,732.02	5,694.86	37.17	154.218		
1,100.00	1,090.72	1,054.72	1,054.72	5.73	35.23	112.57	-3,806.63	-4,242.20	5,740.67	5,699.71	40.95	140.176		
1,200.00	1,188.24	1,152.24	1,152.24	6.15	38.62	112.77	-3,806.63	-4,242.20	5,749.38	5,704.62	44.76	128.450		
1,300.00	1,285.76	1,249.76	1,249.76	6.59	42.01	112.97	-3,806.63	-4,242.20	5,758.17	5,709.59	48.58	118.522		
1,400.00	1,383.28	1,347.28	1,347.28	7.04	45.41	113.17	-3,806.63	-4,242.20	5,767.03	5,714.61	52.42	110.015		
1,500.00	1,480.80	1,444.80	1,444.80	7.50	48.80	113.36	-3,806.63	-4,242.20	5,775.96	5,719.69	56.27	102.649		
1,600.00	1,578.31	1,542.31	1,542.31	7.96	52.20	113.56	-3,806.63	-4,242.20	5,784.96	5,724.84	60.13	96.212		
1,700.00	1,675.83	1,639.83	1,639.83	8.44	55.60	113.76	-3,806.63	-4,242.20	5,794.03	5,730.04	63.99	90.542		
1,800.00	1,773.35	1,737.35	1,737.35	8.92	59.00	113.95	-3,806.63	-4,242.20	5,803.18	5,735.31	67.86	85.511		
1,900.00	1,870.87	1,834.87	1,834.87	9.40	62.40	114.15	-3,806.63	-4,242.20	5,812.39	5,740.65	71.74	81.018		
2,000.00	1,968.39	1,932.39	1,932.39	9.89	65.80	114.34	-3,806.63	-4,242.20	5,821.67	5,746.05	75.62	76.982		
2,100.00	2,065.91	2,029.91	2,029.91	10.39	69.20	114.54	-3,806.63	-4,242.20	5,831.02	5,751.51	79.51	73.337		
2,200.00	2,163.43	2,127.43	2,127.43	10.88	72.60	114.73	-3,806.63	-4,242.20	5,840.44	5,757.04	83.40	70.030		
2,300.00	2,260.95	2,224.95	2,224.95	11.38	76.00	114.92	-3,806.63	-4,242.20	5,849.93	5,762.64	87.29	67.017		
2,400.00	2,358.46	2,322.46	2,322.46	11.89	79.40	115.12	-3,806.63	-4,242.20	5,859.49	5,768.30	91.19	64.259		
2,500.00	2,455.98	2,419.98	2,419.98	12.39	82.80	115.31	-3,806.63	-4,242.20	5,869.11	5,774.03	95.08	61.727		
2,600.00	2,553.50	2,517.50	2,517.50	12.89	86.20	115.50	-3,806.63	-4,242.20	5,878.80	5,779.83	98.98	59.394		
2,700.00	2,651.02	2,615.02	2,615.02	13.40	89.61	115.69	-3,806.63	-4,242.20	5,888.56	5,785.69	102.88	57.237		
2,800.00	2,748.54	2,712.54	2,712.54	13.91	93.01	115.88	-3,806.63	-4,242.20	5,898.39	5,791.61	106.78	55.238		
2,900.00	2,846.06	2,810.06	2,810.06	14.42	96.41	116.07	-3,806.63	-4,242.20	5,908.28	5,797.60	110.68	53.380		
3,000.00	2,943.58	2,907.58	2,907.58	14.93	99.81	116.26	-3,806.63	-4,242.20	5,918.24	5,803.66	114.59	51.649		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
3,100.00	3,041.10	3,005.10	3,005.10	15.45	103.21	116.44	-3,806.63	-4,242.20	5,928.27	5,809.78	118.49	50.031		
3,200.00	3,138.61	3,102.61	3,102.61	15.96	106.62	116.63	-3,806.63	-4,242.20	5,938.36	5,815.96	122.40	48.517		
3,300.00	3,236.13	3,200.13	3,200.13	16.47	110.02	116.82	-3,806.63	-4,242.20	5,948.52	5,822.21	126.30	47.097		
3,400.00	3,333.65	3,302.35	3,297.65	16.99	113.59	117.01	-3,806.63	-4,242.20	5,958.74	5,828.37	130.37	45.705		
3,500.00	3,431.17	3,404.83	3,395.17	17.50	117.16	117.19	-3,806.63	-4,242.20	5,969.02	5,834.57	134.45	44.395		
3,600.00	3,528.69	3,507.31	3,492.69	18.02	120.74	117.38	-3,806.63	-4,242.20	5,979.37	5,840.84	138.53	43.162		
3,700.00	3,626.21	3,609.79	3,590.21	18.54	124.32	117.56	-3,806.63	-4,242.20	5,989.79	5,847.17	142.62	42.000		
3,800.00	3,723.73	3,687.73	3,687.73	19.06	127.04	117.74	-3,806.63	-4,242.20	6,000.27	5,854.43	145.84	41.143		
3,900.00	3,821.25	3,785.25	3,785.25	19.57	130.44	117.93	-3,806.63	-4,242.20	6,010.81	5,861.06	149.75	40.139		
4,000.00	3,918.77	3,882.77	3,882.77	20.09	133.84	118.11	-3,806.63	-4,242.20	6,021.41	5,867.75	153.66	39.187		
4,100.00	4,016.28	3,980.28	3,980.28	20.61	137.25	118.29	-3,806.63	-4,242.20	6,032.08	5,874.51	157.57	38.283		
4,200.00	4,113.80	4,077.80	4,077.80	21.13	140.65	118.47	-3,806.63	-4,242.20	6,042.81	5,881.33	161.48	37.422		
4,300.00	4,211.32	4,175.32	4,175.32	21.65	144.05	118.65	-3,806.63	-4,242.20	6,053.60	5,888.21	165.39	36.603		
4,400.00	4,308.84	4,272.84	4,272.84	22.17	147.46	118.83	-3,806.63	-4,242.20	6,064.45	5,895.15	169.30	35.822		
4,500.00	4,406.36	4,370.36	4,370.36	22.69	150.86	119.01	-3,806.63	-4,242.20	6,075.36	5,902.16	173.20	35.076		
4,600.00	4,503.88	4,467.88	4,467.88	23.21	154.26	119.19	-3,806.63	-4,242.20	6,086.34	5,909.22	177.11	34.364		
4,700.00	4,601.40	4,565.40	4,565.40	23.73	157.67	119.37	-3,806.63	-4,242.20	6,097.37	5,916.35	181.02	33.683		
4,800.00	4,698.92	4,662.92	4,662.92	24.26	161.07	119.55	-3,806.63	-4,242.20	6,108.47	5,923.53	184.93	33.031		
4,900.00	4,796.43	4,760.43	4,760.43	24.78	164.47	119.72	-3,806.63	-4,242.20	6,119.62	5,930.78	188.84	32.406		
5,000.00	4,893.95	4,857.95	4,857.95	25.30	167.88	119.90	-3,806.63	-4,242.20	6,130.84	5,938.09	192.75	31.807		
5,100.00	4,991.47	4,955.47	4,955.47	25.82	171.28	120.08	-3,806.63	-4,242.20	6,142.11	5,945.45	196.66	31.232		
5,200.00	5,088.99	5,052.99	5,052.99	26.34	174.69	120.25	-3,806.63	-4,242.20	6,153.45	5,952.87	200.57	30.679		
5,300.00	5,186.51	5,150.51	5,150.51	26.87	178.09	120.43	-3,806.63	-4,242.20	6,164.84	5,960.36	204.48	30.148		
5,400.00	5,284.03	5,248.03	5,248.03	27.39	181.49	120.60	-3,806.63	-4,242.20	6,176.29	5,967.90	208.39	29.638		
5,500.00	5,381.55	5,345.55	5,345.55	27.91	184.90	120.77	-3,806.63	-4,242.20	6,187.80	5,975.50	212.30	29.146		
5,600.00	5,479.07	5,443.07	5,443.07	28.43	188.30	120.95	-3,806.63	-4,242.20	6,199.36	5,983.15	216.21	28.673		
5,700.00	5,576.58	5,540.58	5,540.58	28.96	191.70	121.12	-3,806.63	-4,242.20	6,210.99	5,990.87	220.12	28.216		
5,800.00	5,674.10	5,638.10	5,638.10	29.48	195.11	121.29	-3,806.63	-4,242.20	6,222.67	5,998.64	224.03	27.776		
5,900.00	5,771.62	5,735.62	5,735.62	30.00	198.51	121.46	-3,806.63	-4,242.20	6,234.41	6,006.47	227.94	27.351		
6,000.00	5,869.14	5,833.14	5,833.14	30.53	201.92	121.63	-3,806.63	-4,242.20	6,246.20	6,014.35	231.85	26.941		
6,100.00	5,966.66	5,930.66	5,930.66	31.05	205.32	121.80	-3,806.63	-4,242.20	6,258.05	6,022.29	235.76	26.545		
6,200.00	6,064.18	6,028.18	6,028.18	31.58	208.72	121.97	-3,806.63	-4,242.20	6,269.95	6,030.29	239.66	26.161		
6,300.00	6,161.70	6,125.70	6,125.70	32.10	212.13	122.14	-3,806.63	-4,242.20	6,281.92	6,038.34	243.57	25.791		
6,400.00	6,259.22	6,223.22	6,223.22	32.62	215.53	122.30	-3,806.63	-4,242.20	6,293.93	6,046.45	247.48	25.432		
6,500.00	6,356.74	6,320.74	6,320.74	33.15	218.94	122.47	-3,806.63	-4,242.20	6,306.00	6,054.61	251.39	25.085		
6,600.00	6,454.25	6,418.25	6,418.25	33.67	222.34	122.64	-3,806.63	-4,242.20	6,318.13	6,062.83	255.30	24.748		
6,623.48	6,477.15	6,441.15	6,441.15	33.80	223.14	122.68	-3,806.63	-4,242.20	6,320.98	6,064.77	256.22	24.671		
6,650.00	6,503.12	6,467.12	6,467.12	33.93	224.05	117.26	-3,806.63	-4,242.20	6,323.74	6,066.49	257.25	24.582		
6,700.00	6,552.50	6,516.50	6,516.50	34.16	225.77	98.55	-3,806.63	-4,242.20	6,326.37	6,067.17	259.21	24.407		
6,750.00	6,602.21	6,566.21	6,566.21	34.36	227.50	60.53	-3,806.63	-4,242.20	6,325.63	6,064.49	261.14	24.223		
6,800.00	6,651.92	6,615.92	6,615.92	34.54	229.24	21.44	-3,806.63	-4,242.20	6,321.53	6,058.47	263.06	24.031		
6,850.00	6,701.33	6,665.33	6,665.33	34.70	230.96	1.45	-3,806.63	-4,242.20	6,314.07	6,049.13	264.93	23.833		
6,900.00	6,750.14	6,714.14	6,714.14	34.86	232.67	-8.56	-3,806.63	-4,242.20	6,303.31	6,036.53	266.78	23.627		
6,950.00	6,798.04	6,762.04	6,762.04	35.02	234.34	-14.55	-3,806.63	-4,242.20	6,289.31	6,020.72	268.59	23.416		
7,000.00	6,844.75	6,808.75	6,808.75	35.19	235.97	-18.78	-3,806.63	-4,242.20	6,272.16	6,001.81	270.35	23.200		
7,050.00	6,889.97	6,853.97	6,853.97	35.37	237.55	-22.17	-3,806.63	-4,242.20	6,251.98	5,979.93	272.06	22.980		
7,100.00	6,933.42	6,902.58	6,897.42	35.57	239.25	-25.19	-3,806.63	-4,242.20	6,228.89	5,955.01	273.88	22.743		
7,150.00	6,974.83	6,938.83	6,938.83	35.79	240.51	-28.10	-3,806.63	-4,242.20	6,203.05	5,927.78	275.27	22.534		
7,200.00	7,013.96	6,977.96	6,977.96	36.02	241.88	-31.08	-3,806.63	-4,242.20	6,174.62	5,897.85	276.76	22.310		
7,250.00	7,050.56	7,014.56	7,014.56	36.28	243.16	-34.25	-3,806.63	-4,242.20	6,143.79	5,865.61	278.17	22.086		
7,300.00	7,084.39	7,048.39	7,048.39	36.57	244.34	-37.72	-3,806.63	-4,242.20	6,110.76	5,831.27	279.49	21.864		
7,350.00	7,115.27	7,079.27	7,079.27	36.89	245.41	-41.59	-3,806.63	-4,242.20	6,075.75	5,795.04	280.71	21.644		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,400.00	7,142.99	7,106.99	7,106.99	37.25	246.38	-45.93	-3,806.63	-4,242.20	6,039.00	5,757.16	281.83	21.427		
7,450.00	7,167.38	7,131.38	7,131.38	37.65	247.23	-50.82	-3,806.63	-4,242.20	6,000.73	5,717.88	282.85	21.215		
7,500.00	7,188.30	7,152.30	7,152.30	38.08	247.96	-56.30	-3,806.63	-4,242.20	5,961.21	5,677.45	283.76	21.008		
7,550.00	7,205.61	7,169.61	7,169.61	38.55	248.57	-62.36	-3,806.63	-4,242.20	5,920.69	5,636.13	284.56	20.807		
7,600.00	7,219.20	7,183.20	7,183.20	39.06	249.04	-68.93	-3,806.63	-4,242.20	5,879.43	5,594.19	285.24	20.612		
7,650.00	7,229.00	7,207.00	7,193.00	39.61	249.87	-75.85	-3,806.63	-4,242.20	5,837.70	5,551.41	286.29	20.391		
7,700.00	7,234.95	7,201.05	7,198.95	40.18	249.67	-82.90	-3,806.63	-4,242.20	5,795.78	5,509.45	286.33	20.242		
7,750.07	7,237.00	7,201.00	7,201.00	40.78	249.66	-89.84	-3,806.63	-4,242.20	5,753.88	5,467.29	286.58	20.077		
7,800.00	7,237.09	7,201.09	7,201.09	41.41	249.67	-89.84	-3,806.63	-4,242.20	5,712.27	5,425.41	286.86	19.913		
7,900.00	7,237.28	7,201.28	7,201.28	42.79	249.67	-89.84	-3,806.63	-4,242.20	5,629.36	5,341.87	287.49	19.581		
8,000.00	7,237.47	7,201.47	7,201.47	44.31	249.68	-89.85	-3,806.63	-4,242.20	5,547.01	5,258.80	288.21	19.246		
8,100.00	7,237.65	7,201.65	7,201.65	45.97	249.69	-89.85	-3,806.63	-4,242.20	5,465.25	5,176.22	289.03	18.909		
8,200.00	7,237.84	7,201.84	7,201.84	47.75	249.69	-89.85	-3,806.63	-4,242.20	5,384.10	5,094.16	289.94	18.570		
8,300.00	7,238.02	7,202.02	7,202.02	49.63	249.70	-89.86	-3,806.63	-4,242.20	5,303.60	5,012.65	290.96	18.228		
8,400.00	7,238.21	7,202.21	7,202.21	51.61	249.71	-89.86	-3,806.63	-4,242.20	5,223.78	4,931.71	292.07	17.885		
8,500.00	7,238.40	7,202.40	7,202.40	53.66	249.71	-89.86	-3,806.63	-4,242.20	5,144.66	4,851.37	293.29	17.541		
8,600.00	7,238.58	7,202.58	7,202.58	55.79	249.72	-89.87	-3,806.63	-4,242.20	5,066.27	4,771.66	294.61	17.197		
8,700.00	7,238.77	7,202.77	7,202.77	57.99	249.73	-89.87	-3,806.63	-4,242.20	4,988.66	4,692.63	296.04	16.852		
8,800.00	7,238.96	7,202.96	7,202.96	60.24	249.73	-89.87	-3,806.63	-4,242.20	4,911.86	4,614.30	297.57	16.507		
8,900.00	7,239.14	7,203.14	7,203.14	62.54	249.74	-89.88	-3,806.63	-4,242.20	4,835.91	4,536.71	299.20	16.163		
9,000.00	7,239.33	7,203.33	7,203.33	64.88	249.74	-89.88	-3,806.63	-4,242.20	4,760.85	4,459.90	300.95	15.820		
9,100.00	7,239.52	7,203.52	7,203.52	67.27	249.75	-89.88	-3,806.63	-4,242.20	4,686.72	4,383.92	302.79	15.478		
9,200.00	7,239.70	7,203.70	7,203.70	69.69	249.76	-89.89	-3,806.63	-4,242.20	4,613.56	4,308.81	304.75	15.139		
9,300.00	7,239.89	7,203.89	7,203.89	72.15	249.76	-89.89	-3,806.63	-4,242.20	4,541.43	4,234.62	306.81	14.802		
9,400.00	7,240.07	7,204.07	7,204.07	74.63	249.77	-89.89	-3,806.63	-4,242.20	4,470.37	4,161.40	308.97	14.469		
9,500.00	7,240.26	7,204.26	7,204.26	77.14	249.78	-89.90	-3,806.63	-4,242.20	4,400.44	4,089.20	311.24	14.138		
9,600.00	7,240.45	7,204.45	7,204.45	79.68	249.78	-89.90	-3,806.63	-4,242.20	4,331.69	4,018.07	313.61	13.812		
9,700.00	7,240.63	7,204.63	7,204.63	82.23	249.79	-89.90	-3,806.63	-4,242.20	4,264.17	3,948.08	316.09	13.490		
9,800.00	7,240.82	7,204.82	7,204.82	84.81	249.80	-89.91	-3,806.63	-4,242.20	4,197.95	3,879.28	318.66	13.174		
9,900.00	7,241.01	7,205.01	7,205.01	87.40	249.80	-89.91	-3,806.63	-4,242.20	4,133.09	3,811.75	321.34	12.862		
10,000.00	7,241.19	7,205.19	7,205.19	90.01	249.81	-89.91	-3,806.63	-4,242.20	4,069.65	3,745.53	324.12	12.556		
10,100.00	7,241.38	7,205.38	7,205.38	92.64	249.82	-89.92	-3,806.63	-4,242.20	4,007.70	3,680.72	326.99	12.256		
10,200.00	7,241.56	7,205.56	7,205.56	95.28	249.82	-89.92	-3,806.63	-4,242.20	3,947.32	3,617.37	329.95	11.963		
10,300.00	7,241.75	7,205.75	7,205.75	97.93	249.83	-89.92	-3,806.63	-4,242.20	3,888.57	3,555.56	333.00	11.677		
10,400.00	7,241.94	7,205.94	7,205.94	100.59	249.84	-89.93	-3,806.63	-4,242.20	3,831.53	3,495.38	336.15	11.398		
10,500.00	7,242.12	7,206.12	7,206.12	103.26	249.84	-89.93	-3,806.63	-4,242.20	3,776.27	3,436.90	339.37	11.127		
10,600.00	7,242.31	7,206.31	7,206.31	105.95	249.85	-89.93	-3,806.63	-4,242.20	3,722.88	3,380.21	342.67	10.864		
10,700.00	7,242.50	7,206.50	7,206.50	108.64	249.86	-89.94	-3,806.63	-4,242.20	3,671.44	3,325.40	346.04	10.610		
10,800.00	7,242.68	7,206.68	7,206.68	111.34	249.86	-89.94	-3,806.63	-4,242.20	3,622.04	3,272.55	349.48	10.364		
10,900.00	7,242.87	7,206.87	7,206.87	114.05	249.87	-89.94	-3,806.63	-4,242.20	3,574.74	3,221.76	352.98	10.127		
11,000.00	7,243.05	7,207.05	7,207.05	116.76	249.87	-89.95	-3,806.63	-4,242.20	3,529.65	3,173.12	356.52	9.900		
11,100.00	7,243.24	7,207.24	7,207.24	119.49	249.88	-89.95	-3,806.63	-4,242.20	3,486.84	3,126.73	360.11	9.683		
11,200.00	7,243.43	7,207.43	7,207.43	122.22	249.89	-89.95	-3,806.63	-4,242.20	3,446.40	3,082.67	363.73	9.475		
11,300.00	7,243.61	7,207.61	7,207.61	124.95	249.89	-89.96	-3,806.63	-4,242.20	3,408.42	3,041.04	367.37	9.278		
11,400.00	7,243.80	7,207.80	7,207.80	127.69	249.90	-89.96	-3,806.63	-4,242.20	3,372.97	3,001.95	371.02	9.091		
11,500.00	7,243.99	7,207.99	7,207.99	130.44	249.91	-89.96	-3,806.63	-4,242.20	3,340.15	2,965.47	374.67	8.915		
11,600.00	7,244.17	7,208.17	7,208.17	133.19	249.91	-89.97	-3,806.63	-4,242.20	3,310.02	2,931.71	378.31	8.750		
11,700.00	7,244.36	7,208.36	7,208.36	135.94	249.92	-89.97	-3,806.63	-4,242.20	3,282.66	2,900.75	381.91	8.595		
11,800.00	7,244.55	7,208.55	7,208.55	138.70	249.93	-89.97	-3,806.63	-4,242.20	3,258.14	2,872.67	385.48	8.452		
11,900.00	7,244.73	7,208.73	7,208.73	141.47	249.93	-89.98	-3,806.63	-4,242.20	3,236.53	2,847.55	388.98	8.320		
12,000.00	7,244.92	7,208.92	7,208.92	144.24	249.94	-89.98	-3,806.63	-4,242.20	3,217.88	2,825.46	392.42	8.200		
12,100.00	7,245.10	7,209.10	7,209.10	147.01	249.95	-89.98	-3,806.63	-4,242.20	3,202.25	2,806.47	395.77	8.091		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	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)					
12,200.00	7,245.29	7,209.29	7,209.29	149.78	249.95	-89.99	-3,806.63	-4,242.20	3,189.68	2,790.64	399.03	7.994				
12,300.00	7,245.48	7,209.48	7,209.48	152.56	249.96	-89.99	-3,806.63	-4,242.20	3,180.20	2,778.02	402.18	7.907				
12,400.00	7,245.66	7,209.66	7,209.66	155.34	249.97	-89.99	-3,806.63	-4,242.20	3,173.85	2,768.65	405.20	7.833				
12,500.00	7,245.85	7,209.85	7,209.85	158.12	249.97	-90.00	-3,806.63	-4,242.20	3,170.64	2,762.54	408.09	7.769				
12,551.83	7,245.95	7,209.95	7,209.95	159.57	249.98	-90.00	-3,806.63	-4,242.20	3,170.21	2,760.68	409.53	7.741 CC				
12,600.00	7,246.04	7,210.04	7,210.04	160.91	249.98	-90.00	-3,806.63	-4,242.20	3,170.58	2,759.74	410.84	7.717 ES				
12,700.00	7,246.22	7,210.22	7,210.22	163.70	249.99	-90.00	-3,806.63	-4,242.20	3,173.67	2,760.24	413.43	7.676				
12,800.00	7,246.41	7,210.41	7,210.41	166.49	249.99	-90.01	-3,806.63	-4,242.20	3,179.91	2,764.04	415.87	7.646				
12,900.00	7,246.59	7,210.59	7,210.59	169.28	250.00	-90.01	-3,806.63	-4,242.20	3,189.27	2,771.13	418.14	7.627				
13,000.00	7,246.78	7,210.78	7,210.78	172.08	250.00	-90.02	-3,806.63	-4,242.20	3,201.74	2,781.49	420.24	7.619 SF				
13,100.00	7,246.97	7,210.97	7,210.97	174.88	250.01	-90.02	-3,806.63	-4,242.20	3,217.26	2,795.08	422.17	7.621				
13,200.00	7,247.15	7,211.15	7,211.15	177.68	250.02	-90.02	-3,806.63	-4,242.20	3,235.80	2,811.87	423.93	7.633				
13,300.00	7,247.34	7,211.34	7,211.34	180.48	250.02	-90.03	-3,806.63	-4,242.20	3,257.30	2,831.79	425.52	7.655				
13,400.00	7,247.53	7,211.53	7,211.53	183.28	250.03	-90.03	-3,806.63	-4,242.20	3,281.71	2,854.78	426.93	7.687				
13,500.00	7,247.71	7,211.71	7,211.71	186.09	250.04	-90.03	-3,806.63	-4,242.20	3,308.97	2,880.79	428.18	7.728				
13,600.00	7,247.90	7,211.90	7,211.90	188.90	250.04	-90.04	-3,806.63	-4,242.20	3,339.00	2,909.73	429.26	7.778				
13,700.00	7,248.08	7,212.08	7,212.08	191.70	250.05	-90.04	-3,806.63	-4,242.20	3,371.73	2,941.53	430.19	7.838				
13,800.00	7,248.27	7,212.27	7,212.27	194.52	250.06	-90.04	-3,806.63	-4,242.20	3,407.08	2,976.11	430.97	7.906				
13,900.00	7,248.46	7,212.46	7,212.46	197.33	250.06	-90.05	-3,806.63	-4,242.20	3,444.97	3,013.36	431.61	7.982				
14,000.00	7,248.64	7,212.64	7,212.64	200.14	250.07	-90.05	-3,806.63	-4,242.20	3,485.32	3,053.21	432.10	8.066				
14,100.00	7,248.83	7,212.83	7,212.83	202.95	250.08	-90.05	-3,806.63	-4,242.20	3,528.04	3,095.57	432.47	8.158				
14,200.00	7,249.02	7,213.02	7,213.02	205.77	250.08	-90.06	-3,806.63	-4,242.20	3,573.05	3,140.33	432.72	8.257				
14,300.00	7,249.20	7,213.20	7,213.20	208.59	250.09	-90.06	-3,806.63	-4,242.20	3,620.27	3,187.41	432.86	8.364				
14,400.00	7,249.39	7,213.39	7,213.39	211.41	250.10	-90.06	-3,806.63	-4,242.20	3,669.60	3,236.71	432.89	8.477				
14,500.00	7,249.58	7,213.58	7,213.58	214.23	250.10	-90.07	-3,806.63	-4,242.20	3,720.97	3,288.14	432.83	8.597				
14,600.00	7,249.76	7,213.76	7,213.76	217.05	250.11	-90.07	-3,806.63	-4,242.20	3,774.29	3,341.61	432.68	8.723				
14,700.00	7,249.95	7,213.95	7,213.95	219.87	250.12	-90.07	-3,806.63	-4,242.20	3,829.48	3,397.03	432.45	8.855				
14,800.00	7,250.13	7,214.13	7,214.13	222.69	250.12	-90.08	-3,806.63	-4,242.20	3,886.45	3,454.31	432.14	8.993				
14,900.00	7,250.32	7,214.32	7,214.32	225.51	250.13	-90.08	-3,806.63	-4,242.20	3,945.14	3,513.37	431.77	9.137				
15,000.00	7,250.51	7,214.51	7,214.51	228.34	250.13	-90.08	-3,806.63	-4,242.20	4,005.47	3,574.13	431.34	9.286				
15,100.00	7,250.69	7,214.69	7,214.69	231.16	250.14	-90.09	-3,806.63	-4,242.20	4,067.36	3,636.50	430.86	9.440				
15,200.00	7,250.88	7,214.88	7,214.88	233.99	250.15	-90.09	-3,806.63	-4,242.20	4,130.74	3,700.41	430.33	9.599				
15,300.00	7,251.07	7,215.07	7,215.07	236.82	250.15	-90.09	-3,806.63	-4,242.20	4,195.55	3,765.79	429.76	9.763				
15,400.00	7,251.25	7,215.25	7,215.25	239.65	250.16	-90.10	-3,806.63	-4,242.20	4,261.73	3,832.57	429.16	9.930				
15,500.00	7,251.44	7,215.44	7,215.44	242.47	250.17	-90.10	-3,806.63	-4,242.20	4,329.20	3,900.68	428.52	10.103				
15,600.00	7,251.62	7,215.62	7,215.62	245.30	250.17	-90.10	-3,806.63	-4,242.20	4,397.91	3,970.05	427.85	10.279				
15,700.00	7,251.81	7,215.81	7,215.81	248.13	250.18	-90.11	-3,806.63	-4,242.20	4,467.80	4,040.63	427.16	10.459				
15,800.00	7,252.00	7,216.00	7,216.00	250.97	250.19	-90.11	-3,806.63	-4,242.20	4,538.82	4,112.36	426.46	10.643				
15,900.00	7,252.18	7,216.18	7,216.18	253.80	250.19	-90.11	-3,806.63	-4,242.20	4,610.91	4,185.18	425.73	10.831				
16,000.00	7,252.37	7,216.37	7,216.37	256.63	250.20	-90.12	-3,806.63	-4,242.20	4,684.03	4,259.03	425.00	11.021				
16,100.00	7,252.56	7,216.56	7,216.56	259.46	250.21	-90.12	-3,806.63	-4,242.20	4,758.12	4,333.87	424.25	11.215				
16,200.00	7,252.74	7,216.74	7,216.74	262.30	250.21	-90.12	-3,806.63	-4,242.20	4,833.15	4,409.66	423.50	11.413				
16,300.00	7,252.93	7,216.93	7,216.93	265.13	250.22	-90.13	-3,806.63	-4,242.20	4,909.07	4,486.34	422.74	11.613				
16,400.00	7,253.11	7,217.11	7,217.11	267.96	250.23	-90.13	-3,806.63	-4,242.20	4,985.84	4,563.87	421.97	11.816				
16,500.00	7,253.30	7,217.30	7,217.30	270.80	250.23	-90.13	-3,806.63	-4,242.20	5,063.42	4,642.22	421.21	12.021				
16,600.00	7,253.49	7,217.49	7,217.49	273.64	250.24	-90.14	-3,806.63	-4,242.20	5,141.78	4,721.34	420.44	12.229				
16,700.00	7,253.67	7,217.67	7,217.67	276.47	250.25	-90.14	-3,806.63	-4,242.20	5,220.87	4,801.19	419.68	12.440				
16,800.00	7,253.86	7,217.86	7,217.86	279.31	250.25	-90.14	-3,806.63	-4,242.20	5,300.68	4,881.75	418.92	12.653				
16,900.00	7,254.05	7,218.05	7,218.05	282.15	250.26	-90.15	-3,806.63	-4,242.20	5,381.15	4,962.99	418.17	12.868				
17,000.00	7,254.23	7,218.23	7,218.23	284.98	250.26	-90.15	-3,806.63	-4,242.20	5,462.27	5,044.86	417.41	13.086				
17,100.00	7,254.42	7,218.42	7,218.42	287.82	250.27	-90.15	-3,806.63	-4,242.20	5,544.01	5,127.34	416.67	13.306				
17,200.00	7,254.61	7,218.61	7,218.61	290.66	250.28	-90.16	-3,806.63	-4,242.20	5,626.34	5,210.41	415.93	13.527				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	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)					
17,300.00	7,254.79	7,218.79	7,218.79	293.50	250.28	-90.16	-3,806.63	-4,242.20	5,709.23	5,294.03	415.20	13.751				
17,400.00	7,254.98	7,218.98	7,218.98	296.34	250.29	-90.16	-3,806.63	-4,242.20	5,792.66	5,378.19	414.48	13.976				
17,500.00	7,255.16	7,219.16	7,219.16	299.18	250.30	-90.17	-3,806.63	-4,242.20	5,876.61	5,462.85	413.76	14.203				
17,600.00	7,255.35	7,219.35	7,219.35	302.02	250.30	-90.17	-3,806.63	-4,242.20	5,961.06	5,548.00	413.05	14.432				
17,700.00	7,255.54	7,219.54	7,219.54	304.86	250.31	-90.17	-3,806.63	-4,242.20	6,045.98	5,633.62	412.36	14.662				
17,800.00	7,255.72	7,219.72	7,219.72	307.70	250.32	-90.18	-3,806.63	-4,242.20	6,131.35	5,719.68	411.67	14.894				
17,900.00	7,255.91	7,219.91	7,219.91	310.54	250.32	-90.18	-3,806.63	-4,242.20	6,217.16	5,806.17	410.99	15.127				
18,000.00	7,256.10	7,220.10	7,220.10	313.39	250.33	-90.18	-3,806.63	-4,242.20	6,303.39	5,893.07	410.32	15.362				
18,100.00	7,256.28	7,220.28	7,220.28	316.23	250.34	-90.19	-3,806.63	-4,242.20	6,390.02	5,980.35	409.67	15.598				
18,200.00	7,256.47	7,220.47	7,220.47	319.07	250.34	-90.19	-3,806.63	-4,242.20	6,477.04	6,068.02	409.02	15.836				
18,300.00	7,256.65	7,220.65	7,220.65	321.91	250.35	-90.19	-3,806.63	-4,242.20	6,564.42	6,156.04	408.38	16.074				
18,400.00	7,256.84	7,220.84	7,220.84	324.76	250.36	-90.20	-3,806.63	-4,242.20	6,652.16	6,244.41	407.76	16.314				
18,500.00	7,257.03	7,221.03	7,221.03	327.60	250.36	-90.20	-3,806.63	-4,242.20	6,740.24	6,333.10	407.14	16.555				
18,600.00	7,257.21	7,221.21	7,221.21	330.44	250.37	-90.20	-3,806.63	-4,242.20	6,828.65	6,422.12	406.53	16.797				
18,700.00	7,257.40	7,221.40	7,221.40	333.29	250.38	-90.21	-3,806.63	-4,242.20	6,917.38	6,511.44	405.94	17.041				
18,800.00	7,257.59	7,221.59	7,221.59	336.13	250.38	-90.21	-3,806.63	-4,242.20	7,006.41	6,601.06	405.35	17.285				
18,900.00	7,257.77	7,221.77	7,221.77	338.98	250.39	-90.21	-3,806.63	-4,242.20	7,095.73	6,690.96	404.78	17.530				
19,000.00	7,257.96	7,221.96	7,221.96	341.82	250.40	-90.22	-3,806.63	-4,242.20	7,185.34	6,781.12	404.21	17.776				
19,022.43	7,258.00	7,222.00	7,222.00	342.46	250.40	-90.22	-3,806.63	-4,242.20	7,205.47	6,801.38	404.09	17.832				

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	2.00	3.28	3.28	-101.19	-1,127.60	-5,699.60	5,810.07					
100.00	100.00	102.00	102.00	3.28	3.75	-101.19	-1,127.60	-5,699.60	5,810.07	5,803.04	7.03	826.053		
200.00	200.00	202.00	202.00	3.34	6.24	-101.19	-1,127.60	-5,699.60	5,810.07	5,800.49	9.58	606.779		
300.00	300.00	302.00	302.00	3.44	9.39	-101.19	-1,127.60	-5,699.60	5,810.07	5,797.23	12.83	452.716		
400.00	399.98	401.98	401.98	3.60	12.72	142.80	-1,127.60	-5,699.60	5,811.46	5,795.14	16.32	356.185		
500.00	499.84	501.84	501.84	3.79	16.11	142.78	-1,127.60	-5,699.60	5,815.63	5,795.73	19.90	292.185		
600.00	599.45	601.45	601.45	4.03	19.53	142.75	-1,127.60	-5,699.60	5,822.58	5,799.02	23.56	247.157		
700.00	698.70	700.70	700.70	4.30	22.95	142.71	-1,127.60	-5,699.60	5,832.30	5,805.05	27.25	213.993		
800.00	797.47	800.53	799.47	4.61	26.41	142.64	-1,127.60	-5,699.60	5,844.80	5,813.78	31.01	188.453		
900.00	895.62	902.38	897.62	4.96	29.94	142.57	-1,127.60	-5,699.60	5,860.06	5,825.18	34.88	168.001		
939.50	934.20	936.20	936.20	5.10	31.11	142.54	-1,127.60	-5,699.60	5,866.85	5,830.65	36.20	162.080		
1,000.00	993.20	1,004.80	995.20	5.33	33.49	142.61	-1,127.60	-5,699.60	5,877.59	5,838.79	38.80	151.491		
1,100.00	1,090.72	1,107.28	1,092.72	5.73	37.06	142.74	-1,127.60	-5,699.60	5,895.35	5,852.62	42.74	137.949		
1,200.00	1,188.24	1,209.76	1,190.24	6.15	40.62	142.87	-1,127.60	-5,699.60	5,913.15	5,866.45	46.69	126.639		
1,300.00	1,285.76	1,287.76	1,287.76	6.59	43.33	143.00	-1,127.60	-5,699.60	5,930.97	5,881.16	49.81	119.063		
1,400.00	1,383.28	1,385.28	1,385.28	7.04	46.73	143.13	-1,127.60	-5,699.60	5,948.83	5,895.20	53.63	110.931		
1,500.00	1,480.80	1,482.80	1,482.80	7.50	50.13	143.25	-1,127.60	-5,699.60	5,966.71	5,909.26	57.45	103.859		
1,600.00	1,578.31	1,580.31	1,580.31	7.96	53.52	143.38	-1,127.60	-5,699.60	5,984.62	5,923.34	61.28	97.657		
1,700.00	1,675.83	1,677.83	1,677.83	8.44	56.92	143.51	-1,127.60	-5,699.60	6,002.56	5,937.44	65.12	92.175		
1,800.00	1,773.35	1,775.35	1,775.35	8.92	60.32	143.63	-1,127.60	-5,699.60	6,020.52	5,951.56	68.97	87.296		
1,900.00	1,870.87	1,872.87	1,872.87	9.40	63.72	143.75	-1,127.60	-5,699.60	6,038.52	5,965.70	72.82	82.926		
2,000.00	1,968.39	1,970.39	1,970.39	9.89	67.12	143.88	-1,127.60	-5,699.60	6,056.54	5,979.87	76.67	78.992		
2,100.00	2,065.91	2,067.91	2,067.91	10.39	70.52	144.00	-1,127.60	-5,699.60	6,074.59	5,994.06	80.53	75.431		
2,200.00	2,163.43	2,165.43	2,165.43	10.88	73.92	144.12	-1,127.60	-5,699.60	6,092.67	6,008.27	84.39	72.193		
2,300.00	2,260.95	2,262.95	2,262.95	11.38	77.32	144.24	-1,127.60	-5,699.60	6,110.77	6,022.51	88.26	69.237		
2,400.00	2,358.46	2,360.46	2,360.46	11.89	80.73	144.36	-1,127.60	-5,699.60	6,128.90	6,036.77	92.13	66.528		
2,500.00	2,455.98	2,457.98	2,457.98	12.39	84.13	144.48	-1,127.60	-5,699.60	6,147.06	6,051.06	96.00	64.035		
2,600.00	2,553.50	2,555.50	2,555.50	12.89	87.53	144.60	-1,127.60	-5,699.60	6,165.24	6,065.37	99.87	61.735		
2,700.00	2,651.02	2,653.02	2,653.02	13.40	90.93	144.72	-1,127.60	-5,699.60	6,183.45	6,079.71	103.74	59.606		
2,800.00	2,748.54	2,750.54	2,750.54	13.91	94.33	144.83	-1,127.60	-5,699.60	6,201.68	6,094.07	107.61	57.629		
2,900.00	2,846.06	2,848.06	2,848.06	14.42	97.74	144.95	-1,127.60	-5,699.60	6,219.94	6,108.45	111.49	55.790		
3,000.00	2,943.58	2,945.58	2,945.58	14.93	101.14	145.06	-1,127.60	-5,699.60	6,238.22	6,122.86	115.37	54.074		
3,100.00	3,041.10	3,043.10	3,043.10	15.45	104.54	145.18	-1,127.60	-5,699.60	6,256.53	6,137.29	119.24	52.469		
3,200.00	3,138.61	3,140.61	3,140.61	15.96	107.94	145.29	-1,127.60	-5,699.60	6,274.86	6,151.74	123.12	50.965		
3,300.00	3,236.13	3,238.13	3,238.13	16.47	111.35	145.41	-1,127.60	-5,699.60	6,293.22	6,166.22	127.00	49.553		
3,400.00	3,333.65	3,335.65	3,335.65	16.99	114.75	145.52	-1,127.60	-5,699.60	6,311.60	6,180.72	130.88	48.224		
3,500.00	3,431.17	3,433.17	3,433.17	17.50	118.15	145.63	-1,127.60	-5,699.60	6,330.01	6,195.25	134.76	46.972		
3,600.00	3,528.69	3,530.69	3,530.69	18.02	121.56	145.75	-1,127.60	-5,699.60	6,348.44	6,209.80	138.64	45.790		
3,700.00	3,626.21	3,628.21	3,628.21	18.54	124.96	145.86	-1,127.60	-5,699.60	6,366.89	6,224.37	142.52	44.673		
3,800.00	3,723.73	3,725.73	3,725.73	19.06	128.36	145.97	-1,127.60	-5,699.60	6,385.37	6,238.96	146.41	43.614		
3,900.00	3,821.25	3,823.25	3,823.25	19.57	131.77	146.08	-1,127.60	-5,699.60	6,403.87	6,253.58	150.29	42.611		
4,000.00	3,918.77	3,920.77	3,920.77	20.09	135.17	146.19	-1,127.60	-5,699.60	6,422.39	6,268.22	154.17	41.658		
4,100.00	4,016.28	4,018.28	4,018.28	20.61	138.57	146.30	-1,127.60	-5,699.60	6,440.94	6,282.89	158.05	40.752		
4,200.00	4,113.80	4,115.80	4,115.80	21.13	141.98	146.40	-1,127.60	-5,699.60	6,459.51	6,297.57	161.94	39.889		
4,300.00	4,211.32	4,213.32	4,213.32	21.65	145.38	146.51	-1,127.60	-5,699.60	6,478.10	6,312.28	165.82	39.067		
4,400.00	4,308.84	4,310.84	4,310.84	22.17	148.78	146.62	-1,127.60	-5,699.60	6,496.71	6,327.01	169.70	38.283		
4,500.00	4,406.36	4,408.36	4,408.36	22.69	152.19	146.72	-1,127.60	-5,699.60	6,515.35	6,341.76	173.59	37.534		
4,600.00	4,503.88	4,505.88	4,505.88	23.21	155.59	146.83	-1,127.60	-5,699.60	6,534.00	6,356.53	177.47	36.817		
4,700.00	4,601.40	4,603.40	4,603.40	23.73	158.99	146.94	-1,127.60	-5,699.60	6,552.68	6,371.33	181.36	36.132		
4,800.00	4,698.92	4,700.92	4,700.92	24.26	162.40	147.04	-1,127.60	-5,699.60	6,571.38	6,386.14	185.24	35.475		
4,900.00	4,796.43	4,801.57	4,798.43	24.78	165.91	147.14	-1,127.60	-5,699.60	6,590.10	6,400.87	189.23	34.825		
5,000.00	4,893.95	4,904.05	4,895.95	25.30	169.49	147.25	-1,127.60	-5,699.60	6,608.85	6,415.56	193.29	34.191		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,006.53	4,993.47	25.82	173.06	147.35	-1,127.60	-5,699.60	6,627.61	6,430.26	197.35	33.583		
5,200.00	5,088.99	5,109.01	5,090.99	26.34	176.64	147.45	-1,127.60	-5,699.60	6,646.40	6,444.99	201.41	33.000		
5,300.00	5,186.51	5,188.51	5,188.51	26.87	179.42	147.55	-1,127.60	-5,699.60	6,665.20	6,460.54	204.66	32.567		
5,400.00	5,284.03	5,286.03	5,286.03	27.39	182.82	147.66	-1,127.60	-5,699.60	6,684.03	6,475.48	208.55	32.050		
5,500.00	5,381.55	5,383.55	5,383.55	27.91	186.22	147.76	-1,127.60	-5,699.60	6,702.87	6,490.44	212.43	31.553		
5,600.00	5,479.07	5,481.07	5,481.07	28.43	189.63	147.86	-1,127.60	-5,699.60	6,721.74	6,505.42	216.32	31.074		
5,700.00	5,576.58	5,578.58	5,578.58	28.96	193.03	147.96	-1,127.60	-5,699.60	6,740.62	6,520.42	220.20	30.611		
5,800.00	5,674.10	5,676.10	5,676.10	29.48	196.44	148.05	-1,127.60	-5,699.60	6,759.53	6,535.44	224.09	30.165		
5,900.00	5,771.62	5,773.62	5,773.62	30.00	199.84	148.15	-1,127.60	-5,699.60	6,778.45	6,550.48	227.97	29.734		
6,000.00	5,869.14	5,871.14	5,871.14	30.53	203.24	148.25	-1,127.60	-5,699.60	6,797.40	6,565.54	231.86	29.317		
6,100.00	5,966.66	5,968.66	5,968.66	31.05	206.65	148.35	-1,127.60	-5,699.60	6,816.36	6,580.62	235.74	28.915		
6,200.00	6,064.18	6,066.18	6,066.18	31.58	210.05	148.44	-1,127.60	-5,699.60	6,835.34	6,595.72	239.63	28.525		
6,300.00	6,161.70	6,163.70	6,163.70	32.10	213.45	148.54	-1,127.60	-5,699.60	6,854.35	6,610.83	243.51	28.148		
6,400.00	6,259.22	6,261.22	6,261.22	32.62	216.86	148.64	-1,127.60	-5,699.60	6,873.37	6,625.97	247.40	27.783		
6,500.00	6,356.74	6,358.74	6,358.74	33.15	220.26	148.73	-1,127.60	-5,699.60	6,892.41	6,641.12	251.28	27.429		
6,600.00	6,454.25	6,456.25	6,456.25	33.67	223.67	148.83	-1,127.60	-5,699.60	6,911.46	6,656.30	255.17	27.086		
6,623.48	6,477.15	6,479.15	6,479.15	33.80	224.47	148.85	-1,127.60	-5,699.60	6,915.94	6,659.86	256.08	27.007		
6,650.00	6,503.12	6,505.12	6,505.12	33.93	225.37	143.32	-1,127.60	-5,699.60	6,920.46	6,663.35	257.11	26.916		
6,700.00	6,552.50	6,554.50	6,554.50	34.16	227.10	124.51	-1,127.60	-5,699.60	6,926.01	6,666.95	259.06	26.735		
6,750.00	6,602.21	6,604.21	6,604.21	34.36	228.83	86.53	-1,127.60	-5,699.60	6,927.67	6,666.66	261.00	26.543		
6,800.00	6,651.92	6,653.92	6,653.92	34.54	230.57	47.62	-1,127.60	-5,699.60	6,925.41	6,662.49	262.92	26.341		
6,850.00	6,701.33	6,703.33	6,703.33	34.70	232.29	27.96	-1,127.60	-5,699.60	6,919.26	6,654.47	264.80	26.130		
6,900.00	6,750.14	6,752.14	6,752.14	34.86	234.00	18.44	-1,127.60	-5,699.60	6,909.26	6,642.62	266.64	25.912		
6,950.00	6,798.04	6,800.04	6,800.04	35.02	235.67	13.09	-1,127.60	-5,699.60	6,895.45	6,627.02	268.43	25.688		
7,000.00	6,844.75	6,846.75	6,846.75	35.19	237.30	9.69	-1,127.60	-5,699.60	6,877.94	6,607.78	270.16	25.459		
7,050.00	6,889.97	6,908.03	6,891.97	35.37	239.44	7.32	-1,127.60	-5,699.60	6,856.81	6,584.43	272.39	25.173		
7,100.00	6,933.42	6,935.42	6,935.42	35.57	240.39	5.54	-1,127.60	-5,699.60	6,832.22	6,558.81	273.41	24.989		
7,150.00	6,974.83	6,976.83	6,976.83	35.79	241.84	4.11	-1,127.60	-5,699.60	6,804.30	6,529.38	274.91	24.751		
7,200.00	7,013.96	7,015.96	7,015.96	36.02	243.20	2.88	-1,127.60	-5,699.60	6,773.22	6,496.90	276.32	24.512		
7,250.00	7,050.56	7,052.56	7,052.56	36.28	244.48	1.75	-1,127.60	-5,699.60	6,739.18	6,461.56	277.63	24.274		
7,300.00	7,084.39	7,086.39	7,086.39	36.57	245.66	0.65	-1,127.60	-5,699.60	6,702.40	6,423.57	278.83	24.038		
7,350.00	7,115.27	7,117.27	7,117.27	36.89	246.74	-0.50	-1,127.60	-5,699.60	6,663.08	6,383.17	279.92	23.804		
7,400.00	7,142.99	7,144.99	7,144.99	37.25	247.71	-1.79	-1,127.60	-5,699.60	6,621.49	6,340.60	280.89	23.573		
7,450.00	7,167.38	7,169.38	7,169.38	37.65	248.56	-3.36	-1,127.60	-5,699.60	6,577.87	6,296.13	281.74	23.347		
7,500.00	7,188.30	7,209.70	7,190.30	38.08	249.97	-5.40	-1,127.60	-5,699.60	6,532.49	6,249.35	283.14	23.071		
7,550.00	7,205.61	7,207.61	7,207.61	38.55	249.89	-8.32	-1,127.60	-5,699.60	6,485.63	6,202.57	283.06	22.912		
7,600.00	7,219.20	7,221.20	7,221.20	39.06	250.37	-12.98	-1,127.60	-5,699.60	6,437.59	6,154.06	283.53	22.705		
7,650.00	7,229.00	7,231.00	7,231.00	39.61	250.71	-21.63	-1,127.60	-5,699.60	6,388.66	6,104.79	283.87	22.506		
7,700.00	7,234.95	7,236.95	7,236.95	40.18	250.92	-41.53	-1,127.60	-5,699.60	6,339.13	6,055.06	284.08	22.315		
7,750.07	7,237.00	7,239.00	7,239.00	40.78	250.99	-88.65	-1,127.60	-5,699.60	6,289.26	6,005.11	284.15	22.133		
7,800.00	7,237.09	7,239.09	7,239.09	41.41	250.99	-88.66	-1,127.60	-5,699.60	6,239.49	5,955.32	284.17	21.957		
7,900.00	7,237.28	7,239.28	7,239.28	42.79	251.00	-88.69	-1,127.60	-5,699.60	6,139.81	5,855.61	284.20	21.604		
8,000.00	7,237.47	7,239.47	7,239.47	44.31	251.01	-88.71	-1,127.60	-5,699.60	6,040.14	5,755.91	284.23	21.251		
8,100.00	7,237.65	7,239.65	7,239.65	45.97	251.01	-88.73	-1,127.60	-5,699.60	5,940.49	5,656.22	284.27	20.897		
8,200.00	7,237.84	7,239.84	7,239.84	47.75	251.02	-88.75	-1,127.60	-5,699.60	5,840.84	5,556.53	284.31	20.544		
8,300.00	7,238.02	7,240.02	7,240.02	49.63	251.03	-88.77	-1,127.60	-5,699.60	5,741.21	5,456.85	284.36	20.190		
8,400.00	7,238.21	7,240.21	7,240.21	51.61	251.03	-88.79	-1,127.60	-5,699.60	5,641.60	5,357.18	284.42	19.836		
8,500.00	7,238.40	7,240.40	7,240.40	53.66	251.04	-88.81	-1,127.60	-5,699.60	5,541.99	5,257.52	284.47	19.482		
8,600.00	7,238.58	7,240.58	7,240.58	55.79	251.05	-88.84	-1,127.60	-5,699.60	5,442.40	5,157.86	284.54	19.127		
8,700.00	7,238.77	7,240.77	7,240.77	57.99	251.05	-88.86	-1,127.60	-5,699.60	5,342.83	5,058.22	284.61	18.773		
8,800.00	7,238.96	7,240.96	7,240.96	60.24	251.06	-88.88	-1,127.60	-5,699.60	5,243.27	4,958.58	284.69	18.418		
8,900.00	7,239.14	7,241.14	7,241.14	62.54	251.06	-88.90	-1,127.60	-5,699.60	5,143.73	4,858.96	284.77	18.063		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,241.33	7,241.33	64.88	251.07	-88.92	-1,127.60	-5,699.60	5,044.21	4,759.34	284.86	17.708		
9,100.00	7,239.52	7,241.52	7,241.52	67.27	251.08	-88.94	-1,127.60	-5,699.60	4,944.70	4,659.74	284.96	17.352		
9,200.00	7,239.70	7,241.70	7,241.70	69.69	251.08	-88.96	-1,127.60	-5,699.60	4,845.22	4,560.15	285.07	16.996		
9,300.00	7,239.89	7,241.89	7,241.89	72.15	251.09	-88.99	-1,127.60	-5,699.60	4,745.76	4,460.57	285.19	16.641		
9,400.00	7,240.07	7,242.07	7,242.07	74.63	251.10	-89.01	-1,127.60	-5,699.60	4,646.32	4,361.00	285.32	16.285		
9,500.00	7,240.26	7,242.26	7,242.26	77.14	251.10	-89.03	-1,127.60	-5,699.60	4,546.90	4,261.44	285.46	15.928		
9,600.00	7,240.45	7,242.45	7,242.45	79.68	251.11	-89.05	-1,127.60	-5,699.60	4,447.52	4,161.90	285.62	15.572		
9,700.00	7,240.63	7,242.63	7,242.63	82.23	251.12	-89.07	-1,127.60	-5,699.60	4,348.16	4,062.38	285.78	15.215		
9,800.00	7,240.82	7,242.82	7,242.82	84.81	251.12	-89.09	-1,127.60	-5,699.60	4,248.83	3,962.86	285.96	14.858		
9,900.00	7,241.01	7,243.01	7,243.01	87.40	251.13	-89.12	-1,127.60	-5,699.60	4,149.53	3,863.37	286.16	14.501		
10,000.00	7,241.19	7,243.19	7,243.19	90.01	251.14	-89.14	-1,127.60	-5,699.60	4,050.27	3,763.89	286.38	14.143		
10,100.00	7,241.38	7,243.38	7,243.38	92.64	251.14	-89.16	-1,127.60	-5,699.60	3,951.04	3,664.43	286.61	13.785		
10,200.00	7,241.56	7,243.56	7,243.56	95.28	251.15	-89.18	-1,127.60	-5,699.60	3,851.86	3,564.99	286.87	13.427		
10,300.00	7,241.75	7,243.75	7,243.75	97.93	251.16	-89.20	-1,127.60	-5,699.60	3,752.72	3,465.56	287.15	13.069		
10,400.00	7,241.94	7,243.94	7,243.94	100.59	251.16	-89.22	-1,127.60	-5,699.60	3,653.62	3,366.16	287.46	12.710		
10,500.00	7,242.12	7,244.12	7,244.12	103.26	251.17	-89.24	-1,127.60	-5,699.60	3,554.58	3,266.78	287.80	12.351		
10,600.00	7,242.31	7,244.31	7,244.31	105.95	251.18	-89.27	-1,127.60	-5,699.60	3,455.59	3,167.42	288.16	11.992		
10,700.00	7,242.50	7,244.50	7,244.50	108.64	251.18	-89.29	-1,127.60	-5,699.60	3,356.66	3,068.09	288.57	11.632		
10,800.00	7,242.68	7,244.68	7,244.68	111.34	251.19	-89.31	-1,127.60	-5,699.60	3,257.79	2,968.78	289.01	11.272		
10,900.00	7,242.87	7,244.87	7,244.87	114.05	251.19	-89.33	-1,127.60	-5,699.60	3,159.00	2,869.50	289.49	10.912		
11,000.00	7,243.05	7,245.05	7,245.05	116.76	251.20	-89.35	-1,127.60	-5,699.60	3,060.28	2,770.26	290.03	10.552		
11,100.00	7,243.24	7,245.24	7,245.24	119.49	251.21	-89.37	-1,127.60	-5,699.60	2,961.66	2,671.04	290.62	10.191		
11,200.00	7,243.43	7,245.43	7,245.43	122.22	251.21	-89.39	-1,127.60	-5,699.60	2,863.12	2,571.85	291.27	9.830		
11,300.00	7,243.61	7,245.61	7,245.61	124.95	251.22	-89.42	-1,127.60	-5,699.60	2,764.70	2,472.70	291.99	9.468		
11,400.00	7,243.80	7,245.80	7,245.80	127.69	251.23	-89.44	-1,127.60	-5,699.60	2,666.38	2,373.59	292.79	9.107		
11,500.00	7,243.99	7,245.99	7,245.99	130.44	251.23	-89.46	-1,127.60	-5,699.60	2,568.20	2,274.53	293.68	8.745		
11,600.00	7,244.17	7,246.17	7,246.17	133.19	251.24	-89.48	-1,127.60	-5,699.60	2,470.17	2,175.50	294.67	8.383		
11,700.00	7,244.36	7,246.36	7,246.36	135.94	251.25	-89.50	-1,127.60	-5,699.60	2,372.30	2,076.53	295.77	8.021		
11,800.00	7,244.55	7,246.55	7,246.55	138.70	251.25	-89.52	-1,127.60	-5,699.60	2,274.61	1,977.62	297.00	7.659		
11,900.00	7,244.73	7,246.73	7,246.73	141.47	251.26	-89.54	-1,127.60	-5,699.60	2,177.14	1,878.77	298.37	7.297		
12,000.00	7,244.92	7,246.92	7,246.92	144.24	251.27	-89.57	-1,127.60	-5,699.60	2,079.90	1,779.98	299.92	6.935		
12,100.00	7,245.10	7,247.10	7,247.10	147.01	251.27	-89.59	-1,127.60	-5,699.60	1,982.94	1,681.28	301.67	6.573		
12,200.00	7,245.29	7,247.29	7,247.29	149.78	251.28	-89.61	-1,127.60	-5,699.60	1,886.30	1,582.67	303.64	6.212		
12,300.00	7,245.48	7,247.48	7,247.48	152.56	251.29	-89.63	-1,127.60	-5,699.60	1,790.03	1,484.16	305.87	5.852		
12,400.00	7,245.66	7,247.66	7,247.66	155.34	251.29	-89.65	-1,127.60	-5,699.60	1,694.18	1,385.78	308.41	5.493		
12,500.00	7,245.85	7,247.85	7,247.85	158.12	251.30	-89.67	-1,127.60	-5,699.60	1,598.85	1,287.55	311.31	5.136		
12,600.00	7,246.04	7,248.04	7,248.04	160.91	251.31	-89.70	-1,127.60	-5,699.60	1,504.12	1,189.50	314.63	4.781		
12,700.00	7,246.22	7,248.22	7,248.22	163.70	251.31	-89.72	-1,127.60	-5,699.60	1,410.13	1,091.68	318.45	4.428		
12,800.00	7,246.41	7,248.41	7,248.41	166.49	251.32	-89.74	-1,127.60	-5,699.60	1,317.01	994.15	322.87	4.079		
12,900.00	7,246.59	7,248.59	7,248.59	169.28	251.32	-89.76	-1,127.60	-5,699.60	1,224.98	896.99	328.00	3.735		
13,000.00	7,246.78	7,248.78	7,248.78	172.08	251.33	-89.78	-1,127.60	-5,699.60	1,134.31	800.33	333.98	3.396		
13,100.00	7,246.97	7,248.97	7,248.97	174.88	251.34	-89.80	-1,127.60	-5,699.60	1,045.33	704.35	340.98	3.066		
13,200.00	7,247.15	7,249.15	7,249.15	177.68	251.34	-89.82	-1,127.60	-5,699.60	958.53	609.33	349.20	2.745		
13,300.00	7,247.34	7,249.34	7,249.34	180.48	251.35	-89.85	-1,127.60	-5,699.60	874.55	515.68	358.88	2.437		
13,400.00	7,247.53	7,249.53	7,249.53	183.28	251.36	-89.87	-1,127.60	-5,699.60	794.30	424.08	370.22	2.145		
13,500.00	7,247.71	7,249.71	7,249.71	186.09	251.36	-89.89	-1,127.60	-5,699.60	719.01	335.63	383.38	1.875		
13,600.00	7,247.90	7,249.90	7,249.90	188.90	251.37	-89.91	-1,127.60	-5,699.60	650.41	252.11	398.30	1.633		
13,700.00	7,248.08	7,250.08	7,250.08	191.70	251.38	-89.93	-1,127.60	-5,699.60	590.85	176.41	414.44	1.426 Level 3		
13,800.00	7,248.27	7,250.27	7,250.27	194.52	251.38	-89.95	-1,127.60	-5,699.60	543.29	112.89	430.40	1.262 Level 3		
13,900.00	7,248.46	7,250.46	7,250.46	197.33	251.39	-89.97	-1,127.60	-5,699.60	511.11	67.38	443.73	1.152 Level 2		
14,000.00	7,248.64	7,250.64	7,250.64	200.14	251.40	-90.00	-1,127.60	-5,699.60	497.29	45.85	451.43	1.102 Level 2		
14,019.68	7,248.68	7,250.68	7,250.68	200.69	251.40	-90.00	-1,127.60	-5,699.60	496.90	44.81	452.09	1.099 Level 2, CC, ES, SF		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,250.83	7,250.83	202.95	251.40	-90.02	-1,127.60	-5,699.60	503.35	51.74	451.61	1.115	Level 2	
14,200.00	7,249.02	7,251.02	7,251.02	205.77	251.41	-90.04	-1,127.60	-5,699.60	528.61	83.88	444.73	1.189	Level 2	
14,300.00	7,249.20	7,251.20	7,251.20	208.59	251.42	-90.06	-1,127.60	-5,699.60	570.51	137.29	433.22	1.317	Level 3	
14,400.00	7,249.39	7,251.39	7,251.39	211.41	251.42	-90.08	-1,127.60	-5,699.60	625.74	205.92	419.82	1.491	Level 3	
14,500.00	7,249.58	7,251.58	7,251.58	214.23	251.43	-90.10	-1,127.60	-5,699.60	691.10	284.66	406.44	1.700		
14,600.00	7,249.76	7,251.76	7,251.76	217.05	251.44	-90.12	-1,127.60	-5,699.60	763.99	369.89	394.10	1.939		
14,700.00	7,249.95	7,251.95	7,251.95	219.87	251.44	-90.15	-1,127.60	-5,699.60	842.46	459.31	383.15	2.199		
14,800.00	7,250.13	7,252.13	7,252.13	222.69	251.45	-90.17	-1,127.60	-5,699.60	925.10	551.48	373.62	2.476		
14,900.00	7,250.32	7,252.32	7,252.32	225.51	251.45	-90.19	-1,127.60	-5,699.60	1,010.88	645.48	365.39	2.767		
15,000.00	7,250.51	7,252.51	7,252.51	228.34	251.46	-90.21	-1,127.60	-5,699.60	1,099.06	740.76	358.30	3.067		
15,100.00	7,250.69	7,252.69	7,252.69	231.16	251.47	-90.23	-1,127.60	-5,699.60	1,189.12	836.93	352.18	3.376		
15,200.00	7,250.88	7,252.88	7,252.88	233.99	251.47	-90.25	-1,127.60	-5,699.60	1,280.65	933.77	346.88	3.692		
15,300.00	7,251.07	7,253.07	7,253.07	236.82	251.48	-90.28	-1,127.60	-5,699.60	1,373.36	1,031.10	342.26	4.013		
15,400.00	7,251.25	7,253.25	7,253.25	239.65	251.49	-90.30	-1,127.60	-5,699.60	1,467.03	1,128.80	338.23	4.337		
15,500.00	7,251.44	7,253.44	7,253.44	242.47	251.49	-90.32	-1,127.60	-5,699.60	1,561.49	1,226.80	334.69	4.666		
15,600.00	7,251.62	7,253.62	7,253.62	245.30	251.50	-90.34	-1,127.60	-5,699.60	1,656.60	1,325.04	331.56	4.996		
15,700.00	7,251.81	7,253.81	7,253.81	248.13	251.51	-90.36	-1,127.60	-5,699.60	1,752.25	1,423.46	328.79	5.329		
15,800.00	7,252.00	7,254.00	7,254.00	250.97	251.51	-90.38	-1,127.60	-5,699.60	1,848.36	1,522.04	326.32	5.664		
15,900.00	7,252.18	7,254.18	7,254.18	253.80	251.52	-90.40	-1,127.60	-5,699.60	1,944.87	1,620.75	324.11	6.001		
16,000.00	7,252.37	7,254.37	7,254.37	256.63	251.53	-90.43	-1,127.60	-5,699.60	2,041.71	1,719.57	322.13	6.338		
16,100.00	7,252.56	7,254.56	7,254.56	259.46	251.53	-90.45	-1,127.60	-5,699.60	2,138.84	1,818.49	320.35	6.677		
16,200.00	7,252.74	7,254.74	7,254.74	262.30	251.54	-90.47	-1,127.60	-5,699.60	2,236.22	1,917.48	318.74	7.016		
16,300.00	7,252.93	7,254.93	7,254.93	265.13	251.55	-90.49	-1,127.60	-5,699.60	2,333.83	2,016.54	317.29	7.356		
16,400.00	7,253.11	7,255.11	7,255.11	267.96	251.55	-90.51	-1,127.60	-5,699.60	2,431.63	2,115.66	315.97	7.696		
16,500.00	7,253.30	7,255.30	7,255.30	270.80	251.56	-90.53	-1,127.60	-5,699.60	2,529.60	2,214.84	314.76	8.036		
16,600.00	7,253.49	7,255.49	7,255.49	273.64	251.57	-90.55	-1,127.60	-5,699.60	2,627.72	2,314.06	313.67	8.377		
16,700.00	7,253.67	7,255.67	7,255.67	276.47	251.57	-90.58	-1,127.60	-5,699.60	2,725.99	2,413.32	312.66	8.719		
16,800.00	7,253.86	7,255.86	7,255.86	279.31	251.58	-90.60	-1,127.60	-5,699.60	2,824.37	2,512.63	311.74	9.060		
16,900.00	7,254.05	7,256.05	7,256.05	282.15	251.58	-90.62	-1,127.60	-5,699.60	2,922.86	2,611.96	310.90	9.401		
17,000.00	7,254.23	7,256.23	7,256.23	284.98	251.59	-90.64	-1,127.60	-5,699.60	3,021.45	2,711.33	310.12	9.743		
17,100.00	7,254.42	7,256.42	7,256.42	287.82	251.60	-90.66	-1,127.60	-5,699.60	3,120.14	2,810.73	309.41	10.084		
17,200.00	7,254.61	7,256.61	7,256.61	290.66	251.60	-90.68	-1,127.60	-5,699.60	3,218.90	2,910.15	308.75	10.426		
17,300.00	7,254.79	7,256.79	7,256.79	293.50	251.61	-90.70	-1,127.60	-5,699.60	3,317.74	3,009.59	308.14	10.767		
17,400.00	7,254.98	7,256.98	7,256.98	296.34	251.62	-90.73	-1,127.60	-5,699.60	3,416.64	3,109.06	307.58	11.108		
17,500.00	7,255.16	7,257.16	7,257.16	299.18	251.62	-90.75	-1,127.60	-5,699.60	3,515.61	3,208.54	307.06	11.449		
17,600.00	7,255.35	7,257.35	7,257.35	302.02	251.63	-90.77	-1,127.60	-5,699.60	3,614.63	3,308.05	306.58	11.790		
17,700.00	7,255.54	7,257.54	7,257.54	304.86	251.64	-90.79	-1,127.60	-5,699.60	3,713.71	3,407.57	306.14	12.131		
17,800.00	7,255.72	7,257.72	7,257.72	307.70	251.64	-90.81	-1,127.60	-5,699.60	3,812.83	3,507.10	305.73	12.471		
17,900.00	7,255.91	7,257.91	7,257.91	310.54	251.65	-90.83	-1,127.60	-5,699.60	3,912.00	3,606.66	305.34	12.812		
18,000.00	7,256.10	7,258.10	7,258.10	313.39	251.66	-90.85	-1,127.60	-5,699.60	4,011.21	3,706.22	304.99	13.152		
18,100.00	7,256.28	7,258.28	7,258.28	316.23	251.66	-90.88	-1,127.60	-5,699.60	4,110.46	3,805.80	304.66	13.492		
18,200.00	7,256.47	7,258.47	7,258.47	319.07	251.67	-90.90	-1,127.60	-5,699.60	4,209.74	3,905.39	304.36	13.832		
18,300.00	7,256.65	7,258.65	7,258.65	321.91	251.68	-90.92	-1,127.60	-5,699.60	4,309.06	4,004.99	304.07	14.171		
18,400.00	7,256.84	7,258.84	7,258.84	324.76	251.68	-90.94	-1,127.60	-5,699.60	4,408.41	4,104.60	303.81	14.510		
18,500.00	7,257.03	7,259.03	7,259.03	327.60	251.69	-90.96	-1,127.60	-5,699.60	4,507.78	4,204.22	303.57	14.849		
18,600.00	7,257.21	7,259.21	7,259.21	330.44	251.70	-90.98	-1,127.60	-5,699.60	4,607.19	4,303.85	303.34	15.188		
18,700.00	7,257.40	7,259.40	7,259.40	333.29	251.70	-91.01	-1,127.60	-5,699.60	4,706.62	4,403.48	303.13	15.527		
18,800.00	7,257.59	7,259.59	7,259.59	336.13	251.71	-91.03	-1,127.60	-5,699.60	4,806.07	4,503.13	302.94	15.865		
18,900.00	7,257.77	7,259.77	7,259.77	338.98	251.72	-91.05	-1,127.60	-5,699.60	4,905.54	4,602.78	302.76	16.203		
19,000.00	7,257.96	7,259.96	7,259.96	341.82	251.72	-91.07	-1,127.60	-5,699.60	5,005.04	4,702.44	302.60	16.540		
19,022.43	7,258.00	7,260.00	7,260.00	342.46	251.72	-91.07	-1,127.60	-5,699.60	5,027.36	4,724.80	302.56	16.616		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-78.00	1,501.95	-7,066.59	7,224.44					
100.00	100.00	140.00	140.00	3.28	4.54	-78.00	1,501.95	-7,066.59	7,224.44	7,216.62	7.83	923.049		
200.00	200.00	240.00	240.00	3.34	7.40	-78.00	1,501.95	-7,066.59	7,224.44	7,213.71	10.74	672.879		
300.00	300.00	340.00	340.00	3.44	10.64	-78.00	1,501.95	-7,066.59	7,224.44	7,210.36	14.09	512.848		
400.00	399.98	439.98	439.98	3.60	14.00	165.99	1,501.95	-7,066.59	7,226.14	7,208.53	17.60	410.533		
500.00	499.84	539.84	539.84	3.79	17.41	165.98	1,501.95	-7,066.59	7,231.21	7,210.01	21.21	341.004		
600.00	599.45	639.45	639.45	4.03	20.84	165.96	1,501.95	-7,066.59	7,239.67	7,214.80	24.87	291.122		
700.00	698.70	738.70	738.70	4.30	24.27	165.92	1,501.95	-7,066.59	7,251.50	7,222.93	28.57	253.830		
800.00	797.47	837.47	837.47	4.61	27.69	165.88	1,501.95	-7,066.59	7,266.68	7,234.39	32.29	225.035		
900.00	895.62	935.62	935.62	4.96	31.09	165.82	1,501.95	-7,066.59	7,285.20	7,249.18	36.03	202.222		
939.50	934.20	974.20	974.20	5.10	32.43	165.80	1,501.95	-7,066.59	7,293.43	7,255.93	37.51	194.465		
1,000.00	993.20	1,033.20	1,033.20	5.33	34.48	165.82	1,501.95	-7,066.59	7,306.44	7,266.67	39.77	183.738		
1,100.00	1,090.72	1,130.72	1,130.72	5.73	37.87	165.86	1,501.95	-7,066.59	7,327.93	7,284.42	43.52	168.397		
1,200.00	1,188.24	1,228.24	1,228.24	6.15	41.26	165.91	1,501.95	-7,066.59	7,349.43	7,302.15	47.28	155.431		
1,300.00	1,285.76	1,325.76	1,325.76	6.59	44.66	165.95	1,501.95	-7,066.59	7,370.94	7,319.87	51.07	144.337		
1,400.00	1,383.28	1,423.28	1,423.28	7.04	48.05	165.99	1,501.95	-7,066.59	7,392.45	7,337.58	54.86	134.743		
1,500.00	1,480.80	1,520.80	1,520.80	7.50	51.45	166.03	1,501.95	-7,066.59	7,413.96	7,355.29	58.67	126.370		
1,600.00	1,578.31	1,618.31	1,618.31	7.96	54.85	166.07	1,501.95	-7,066.59	7,435.47	7,372.99	62.48	119.000		
1,700.00	1,675.83	1,715.83	1,715.83	8.44	58.25	166.11	1,501.95	-7,066.59	7,456.99	7,390.69	66.30	112.467		
1,800.00	1,773.35	1,813.35	1,813.35	8.92	61.65	166.15	1,501.95	-7,066.59	7,478.52	7,408.39	70.13	106.636		
1,900.00	1,870.87	1,910.87	1,910.87	9.40	65.05	166.19	1,501.95	-7,066.59	7,500.04	7,426.08	73.96	101.402		
2,000.00	1,968.39	2,008.39	2,008.39	9.89	68.45	166.23	1,501.95	-7,066.59	7,521.57	7,443.77	77.80	96.678		
2,100.00	2,065.91	2,105.91	2,105.91	10.39	71.85	166.27	1,501.95	-7,066.59	7,543.11	7,461.47	81.64	92.394		
2,200.00	2,163.43	2,203.43	2,203.43	10.88	75.25	166.31	1,501.95	-7,066.59	7,564.64	7,479.16	85.48	88.491		
2,300.00	2,260.95	2,300.95	2,300.95	11.38	78.65	166.35	1,501.95	-7,066.59	7,586.18	7,496.85	89.33	84.922		
2,400.00	2,358.46	2,401.54	2,398.46	11.89	82.16	166.39	1,501.95	-7,066.59	7,607.73	7,514.44	93.29	81.551		
2,500.00	2,455.98	2,504.02	2,495.98	12.39	85.73	166.43	1,501.95	-7,066.59	7,629.28	7,531.96	97.11	78.400		
2,600.00	2,553.50	2,606.50	2,593.50	12.89	89.31	166.47	1,501.95	-7,066.59	7,650.83	7,549.49	101.34	75.497		
2,700.00	2,651.02	2,708.98	2,691.02	13.40	92.88	166.51	1,501.95	-7,066.59	7,672.38	7,567.01	105.37	72.815		
2,800.00	2,748.54	2,788.54	2,788.54	13.91	95.66	166.55	1,501.95	-7,066.59	7,693.94	7,585.34	108.60	70.848		
2,900.00	2,846.06	2,886.06	2,886.06	14.42	99.06	166.59	1,501.95	-7,066.59	7,715.50	7,603.04	112.46	68.609		
3,000.00	2,943.58	2,983.58	2,983.58	14.93	102.46	166.62	1,501.95	-7,066.59	7,737.06	7,620.75	116.32	66.518		
3,100.00	3,041.10	3,081.10	3,081.10	15.45	105.87	166.66	1,501.95	-7,066.59	7,758.63	7,638.45	120.18	64.560		
3,200.00	3,138.61	3,178.61	3,178.61	15.96	109.27	166.70	1,501.95	-7,066.59	7,780.20	7,656.16	124.04	62.724		
3,300.00	3,236.13	3,276.13	3,276.13	16.47	112.67	166.74	1,501.95	-7,066.59	7,801.77	7,673.87	127.90	60.999		
3,400.00	3,333.65	3,373.65	3,373.65	16.99	116.08	166.77	1,501.95	-7,066.59	7,823.35	7,691.59	131.76	59.374		
3,500.00	3,431.17	3,471.17	3,471.17	17.50	119.48	166.81	1,501.95	-7,066.59	7,844.93	7,709.30	135.63	57.841		
3,600.00	3,528.69	3,568.69	3,568.69	18.02	122.88	166.85	1,501.95	-7,066.59	7,866.51	7,727.02	139.49	56.393		
3,700.00	3,626.21	3,666.21	3,666.21	18.54	126.28	166.88	1,501.95	-7,066.59	7,888.10	7,744.74	143.36	55.023		
3,800.00	3,723.73	3,763.73	3,763.73	19.06	129.69	166.92	1,501.95	-7,066.59	7,909.69	7,762.46	147.23	53.725		
3,900.00	3,821.25	3,861.25	3,861.25	19.57	133.09	166.96	1,501.95	-7,066.59	7,931.28	7,780.19	151.09	52.493		
4,000.00	3,918.77	3,958.77	3,958.77	20.09	136.49	166.99	1,501.95	-7,066.59	7,952.88	7,797.92	154.96	51.322		
4,100.00	4,016.28	4,056.28	4,056.28	20.61	139.90	167.03	1,501.95	-7,066.59	7,974.47	7,815.65	158.83	50.209		
4,200.00	4,113.80	4,153.80	4,153.80	21.13	143.30	167.06	1,501.95	-7,066.59	7,996.07	7,833.38	162.69	49.148		
4,300.00	4,211.32	4,251.32	4,251.32	21.65	146.71	167.10	1,501.95	-7,066.59	8,017.68	7,851.12	166.56	48.136		
4,400.00	4,308.84	4,348.84	4,348.84	22.17	150.11	167.13	1,501.95	-7,066.59	8,039.29	7,868.85	170.43	47.170		
4,500.00	4,406.36	4,446.36	4,446.36	22.69	153.51	167.17	1,501.95	-7,066.59	8,060.90	7,886.59	174.30	46.247		
4,600.00	4,503.88	4,543.88	4,543.88	23.21	156.92	167.20	1,501.95	-7,066.59	8,082.51	7,904.34	178.17	45.364		
4,700.00	4,601.40	4,641.40	4,641.40	23.73	160.32	167.24	1,501.95	-7,066.59	8,104.12	7,922.08	182.04	44.518		
4,800.00	4,698.92	4,738.92	4,738.92	24.26	163.72	167.27	1,501.95	-7,066.59	8,125.74	7,939.83	185.91	43.708		
4,900.00	4,796.43	4,836.43	4,836.43	24.78	167.13	167.31	1,501.95	-7,066.59	8,147.36	7,957.58	189.78	42.930		
5,000.00	4,893.95	4,933.95	4,933.95	25.30	170.53	167.34	1,501.95	-7,066.59	8,168.99	7,975.33	193.65	42.184		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,031.47	5,031.47	25.82	173.93	167.37	1,501.95	-7,066.59	8,190.61	7,993.09	197.52	41.467		
5,200.00	5,088.99	5,128.99	5,128.99	26.34	177.34	167.41	1,501.95	-7,066.59	8,212.24	8,010.85	201.39	40.777		
5,300.00	5,186.51	5,226.51	5,226.51	26.87	180.74	167.44	1,501.95	-7,066.59	8,233.87	8,028.61	205.27	40.113		
5,400.00	5,284.03	5,324.03	5,324.03	27.39	184.15	167.48	1,501.95	-7,066.59	8,255.51	8,046.37	209.14	39.474		
5,500.00	5,381.55	5,421.55	5,421.55	27.91	187.55	167.51	1,501.95	-7,066.59	8,277.15	8,064.14	213.01	38.858		
5,600.00	5,479.07	5,519.07	5,519.07	28.43	190.95	167.54	1,501.95	-7,066.59	8,298.79	8,081.90	216.88	38.264		
5,700.00	5,576.58	5,616.58	5,616.58	28.96	194.36	167.57	1,501.95	-7,066.59	8,320.43	8,099.68	220.75	37.691		
5,800.00	5,674.10	5,714.10	5,714.10	29.48	197.76	167.61	1,501.95	-7,066.59	8,342.07	8,117.45	224.63	37.138		
5,900.00	5,771.62	5,811.62	5,811.62	30.00	201.17	167.64	1,501.95	-7,066.59	8,363.72	8,135.22	228.50	36.603		
6,000.00	5,869.14	5,909.14	5,909.14	30.53	204.57	167.67	1,501.95	-7,066.59	8,385.37	8,153.00	232.37	36.086		
6,100.00	5,966.66	6,006.66	6,006.66	31.05	207.97	167.70	1,501.95	-7,066.59	8,407.02	8,170.78	236.24	35.586		
6,200.00	6,064.18	6,104.18	6,104.18	31.58	211.38	167.74	1,501.95	-7,066.59	8,428.68	8,188.56	240.12	35.102		
6,300.00	6,161.70	6,201.70	6,201.70	32.10	214.78	167.77	1,501.95	-7,066.59	8,450.34	8,206.35	243.99	34.634		
6,400.00	6,259.22	6,300.78	6,299.22	32.62	218.24	167.80	1,501.95	-7,066.59	8,472.00	8,224.08	247.92	34.173		
6,500.00	6,356.74	6,403.27	6,396.74	33.15	221.82	167.83	1,501.95	-7,066.59	8,493.66	8,241.70	251.96	33.710		
6,600.00	6,454.25	6,505.75	6,494.25	33.67	225.39	167.86	1,501.95	-7,066.59	8,515.33	8,259.32	256.01	33.262		
6,623.48	6,477.15	6,517.15	6,517.15	33.80	225.79	167.87	1,501.95	-7,066.59	8,520.41	8,263.89	256.52	33.216		
6,650.00	6,503.12	6,543.12	6,543.12	33.93	226.70	162.17	1,501.95	-7,066.59	8,525.64	8,268.09	257.55	33.103		
6,700.00	6,552.50	6,607.50	6,592.50	34.16	228.95	143.15	1,501.95	-7,066.59	8,532.61	8,272.59	260.02	32.815		
6,750.00	6,602.21	6,642.21	6,642.21	34.36	230.16	105.07	1,501.95	-7,066.59	8,535.79	8,274.35	261.44	32.649		
6,800.00	6,651.92	6,708.08	6,691.92	34.54	232.46	66.19	1,501.95	-7,066.59	8,535.17	8,271.25	263.92	32.339		
6,850.00	6,701.33	6,741.33	6,741.33	34.70	233.62	46.68	1,501.95	-7,066.59	8,530.75	8,265.50	265.25	32.161		
6,900.00	6,750.14	6,809.86	6,790.14	34.86	236.01	37.43	1,501.95	-7,066.59	8,522.56	8,254.77	267.78	31.826		
6,950.00	6,798.04	6,838.04	6,838.04	35.02	236.99	32.48	1,501.95	-7,066.59	8,510.65	8,241.76	268.89	31.651		
7,000.00	6,844.75	6,884.75	6,884.75	35.19	238.62	29.64	1,501.95	-7,066.59	8,495.09	8,224.47	270.62	31.391		
7,050.00	6,889.97	6,929.97	6,929.97	35.37	240.20	27.98	1,501.95	-7,066.59	8,475.99	8,203.71	272.29	31.129		
7,100.00	6,933.42	6,973.42	6,973.42	35.57	241.72	27.10	1,501.95	-7,066.59	8,453.47	8,179.60	273.87	30.867		
7,150.00	6,974.83	7,014.83	7,014.83	35.79	243.16	26.80	1,501.95	-7,066.59	8,427.67	8,152.30	275.37	30.605		
7,200.00	7,013.96	7,053.96	7,053.96	36.02	244.53	26.97	1,501.95	-7,066.59	8,398.74	8,121.97	276.77	30.345		
7,250.00	7,050.56	7,109.44	7,090.56	36.28	246.47	27.58	1,501.95	-7,066.59	8,366.88	8,088.14	278.74	30.017		
7,300.00	7,084.39	7,124.40	7,124.40	36.57	246.99	28.65	1,501.95	-7,066.59	8,332.27	8,053.00	279.27	29.836		
7,350.00	7,115.27	7,155.27	7,155.27	36.89	248.07	30.22	1,501.95	-7,066.59	8,295.14	8,014.78	280.36	29.588		
7,400.00	7,142.99	7,182.99	7,182.99	37.25	249.03	32.40	1,501.95	-7,066.59	8,255.71	7,974.37	281.33	29.345		
7,450.00	7,167.38	7,207.38	7,207.38	37.65	249.89	35.34	1,501.95	-7,066.59	8,214.22	7,932.04	282.18	29.109		
7,500.00	7,188.30	7,228.30	7,228.30	38.08	250.62	39.30	1,501.95	-7,066.59	8,170.95	7,888.03	282.92	28.881		
7,550.00	7,205.61	7,245.61	7,245.61	38.55	251.22	44.63	1,501.95	-7,066.59	8,126.15	7,842.62	283.53	28.661		
7,600.00	7,219.20	7,259.20	7,259.20	39.06	251.70	51.85	1,501.95	-7,066.59	8,080.10	7,796.08	284.02	28.450		
7,650.00	7,229.00	7,269.00	7,269.00	39.61	252.04	61.59	1,501.95	-7,066.59	8,033.08	7,748.70	284.38	28.248		
7,700.00	7,234.95	7,274.95	7,274.95	40.18	252.24	74.30	1,501.95	-7,066.59	7,985.38	7,700.77	284.62	28.057		
7,750.07	7,237.00	7,277.00	7,277.00	40.78	252.32	89.62	1,501.95	-7,066.59	7,937.24	7,652.51	284.73	27.876		
7,800.00	7,237.09	7,277.09	7,277.09	41.41	252.32	89.62	1,501.95	-7,066.59	7,889.15	7,604.36	284.79	27.702		
7,900.00	7,237.28	7,277.28	7,277.28	42.79	252.33	89.62	1,501.95	-7,066.59	7,792.90	7,507.98	284.91	27.352		
8,000.00	7,237.47	7,277.47	7,277.47	44.31	252.33	89.63	1,501.95	-7,066.59	7,696.75	7,411.68	285.07	27.000		
8,100.00	7,237.65	7,277.65	7,277.65	45.97	252.34	89.63	1,501.95	-7,066.59	7,600.69	7,315.44	285.25	26.646		
8,200.00	7,237.84	7,277.84	7,277.84	47.75	252.35	89.64	1,501.95	-7,066.59	7,504.74	7,219.28	285.46	26.290		
8,300.00	7,238.02	7,278.02	7,278.02	49.63	252.35	89.64	1,501.95	-7,066.59	7,408.90	7,123.19	285.71	25.932		
8,400.00	7,238.21	7,278.21	7,278.21	51.61	252.36	89.65	1,501.95	-7,066.59	7,313.16	7,027.18	285.98	25.572		
8,500.00	7,238.40	7,278.40	7,278.40	53.66	252.37	89.65	1,501.95	-7,066.59	7,217.55	6,931.26	286.29	25.210		
8,600.00	7,238.58	7,278.58	7,278.58	55.79	252.37	89.66	1,501.95	-7,066.59	7,122.05	6,835.41	286.64	24.847		
8,700.00	7,238.77	7,278.77	7,278.77	57.99	252.38	89.66	1,501.95	-7,066.59	7,026.68	6,739.66	287.02	24.482		
8,800.00	7,238.96	7,278.96	7,278.96	60.24	252.38	89.67	1,501.95	-7,066.59	6,931.44	6,644.00	287.44	24.114		
8,900.00	7,239.14	7,279.14	7,279.14	62.54	252.39	89.67	1,501.95	-7,066.59	6,836.33	6,548.43	287.90	23.745		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,279.33	7,279.33	64.88	252.40	89.68	1,501.95	-7,066.59	6,741.37	6,452.96	288.41	23.374		
9,100.00	7,239.52	7,279.52	7,279.52	67.27	252.40	89.68	1,501.95	-7,066.59	6,646.55	6,357.60	288.96	23.002		
9,200.00	7,239.70	7,279.70	7,279.70	69.69	252.41	89.69	1,501.95	-7,066.59	6,551.89	6,262.34	289.55	22.628		
9,300.00	7,239.89	7,279.89	7,279.89	72.15	252.42	89.69	1,501.95	-7,066.59	6,457.39	6,167.20	290.19	22.252		
9,400.00	7,240.07	7,280.07	7,280.07	74.63	252.42	89.70	1,501.95	-7,066.59	6,363.06	6,072.17	290.89	21.875		
9,500.00	7,240.26	7,280.26	7,280.26	77.14	252.43	89.70	1,501.95	-7,066.59	6,268.90	5,977.28	291.63	21.496		
9,600.00	7,240.45	7,280.45	7,280.45	79.68	252.44	89.71	1,501.95	-7,066.59	6,174.93	5,882.51	292.42	21.116		
9,700.00	7,240.63	7,280.63	7,280.63	82.23	252.44	89.71	1,501.95	-7,066.59	6,081.15	5,787.88	293.27	20.736		
9,800.00	7,240.82	7,280.82	7,280.82	84.81	252.45	89.72	1,501.95	-7,066.59	5,987.57	5,693.39	294.18	20.354		
9,900.00	7,241.01	7,281.01	7,281.01	87.40	252.46	89.72	1,501.95	-7,066.59	5,894.20	5,599.06	295.14	19.971		
10,000.00	7,241.19	7,281.19	7,281.19	90.01	252.46	89.73	1,501.95	-7,066.59	5,801.05	5,504.89	296.16	19.587		
10,100.00	7,241.38	7,281.38	7,281.38	92.64	252.47	89.73	1,501.95	-7,066.59	5,708.14	5,410.89	297.25	19.203		
10,200.00	7,241.56	7,281.56	7,281.56	95.28	252.48	89.74	1,501.95	-7,066.59	5,615.47	5,317.07	298.40	18.819		
10,300.00	7,241.75	7,281.75	7,281.75	97.93	252.48	89.74	1,501.95	-7,066.59	5,523.05	5,223.43	299.62	18.434		
10,400.00	7,241.94	7,281.94	7,281.94	100.59	252.49	89.75	1,501.95	-7,066.59	5,430.90	5,130.00	300.90	18.049		
10,500.00	7,242.12	7,282.12	7,282.12	103.26	252.50	89.75	1,501.95	-7,066.59	5,339.04	5,036.78	302.26	17.664		
10,600.00	7,242.31	7,282.31	7,282.31	105.95	252.50	89.76	1,501.95	-7,066.59	5,247.47	4,943.78	303.68	17.279		
10,700.00	7,242.50	7,282.50	7,282.50	108.64	252.51	89.76	1,501.95	-7,066.59	5,156.21	4,851.03	305.19	16.895		
10,800.00	7,242.68	7,282.68	7,282.68	111.34	252.51	89.77	1,501.95	-7,066.59	5,065.29	4,758.52	306.77	16.512		
10,900.00	7,242.87	7,282.87	7,282.87	114.05	252.52	89.77	1,501.95	-7,066.59	4,974.71	4,666.28	308.43	16.129		
11,000.00	7,243.05	7,283.05	7,283.05	116.76	252.53	89.78	1,501.95	-7,066.59	4,884.50	4,574.32	310.18	15.747		
11,100.00	7,243.24	7,283.24	7,283.24	119.49	252.53	89.78	1,501.95	-7,066.59	4,794.68	4,482.67	312.01	15.367		
11,200.00	7,243.43	7,283.43	7,283.43	122.22	252.54	89.79	1,501.95	-7,066.59	4,705.27	4,391.34	313.94	14.988		
11,300.00	7,243.61	7,283.61	7,283.61	124.95	252.55	89.79	1,501.95	-7,066.59	4,616.30	4,300.34	315.96	14.611		
11,400.00	7,243.80	7,283.80	7,283.80	127.69	252.55	89.80	1,501.95	-7,066.59	4,527.79	4,209.71	318.07	14.235		
11,500.00	7,243.99	7,283.99	7,283.99	130.44	252.56	89.80	1,501.95	-7,066.59	4,439.76	4,119.47	320.29	13.862		
11,600.00	7,244.17	7,284.17	7,284.17	133.19	252.57	89.81	1,501.95	-7,066.59	4,352.25	4,029.64	322.61	13.491		
11,700.00	7,244.36	7,284.36	7,284.36	135.94	252.57	89.81	1,501.95	-7,066.59	4,265.29	3,940.25	325.04	13.122		
11,800.00	7,244.55	7,284.55	7,284.55	138.70	252.58	89.82	1,501.95	-7,066.59	4,178.91	3,851.33	327.58	12.757		
11,900.00	7,244.73	7,284.73	7,284.73	141.47	252.59	89.82	1,501.95	-7,066.59	4,093.15	3,762.92	330.24	12.394		
12,000.00	7,244.92	7,284.92	7,284.92	144.24	252.59	89.83	1,501.95	-7,066.59	4,008.06	3,675.04	333.02	12.035		
12,100.00	7,245.10	7,285.10	7,285.10	147.01	252.60	89.83	1,501.95	-7,066.59	3,923.66	3,587.73	335.93	11.680		
12,200.00	7,245.29	7,285.29	7,285.29	149.78	252.61	89.84	1,501.95	-7,066.59	3,840.02	3,501.05	338.97	11.328		
12,300.00	7,245.48	7,285.48	7,285.48	152.56	252.61	89.84	1,501.95	-7,066.59	3,757.18	3,415.03	342.15	10.981		
12,400.00	7,245.66	7,285.66	7,285.66	155.34	252.62	89.85	1,501.95	-7,066.59	3,675.19	3,329.72	345.47	10.638		
12,500.00	7,245.85	7,285.85	7,285.85	158.12	252.63	89.85	1,501.95	-7,066.59	3,594.11	3,245.17	348.93	10.300		
12,600.00	7,246.04	7,286.04	7,286.04	160.91	252.63	89.86	1,501.95	-7,066.59	3,514.00	3,161.45	352.55	9.967		
12,700.00	7,246.22	7,286.22	7,286.22	163.70	252.64	89.86	1,501.95	-7,066.59	3,434.94	3,078.62	356.32	9.640		
12,800.00	7,246.41	7,286.41	7,286.41	166.49	252.64	89.87	1,501.95	-7,066.59	3,357.00	2,996.74	360.26	9.318		
12,900.00	7,246.59	7,286.59	7,286.59	169.28	252.65	89.87	1,501.95	-7,066.59	3,280.25	2,915.90	364.36	9.003		
13,000.00	7,246.78	7,286.78	7,286.78	172.08	252.66	89.88	1,501.95	-7,066.59	3,204.79	2,836.17	368.62	8.694		
13,100.00	7,246.97	7,286.97	7,286.97	174.88	252.66	89.88	1,501.95	-7,066.59	3,130.70	2,757.64	373.06	8.392		
13,200.00	7,247.15	7,287.15	7,287.15	177.68	252.67	89.89	1,501.95	-7,066.59	3,058.09	2,680.42	377.66	8.097		
13,300.00	7,247.34	7,287.34	7,287.34	180.48	252.68	89.89	1,501.95	-7,066.59	2,987.06	2,604.61	382.44	7.810		
13,400.00	7,247.53	7,287.53	7,287.53	183.28	252.68	89.90	1,501.95	-7,066.59	2,917.73	2,530.33	387.40	7.532		
13,500.00	7,247.71	7,287.71	7,287.71	186.09	252.69	89.90	1,501.95	-7,066.59	2,850.22	2,457.70	392.51	7.261		
13,600.00	7,247.90	7,287.90	7,287.90	188.90	252.70	89.91	1,501.95	-7,066.59	2,784.66	2,386.87	397.80	7.000		
13,700.00	7,248.08	7,288.08	7,288.08	191.70	252.70	89.91	1,501.95	-7,066.59	2,721.21	2,317.98	403.23	6.748		
13,800.00	7,248.27	7,288.27	7,288.27	194.52	252.71	89.92	1,501.95	-7,066.59	2,660.00	2,251.19	408.81	6.507		
13,900.00	7,248.46	7,288.46	7,288.46	197.33	252.72	89.92	1,501.95	-7,066.59	2,601.19	2,186.67	414.52	6.275		
14,000.00	7,248.64	7,288.64	7,288.64	200.14	252.72	89.93	1,501.95	-7,066.59	2,544.96	2,124.62	420.34	6.055		
14,100.00	7,248.83	7,288.83	7,288.83	202.95	252.73	89.93	1,501.95	-7,066.59	2,491.47	2,065.23	426.24	5.845		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	7,289.02	7,289.02	205.77	252.74	89.94	1,501.95	-7,066.59	2,440.91	2,008.70	432.20	5.648		
14,300.00	7,249.20	7,289.20	7,289.20	208.59	252.74	89.94	1,501.95	-7,066.59	2,393.46	1,955.27	438.19	5.462		
14,400.00	7,249.39	7,289.39	7,289.39	211.41	252.75	89.95	1,501.95	-7,066.59	2,349.31	1,905.14	444.17	5.289		
14,500.00	7,249.58	7,289.58	7,289.58	214.23	252.76	89.95	1,501.95	-7,066.59	2,308.65	1,858.56	450.09	5.129		
14,600.00	7,249.76	7,289.76	7,289.76	217.05	252.76	89.96	1,501.95	-7,066.59	2,271.67	1,815.76	455.91	4.983		
14,700.00	7,249.95	7,289.95	7,289.95	219.87	252.77	89.97	1,501.95	-7,066.59	2,238.55	1,776.98	461.57	4.850		
14,800.00	7,250.13	7,309.87	7,290.13	222.69	253.46	89.97	1,501.95	-7,066.59	2,209.46	1,741.74	467.72	4.724		
14,900.00	7,250.32	7,309.68	7,290.32	225.51	253.46	89.98	1,501.95	-7,066.59	2,184.56	1,711.67	472.90	4.620		
15,000.00	7,250.51	7,309.49	7,290.51	228.34	253.45	89.98	1,501.95	-7,066.59	2,164.01	1,686.25	477.76	4.529		
15,100.00	7,250.69	7,309.31	7,290.69	231.16	253.44	89.99	1,501.95	-7,066.59	2,147.92	1,665.66	482.25	4.454		
15,200.00	7,250.88	7,309.12	7,290.88	233.99	253.44	89.99	1,501.95	-7,066.59	2,136.39	1,650.06	486.33	4.393		
15,300.00	7,251.07	7,308.93	7,291.07	236.82	253.43	90.00	1,501.95	-7,066.59	2,129.50	1,639.56	489.95	4.346		
15,396.94	7,251.25	7,308.75	7,291.25	239.56	253.42	90.00	1,501.95	-7,066.59	2,127.29	1,634.31	492.98	4.315 CC		
15,400.00	7,251.25	7,308.75	7,291.25	239.65	253.42	90.00	1,501.95	-7,066.59	2,127.30	1,634.23	493.07	4.314		
15,500.00	7,251.44	7,308.56	7,291.44	242.47	253.42	90.01	1,501.95	-7,066.59	2,129.79	1,634.11	495.67	4.297 ES		
15,600.00	7,251.62	7,308.38	7,291.62	245.30	253.41	90.01	1,501.95	-7,066.59	2,136.96	1,639.21	497.75	4.293 SF		
15,700.00	7,251.81	7,308.19	7,291.81	248.13	253.41	90.02	1,501.95	-7,066.59	2,148.77	1,649.48	499.29	4.304		
15,800.00	7,252.00	7,308.00	7,292.00	250.97	253.40	90.02	1,501.95	-7,066.59	2,165.14	1,664.84	500.31	4.328		
15,900.00	7,252.18	7,307.82	7,292.18	253.80	253.39	90.03	1,501.95	-7,066.59	2,185.97	1,685.16	500.81	4.365		
16,000.00	7,252.37	7,307.63	7,292.37	256.63	253.39	90.03	1,501.95	-7,066.59	2,211.12	1,710.29	500.83	4.415		
16,100.00	7,252.56	7,307.44	7,292.56	259.46	253.38	90.04	1,501.95	-7,066.59	2,240.46	1,740.07	500.40	4.477		
16,200.00	7,252.74	7,307.26	7,292.74	262.30	253.37	90.04	1,501.95	-7,066.59	2,273.83	1,774.28	499.55	4.552		
16,300.00	7,252.93	7,307.07	7,292.93	265.13	253.37	90.05	1,501.95	-7,066.59	2,311.04	1,812.71	498.32	4.638		
16,400.00	7,253.11	7,306.89	7,293.11	267.96	253.36	90.05	1,501.95	-7,066.59	2,351.91	1,855.15	496.77	4.734		
16,500.00	7,253.30	7,306.70	7,293.30	270.80	253.35	90.06	1,501.95	-7,066.59	2,396.27	1,901.35	494.92	4.842		
16,600.00	7,253.49	7,306.51	7,293.49	273.64	253.35	90.06	1,501.95	-7,066.59	2,443.92	1,951.08	492.83	4.959		
16,700.00	7,253.67	7,306.33	7,293.67	276.47	253.34	90.07	1,501.95	-7,066.59	2,494.66	2,004.13	490.53	5.086		
16,800.00	7,253.86	7,306.14	7,293.86	279.31	253.33	90.07	1,501.95	-7,066.59	2,548.32	2,060.26	488.06	5.221		
16,900.00	7,254.05	7,305.95	7,294.05	282.15	253.33	90.08	1,501.95	-7,066.59	2,604.72	2,119.26	485.46	5.365		
17,000.00	7,254.23	7,305.77	7,294.23	284.98	253.32	90.08	1,501.95	-7,066.59	2,663.68	2,180.92	482.75	5.518		
17,100.00	7,254.42	7,305.58	7,294.42	287.82	253.31	90.09	1,501.95	-7,066.59	2,725.03	2,245.06	479.97	5.677		
17,200.00	7,254.61	7,305.40	7,294.61	290.66	253.31	90.09	1,501.95	-7,066.59	2,788.62	2,311.48	477.14	5.844		
17,300.00	7,254.79	7,305.21	7,294.79	293.50	253.30	90.10	1,501.95	-7,066.59	2,854.30	2,380.02	474.28	6.018		
17,400.00	7,254.98	7,305.02	7,294.98	296.34	253.29	90.10	1,501.95	-7,066.59	2,921.92	2,450.52	471.40	6.198		
17,500.00	7,255.16	7,304.84	7,295.16	299.18	253.29	90.11	1,501.95	-7,066.59	2,991.36	2,522.82	468.54	6.384		
17,600.00	7,255.35	7,304.65	7,295.35	302.02	253.28	90.11	1,501.95	-7,066.59	3,062.49	2,596.80	465.69	6.576		
17,700.00	7,255.54	7,304.46	7,295.54	304.86	253.28	90.12	1,501.95	-7,066.59	3,135.20	2,672.33	462.87	6.773		
17,800.00	7,255.72	7,304.28	7,295.72	307.70	253.27	90.12	1,501.95	-7,066.59	3,209.37	2,749.28	460.09	6.976		
17,900.00	7,255.91	7,304.09	7,295.91	310.54	253.26	90.13	1,501.95	-7,066.59	3,284.92	2,827.56	457.35	7.182		
18,000.00	7,256.10	7,303.90	7,296.10	313.39	253.26	90.13	1,501.95	-7,066.59	3,361.74	2,907.07	454.67	7.394		
18,100.00	7,256.28	7,303.72	7,296.28	316.23	253.25	90.14	1,501.95	-7,066.59	3,439.75	2,987.71	452.04	7.609		
18,200.00	7,256.47	7,303.53	7,296.47	319.07	253.24	90.14	1,501.95	-7,066.59	3,518.88	3,069.41	449.47	7.829		
18,300.00	7,256.65	7,303.35	7,296.65	321.91	253.24	90.15	1,501.95	-7,066.59	3,599.04	3,152.08	446.96	8.052		
18,400.00	7,256.84	7,303.16	7,296.84	324.76	253.23	90.15	1,501.95	-7,066.59	3,680.18	3,235.66	444.52	8.279		
18,500.00	7,257.03	7,302.97	7,297.03	327.60	253.22	90.16	1,501.95	-7,066.59	3,762.22	3,320.08	442.14	8.509		
18,600.00	7,257.21	7,302.79	7,297.21	330.44	253.22	90.16	1,501.95	-7,066.59	3,845.12	3,405.29	439.83	8.742		
18,700.00	7,257.40	7,302.60	7,297.40	333.29	253.21	90.17	1,501.95	-7,066.59	3,928.81	3,491.24	437.58	8.979		
18,800.00	7,257.59	7,302.41	7,297.59	336.13	253.20	90.17	1,501.95	-7,066.59	4,013.25	3,577.86	435.39	9.218		
18,900.00	7,257.77	7,302.23	7,297.77	338.98	253.20	90.18	1,501.95	-7,066.59	4,098.39	3,665.12	433.27	9.459		
19,000.00	7,257.96	7,302.04	7,297.96	341.82	253.19	90.18	1,501.95	-7,066.59	4,184.18	3,752.98	431.20	9.703		
19,022.43	7,258.00	7,302.00	7,298.00	342.46	253.19	90.18	1,501.95	-7,066.59	4,203.51	3,772.76	430.75	9.759		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	30.00	30.00	3.28	3.32	-77.12	1,308.52	-5,723.51	5,871.18					
100.00	100.00	130.00	130.00	3.28	4.31	-77.12	1,308.52	-5,723.51	5,871.18	5,863.59	7.59	773.275		
200.00	200.00	230.00	230.00	3.34	7.09	-77.12	1,308.52	-5,723.51	5,871.18	5,860.75	10.43	563.162		
300.00	300.00	330.00	330.00	3.44	10.31	-77.12	1,308.52	-5,723.51	5,871.18	5,857.42	13.76	426.829		
400.00	399.98	429.98	429.98	3.60	13.66	166.87	1,308.52	-5,723.51	5,872.88	5,855.62	17.26	340.206		
500.00	499.84	529.84	529.84	3.79	17.07	166.86	1,308.52	-5,723.51	5,877.98	5,857.11	20.86	281.743		
600.00	599.45	629.45	629.45	4.03	20.49	166.84	1,308.52	-5,723.51	5,886.46	5,861.94	24.52	240.034		
700.00	698.70	728.70	728.70	4.30	23.92	166.82	1,308.52	-5,723.51	5,898.34	5,870.11	28.22	208.994		
800.00	797.47	827.47	827.47	4.61	27.34	166.78	1,308.52	-5,723.51	5,913.57	5,881.63	31.94	185.120		
900.00	895.62	925.62	925.62	4.96	30.74	166.74	1,308.52	-5,723.51	5,932.16	5,896.49	35.68	166.268		
939.50	934.20	964.20	964.20	5.10	32.08	166.72	1,308.52	-5,723.51	5,940.43	5,903.27	37.16	159.872		
1,000.00	993.20	1,023.20	1,023.20	5.33	34.13	166.74	1,308.52	-5,723.51	5,953.48	5,914.06	39.42	151.037		
1,100.00	1,090.72	1,120.72	1,120.72	5.73	37.52	166.79	1,308.52	-5,723.51	5,975.06	5,931.89	43.17	138.417		
1,200.00	1,188.24	1,218.24	1,218.24	6.15	40.91	166.84	1,308.52	-5,723.51	5,996.64	5,949.70	46.93	127.765		
1,300.00	1,285.76	1,315.76	1,315.76	6.59	44.31	166.89	1,308.52	-5,723.51	6,018.23	5,967.51	50.72	118.662		
1,400.00	1,383.28	1,413.28	1,413.28	7.04	47.70	166.94	1,308.52	-5,723.51	6,039.82	5,985.30	54.51	110.797		
1,500.00	1,480.80	1,510.80	1,510.80	7.50	51.10	166.98	1,308.52	-5,723.51	6,061.41	6,003.09	58.32	103.939		
1,600.00	1,578.31	1,608.31	1,608.31	7.96	54.50	167.03	1,308.52	-5,723.51	6,083.01	6,020.88	62.13	97.907		
1,700.00	1,675.83	1,705.83	1,705.83	8.44	57.90	167.08	1,308.52	-5,723.51	6,104.61	6,038.66	65.95	92.563		
1,800.00	1,773.35	1,803.35	1,803.35	8.92	61.30	167.12	1,308.52	-5,723.51	6,126.21	6,056.44	69.78	87.796		
1,900.00	1,870.87	1,900.87	1,900.87	9.40	64.70	167.17	1,308.52	-5,723.51	6,147.82	6,074.21	73.61	83.520		
2,000.00	1,968.39	2,001.61	1,998.39	9.89	68.21	167.22	1,308.52	-5,723.51	6,169.44	6,091.88	77.56	79.546		
2,100.00	2,065.91	2,104.09	2,095.91	10.39	71.78	167.26	1,308.52	-5,723.51	6,191.05	6,109.48	81.57	75.898		
2,200.00	2,163.43	2,206.57	2,193.43	10.88	75.36	167.31	1,308.52	-5,723.51	6,212.67	6,127.09	85.59	72.589		
2,300.00	2,260.95	2,309.05	2,290.95	11.38	78.93	167.35	1,308.52	-5,723.51	6,234.30	6,144.69	89.61	69.574		
2,400.00	2,358.46	2,388.46	2,388.46	11.89	81.70	167.39	1,308.52	-5,723.51	6,255.93	6,163.10	92.82	67.396		
2,500.00	2,455.98	2,485.98	2,485.98	12.39	85.10	167.44	1,308.52	-5,723.51	6,277.56	6,180.88	96.67	64.935		
2,600.00	2,553.50	2,583.50	2,583.50	12.89	88.51	167.48	1,308.52	-5,723.51	6,299.19	6,198.67	100.53	62.662		
2,700.00	2,651.02	2,681.02	2,681.02	13.40	91.91	167.53	1,308.52	-5,723.51	6,320.83	6,216.45	104.38	60.555		
2,800.00	2,748.54	2,778.54	2,778.54	13.91	95.31	167.57	1,308.52	-5,723.51	6,342.47	6,234.23	108.24	58.598		
2,900.00	2,846.06	2,876.06	2,876.06	14.42	98.71	167.61	1,308.52	-5,723.51	6,364.12	6,252.02	112.10	56.774		
3,000.00	2,943.58	2,973.58	2,973.58	14.93	102.11	167.65	1,308.52	-5,723.51	6,385.77	6,269.81	115.95	55.072		
3,100.00	3,041.10	3,071.10	3,071.10	15.45	105.52	167.70	1,308.52	-5,723.51	6,407.42	6,287.60	119.81	53.478		
3,200.00	3,138.61	3,168.61	3,168.61	15.96	108.92	167.74	1,308.52	-5,723.51	6,429.07	6,305.40	123.67	51.984		
3,300.00	3,236.13	3,266.13	3,266.13	16.47	112.32	167.78	1,308.52	-5,723.51	6,450.73	6,323.19	127.54	50.579		
3,400.00	3,333.65	3,363.65	3,363.65	16.99	115.73	167.82	1,308.52	-5,723.51	6,472.39	6,340.99	131.40	49.257		
3,500.00	3,431.17	3,461.17	3,461.17	17.50	119.13	167.86	1,308.52	-5,723.51	6,494.06	6,358.79	135.26	48.011		
3,600.00	3,528.69	3,558.69	3,558.69	18.02	122.53	167.90	1,308.52	-5,723.51	6,515.73	6,376.60	139.13	46.833		
3,700.00	3,626.21	3,656.21	3,656.21	18.54	125.94	167.94	1,308.52	-5,723.51	6,537.40	6,394.41	142.99	45.718		
3,800.00	3,723.73	3,753.73	3,753.73	19.06	129.34	167.98	1,308.52	-5,723.51	6,559.07	6,412.21	146.86	44.663		
3,900.00	3,821.25	3,851.25	3,851.25	19.57	132.74	168.03	1,308.52	-5,723.51	6,580.75	6,430.03	150.72	43.661		
4,000.00	3,918.77	3,948.77	3,948.77	20.09	136.15	168.06	1,308.52	-5,723.51	6,602.43	6,447.84	154.59	42.709		
4,100.00	4,016.28	4,046.28	4,046.28	20.61	139.55	168.10	1,308.52	-5,723.51	6,624.11	6,465.66	158.46	41.804		
4,200.00	4,113.80	4,143.80	4,143.80	21.13	142.95	168.14	1,308.52	-5,723.51	6,645.80	6,483.47	162.32	40.941		
4,300.00	4,211.32	4,241.32	4,241.32	21.65	146.36	168.18	1,308.52	-5,723.51	6,667.49	6,501.30	166.19	40.119		
4,400.00	4,308.84	4,338.84	4,338.84	22.17	149.76	168.22	1,308.52	-5,723.51	6,689.18	6,519.12	170.06	39.334		
4,500.00	4,406.36	4,436.36	4,436.36	22.69	153.16	168.26	1,308.52	-5,723.51	6,710.88	6,536.95	173.93	38.584		
4,600.00	4,503.88	4,533.88	4,533.88	23.21	156.57	168.30	1,308.52	-5,723.51	6,732.58	6,554.78	177.80	37.866		
4,700.00	4,601.40	4,631.40	4,631.40	23.73	159.97	168.34	1,308.52	-5,723.51	6,754.28	6,572.61	181.67	37.179		
4,800.00	4,698.92	4,728.92	4,728.92	24.26	163.37	168.37	1,308.52	-5,723.51	6,775.98	6,590.44	185.54	36.521		
4,900.00	4,796.43	4,826.43	4,826.43	24.78	166.78	168.41	1,308.52	-5,723.51	6,797.69	6,608.28	189.41	35.889		
5,000.00	4,893.95	4,923.95	4,923.95	25.30	170.18	168.45	1,308.52	-5,723.51	6,819.40	6,626.12	193.28	35.283		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,021.47	5,021.47	25.82	173.59	168.49	1,308.52	-5,723.51	6,841.11	6,643.96	197.15	34.701		
5,200.00	5,088.99	5,118.99	5,118.99	26.34	176.99	168.52	1,308.52	-5,723.51	6,862.82	6,661.81	201.02	34.140		
5,300.00	5,186.51	5,216.51	5,216.51	26.87	180.39	168.56	1,308.52	-5,723.51	6,884.54	6,679.65	204.89	33.601		
5,400.00	5,284.03	5,314.03	5,314.03	27.39	183.80	168.60	1,308.52	-5,723.51	6,906.26	6,697.50	208.76	33.082		
5,500.00	5,381.55	5,411.55	5,411.55	27.91	187.20	168.63	1,308.52	-5,723.51	6,927.98	6,715.35	212.63	32.582		
5,600.00	5,479.07	5,509.07	5,509.07	28.43	190.60	168.67	1,308.52	-5,723.51	6,949.71	6,733.21	216.50	32.100		
5,700.00	5,576.58	5,606.58	5,606.58	28.96	194.01	168.70	1,308.52	-5,723.51	6,971.44	6,751.06	220.37	31.635		
5,800.00	5,674.10	5,704.10	5,704.10	29.48	197.41	168.74	1,308.52	-5,723.51	6,993.17	6,768.92	224.24	31.185		
5,900.00	5,771.62	5,801.62	5,801.62	30.00	200.82	168.77	1,308.52	-5,723.51	7,014.90	6,786.79	228.12	30.751		
6,000.00	5,869.14	5,899.14	5,899.14	30.53	204.28	168.81	1,308.52	-5,723.51	7,036.64	6,804.59	232.05	30.324		
6,100.00	5,966.66	6,003.34	5,996.66	31.05	207.86	168.84	1,308.52	-5,723.51	7,058.38	6,822.28	236.09	29.897		
6,200.00	6,064.18	6,105.82	6,094.18	31.58	211.43	168.88	1,308.52	-5,723.51	7,080.12	6,839.98	240.14	29.483		
6,300.00	6,161.70	6,208.30	6,191.70	32.10	215.01	168.91	1,308.52	-5,723.51	7,101.86	6,857.68	244.18	29.084		
6,400.00	6,259.22	6,289.22	6,289.22	32.62	217.84	168.95	1,308.52	-5,723.51	7,123.61	6,876.13	247.48	28.785		
6,500.00	6,356.74	6,386.74	6,386.74	33.15	221.24	168.98	1,308.52	-5,723.51	7,145.35	6,894.00	251.35	28.428		
6,600.00	6,454.25	6,484.25	6,484.25	33.67	224.64	169.02	1,308.52	-5,723.51	7,167.10	6,911.88	255.22	28.082		
6,623.48	6,477.15	6,507.15	6,507.15	33.80	225.44	169.02	1,308.52	-5,723.51	7,172.21	6,916.08	256.13	28.002		
6,650.00	6,503.12	6,533.12	6,533.12	33.93	226.35	163.32	1,308.52	-5,723.51	7,177.46	6,920.30	257.16	27.910		
6,700.00	6,552.50	6,582.50	6,582.50	34.16	228.07	144.28	1,308.52	-5,723.51	7,184.49	6,925.39	259.11	27.728		
6,750.00	6,602.21	6,632.21	6,632.21	34.36	229.81	106.20	1,308.52	-5,723.51	7,187.76	6,926.71	261.05	27.534		
6,800.00	6,651.92	6,681.92	6,681.92	34.54	231.54	67.33	1,308.52	-5,723.51	7,187.24	6,924.27	262.97	27.331		
6,850.00	6,701.33	6,731.33	6,731.33	34.70	233.27	47.83	1,308.52	-5,723.51	7,182.95	6,918.09	264.86	27.120		
6,900.00	6,750.14	6,780.14	6,780.14	34.86	234.97	38.60	1,308.52	-5,723.51	7,174.90	6,908.19	266.71	26.902		
6,950.00	6,798.04	6,828.04	6,828.04	35.02	236.64	33.68	1,308.52	-5,723.51	7,163.15	6,894.65	268.50	26.678		
7,000.00	6,844.75	6,874.75	6,874.75	35.19	238.28	30.88	1,308.52	-5,723.51	7,147.78	6,877.54	270.24	26.450		
7,050.00	6,889.97	6,919.97	6,919.97	35.37	239.85	29.27	1,308.52	-5,723.51	7,128.88	6,856.98	271.90	26.219		
7,100.00	6,933.42	6,963.42	6,963.42	35.57	241.37	28.45	1,308.52	-5,723.51	7,106.58	6,833.09	273.49	25.985		
7,150.00	6,974.83	7,004.83	7,004.83	35.79	242.82	28.22	1,308.52	-5,723.51	7,081.01	6,806.03	274.99	25.750		
7,200.00	7,013.96	7,043.96	7,043.96	36.02	244.18	28.47	1,308.52	-5,723.51	7,052.34	6,775.95	276.39	25.516		
7,250.00	7,050.56	7,080.56	7,080.56	36.28	245.46	29.19	1,308.52	-5,723.51	7,020.75	6,743.06	277.70	25.282		
7,300.00	7,084.39	7,114.40	7,114.40	36.57	246.64	30.37	1,308.52	-5,723.51	6,986.43	6,707.54	278.90	25.050		
7,350.00	7,115.27	7,145.27	7,145.27	36.89	247.72	32.08	1,308.52	-5,723.51	6,949.60	6,669.62	279.98	24.821		
7,400.00	7,142.99	7,172.99	7,172.99	37.25	248.69	34.41	1,308.52	-5,723.51	6,910.50	6,629.53	280.96	24.596		
7,450.00	7,167.38	7,202.62	7,197.38	37.65	249.72	37.53	1,308.52	-5,723.51	6,869.35	6,587.35	282.00	24.359		
7,500.00	7,188.30	7,218.30	7,218.30	38.08	250.27	41.65	1,308.52	-5,723.51	6,826.42	6,543.86	282.56	24.159		
7,550.00	7,205.61	7,235.61	7,235.61	38.55	250.87	47.10	1,308.52	-5,723.51	6,781.97	6,498.80	283.18	23.950		
7,600.00	7,219.20	7,249.20	7,249.20	39.06	251.35	54.32	1,308.52	-5,723.51	6,736.29	6,452.62	283.67	23.747		
7,650.00	7,229.00	7,259.00	7,259.00	39.61	251.69	63.76	1,308.52	-5,723.51	6,689.64	6,405.60	284.04	23.552		
7,700.00	7,234.95	7,264.95	7,264.95	40.18	251.90	75.69	1,308.52	-5,723.51	6,642.33	6,358.04	284.29	23.364		
7,750.07	7,237.00	7,267.00	7,267.00	40.78	251.97	89.65	1,308.52	-5,723.51	6,594.57	6,310.15	284.42	23.186		
7,800.00	7,237.09	7,267.09	7,267.09	41.41	251.97	89.66	1,308.52	-5,723.51	6,546.86	6,262.37	284.49	23.013		
7,900.00	7,237.28	7,267.28	7,267.28	42.79	251.98	89.66	1,308.52	-5,723.51	6,451.41	6,166.77	284.65	22.665		
8,000.00	7,237.47	7,267.47	7,267.47	44.31	251.98	89.67	1,308.52	-5,723.51	6,356.11	6,071.27	284.84	22.315		
8,100.00	7,237.65	7,267.65	7,267.65	45.97	251.99	89.67	1,308.52	-5,723.51	6,260.95	5,975.88	285.07	21.963		
8,200.00	7,237.84	7,267.84	7,267.84	47.75	252.00	89.68	1,308.52	-5,723.51	6,165.95	5,880.61	285.33	21.610		
8,300.00	7,238.02	7,268.02	7,268.02	49.63	252.00	89.68	1,308.52	-5,723.51	6,071.10	5,785.46	285.64	21.254		
8,400.00	7,238.21	7,268.21	7,268.21	51.61	252.01	89.69	1,308.52	-5,723.51	5,976.42	5,690.43	285.99	20.897		
8,500.00	7,238.40	7,268.40	7,268.40	53.66	252.02	89.69	1,308.52	-5,723.51	5,881.92	5,595.54	286.39	20.538		
8,600.00	7,238.58	7,268.58	7,268.58	55.79	252.02	89.70	1,308.52	-5,723.51	5,787.61	5,500.78	286.83	20.178		
8,700.00	7,238.77	7,268.77	7,268.77	57.99	252.03	89.71	1,308.52	-5,723.51	5,693.49	5,406.16	287.33	19.815		
8,800.00	7,238.96	7,268.96	7,268.96	60.24	252.04	89.71	1,308.52	-5,723.51	5,599.57	5,311.70	287.87	19.452		
8,900.00	7,239.14	7,269.14	7,269.14	62.54	252.04	89.72	1,308.52	-5,723.51	5,505.87	5,217.39	288.48	19.086		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,269.33	7,269.33	64.88	252.05	89.72	1,308.52	-5,723.51	5,412.39	5,123.25	289.14	18.719		
9,100.00	7,239.52	7,269.52	7,269.52	67.27	252.06	89.73	1,308.52	-5,723.51	5,319.15	5,029.29	289.86	18.351		
9,200.00	7,239.70	7,269.70	7,269.70	69.69	252.06	89.73	1,308.52	-5,723.51	5,226.16	4,935.51	290.65	17.981		
9,300.00	7,239.89	7,269.89	7,269.89	72.15	252.07	89.74	1,308.52	-5,723.51	5,133.43	4,841.93	291.50	17.610		
9,400.00	7,240.07	7,270.07	7,270.07	74.63	252.07	89.74	1,308.52	-5,723.51	5,040.98	4,748.56	292.42	17.239		
9,500.00	7,240.26	7,270.26	7,270.26	77.14	252.08	89.75	1,308.52	-5,723.51	4,948.82	4,655.40	293.42	16.866		
9,600.00	7,240.45	7,270.45	7,270.45	79.68	252.09	89.75	1,308.52	-5,723.51	4,856.98	4,562.49	294.49	16.493		
9,700.00	7,240.63	7,270.63	7,270.63	82.23	252.09	89.76	1,308.52	-5,723.51	4,765.46	4,469.82	295.64	16.119		
9,800.00	7,240.82	7,270.82	7,270.82	84.81	252.10	89.77	1,308.52	-5,723.51	4,674.29	4,377.42	296.88	15.745		
9,900.00	7,241.01	7,271.01	7,271.01	87.40	252.11	89.77	1,308.52	-5,723.51	4,583.49	4,285.30	298.19	15.371		
10,000.00	7,241.19	7,271.19	7,271.19	90.01	252.11	89.78	1,308.52	-5,723.51	4,493.08	4,193.48	299.60	14.997		
10,100.00	7,241.38	7,271.38	7,271.38	92.64	252.12	89.78	1,308.52	-5,723.51	4,403.08	4,101.98	301.10	14.623		
10,200.00	7,241.56	7,271.56	7,271.56	95.28	252.13	89.79	1,308.52	-5,723.51	4,313.53	4,010.83	302.70	14.250		
10,300.00	7,241.75	7,271.75	7,271.75	97.93	252.13	89.79	1,308.52	-5,723.51	4,224.44	3,920.05	304.39	13.878		
10,400.00	7,241.94	7,271.94	7,271.94	100.59	252.14	89.80	1,308.52	-5,723.51	4,135.86	3,829.66	306.19	13.507		
10,500.00	7,242.12	7,272.12	7,272.12	103.26	252.15	89.80	1,308.52	-5,723.51	4,047.80	3,739.70	308.10	13.138		
10,600.00	7,242.31	7,272.31	7,272.31	105.95	252.15	89.81	1,308.52	-5,723.51	3,960.31	3,650.19	310.12	12.770		
10,700.00	7,242.50	7,272.50	7,272.50	108.64	252.16	89.82	1,308.52	-5,723.51	3,873.43	3,561.17	312.26	12.405		
10,800.00	7,242.68	7,272.68	7,272.68	111.34	252.17	89.82	1,308.52	-5,723.51	3,787.19	3,472.67	314.52	12.041		
10,900.00	7,242.87	7,272.87	7,272.87	114.05	252.17	89.83	1,308.52	-5,723.51	3,701.65	3,384.74	316.91	11.681		
11,000.00	7,243.05	7,273.05	7,273.05	116.76	252.18	89.83	1,308.52	-5,723.51	3,616.85	3,297.42	319.43	11.323		
11,100.00	7,243.24	7,273.24	7,273.24	119.49	252.19	89.84	1,308.52	-5,723.51	3,532.84	3,210.75	322.09	10.969		
11,200.00	7,243.43	7,273.43	7,273.43	122.22	252.19	89.84	1,308.52	-5,723.51	3,449.69	3,124.80	324.89	10.618		
11,300.00	7,243.61	7,273.61	7,273.61	124.95	252.20	89.85	1,308.52	-5,723.51	3,367.45	3,039.61	327.84	10.272		
11,400.00	7,243.80	7,273.80	7,273.80	127.69	252.20	89.85	1,308.52	-5,723.51	3,286.20	2,955.25	330.95	9.930		
11,500.00	7,243.99	7,273.99	7,273.99	130.44	252.21	89.86	1,308.52	-5,723.51	3,206.01	2,871.79	334.22	9.593		
11,600.00	7,244.17	7,274.17	7,274.17	133.19	252.22	89.86	1,308.52	-5,723.51	3,126.96	2,789.31	337.65	9.261		
11,700.00	7,244.36	7,274.36	7,274.36	135.94	252.22	89.87	1,308.52	-5,723.51	3,049.14	2,707.89	341.25	8.935		
11,800.00	7,244.55	7,274.55	7,274.55	138.70	252.23	89.88	1,308.52	-5,723.51	2,972.65	2,627.62	345.03	8.616		
11,900.00	7,244.73	7,274.73	7,274.73	141.47	252.24	89.88	1,308.52	-5,723.51	2,897.59	2,548.60	348.99	8.303		
12,000.00	7,244.92	7,274.92	7,274.92	144.24	252.24	89.89	1,308.52	-5,723.51	2,824.07	2,470.95	353.13	7.997		
12,100.00	7,245.10	7,275.10	7,275.10	147.01	252.25	89.89	1,308.52	-5,723.51	2,752.23	2,394.78	357.45	7.700		
12,200.00	7,245.29	7,275.29	7,275.29	149.78	252.26	89.90	1,308.52	-5,723.51	2,682.19	2,320.23	361.96	7.410		
12,300.00	7,245.48	7,275.48	7,275.48	152.56	252.26	89.90	1,308.52	-5,723.51	2,614.10	2,247.46	366.65	7.130		
12,400.00	7,245.66	7,275.66	7,275.66	155.34	252.27	89.91	1,308.52	-5,723.51	2,548.12	2,176.61	371.51	6.859		
12,500.00	7,245.85	7,275.85	7,275.85	158.12	252.28	89.91	1,308.52	-5,723.51	2,484.41	2,107.86	376.55	6.598		
12,600.00	7,246.04	7,276.04	7,276.04	160.91	252.28	89.92	1,308.52	-5,723.51	2,423.15	2,041.41	381.74	6.348		
12,700.00	7,246.22	7,276.22	7,276.22	163.70	252.29	89.93	1,308.52	-5,723.51	2,364.54	1,977.47	387.08	6.109		
12,800.00	7,246.41	7,276.41	7,276.41	166.49	252.30	89.93	1,308.52	-5,723.51	2,308.77	1,916.24	392.53	5.882		
12,900.00	7,246.59	7,276.59	7,276.59	169.28	252.30	89.94	1,308.52	-5,723.51	2,256.06	1,857.98	398.08	5.667		
13,000.00	7,246.78	7,276.78	7,276.78	172.08	252.31	89.94	1,308.52	-5,723.51	2,206.62	1,802.93	403.69	5.466		
13,100.00	7,246.97	7,276.97	7,276.97	174.88	252.32	89.95	1,308.52	-5,723.51	2,160.69	1,751.36	409.33	5.279		
13,200.00	7,247.15	7,277.15	7,277.15	177.68	252.32	89.95	1,308.52	-5,723.51	2,118.48	1,703.53	414.95	5.105		
13,300.00	7,247.34	7,277.34	7,277.34	180.48	252.33	89.96	1,308.52	-5,723.51	2,080.22	1,659.73	420.49	4.947		
13,400.00	7,247.53	7,277.53	7,277.53	183.28	252.33	89.96	1,308.52	-5,723.51	2,046.15	1,620.23	425.91	4.804		
13,500.00	7,247.71	7,277.71	7,277.71	186.09	252.34	89.97	1,308.52	-5,723.51	2,016.46	1,585.31	431.14	4.677		
13,600.00	7,247.90	7,277.90	7,277.90	188.90	252.35	89.98	1,308.52	-5,723.51	1,991.35	1,555.22	436.13	4.566		
13,700.00	7,248.08	7,278.08	7,278.08	191.70	252.35	89.98	1,308.52	-5,723.51	1,971.00	1,530.20	440.80	4.471		
13,800.00	7,248.27	7,278.27	7,278.27	194.52	252.36	89.99	1,308.52	-5,723.51	1,955.56	1,510.46	445.10	4.394		
13,900.00	7,248.46	7,278.46	7,278.46	197.33	252.37	89.99	1,308.52	-5,723.51	1,945.15	1,496.16	448.99	4.332		
14,000.00	7,248.64	7,278.64	7,278.64	200.14	252.37	90.00	1,308.52	-5,723.51	1,939.84	1,487.44	452.40	4.288		
14,053.11	7,248.74	7,278.74	7,278.74	201.63	252.38	90.00	1,308.52	-5,723.51	1,939.11	1,485.11	454.01	4.271 CC		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,278.83	7,278.83	202.95	252.38	90.00	1,308.52	-5,723.51	1,939.68	1,484.38	455.31	4.260	ES	
14,200.00	7,249.02	7,279.02	7,279.02	205.77	252.39	90.01	1,308.52	-5,723.51	1,944.67	1,486.98	457.69	4.249	SF	
14,300.00	7,249.20	7,279.20	7,279.20	208.59	252.39	90.01	1,308.52	-5,723.51	1,954.77	1,495.24	459.53	4.254		
14,400.00	7,249.39	7,279.39	7,279.39	211.41	252.40	90.02	1,308.52	-5,723.51	1,969.90	1,509.07	460.83	4.275		
14,500.00	7,249.58	7,279.58	7,279.58	214.23	252.41	90.02	1,308.52	-5,723.51	1,989.94	1,528.33	461.61	4.311		
14,600.00	7,249.76	7,279.76	7,279.76	217.05	252.41	90.03	1,308.52	-5,723.51	2,014.76	1,552.87	461.89	4.362		
14,700.00	7,249.95	7,279.95	7,279.95	219.87	252.42	90.04	1,308.52	-5,723.51	2,044.17	1,582.46	461.71	4.427		
14,800.00	7,250.13	7,280.13	7,280.13	222.69	252.43	90.04	1,308.52	-5,723.51	2,077.98	1,616.88	461.10	4.507		
14,900.00	7,250.32	7,280.32	7,280.32	225.51	252.43	90.05	1,308.52	-5,723.51	2,115.99	1,655.87	460.11	4.599		
15,000.00	7,250.51	7,280.51	7,280.51	228.34	252.44	90.05	1,308.52	-5,723.51	2,157.96	1,699.16	458.79	4.704		
15,100.00	7,250.69	7,280.69	7,280.69	231.16	252.45	90.06	1,308.52	-5,723.51	2,203.67	1,746.48	457.18	4.820		
15,200.00	7,250.88	7,280.88	7,280.88	233.99	252.45	90.06	1,308.52	-5,723.51	2,252.89	1,797.56	455.34	4.948		
15,300.00	7,251.07	7,281.07	7,281.07	236.82	252.46	90.07	1,308.52	-5,723.51	2,305.41	1,852.12	453.29	5.086		
15,400.00	7,251.25	7,281.25	7,281.25	239.65	252.46	90.07	1,308.52	-5,723.51	2,360.99	1,909.91	451.09	5.234		
15,500.00	7,251.44	7,281.44	7,281.44	242.47	252.47	90.08	1,308.52	-5,723.51	2,419.43	1,970.67	448.76	5.391		
15,600.00	7,251.62	7,281.62	7,281.62	245.30	252.48	90.09	1,308.52	-5,723.51	2,480.53	2,034.18	446.35	5.557		
15,700.00	7,251.81	7,281.81	7,281.81	248.13	252.48	90.09	1,308.52	-5,723.51	2,544.10	2,100.22	443.88	5.732		
15,800.00	7,252.00	7,282.00	7,282.00	250.97	252.49	90.10	1,308.52	-5,723.51	2,609.94	2,168.58	441.37	5.913		
15,900.00	7,252.18	7,282.18	7,282.18	253.80	252.50	90.10	1,308.52	-5,723.51	2,677.91	2,239.06	438.84	6.102		
16,000.00	7,252.37	7,282.37	7,282.37	256.63	252.50	90.11	1,308.52	-5,723.51	2,747.83	2,311.51	436.32	6.298		
16,100.00	7,252.56	7,282.56	7,282.56	259.46	252.51	90.11	1,308.52	-5,723.51	2,819.56	2,385.75	433.81	6.500		
16,200.00	7,252.74	7,282.74	7,282.74	262.30	252.52	90.12	1,308.52	-5,723.51	2,892.98	2,461.65	431.33	6.707		
16,300.00	7,252.93	7,282.93	7,282.93	265.13	252.52	90.12	1,308.52	-5,723.51	2,967.94	2,539.06	428.89	6.920		
16,400.00	7,253.11	7,283.11	7,283.11	267.96	252.53	90.13	1,308.52	-5,723.51	3,044.35	2,617.86	426.49	7.138		
16,500.00	7,253.30	7,283.30	7,283.30	270.80	252.54	90.13	1,308.52	-5,723.51	3,122.09	2,697.95	424.14	7.361		
16,600.00	7,253.49	7,283.49	7,283.49	273.64	252.54	90.14	1,308.52	-5,723.51	3,201.07	2,779.21	421.85	7.588		
16,700.00	7,253.67	7,283.67	7,283.67	276.47	252.55	90.15	1,308.52	-5,723.51	3,281.19	2,861.57	419.62	7.819		
16,800.00	7,253.86	7,283.86	7,283.86	279.31	252.56	90.15	1,308.52	-5,723.51	3,362.38	2,944.93	417.44	8.055		
16,900.00	7,254.05	7,284.05	7,284.05	282.15	252.56	90.16	1,308.52	-5,723.51	3,444.55	3,029.22	415.33	8.294		
17,000.00	7,254.23	7,284.23	7,284.23	284.98	252.57	90.16	1,308.52	-5,723.51	3,527.65	3,114.37	413.28	8.536		
17,100.00	7,254.42	7,284.42	7,284.42	287.82	252.58	90.17	1,308.52	-5,723.51	3,611.61	3,200.31	411.29	8.781		
17,200.00	7,254.61	7,284.61	7,284.61	290.66	252.58	90.17	1,308.52	-5,723.51	3,696.36	3,286.99	409.37	9.029		
17,300.00	7,254.79	7,284.79	7,284.79	293.50	252.59	90.18	1,308.52	-5,723.51	3,781.86	3,374.36	407.50	9.281		
17,400.00	7,254.98	7,284.98	7,284.98	296.34	252.59	90.18	1,308.52	-5,723.51	3,868.05	3,462.36	405.69	9.534		
17,500.00	7,255.16	7,285.16	7,285.16	299.18	252.60	90.19	1,308.52	-5,723.51	3,954.90	3,550.95	403.95	9.791		
17,600.00	7,255.35	7,285.35	7,285.35	302.02	252.61	90.20	1,308.52	-5,723.51	4,042.35	3,640.09	402.26	10.049		
17,700.00	7,255.54	7,285.54	7,285.54	304.86	252.61	90.20	1,308.52	-5,723.51	4,130.37	3,729.75	400.62	10.310		
17,800.00	7,255.72	7,285.72	7,285.72	307.70	252.62	90.21	1,308.52	-5,723.51	4,218.93	3,819.88	399.04	10.573		
17,900.00	7,255.91	7,285.91	7,285.91	310.54	252.63	90.21	1,308.52	-5,723.51	4,307.98	3,910.47	397.52	10.837		
18,000.00	7,256.10	7,286.10	7,286.10	313.39	252.63	90.22	1,308.52	-5,723.51	4,397.51	4,001.47	396.04	11.104		
18,100.00	7,256.28	7,286.28	7,286.28	316.23	252.64	90.22	1,308.52	-5,723.51	4,487.48	4,092.87	394.61	11.372		
18,200.00	7,256.47	7,286.47	7,286.47	319.07	252.65	90.23	1,308.52	-5,723.51	4,577.86	4,184.63	393.23	11.642		
18,300.00	7,256.65	7,286.65	7,286.65	321.91	252.65	90.23	1,308.52	-5,723.51	4,668.64	4,276.75	391.90	11.913		
18,400.00	7,256.84	7,286.84	7,286.84	324.76	252.66	90.24	1,308.52	-5,723.51	4,759.79	4,369.18	390.61	12.186		
18,500.00	7,257.03	7,287.03	7,287.03	327.60	252.67	90.24	1,308.52	-5,723.51	4,851.29	4,461.93	389.36	12.460		
18,600.00	7,257.21	7,287.21	7,287.21	330.44	252.67	90.25	1,308.52	-5,723.51	4,943.11	4,554.96	388.15	12.735		
18,700.00	7,257.40	7,287.40	7,287.40	333.29	252.68	90.26	1,308.52	-5,723.51	5,035.25	4,648.26	386.98	13.011		
18,800.00	7,257.59	7,287.59	7,287.59	336.13	252.69	90.26	1,308.52	-5,723.51	5,127.68	4,741.82	385.85	13.289		
18,900.00	7,257.77	7,287.77	7,287.77	338.98	252.69	90.27	1,308.52	-5,723.51	5,220.39	4,835.63	384.76	13.568		
19,000.00	7,257.96	7,287.96	7,287.96	341.82	252.70	90.27	1,308.52	-5,723.51	5,313.37	4,929.66	383.70	13.848		
19,022.43	7,258.00	7,288.00	7,288.00	342.46	252.70	90.27	1,308.52	-5,723.51	5,334.25	4,950.78	383.47	13.910		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.00	23.00	3.28	3.30	-88.64	103.48	-4,371.40	4,372.63					
100.00	100.00	123.00	123.00	3.28	4.15	-88.64	103.48	-4,371.40	4,372.63	4,365.19	7.44	587.848		
200.00	200.00	223.00	223.00	3.34	6.87	-88.64	103.48	-4,371.40	4,372.63	4,362.42	10.21	428.283		
300.00	300.00	323.00	323.00	3.44	10.08	-88.64	103.48	-4,371.40	4,372.63	4,359.10	13.52	323.324		
400.00	399.98	422.98	422.98	3.60	13.43	155.35	103.48	-4,371.40	4,374.21	4,357.19	17.03	256.921		
500.00	499.84	522.84	522.84	3.79	16.83	155.34	103.48	-4,371.40	4,378.97	4,358.35	20.62	212.336		
600.00	599.45	622.45	622.45	4.03	20.25	155.32	103.48	-4,371.40	4,386.90	4,362.61	24.28	180.665		
700.00	698.70	721.70	721.70	4.30	23.68	155.30	103.48	-4,371.40	4,397.98	4,370.00	27.98	157.180		
800.00	797.47	820.47	820.47	4.61	27.10	155.26	103.48	-4,371.40	4,412.22	4,380.52	31.70	139.171		
900.00	895.62	918.62	918.62	4.96	30.50	155.22	103.48	-4,371.40	4,429.60	4,394.16	35.44	124.990		
939.50	934.20	957.20	957.20	5.10	31.84	155.20	103.48	-4,371.40	4,437.33	4,400.41	36.92	120.189		
1,000.00	993.20	1,016.20	1,016.20	5.33	33.89	155.27	103.48	-4,371.40	4,449.55	4,410.36	39.18	113.558		
1,100.00	1,090.72	1,113.72	1,113.72	5.73	37.28	155.39	103.48	-4,371.40	4,469.75	4,426.81	42.94	104.096		
1,200.00	1,188.24	1,211.24	1,211.24	6.15	40.67	155.50	103.48	-4,371.40	4,489.97	4,443.26	46.71	96.118		
1,300.00	1,285.76	1,308.76	1,308.76	6.59	44.07	155.62	103.48	-4,371.40	4,510.21	4,459.71	50.50	89.306		
1,400.00	1,383.28	1,406.28	1,406.28	7.04	47.46	155.73	103.48	-4,371.40	4,530.47	4,476.16	54.31	83.426		
1,500.00	1,480.80	1,503.80	1,503.80	7.50	50.86	155.85	103.48	-4,371.40	4,550.74	4,492.62	58.12	78.302		
1,600.00	1,578.31	1,601.31	1,601.31	7.96	54.26	155.96	103.48	-4,371.40	4,571.03	4,509.09	61.94	73.800		
1,700.00	1,675.83	1,701.17	1,698.83	8.44	57.74	156.07	103.48	-4,371.40	4,591.34	4,525.49	65.85	69.727		
1,800.00	1,773.35	1,803.65	1,796.35	8.92	61.31	156.18	103.48	-4,371.40	4,611.67	4,541.81	69.85	66.018		
1,900.00	1,870.87	1,906.13	1,893.87	9.40	64.88	156.29	103.48	-4,371.40	4,632.01	4,558.14	73.87	62.707		
2,000.00	1,968.39	2,008.61	1,991.39	9.89	68.45	156.40	103.48	-4,371.40	4,652.37	4,574.49	77.88	59.735		
2,100.00	2,065.91	2,088.91	2,088.91	10.39	71.25	156.51	103.48	-4,371.40	4,672.74	4,591.61	81.13	57.596		
2,200.00	2,163.43	2,186.43	2,186.43	10.88	74.65	156.62	103.48	-4,371.40	4,693.14	4,608.15	84.98	55.226		
2,300.00	2,260.95	2,283.95	2,283.95	11.38	78.06	156.73	103.48	-4,371.40	4,713.54	4,624.71	88.83	53.060		
2,400.00	2,358.46	2,381.46	2,381.46	11.89	81.46	156.83	103.48	-4,371.40	4,733.96	4,641.27	92.69	51.073		
2,500.00	2,455.98	2,478.98	2,478.98	12.39	84.86	156.94	103.48	-4,371.40	4,754.40	4,657.85	96.55	49.244		
2,600.00	2,553.50	2,576.50	2,576.50	12.89	88.26	157.04	103.48	-4,371.40	4,774.85	4,674.45	100.41	47.555		
2,700.00	2,651.02	2,674.02	2,674.02	13.40	91.66	157.14	103.48	-4,371.40	4,795.32	4,691.05	104.27	45.990		
2,800.00	2,748.54	2,771.54	2,771.54	13.91	95.07	157.24	103.48	-4,371.40	4,815.80	4,707.67	108.13	44.537		
2,900.00	2,846.06	2,869.06	2,869.06	14.42	98.47	157.34	103.48	-4,371.40	4,836.30	4,724.31	112.00	43.183		
3,000.00	2,943.58	2,966.58	2,966.58	14.93	101.87	157.45	103.48	-4,371.40	4,856.81	4,740.95	115.86	41.919		
3,100.00	3,041.10	3,064.10	3,064.10	15.45	105.27	157.54	103.48	-4,371.40	4,877.34	4,757.61	119.73	40.737		
3,200.00	3,138.61	3,161.61	3,161.61	15.96	108.68	157.64	103.48	-4,371.40	4,897.88	4,774.28	123.59	39.629		
3,300.00	3,236.13	3,259.13	3,259.13	16.47	112.08	157.74	103.48	-4,371.40	4,918.43	4,790.97	127.46	38.587		
3,400.00	3,333.65	3,356.65	3,356.65	16.99	115.48	157.84	103.48	-4,371.40	4,939.00	4,807.67	131.33	37.607		
3,500.00	3,431.17	3,454.17	3,454.17	17.50	118.89	157.93	103.48	-4,371.40	4,959.58	4,824.38	135.20	36.683		
3,600.00	3,528.69	3,551.69	3,551.69	18.02	122.29	158.03	103.48	-4,371.40	4,980.18	4,841.10	139.07	35.810		
3,700.00	3,626.21	3,649.21	3,649.21	18.54	125.69	158.12	103.48	-4,371.40	5,000.78	4,857.84	142.94	34.985		
3,800.00	3,723.73	3,746.73	3,746.73	19.06	129.09	158.22	103.48	-4,371.40	5,021.40	4,874.59	146.81	34.203		
3,900.00	3,821.25	3,844.25	3,844.25	19.57	132.50	158.31	103.48	-4,371.40	5,042.04	4,891.35	150.68	33.461		
4,000.00	3,918.77	3,941.77	3,941.77	20.09	135.90	158.40	103.48	-4,371.40	5,062.68	4,908.13	154.56	32.756		
4,100.00	4,016.28	4,039.28	4,039.28	20.61	139.30	158.49	103.48	-4,371.40	5,083.34	4,924.91	158.43	32.086		
4,200.00	4,113.80	4,136.80	4,136.80	21.13	142.71	158.59	103.48	-4,371.40	5,104.01	4,941.71	162.30	31.448		
4,300.00	4,211.32	4,234.32	4,234.32	21.65	146.11	158.68	103.48	-4,371.40	5,124.70	4,958.52	166.17	30.839		
4,400.00	4,308.84	4,331.84	4,331.84	22.17	149.52	158.76	103.48	-4,371.40	5,145.39	4,975.34	170.05	30.259		
4,500.00	4,406.36	4,429.36	4,429.36	22.69	152.92	158.85	103.48	-4,371.40	5,166.10	4,992.18	173.92	29.704		
4,600.00	4,503.88	4,526.88	4,526.88	23.21	156.32	158.94	103.48	-4,371.40	5,186.82	5,009.02	177.80	29.173		
4,700.00	4,601.40	4,624.40	4,624.40	23.73	159.73	159.03	103.48	-4,371.40	5,207.55	5,025.88	181.67	28.665		
4,800.00	4,698.92	4,721.92	4,721.92	24.26	163.13	159.12	103.48	-4,371.40	5,228.29	5,042.75	185.54	28.178		
4,900.00	4,796.43	4,819.43	4,819.43	24.78	166.53	159.20	103.48	-4,371.40	5,249.04	5,059.63	189.42	27.711		
5,000.00	4,893.95	4,916.95	4,916.95	25.30	169.94	159.29	103.48	-4,371.40	5,269.81	5,076.52	193.29	27.263		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,014.47	5,014.47	25.82	173.34	159.37	103.48	-4,371.40	5,290.58	5,093.42	197.17	26.833		
5,200.00	5,088.99	5,111.99	5,111.99	26.34	176.74	159.45	103.48	-4,371.40	5,311.37	5,110.33	201.04	26.419		
5,300.00	5,186.51	5,209.51	5,209.51	26.87	180.15	159.54	103.48	-4,371.40	5,332.17	5,127.25	204.92	26.021		
5,400.00	5,284.03	5,307.03	5,307.03	27.39	183.55	159.62	103.48	-4,371.40	5,352.98	5,144.19	208.79	25.638		
5,500.00	5,381.55	5,404.55	5,404.55	27.91	186.96	159.70	103.48	-4,371.40	5,373.80	5,161.13	212.67	25.268		
5,600.00	5,479.07	5,502.07	5,502.07	28.43	190.36	159.78	103.48	-4,371.40	5,394.63	5,178.08	216.54	24.912		
5,700.00	5,576.58	5,600.42	5,599.58	28.96	193.79	159.86	103.48	-4,371.40	5,415.47	5,195.02	220.45	24.566		
5,800.00	5,674.10	5,702.90	5,697.10	29.48	197.37	159.94	103.48	-4,371.40	5,436.32	5,211.82	224.50	24.216		
5,900.00	5,771.62	5,805.38	5,794.62	30.00	200.95	160.02	103.48	-4,371.40	5,457.18	5,228.63	228.55	23.878		
6,000.00	5,869.14	5,907.86	5,892.14	30.53	204.52	160.10	103.48	-4,371.40	5,478.05	5,245.46	232.59	23.552		
6,100.00	5,966.66	5,989.66	5,989.66	31.05	207.38	160.18	103.48	-4,371.40	5,498.93	5,263.01	235.92	23.308		
6,200.00	6,064.18	6,087.18	6,087.18	31.58	210.78	160.26	103.48	-4,371.40	5,519.82	5,280.02	239.80	23.019		
6,300.00	6,161.70	6,184.70	6,184.70	32.10	214.19	160.34	103.48	-4,371.40	5,540.72	5,297.05	243.67	22.738		
6,400.00	6,259.22	6,282.22	6,282.22	32.62	217.59	160.41	103.48	-4,371.40	5,561.63	5,314.08	247.55	22.467		
6,500.00	6,356.74	6,379.74	6,379.74	33.15	221.00	160.49	103.48	-4,371.40	5,582.55	5,331.12	251.43	22.204		
6,600.00	6,454.25	6,477.25	6,477.25	33.67	224.40	160.56	103.48	-4,371.40	5,603.48	5,348.18	255.30	21.948		
6,623.48	6,477.15	6,500.15	6,500.15	33.80	225.20	160.58	103.48	-4,371.40	5,608.39	5,352.18	256.21	21.890		
6,650.00	6,503.12	6,526.12	6,526.12	33.93	226.11	154.96	103.48	-4,371.40	5,613.41	5,356.17	257.24	21.822		
6,700.00	6,552.50	6,575.50	6,575.50	34.16	227.83	136.03	103.48	-4,371.40	5,619.92	5,360.73	259.19	21.683		
6,750.00	6,602.21	6,625.21	6,625.21	34.36	229.56	98.02	103.48	-4,371.40	5,622.55	5,361.42	261.13	21.531		
6,800.00	6,651.92	6,674.92	6,674.92	34.54	231.30	59.16	103.48	-4,371.40	5,621.29	5,358.24	263.05	21.370		
6,850.00	6,701.33	6,724.33	6,724.33	34.70	233.02	39.62	103.48	-4,371.40	5,616.15	5,351.22	264.94	21.198		
6,900.00	6,750.14	6,773.14	6,773.14	34.86	234.73	30.30	103.48	-4,371.40	5,607.16	5,340.38	266.78	21.018		
6,950.00	6,798.04	6,821.04	6,821.04	35.02	236.40	25.24	103.48	-4,371.40	5,594.38	5,325.81	268.57	20.830		
7,000.00	6,844.75	6,867.75	6,867.75	35.19	238.03	22.24	103.48	-4,371.40	5,577.88	5,307.58	270.30	20.636		
7,050.00	6,889.97	6,912.97	6,912.97	35.37	239.61	20.37	103.48	-4,371.40	5,557.77	5,285.81	271.96	20.436		
7,100.00	6,933.42	6,956.42	6,956.42	35.57	241.13	19.22	103.48	-4,371.40	5,534.17	5,260.64	273.54	20.232		
7,150.00	6,974.83	7,002.17	6,997.83	35.79	242.72	18.58	103.48	-4,371.40	5,507.24	5,232.06	275.18	20.013		
7,200.00	7,013.96	7,036.96	7,036.96	36.02	243.94	18.34	103.48	-4,371.40	5,477.14	5,200.71	276.43	19.814		
7,250.00	7,050.56	7,073.56	7,073.56	36.28	245.21	18.44	103.48	-4,371.40	5,444.05	5,166.33	277.72	19.603		
7,300.00	7,084.39	7,107.39	7,107.39	36.57	246.40	18.89	103.48	-4,371.40	5,408.18	5,129.27	278.91	19.391		
7,350.00	7,115.27	7,138.27	7,138.27	36.89	247.47	19.72	103.48	-4,371.40	5,369.75	5,089.77	279.98	19.179		
7,400.00	7,142.99	7,165.99	7,165.99	37.25	248.44	21.00	103.48	-4,371.40	5,329.00	5,048.06	280.94	18.968		
7,450.00	7,167.38	7,209.62	7,190.38	37.65	249.96	22.88	103.48	-4,371.40	5,286.18	5,003.73	282.45	18.716		
7,500.00	7,188.30	7,211.30	7,211.30	38.08	250.02	25.60	103.48	-4,371.40	5,241.55	4,959.06	282.49	18.555		
7,550.00	7,205.61	7,228.61	7,228.61	38.55	250.63	29.62	103.48	-4,371.40	5,195.40	4,912.32	283.08	18.353		
7,600.00	7,219.20	7,242.20	7,242.20	39.06	251.10	35.80	103.48	-4,371.40	5,147.99	4,864.46	283.54	18.156		
7,650.00	7,229.00	7,252.00	7,252.00	39.61	251.44	45.84	103.48	-4,371.40	5,099.64	4,815.77	283.87	17.965		
7,700.00	7,234.95	7,257.95	7,257.95	40.18	251.65	62.82	103.48	-4,371.40	5,050.62	4,766.55	284.07	17.779		
7,750.07	7,237.00	7,260.00	7,260.00	40.78	251.72	89.29	103.48	-4,371.40	5,001.18	4,717.04	284.15	17.601		
7,800.00	7,237.09	7,260.09	7,260.09	41.41	251.73	89.29	103.48	-4,371.40	4,951.80	4,667.64	284.16	17.426		
7,900.00	7,237.28	7,260.28	7,260.28	42.79	251.73	89.31	103.48	-4,371.40	4,852.95	4,568.75	284.19	17.076		
8,000.00	7,237.47	7,260.47	7,260.47	44.31	251.74	89.32	103.48	-4,371.40	4,754.14	4,469.90	284.24	16.726		
8,100.00	7,237.65	7,260.65	7,260.65	45.97	251.75	89.34	103.48	-4,371.40	4,655.38	4,371.09	284.30	16.375		
8,200.00	7,237.84	7,260.84	7,260.84	47.75	251.75	89.35	103.48	-4,371.40	4,556.68	4,272.31	284.36	16.024		
8,300.00	7,238.02	7,261.02	7,261.02	49.63	251.76	89.37	103.48	-4,371.40	4,458.03	4,173.59	284.45	15.673		
8,400.00	7,238.21	7,261.21	7,261.21	51.61	251.77	89.38	103.48	-4,371.40	4,359.45	4,074.90	284.54	15.321		
8,500.00	7,238.40	7,261.40	7,261.40	53.66	251.77	89.39	103.48	-4,371.40	4,260.93	3,976.27	284.66	14.969		
8,600.00	7,238.58	7,261.58	7,261.58	55.79	251.78	89.41	103.48	-4,371.40	4,162.49	3,877.69	284.79	14.616		
8,700.00	7,238.77	7,261.77	7,261.77	57.99	251.78	89.42	103.48	-4,371.40	4,064.11	3,779.17	284.95	14.263		
8,800.00	7,238.96	7,261.96	7,261.96	60.24	251.79	89.44	103.48	-4,371.40	3,965.83	3,680.70	285.13	13.909		
8,900.00	7,239.14	7,262.14	7,262.14	62.54	251.80	89.45	103.48	-4,371.40	3,867.62	3,582.29	285.33	13.555		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,262.33	7,262.33	64.88	251.80	89.47	103.48	-4,371.40	3,769.52	3,483.95	285.57	13.200		
9,100.00	7,239.52	7,262.52	7,262.52	67.27	251.81	89.48	103.48	-4,371.40	3,671.51	3,385.68	285.83	12.845		
9,200.00	7,239.70	7,262.70	7,262.70	69.69	251.82	89.50	103.48	-4,371.40	3,573.62	3,287.48	286.13	12.489		
9,300.00	7,239.89	7,262.89	7,262.89	72.15	251.82	89.51	103.48	-4,371.40	3,475.84	3,189.37	286.48	12.133		
9,400.00	7,240.07	7,263.07	7,263.07	74.63	251.83	89.52	103.48	-4,371.40	3,378.20	3,091.34	286.86	11.776		
9,500.00	7,240.26	7,263.26	7,263.26	77.14	251.84	89.54	103.48	-4,371.40	3,280.70	2,993.40	287.30	11.419		
9,600.00	7,240.45	7,263.45	7,263.45	79.68	251.84	89.55	103.48	-4,371.40	3,183.35	2,895.56	287.79	11.061		
9,700.00	7,240.63	7,263.63	7,263.63	82.23	251.85	89.57	103.48	-4,371.40	3,086.17	2,797.83	288.34	10.703		
9,800.00	7,240.82	7,263.82	7,263.82	84.81	251.86	89.58	103.48	-4,371.40	2,989.18	2,700.21	288.97	10.344		
9,900.00	7,241.01	7,264.01	7,264.01	87.40	251.86	89.60	103.48	-4,371.40	2,892.39	2,602.72	289.67	9.985		
10,000.00	7,241.19	7,264.19	7,264.19	90.01	251.87	89.61	103.48	-4,371.40	2,795.83	2,505.37	290.46	9.626		
10,100.00	7,241.38	7,264.38	7,264.38	92.64	251.88	89.63	103.48	-4,371.40	2,699.52	2,408.18	291.34	9.266		
10,200.00	7,241.56	7,264.56	7,264.56	95.28	251.88	89.64	103.48	-4,371.40	2,603.49	2,311.15	292.34	8.906		
10,300.00	7,241.75	7,264.75	7,264.75	97.93	251.89	89.65	103.48	-4,371.40	2,507.77	2,214.31	293.46	8.546		
10,400.00	7,241.94	7,264.94	7,264.94	100.59	251.90	89.66	103.48	-4,371.40	2,412.39	2,117.68	294.72	8.185		
10,500.00	7,242.12	7,265.12	7,265.12	103.26	251.90	89.68	103.48	-4,371.40	2,317.41	2,021.28	296.13	7.826		
10,600.00	7,242.31	7,265.31	7,265.31	105.95	251.91	89.70	103.48	-4,371.40	2,222.86	1,925.14	297.72	7.466		
10,700.00	7,242.50	7,265.50	7,265.50	108.64	251.91	89.71	103.48	-4,371.40	2,128.82	1,829.31	299.50	7.108		
10,800.00	7,242.68	7,265.68	7,265.68	111.34	251.92	89.73	103.48	-4,371.40	2,035.34	1,733.82	301.51	6.750		
10,900.00	7,242.87	7,265.87	7,265.87	114.05	251.93	89.74	103.48	-4,371.40	1,942.51	1,638.73	303.78	6.395		
11,000.00	7,243.05	7,266.05	7,266.05	116.76	251.93	89.76	103.48	-4,371.40	1,850.43	1,544.10	306.33	6.041		
11,100.00	7,243.24	7,266.24	7,266.24	119.49	251.94	89.77	103.48	-4,371.40	1,759.21	1,450.01	309.20	5.690		
11,200.00	7,243.43	7,266.43	7,266.43	122.22	251.95	89.78	103.48	-4,371.40	1,669.00	1,356.56	312.44	5.342		
11,300.00	7,243.61	7,266.61	7,266.61	124.95	251.95	89.80	103.48	-4,371.40	1,579.97	1,263.87	316.10	4.998		
11,400.00	7,243.80	7,266.80	7,266.80	127.69	251.96	89.81	103.48	-4,371.40	1,492.33	1,172.10	320.23	4.660		
11,500.00	7,243.99	7,266.99	7,266.99	130.44	251.97	89.83	103.48	-4,371.40	1,406.34	1,081.44	324.90	4.329		
11,600.00	7,244.17	7,267.17	7,267.17	133.19	251.97	89.84	103.48	-4,371.40	1,322.32	992.16	330.16	4.005		
11,700.00	7,244.36	7,267.36	7,267.36	135.94	251.98	89.86	103.48	-4,371.40	1,240.67	904.57	336.10	3.691		
11,800.00	7,244.55	7,267.55	7,267.55	138.70	251.99	89.87	103.48	-4,371.40	1,161.90	819.14	342.76	3.390		
11,900.00	7,244.73	7,267.73	7,267.73	141.47	251.99	89.89	103.48	-4,371.40	1,086.62	736.42	350.20	3.103		
12,000.00	7,244.92	7,267.92	7,267.92	144.24	252.00	89.90	103.48	-4,371.40	1,015.62	657.19	358.43	2.834		
12,100.00	7,245.10	7,268.10	7,268.10	147.01	252.01	89.91	103.48	-4,371.40	949.86	582.47	367.39	2.585		
12,200.00	7,245.29	7,268.29	7,268.29	149.78	252.01	89.93	103.48	-4,371.40	890.49	513.58	376.92	2.363		
12,300.00	7,245.48	7,268.48	7,268.48	152.56	252.02	89.94	103.48	-4,371.40	838.88	452.19	386.69	2.169		
12,400.00	7,245.66	7,268.66	7,268.66	155.34	252.03	89.96	103.48	-4,371.40	796.53	400.34	396.18	2.010		
12,500.00	7,245.85	7,268.85	7,268.85	158.12	252.03	89.97	103.48	-4,371.40	764.98	360.27	404.71	1.890		
12,600.00	7,246.04	7,269.04	7,269.04	160.91	252.04	89.99	103.48	-4,371.40	745.61	334.15	411.46	1.812		
12,696.30	7,246.21	7,269.21	7,269.21	163.59	252.04	90.00	103.48	-4,371.40	739.36	323.73	415.63	1.779 CC		
12,700.00	7,246.22	7,269.22	7,269.22	163.70	252.04	90.00	103.48	-4,371.40	739.37	323.63	415.74	1.778 ES, SF		
12,800.00	7,246.41	7,269.41	7,269.41	166.49	252.05	90.01	103.48	-4,371.40	746.60	329.40	417.20	1.790		
12,900.00	7,246.59	7,269.59	7,269.59	169.28	252.06	90.03	103.48	-4,371.40	766.91	351.01	415.90	1.844		
13,000.00	7,246.78	7,269.78	7,269.78	172.08	252.06	90.04	103.48	-4,371.40	799.31	386.98	412.32	1.939		
13,100.00	7,246.97	7,269.97	7,269.97	174.88	252.07	90.06	103.48	-4,371.40	842.40	435.26	407.13	2.069		
13,200.00	7,247.15	7,270.15	7,270.15	177.68	252.08	90.07	103.48	-4,371.40	894.63	493.64	401.00	2.231		
13,300.00	7,247.34	7,270.34	7,270.34	180.48	252.08	90.09	103.48	-4,371.40	954.52	560.05	394.47	2.420		
13,400.00	7,247.53	7,270.53	7,270.53	183.28	252.09	90.10	103.48	-4,371.40	1,020.71	632.77	387.94	2.631		
13,500.00	7,247.71	7,270.71	7,270.71	186.09	252.10	90.12	103.48	-4,371.40	1,092.06	710.41	381.65	2.861		
13,600.00	7,247.90	7,270.90	7,270.90	188.90	252.10	90.13	103.48	-4,371.40	1,167.62	791.87	375.75	3.107		
13,700.00	7,248.08	7,271.08	7,271.08	191.70	252.11	90.14	103.48	-4,371.40	1,246.62	876.34	370.28	3.367		
13,800.00	7,248.27	7,271.27	7,271.27	194.52	252.12	90.16	103.48	-4,371.40	1,328.46	963.18	365.28	3.637		
13,900.00	7,248.46	7,271.46	7,271.46	197.33	252.12	90.17	103.48	-4,371.40	1,412.64	1,051.93	360.71	3.916		
14,000.00	7,248.64	7,271.64	7,271.64	200.14	252.13	90.19	103.48	-4,371.40	1,498.76	1,142.20	356.56	4.203		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,271.83	7,271.83	202.95	252.14	90.20	103.48	-4,371.40	1,586.51	1,233.72	352.79	4.497		
14,200.00	7,249.02	7,272.02	7,272.02	205.77	252.14	90.22	103.48	-4,371.40	1,675.64	1,326.27	349.37	4.796		
14,300.00	7,249.20	7,272.20	7,272.20	208.59	252.15	90.23	103.48	-4,371.40	1,765.93	1,419.67	346.26	5.100		
14,400.00	7,249.39	7,272.39	7,272.39	211.41	252.16	90.25	103.48	-4,371.40	1,857.21	1,513.78	343.43	5.408		
14,500.00	7,249.58	7,272.58	7,272.58	214.23	252.16	90.26	103.48	-4,371.40	1,949.35	1,608.50	340.85	5.719		
14,600.00	7,249.76	7,272.76	7,272.76	217.05	252.17	90.27	103.48	-4,371.40	2,042.23	1,703.74	338.49	6.033		
14,700.00	7,249.95	7,272.95	7,272.95	219.87	252.17	90.29	103.48	-4,371.40	2,135.76	1,799.42	336.34	6.350		
14,800.00	7,250.13	7,273.13	7,273.13	222.69	252.18	90.30	103.48	-4,371.40	2,229.84	1,895.48	334.36	6.669		
14,900.00	7,250.32	7,273.32	7,273.32	225.51	252.19	90.32	103.48	-4,371.40	2,324.42	1,991.88	332.54	6.990		
15,000.00	7,250.51	7,273.51	7,273.51	228.34	252.19	90.33	103.48	-4,371.40	2,419.44	2,088.57	330.87	7.312		
15,100.00	7,250.69	7,273.69	7,273.69	231.16	252.20	90.35	103.48	-4,371.40	2,514.84	2,185.51	329.33	7.636		
15,200.00	7,250.88	7,273.88	7,273.88	233.99	252.21	90.36	103.48	-4,371.40	2,610.58	2,282.68	327.90	7.961		
15,300.00	7,251.07	7,274.07	7,274.07	236.82	252.21	90.38	103.48	-4,371.40	2,706.64	2,380.05	326.59	8.288		
15,400.00	7,251.25	7,274.25	7,274.25	239.65	252.22	90.39	103.48	-4,371.40	2,802.97	2,477.60	325.36	8.615		
15,500.00	7,251.44	7,274.44	7,274.44	242.47	252.23	90.40	103.48	-4,371.40	2,899.55	2,575.32	324.23	8.943		
15,600.00	7,251.62	7,274.62	7,274.62	245.30	252.23	90.42	103.48	-4,371.40	2,996.35	2,673.18	323.17	9.272		
15,700.00	7,251.81	7,274.81	7,274.81	248.13	252.24	90.43	103.48	-4,371.40	3,093.35	2,771.17	322.19	9.601		
15,800.00	7,252.00	7,275.00	7,275.00	250.97	252.25	90.45	103.48	-4,371.40	3,190.54	2,869.27	321.27	9.931		
15,900.00	7,252.18	7,275.18	7,275.18	253.80	252.25	90.46	103.48	-4,371.40	3,287.90	2,967.49	320.41	10.261		
16,000.00	7,252.37	7,275.37	7,275.37	256.63	252.26	90.48	103.48	-4,371.40	3,385.42	3,065.81	319.61	10.592		
16,100.00	7,252.56	7,275.56	7,275.56	259.46	252.27	90.49	103.48	-4,371.40	3,483.07	3,164.21	318.86	10.923		
16,200.00	7,252.74	7,275.74	7,275.74	262.30	252.27	90.51	103.48	-4,371.40	3,580.86	3,262.70	318.16	11.255		
16,300.00	7,252.93	7,275.93	7,275.93	265.13	252.28	90.52	103.48	-4,371.40	3,678.76	3,361.26	317.50	11.587		
16,400.00	7,253.11	7,276.11	7,276.11	267.96	252.29	90.53	103.48	-4,371.40	3,776.77	3,459.89	316.88	11.919		
16,500.00	7,253.30	7,276.30	7,276.30	270.80	252.29	90.55	103.48	-4,371.40	3,874.89	3,558.58	316.30	12.251		
16,600.00	7,253.49	7,276.49	7,276.49	273.64	252.30	90.56	103.48	-4,371.40	3,973.09	3,657.34	315.76	12.583		
16,700.00	7,253.67	7,276.67	7,276.67	276.47	252.30	90.58	103.48	-4,371.40	4,071.39	3,756.15	315.24	12.915		
16,800.00	7,253.86	7,276.86	7,276.86	279.31	252.31	90.59	103.48	-4,371.40	4,169.77	3,855.01	314.76	13.248		
16,900.00	7,254.05	7,277.05	7,277.05	282.15	252.32	90.61	103.48	-4,371.40	4,268.22	3,953.92	314.30	13.580		
17,000.00	7,254.23	7,277.23	7,277.23	284.98	252.32	90.62	103.48	-4,371.40	4,366.74	4,052.87	313.87	13.912		
17,100.00	7,254.42	7,277.42	7,277.42	287.82	252.33	90.64	103.48	-4,371.40	4,465.33	4,151.86	313.47	14.245		
17,200.00	7,254.61	7,277.61	7,277.61	290.66	252.34	90.65	103.48	-4,371.40	4,563.98	4,250.89	313.08	14.577		
17,300.00	7,254.79	7,277.79	7,277.79	293.50	252.34	90.66	103.48	-4,371.40	4,662.69	4,349.96	312.72	14.910		
17,400.00	7,254.98	7,277.98	7,277.98	296.34	252.35	90.68	103.48	-4,371.40	4,761.45	4,449.06	312.38	15.242		
17,500.00	7,255.16	7,278.16	7,278.16	299.18	252.36	90.69	103.48	-4,371.40	4,860.26	4,548.20	312.06	15.575		
17,600.00	7,255.35	7,278.35	7,278.35	302.02	252.36	90.71	103.48	-4,371.40	4,959.12	4,647.36	311.76	15.907		
17,700.00	7,255.54	7,278.54	7,278.54	304.86	252.37	90.72	103.48	-4,371.40	5,058.02	4,746.55	311.47	16.239		
17,800.00	7,255.72	7,278.72	7,278.72	307.70	252.38	90.74	103.48	-4,371.40	5,156.97	4,845.77	311.20	16.571		
17,900.00	7,255.91	7,278.91	7,278.91	310.54	252.38	90.75	103.48	-4,371.40	5,255.95	4,945.01	310.94	16.903		
18,000.00	7,256.10	7,279.10	7,279.10	313.39	252.39	90.77	103.48	-4,371.40	5,354.98	5,044.28	310.70	17.235		
18,100.00	7,256.28	7,279.28	7,279.28	316.23	252.40	90.78	103.48	-4,371.40	5,454.04	5,143.56	310.47	17.567		
18,200.00	7,256.47	7,279.47	7,279.47	319.07	252.40	90.79	103.48	-4,371.40	5,553.13	5,242.87	310.26	17.898		
18,300.00	7,256.65	7,279.65	7,279.65	321.91	252.41	90.81	103.48	-4,371.40	5,652.26	5,342.20	310.05	18.230		
18,400.00	7,256.84	7,279.84	7,279.84	324.76	252.42	90.82	103.48	-4,371.40	5,751.41	5,441.55	309.86	18.561		
18,500.00	7,257.03	7,280.03	7,280.03	327.60	252.42	90.84	103.48	-4,371.40	5,850.60	5,540.91	309.68	18.892		
18,600.00	7,257.21	7,280.21	7,280.21	330.44	252.43	90.85	103.48	-4,371.40	5,949.81	5,640.30	309.51	19.223		
18,700.00	7,257.40	7,280.40	7,280.40	333.29	252.44	90.87	103.48	-4,371.40	6,049.04	5,739.69	309.35	19.554		
18,800.00	7,257.59	7,280.59	7,280.59	336.13	252.44	90.88	103.48	-4,371.40	6,148.31	5,839.11	309.20	19.885		
18,900.00	7,257.77	7,280.77	7,280.77	338.98	252.45	90.90	103.48	-4,371.40	6,247.59	5,938.53	309.06	20.215		
19,000.00	7,257.96	7,280.96	7,280.96	341.82	252.45	90.91	103.48	-4,371.40	6,346.90	6,037.98	308.92	20.545		
19,022.43	7,258.00	7,281.00	7,281.00	342.46	252.46	90.91	103.48	-4,371.40	6,369.18	6,060.28	308.90	20.619		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	32.00	32.00	3.28	3.33	-92.71	-424.60	-8,977.71	8,987.74					
100.00	100.00	132.00	132.00	3.28	4.35	-92.71	-424.60	-8,977.71	8,987.74	8,980.11	7.64	1,176.684		
200.00	200.00	232.00	232.00	3.34	7.15	-92.71	-424.60	-8,977.71	8,987.74	8,977.26	10.49	857.009		
300.00	300.00	332.00	332.00	3.44	10.38	-92.71	-424.60	-8,977.71	8,987.74	8,973.92	13.82	650.269		
400.00	399.98	431.98	431.98	3.60	13.73	151.28	-424.60	-8,977.71	8,989.28	8,971.94	17.33	518.700		
500.00	499.84	531.84	531.84	3.79	17.14	151.25	-424.60	-8,977.71	8,993.87	8,972.93	20.93	429.691		
600.00	599.45	631.45	631.45	4.03	20.56	151.21	-424.60	-8,977.71	9,001.51	8,976.92	24.59	366.036		
700.00	698.70	730.70	730.70	4.30	23.99	151.14	-424.60	-8,977.71	9,012.21	8,983.92	28.29	318.546		
800.00	797.47	829.47	829.47	4.61	27.41	151.05	-424.60	-8,977.71	9,025.94	8,993.93	32.02	281.920		
900.00	895.62	927.62	927.62	4.96	30.81	150.95	-424.60	-8,977.71	9,042.70	9,006.95	35.75	252.916		
939.50	934.20	966.20	966.20	5.10	32.15	150.90	-424.60	-8,977.71	9,050.15	9,012.92	37.23	243.059		
1,000.00	993.20	1,025.20	1,025.20	5.33	34.20	150.94	-424.60	-8,977.71	9,061.93	9,022.43	39.50	229.419		
1,100.00	1,090.72	1,122.72	1,122.72	5.73	37.59	151.01	-424.60	-8,977.71	9,081.40	9,038.14	43.26	209.933		
1,200.00	1,188.24	1,220.24	1,220.24	6.15	40.98	151.08	-424.60	-8,977.71	9,100.88	9,053.84	47.04	193.484		
1,300.00	1,285.76	1,317.76	1,317.76	6.59	44.38	151.14	-424.60	-8,977.71	9,120.37	9,069.54	50.83	179.428		
1,400.00	1,383.28	1,415.28	1,415.28	7.04	47.77	151.21	-424.60	-8,977.71	9,139.88	9,085.24	54.64	167.285		
1,500.00	1,480.80	1,512.80	1,512.80	7.50	51.17	151.28	-424.60	-8,977.71	9,159.40	9,100.95	58.45	156.697		
1,600.00	1,578.31	1,610.31	1,610.31	7.96	54.57	151.34	-424.60	-8,977.71	9,178.93	9,116.65	62.28	147.386		
1,700.00	1,675.83	1,707.83	1,707.83	8.44	57.97	151.41	-424.60	-8,977.71	9,198.47	9,132.36	66.11	139.137		
1,800.00	1,773.35	1,805.35	1,805.35	8.92	61.37	151.47	-424.60	-8,977.71	9,218.03	9,148.08	69.95	131.782		
1,900.00	1,870.87	1,902.87	1,902.87	9.40	64.77	151.54	-424.60	-8,977.71	9,237.59	9,163.80	73.79	125.183		
2,000.00	1,968.39	2,000.39	2,000.39	9.89	68.17	151.60	-424.60	-8,977.71	9,257.17	9,179.53	77.64	119.230		
2,100.00	2,065.91	2,102.09	2,102.09	10.39	71.71	151.67	-424.60	-8,977.71	9,276.76	9,195.12	81.64	113.631		
2,200.00	2,163.43	2,204.57	2,195.43	10.88	75.29	151.73	-424.60	-8,977.71	9,296.36	9,210.69	85.67	108.517		
2,300.00	2,260.95	2,307.05	2,292.95	11.38	78.86	151.80	-424.60	-8,977.71	9,315.97	9,226.27	89.70	103.858		
2,400.00	2,358.46	2,409.54	2,390.46	11.89	82.44	151.86	-424.60	-8,977.71	9,335.59	9,241.86	93.73	99.598		
2,500.00	2,455.98	2,487.98	2,487.98	12.39	85.17	151.92	-424.60	-8,977.71	9,355.23	9,258.30	96.93	96.515		
2,600.00	2,553.50	2,585.50	2,585.50	12.89	88.58	151.99	-424.60	-8,977.71	9,374.87	9,274.08	100.79	93.009		
2,700.00	2,651.02	2,683.02	2,683.02	13.40	91.98	152.05	-424.60	-8,977.71	9,394.53	9,289.87	104.66	89.761		
2,800.00	2,748.54	2,780.54	2,780.54	13.91	95.38	152.11	-424.60	-8,977.71	9,414.19	9,305.66	108.53	86.743		
2,900.00	2,846.06	2,878.06	2,878.06	14.42	98.78	152.18	-424.60	-8,977.71	9,433.87	9,321.47	112.40	83.932		
3,000.00	2,943.58	2,975.58	2,975.58	14.93	102.18	152.24	-424.60	-8,977.71	9,453.56	9,337.29	116.27	81.307		
3,100.00	3,041.10	3,073.10	3,073.10	15.45	105.59	152.30	-424.60	-8,977.71	9,473.26	9,353.12	120.14	78.851		
3,200.00	3,138.61	3,170.61	3,170.61	15.96	108.99	152.36	-424.60	-8,977.71	9,492.97	9,368.96	124.01	76.548		
3,300.00	3,236.13	3,268.13	3,268.13	16.47	112.39	152.42	-424.60	-8,977.71	9,512.69	9,384.81	127.89	74.384		
3,400.00	3,333.65	3,365.65	3,365.65	16.99	115.80	152.48	-424.60	-8,977.71	9,532.43	9,400.66	131.76	72.346		
3,500.00	3,431.17	3,463.17	3,463.17	17.50	119.20	152.55	-424.60	-8,977.71	9,552.17	9,416.53	135.64	70.425		
3,600.00	3,528.69	3,560.69	3,560.69	18.02	122.60	152.61	-424.60	-8,977.71	9,571.92	9,432.41	139.51	68.610		
3,700.00	3,626.21	3,658.21	3,658.21	18.54	126.01	152.67	-424.60	-8,977.71	9,591.68	9,448.30	143.39	66.893		
3,800.00	3,723.73	3,755.73	3,755.73	19.06	129.41	152.73	-424.60	-8,977.71	9,611.46	9,464.19	147.26	65.266		
3,900.00	3,821.25	3,853.25	3,853.25	19.57	132.81	152.79	-424.60	-8,977.71	9,631.24	9,480.10	151.14	63.723		
4,000.00	3,918.77	3,950.77	3,950.77	20.09	136.22	152.85	-424.60	-8,977.71	9,651.04	9,496.02	155.02	62.257		
4,100.00	4,016.28	4,048.28	4,048.28	20.61	139.62	152.91	-424.60	-8,977.71	9,670.84	9,511.94	158.90	60.862		
4,200.00	4,113.80	4,145.80	4,145.80	21.13	143.02	152.97	-424.60	-8,977.71	9,690.66	9,527.88	162.78	59.534		
4,300.00	4,211.32	4,243.32	4,243.32	21.65	146.43	153.03	-424.60	-8,977.71	9,710.48	9,543.83	166.65	58.267		
4,400.00	4,308.84	4,340.84	4,340.84	22.17	149.83	153.08	-424.60	-8,977.71	9,730.31	9,559.78	170.53	57.058		
4,500.00	4,406.36	4,438.36	4,438.36	22.69	153.23	153.14	-424.60	-8,977.71	9,750.16	9,575.75	174.41	55.903		
4,600.00	4,503.88	4,535.88	4,535.88	23.21	156.64	153.20	-424.60	-8,977.71	9,770.01	9,591.72	178.29	54.798		
4,700.00	4,601.40	4,633.40	4,633.40	23.73	160.04	153.26	-424.60	-8,977.71	9,789.88	9,607.70	182.17	53.740		
4,800.00	4,698.92	4,730.92	4,730.92	24.26	163.44	153.32	-424.60	-8,977.71	9,809.75	9,623.70	186.05	52.726		
4,900.00	4,796.43	4,828.43	4,828.43	24.78	166.85	153.37	-424.60	-8,977.71	9,829.64	9,639.70	189.93	51.753		
5,000.00	4,893.95	4,925.95	4,925.95	25.30	170.25	153.43	-424.60	-8,977.71	9,849.53	9,655.71	193.81	50.820		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,023.47	5,023.47	25.82	173.66	153.49	-424.60	-8,977.71	9,869.43	9,671.74	197.69	49.923		
5,200.00	5,088.99	5,120.99	5,120.99	26.34	177.06	153.55	-424.60	-8,977.71	9,889.34	9,687.77	201.58	49.060		
5,300.00	5,186.51	5,218.51	5,218.51	26.87	180.46	153.60	-424.60	-8,977.71	9,909.26	9,703.81	205.46	48.231		
5,400.00	5,284.03	5,316.03	5,316.03	27.39	183.87	153.66	-424.60	-8,977.71	9,929.20	9,719.86	209.34	47.432		
5,500.00	5,381.55	5,413.55	5,413.55	27.91	187.27	153.72	-424.60	-8,977.71	9,949.14	9,735.92	213.22	46.662		
5,600.00	5,479.07	5,511.07	5,511.07	28.43	190.67	153.77	-424.60	-8,977.71	9,969.09	9,751.99	217.10	45.919		
5,700.00	5,576.58	5,608.58	5,608.58	28.96	194.08	153.83	-424.60	-8,977.71	9,989.04	9,768.06	220.98	45.203		
7,300.00	7,084.39	7,116.40	7,116.40	36.57	246.71	8.95	-424.60	-8,977.71	9,965.25	9,685.70	279.55	35.648		
7,350.00	7,115.27	7,147.27	7,147.27	36.89	247.79	8.71	-424.60	-8,977.71	9,926.12	9,645.49	280.63	35.371		
7,400.00	7,142.99	7,174.99	7,174.99	37.25	248.76	8.61	-424.60	-8,977.71	9,884.66	9,603.08	281.59	35.103		
7,450.00	7,167.38	7,200.62	7,199.38	37.65	249.65	8.66	-424.60	-8,977.71	9,841.15	9,558.68	282.47	34.840		
7,500.00	7,188.30	7,220.30	7,220.30	38.08	250.34	8.91	-424.60	-8,977.71	9,795.84	9,512.70	283.14	34.597		
7,550.00	7,205.61	7,237.61	7,237.61	38.55	250.94	9.45	-424.60	-8,977.71	9,749.02	9,465.30	283.73	34.361		
7,600.00	7,219.20	7,251.20	7,251.20	39.06	251.42	10.49	-424.60	-8,977.71	9,700.97	9,416.79	284.18	34.137		
7,650.00	7,229.00	7,261.00	7,261.00	39.61	251.76	12.70	-424.60	-8,977.71	9,652.00	9,367.49	284.51	33.925		
7,700.00	7,234.95	7,266.95	7,266.95	40.18	251.97	19.19	-424.60	-8,977.71	9,602.39	9,317.69	284.70	33.728		
7,750.07	7,237.00	7,269.00	7,269.00	40.78	252.04	84.74	-424.60	-8,977.71	9,552.39	9,267.62	284.77	33.544		
7,800.00	7,237.09	7,269.09	7,269.09	41.41	252.04	84.77	-424.60	-8,977.71	9,502.47	9,217.70	284.77	33.369		
7,900.00	7,237.28	7,269.28	7,269.28	42.79	252.05	84.82	-424.60	-8,977.71	9,402.49	9,117.71	284.78	33.017		
8,000.00	7,237.47	7,269.47	7,269.47	44.31	252.05	84.88	-424.60	-8,977.71	9,302.51	9,017.73	284.78	32.665		
8,100.00	7,237.65	7,269.65	7,269.65	45.97	252.06	84.93	-424.60	-8,977.71	9,202.53	8,917.74	284.79	32.314		
8,200.00	7,237.84	7,269.84	7,269.84	47.75	252.07	84.99	-424.60	-8,977.71	9,102.55	8,817.76	284.80	31.962		
8,300.00	7,238.02	7,270.02	7,270.02	49.63	252.07	85.04	-424.60	-8,977.71	9,002.58	8,717.77	284.80	31.610		
8,400.00	7,238.21	7,270.21	7,270.21	51.61	252.08	85.10	-424.60	-8,977.71	8,902.60	8,617.79	284.82	31.257		
8,500.00	7,238.40	7,270.40	7,270.40	53.66	252.09	85.15	-424.60	-8,977.71	8,802.63	8,517.80	284.83	30.905		
8,600.00	7,238.58	7,270.58	7,270.58	55.79	252.09	85.21	-424.60	-8,977.71	8,702.65	8,417.81	284.84	30.553		
8,700.00	7,238.77	7,270.77	7,270.77	57.99	252.10	85.26	-424.60	-8,977.71	8,602.68	8,317.82	284.85	30.200		
8,800.00	7,238.96	7,270.96	7,270.96	60.24	252.11	85.32	-424.60	-8,977.71	8,502.70	8,217.83	284.87	29.848		
8,900.00	7,239.14	7,271.14	7,271.14	62.54	252.11	85.37	-424.60	-8,977.71	8,402.73	8,117.84	284.89	29.495		
9,000.00	7,239.33	7,271.33	7,271.33	64.88	252.12	85.43	-424.60	-8,977.71	8,302.75	8,017.85	284.90	29.142		
9,100.00	7,239.52	7,271.52	7,271.52	67.27	252.12	85.48	-424.60	-8,977.71	8,202.78	7,917.86	284.92	28.789		
9,200.00	7,239.70	7,271.70	7,271.70	69.69	252.13	85.54	-424.60	-8,977.71	8,102.81	7,817.87	284.94	28.436		
9,300.00	7,239.89	7,271.89	7,271.89	72.15	252.14	85.59	-424.60	-8,977.71	8,002.84	7,717.87	284.97	28.083		
9,400.00	7,240.07	7,272.07	7,272.07	74.63	252.14	85.65	-424.60	-8,977.71	7,902.87	7,617.88	284.99	27.730		
9,500.00	7,240.26	7,272.26	7,272.26	77.14	252.15	85.70	-424.60	-8,977.71	7,802.90	7,517.88	285.01	27.377		
9,600.00	7,240.45	7,272.45	7,272.45	79.68	252.16	85.76	-424.60	-8,977.71	7,702.93	7,417.89	285.04	27.024		
9,700.00	7,240.63	7,272.63	7,272.63	82.23	252.16	85.81	-424.60	-8,977.71	7,602.96	7,317.89	285.07	26.671		
9,800.00	7,240.82	7,272.82	7,272.82	84.81	252.17	85.87	-424.60	-8,977.71	7,503.00	7,217.90	285.10	26.317		
9,900.00	7,241.01	7,273.01	7,273.01	87.40	252.18	85.92	-424.60	-8,977.71	7,403.03	7,117.90	285.13	25.964		
10,000.00	7,241.19	7,273.19	7,273.19	90.01	252.18	85.98	-424.60	-8,977.71	7,303.06	7,017.90	285.16	25.610		
10,100.00	7,241.38	7,273.38	7,273.38	92.64	252.19	86.03	-424.60	-8,977.71	7,203.10	6,917.91	285.19	25.257		
10,200.00	7,241.56	7,273.56	7,273.56	95.28	252.20	86.08	-424.60	-8,977.71	7,103.14	6,817.91	285.23	24.903		
10,300.00	7,241.75	7,273.75	7,273.75	97.93	252.20	86.14	-424.60	-8,977.71	7,003.17	6,717.91	285.27	24.550		
10,400.00	7,241.94	7,273.94	7,273.94	100.59	252.21	86.19	-424.60	-8,977.71	6,903.21	6,617.91	285.30	24.196		
10,500.00	7,242.12	7,274.12	7,274.12	103.26	252.22	86.25	-424.60	-8,977.71	6,803.25	6,517.91	285.34	23.842		
10,600.00	7,242.31	7,274.31	7,274.31	105.95	252.22	86.30	-424.60	-8,977.71	6,703.29	6,417.91	285.39	23.488		
10,700.00	7,242.50	7,274.50	7,274.50	108.64	252.23	86.36	-424.60	-8,977.71	6,603.34	6,317.91	285.43	23.135		
10,800.00	7,242.68	7,274.68	7,274.68	111.34	252.24	86.41	-424.60	-8,977.71	6,503.38	6,217.91	285.47	22.781		
10,900.00	7,242.87	7,274.87	7,274.87	114.05	252.24	86.47	-424.60	-8,977.71	6,403.43	6,117.90	285.52	22.427		
11,000.00	7,243.05	7,275.05	7,275.05	116.76	252.25	86.52	-424.60	-8,977.71	6,303.47	6,017.90	285.57	22.073		
11,100.00	7,243.24	7,275.24	7,275.24	119.49	252.25	86.58	-424.60	-8,977.71	6,203.52	5,917.90	285.62	21.719		
11,200.00	7,243.43	7,275.43	7,275.43	122.22	252.26	86.63	-424.60	-8,977.71	6,103.57	5,817.89	285.67	21.365		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,300.00	7,243.61	7,275.61	7,275.61	124.95	252.27	86.69	-424.60	-8,977.71	6,003.62	5,717.89	285.73	21.012		
11,400.00	7,243.80	7,275.80	7,275.80	127.69	252.27	86.75	-424.60	-8,977.71	5,903.67	5,617.89	285.79	20.658		
11,500.00	7,243.99	7,275.99	7,275.99	130.44	252.28	86.80	-424.60	-8,977.71	5,803.73	5,517.88	285.85	20.304		
11,600.00	7,244.17	7,276.17	7,276.17	133.19	252.29	86.86	-424.60	-8,977.71	5,703.78	5,417.88	285.91	19.950		
11,700.00	7,244.36	7,276.36	7,276.36	135.94	252.29	86.91	-424.60	-8,977.71	5,603.84	5,317.87	285.97	19.596		
11,800.00	7,244.55	7,276.55	7,276.55	138.70	252.30	86.97	-424.60	-8,977.71	5,503.90	5,217.86	286.04	19.242		
11,900.00	7,244.73	7,276.73	7,276.73	141.47	252.31	87.02	-424.60	-8,977.71	5,403.97	5,117.86	286.11	18.888		
12,000.00	7,244.92	7,276.92	7,276.92	144.24	252.31	87.08	-424.60	-8,977.71	5,304.03	5,017.85	286.18	18.534		
12,100.00	7,245.10	7,277.10	7,277.10	147.01	252.32	87.13	-424.60	-8,977.71	5,204.10	4,917.84	286.26	18.180		
12,200.00	7,245.29	7,277.29	7,277.29	149.78	252.33	87.19	-424.60	-8,977.71	5,104.17	4,817.83	286.34	17.826		
12,300.00	7,245.48	7,277.48	7,277.48	152.56	252.33	87.24	-424.60	-8,977.71	5,004.24	4,717.83	286.42	17.472		
12,400.00	7,245.66	7,277.66	7,277.66	155.34	252.34	87.30	-424.60	-8,977.71	4,904.32	4,617.82	286.50	17.118		
12,500.00	7,245.85	7,277.85	7,277.85	158.12	252.35	87.35	-424.60	-8,977.71	4,804.40	4,517.81	286.59	16.764		
12,600.00	7,246.04	7,278.04	7,278.04	160.91	252.35	87.41	-424.60	-8,977.71	4,704.48	4,417.80	286.69	16.410		
12,700.00	7,246.22	7,278.22	7,278.22	163.70	252.36	87.46	-424.60	-8,977.71	4,604.57	4,317.79	286.78	16.056		
12,800.00	7,246.41	7,278.41	7,278.41	166.49	252.37	87.52	-424.60	-8,977.71	4,504.66	4,217.77	286.89	15.702		
12,900.00	7,246.59	7,278.59	7,278.59	169.28	252.37	87.57	-424.60	-8,977.71	4,404.75	4,117.76	286.99	15.348		
13,000.00	7,246.78	7,278.78	7,278.78	172.08	252.38	87.63	-424.60	-8,977.71	4,304.85	4,017.75	287.11	14.994		
13,100.00	7,246.97	7,278.97	7,278.97	174.88	252.39	87.68	-424.60	-8,977.71	4,204.96	3,917.73	287.23	14.640		
13,200.00	7,247.15	7,279.15	7,279.15	177.68	252.39	87.74	-424.60	-8,977.71	4,105.06	3,817.71	287.35	14.286		
13,300.00	7,247.34	7,279.34	7,279.34	180.48	252.40	87.79	-424.60	-8,977.71	4,005.18	3,717.69	287.48	13.932		
13,400.00	7,247.53	7,279.53	7,279.53	183.28	252.40	87.85	-424.60	-8,977.71	3,905.30	3,617.67	287.62	13.578		
13,500.00	7,247.71	7,279.71	7,279.71	186.09	252.41	87.90	-424.60	-8,977.71	3,805.42	3,517.65	287.77	13.224		
13,600.00	7,247.90	7,279.90	7,279.90	188.90	252.42	87.96	-424.60	-8,977.71	3,705.56	3,417.63	287.93	12.870		
13,700.00	7,248.08	7,280.08	7,280.08	191.70	252.42	88.01	-424.60	-8,977.71	3,605.70	3,317.60	288.10	12.515		
13,800.00	7,248.27	7,280.27	7,280.27	194.52	252.43	88.07	-424.60	-8,977.71	3,505.84	3,217.56	288.28	12.161		
13,900.00	7,248.46	7,280.46	7,280.46	197.33	252.44	88.12	-424.60	-8,977.71	3,406.00	3,117.53	288.47	11.807		
14,000.00	7,248.64	7,280.64	7,280.64	200.14	252.44	88.18	-424.60	-8,977.71	3,306.17	3,017.49	288.68	11.453		
14,100.00	7,248.83	7,280.83	7,280.83	202.95	252.45	88.23	-424.60	-8,977.71	3,206.34	2,917.44	288.90	11.098		
14,200.00	7,249.02	7,281.02	7,281.02	205.77	252.46	88.29	-424.60	-8,977.71	3,106.53	2,817.39	289.14	10.744		
14,300.00	7,249.20	7,281.20	7,281.20	208.59	252.46	88.34	-424.60	-8,977.71	3,006.73	2,717.33	289.40	10.389		
14,400.00	7,249.39	7,281.39	7,281.39	211.41	252.47	88.40	-424.60	-8,977.71	2,906.95	2,617.26	289.69	10.035		
14,500.00	7,249.58	7,281.58	7,281.58	214.23	252.48	88.45	-424.60	-8,977.71	2,807.18	2,517.18	290.00	9.680		
14,600.00	7,249.76	7,281.76	7,281.76	217.05	252.48	88.51	-424.60	-8,977.71	2,707.42	2,417.08	290.34	9.325		
14,700.00	7,249.95	7,281.95	7,281.95	219.87	252.49	88.56	-424.60	-8,977.71	2,607.69	2,316.97	290.71	8.970		
14,800.00	7,250.13	7,282.13	7,282.13	222.69	252.50	88.62	-424.60	-8,977.71	2,507.97	2,216.85	291.13	8.615		
14,900.00	7,250.32	7,282.32	7,282.32	225.51	252.50	88.67	-424.60	-8,977.71	2,408.28	2,116.70	291.59	8.259		
15,000.00	7,250.51	7,282.51	7,282.51	228.34	252.51	88.73	-424.60	-8,977.71	2,308.62	2,016.52	292.10	7.904		
15,100.00	7,250.69	7,282.69	7,282.69	231.16	252.52	88.78	-424.60	-8,977.71	2,208.99	1,916.31	292.68	7.548		
15,200.00	7,250.88	7,282.88	7,282.88	233.99	252.52	88.84	-424.60	-8,977.71	2,109.39	1,816.06	293.32	7.191		
15,300.00	7,251.07	7,283.07	7,283.07	236.82	252.53	88.90	-424.60	-8,977.71	2,009.83	1,715.77	294.06	6.835		
15,400.00	7,251.25	7,283.25	7,283.25	239.65	252.53	88.95	-424.60	-8,977.71	1,910.32	1,615.42	294.90	6.478		
15,500.00	7,251.44	7,283.44	7,283.44	242.47	252.54	89.01	-424.60	-8,977.71	1,810.86	1,515.00	295.86	6.121		
15,600.00	7,251.62	7,283.62	7,283.62	245.30	252.55	89.06	-424.60	-8,977.71	1,711.46	1,414.49	296.98	5.763		
15,700.00	7,251.81	7,283.81	7,283.81	248.13	252.55	89.12	-424.60	-8,977.71	1,612.14	1,313.87	298.27	5.405		
15,800.00	7,252.00	7,284.00	7,284.00	250.97	252.56	89.17	-424.60	-8,977.71	1,512.91	1,213.12	299.79	5.047		
15,900.00	7,252.18	7,284.18	7,284.18	253.80	252.57	89.23	-424.60	-8,977.71	1,413.79	1,112.20	301.59	4.688		
16,000.00	7,252.37	7,284.37	7,284.37	256.63	252.57	89.28	-424.60	-8,977.71	1,314.80	1,011.07	303.73	4.329		
16,100.00	7,252.56	7,284.56	7,284.56	259.46	252.58	89.34	-424.60	-8,977.71	1,215.98	909.66	306.31	3.970		
16,200.00	7,252.74	7,284.74	7,284.74	262.30	252.59	89.39	-424.60	-8,977.71	1,117.36	807.90	309.46	3.611		
16,300.00	7,252.93	7,284.93	7,284.93	265.13	252.59	89.45	-424.60	-8,977.71	1,019.02	705.66	313.35	3.252		
16,400.00	7,253.11	7,285.11	7,285.11	267.96	252.60	89.50	-424.60	-8,977.71	921.03	602.80	318.22	2.894		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,500.00	7,253.30	7,285.30	7,285.30	270.80	252.61	89.56	-424.60	-8,977.71	823.52	499.09	324.43	2.538		
16,600.00	7,253.49	7,285.49	7,285.49	273.64	252.61	89.61	-424.60	-8,977.71	726.69	394.20	332.49	2.186		
16,700.00	7,253.67	7,285.67	7,285.67	276.47	252.62	89.67	-424.60	-8,977.71	630.86	287.64	343.21	1.838		
16,800.00	7,253.86	7,285.86	7,285.86	279.31	252.63	89.72	-424.60	-8,977.71	536.54	178.65	357.89	1.499 Level 3		
16,900.00	7,254.05	7,286.05	7,286.05	282.15	252.63	89.78	-424.60	-8,977.71	444.72	66.08	378.64	1.175 Level 2		
17,000.00	7,254.23	7,286.23	7,286.23	284.98	252.64	89.83	-424.60	-8,977.71	357.31	-51.60	408.91	0.874 Level 1		
17,100.00	7,254.42	7,286.42	7,286.42	287.82	252.65	89.89	-424.60	-8,977.71	278.51	-174.79	453.30	0.614 Level 1		
17,200.00	7,254.61	7,286.61	7,286.61	290.66	252.65	89.94	-424.60	-8,977.71	217.86	-292.67	510.53	0.427 Level 1		
17,300.00	7,254.79	7,286.79	7,286.79	293.50	252.66	90.00	-424.60	-8,977.71	193.29	-352.86	546.15	0.354 Level 1		
17,300.52	7,254.79	7,286.79	7,286.79	293.51	252.66	90.00	-424.60	-8,977.71	193.29	-352.88	546.17	0.354 Level 1, CC, ES, SF		
17,400.00	7,254.98	7,286.98	7,286.98	296.34	252.66	90.05	-424.60	-8,977.71	217.39	-299.88	517.27	0.420 Level 1		
17,500.00	7,255.16	7,287.16	7,287.16	299.18	252.67	90.11	-424.60	-8,977.71	277.76	-185.71	463.47	0.599 Level 1		
17,600.00	7,255.35	7,287.35	7,287.35	302.02	252.68	90.17	-424.60	-8,977.71	356.44	-64.06	420.49	0.848 Level 1		
17,700.00	7,255.54	7,287.54	7,287.54	304.86	252.68	90.22	-424.60	-8,977.71	443.78	52.97	390.81	1.136 Level 2		
17,800.00	7,255.72	7,287.72	7,287.72	307.70	252.69	90.28	-424.60	-8,977.71	535.58	165.27	370.30	1.446 Level 3		
17,900.00	7,255.91	7,287.91	7,287.91	310.54	252.70	90.33	-424.60	-8,977.71	629.87	274.17	355.70	1.771		
18,000.00	7,256.10	7,288.10	7,288.10	313.39	252.70	90.39	-424.60	-8,977.71	725.69	380.74	344.96	2.104		
18,100.00	7,256.28	7,288.28	7,288.28	316.23	252.71	90.44	-424.60	-8,977.71	822.51	485.69	336.82	2.442		
18,200.00	7,256.47	7,288.47	7,288.47	319.07	252.72	90.50	-424.60	-8,977.71	920.01	589.49	330.52	2.784		
18,300.00	7,256.65	7,288.65	7,288.65	321.91	252.72	90.55	-424.60	-8,977.71	1,018.00	692.46	325.53	3.127		
18,400.00	7,256.84	7,288.84	7,288.84	324.76	252.73	90.61	-424.60	-8,977.71	1,116.34	794.82	321.52	3.472		
18,500.00	7,257.03	7,289.03	7,289.03	327.60	252.74	90.66	-424.60	-8,977.71	1,214.95	896.71	318.25	3.818		
18,600.00	7,257.21	7,289.21	7,289.21	330.44	252.74	90.72	-424.60	-8,977.71	1,313.78	998.23	315.54	4.164		
18,700.00	7,257.40	7,289.40	7,289.40	333.29	252.75	90.77	-424.60	-8,977.71	1,412.76	1,099.48	313.29	4.510		
18,800.00	7,257.59	7,289.59	7,289.59	336.13	252.76	90.83	-424.60	-8,977.71	1,511.89	1,200.50	311.38	4.855		
18,900.00	7,257.77	7,289.77	7,289.77	338.98	252.76	90.88	-424.60	-8,977.71	1,611.12	1,301.35	309.77	5.201		
19,000.00	7,257.96	7,289.96	7,289.96	341.82	252.77	90.94	-424.60	-8,977.71	1,710.44	1,402.04	308.39	5.546		
19,022.43	7,258.00	7,310.00	7,290.00	342.46	253.47	90.95	-424.60	-8,977.71	1,732.72	1,423.91	308.81	5.611		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	13.00	13.00	3.28	3.29	-97.11	-1,210.51	-9,701.92	9,777.15					
100.00	100.00	113.00	113.00	3.28	3.95	-97.11	-1,210.51	-9,701.92	9,777.15	9,769.91	7.23	1,351.591		
200.00	200.00	213.00	213.00	3.34	6.57	-97.11	-1,210.51	-9,701.92	9,777.15	9,767.24	9.91	987.091		
300.00	300.00	313.00	313.00	3.44	9.75	-97.11	-1,210.51	-9,701.92	9,777.15	9,763.95	13.19	740.999		
400.00	399.98	412.98	412.98	3.60	13.09	146.88	-1,210.51	-9,701.92	9,778.61	9,761.92	16.69	585.993		
500.00	499.84	512.84	512.84	3.79	16.49	146.85	-1,210.51	-9,701.92	9,782.99	9,762.71	20.28	482.390		
600.00	599.45	612.45	612.45	4.03	19.91	146.79	-1,210.51	-9,701.92	9,790.29	9,766.36	23.94	409.001		
700.00	698.70	711.70	711.70	4.30	23.33	146.72	-1,210.51	-9,701.92	9,800.51	9,772.87	27.63	354.644		
800.00	797.47	810.47	810.47	4.61	26.75	146.63	-1,210.51	-9,701.92	9,813.63	9,782.27	31.36	312.952		
900.00	895.62	908.62	908.62	4.96	30.15	146.51	-1,210.51	-9,701.92	9,829.64	9,794.54	35.10	280.077		
939.50	934.20	947.20	947.20	5.10	31.49	146.45	-1,210.51	-9,701.92	9,836.76	9,800.18	36.58	268.932		
1,000.00	993.20	1,006.20	1,006.20	5.33	33.54	146.50	-1,210.51	-9,701.92	9,848.01	9,809.17	38.84	253.532		
1,100.00	1,090.72	1,103.72	1,103.72	5.73	36.93	146.57	-1,210.51	-9,701.92	9,866.62	9,824.01	42.61	231.582		
1,200.00	1,188.24	1,201.24	1,201.24	6.15	40.32	146.64	-1,210.51	-9,701.92	9,885.24	9,838.85	46.39	213.105		
1,300.00	1,285.76	1,301.24	1,298.76	6.59	43.80	146.71	-1,210.51	-9,701.92	9,903.87	9,853.60	50.27	197.013		
1,400.00	1,383.28	1,403.72	1,396.28	7.04	47.37	146.78	-1,210.51	-9,701.92	9,922.52	9,868.27	54.25	182.894		
1,500.00	1,480.80	1,506.21	1,493.80	7.50	50.94	146.85	-1,210.51	-9,701.92	9,941.19	9,882.94	58.25	170.675		
1,600.00	1,578.31	1,608.69	1,591.31	7.96	54.51	146.92	-1,210.51	-9,701.92	9,959.87	9,897.62	62.25	160.002		
1,700.00	1,675.83	1,688.83	1,688.83	8.44	57.31	146.98	-1,210.51	-9,701.92	9,978.56	9,913.08	65.48	152.392		
1,800.00	1,773.35	1,786.35	1,786.35	8.92	60.70	147.05	-1,210.51	-9,701.92	9,997.26	9,927.94	69.32	144.215		
8,100.00	7,237.65	7,250.65	7,250.65	45.97	251.40	-88.22	-1,210.51	-9,701.92	9,939.49	9,654.98	284.51	34.936		
8,200.00	7,237.84	7,250.84	7,250.84	47.75	251.40	-88.24	-1,210.51	-9,701.92	9,839.67	9,555.14	284.53	34.582		
8,300.00	7,238.02	7,251.02	7,251.02	49.63	251.41	-88.26	-1,210.51	-9,701.92	9,739.86	9,455.29	284.56	34.227		
8,400.00	7,238.21	7,251.21	7,251.21	51.61	251.42	-88.28	-1,210.51	-9,701.92	9,640.04	9,355.45	284.59	33.873		
8,500.00	7,238.40	7,251.40	7,251.40	53.66	251.42	-88.29	-1,210.51	-9,701.92	9,540.24	9,255.61	284.63	33.518		
8,600.00	7,238.58	7,251.58	7,251.58	55.79	251.43	-88.31	-1,210.51	-9,701.92	9,440.43	9,155.77	284.67	33.163		
8,700.00	7,238.77	7,251.77	7,251.77	57.99	251.44	-88.33	-1,210.51	-9,701.92	9,340.64	9,055.93	284.71	32.808		
8,800.00	7,238.96	7,251.96	7,251.96	60.24	251.44	-88.35	-1,210.51	-9,701.92	9,240.84	8,956.09	284.75	32.453		
8,900.00	7,239.14	7,252.14	7,252.14	62.54	251.45	-88.37	-1,210.51	-9,701.92	9,141.05	8,856.26	284.80	32.097		
9,000.00	7,239.33	7,252.33	7,252.33	64.88	251.46	-88.38	-1,210.51	-9,701.92	9,041.27	8,756.42	284.84	31.741		
9,100.00	7,239.52	7,252.52	7,252.52	67.27	251.46	-88.40	-1,210.51	-9,701.92	8,941.49	8,656.59	284.90	31.385		
9,200.00	7,239.70	7,252.70	7,252.70	69.69	251.47	-88.42	-1,210.51	-9,701.92	8,841.71	8,556.76	284.95	31.029		
9,300.00	7,239.89	7,252.89	7,252.89	72.15	251.47	-88.44	-1,210.51	-9,701.92	8,741.94	8,456.93	285.01	30.672		
9,400.00	7,240.07	7,253.07	7,253.07	74.63	251.48	-88.45	-1,210.51	-9,701.92	8,642.18	8,357.10	285.08	30.315		
9,500.00	7,240.26	7,253.26	7,253.26	77.14	251.49	-88.47	-1,210.51	-9,701.92	8,542.42	8,257.27	285.14	29.958		
9,600.00	7,240.45	7,253.45	7,253.45	79.68	251.49	-88.49	-1,210.51	-9,701.92	8,442.66	8,157.45	285.22	29.601		
9,700.00	7,240.63	7,253.63	7,253.63	82.23	251.50	-88.51	-1,210.51	-9,701.92	8,342.92	8,057.62	285.29	29.244		
9,800.00	7,240.82	7,253.82	7,253.82	84.81	251.51	-88.53	-1,210.51	-9,701.92	8,243.17	7,957.80	285.37	28.886		
9,900.00	7,241.01	7,254.01	7,254.01	87.40	251.51	-88.54	-1,210.51	-9,701.92	8,143.44	7,857.98	285.45	28.528		
10,000.00	7,241.19	7,254.19	7,254.19	90.01	251.52	-88.56	-1,210.51	-9,701.92	8,043.71	7,758.17	285.54	28.170		
10,100.00	7,241.38	7,254.38	7,254.38	92.64	251.53	-88.58	-1,210.51	-9,701.92	7,943.99	7,658.35	285.64	27.812		
10,200.00	7,241.56	7,254.56	7,254.56	95.28	251.53	-88.60	-1,210.51	-9,701.92	7,844.27	7,558.54	285.74	27.453		
10,300.00	7,241.75	7,254.75	7,254.75	97.93	251.54	-88.62	-1,210.51	-9,701.92	7,744.56	7,458.73	285.84	27.094		
10,400.00	7,241.94	7,254.94	7,254.94	100.59	251.55	-88.63	-1,210.51	-9,701.92	7,644.86	7,358.92	285.95	26.735		
10,500.00	7,242.12	7,255.12	7,255.12	103.26	251.55	-88.65	-1,210.51	-9,701.92	7,545.17	7,259.11	286.06	26.376		
10,600.00	7,242.31	7,255.31	7,255.31	105.95	251.56	-88.67	-1,210.51	-9,701.92	7,445.49	7,159.30	286.18	26.016		
10,700.00	7,242.50	7,255.50	7,255.50	108.64	251.57	-88.69	-1,210.51	-9,701.92	7,345.81	7,059.50	286.31	25.657		
10,800.00	7,242.68	7,255.68	7,255.68	111.34	251.57	-88.71	-1,210.51	-9,701.92	7,246.15	6,959.70	286.45	25.297		
10,900.00	7,242.87	7,255.87	7,255.87	114.05	251.58	-88.72	-1,210.51	-9,701.92	7,146.49	6,859.90	286.59	24.937		
11,000.00	7,243.05	7,256.05	7,256.05	116.76	251.59	-88.74	-1,210.51	-9,701.92	7,046.84	6,760.11	286.74	24.576		
11,100.00	7,243.24	7,256.24	7,256.24	119.49	251.59	-88.76	-1,210.51	-9,701.92	6,947.21	6,660.32	286.89	24.216		
11,200.00	7,243.43	7,256.43	7,256.43	122.22	251.60	-88.78	-1,210.51	-9,701.92	6,847.58	6,560.53	287.05	23.855		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,300.00	7,243.61	7,256.61	7,256.61	124.95	251.60	-88.80	-1,210.51	-9,701.92	6,747.96	6,460.74	287.23	23.493		
11,400.00	7,243.80	7,256.80	7,256.80	127.69	251.61	-88.81	-1,210.51	-9,701.92	6,648.36	6,360.95	287.41	23.132		
11,500.00	7,243.99	7,256.99	7,256.99	130.44	251.62	-88.83	-1,210.51	-9,701.92	6,548.77	6,261.17	287.60	22.771		
11,600.00	7,244.17	7,257.17	7,257.17	133.19	251.62	-88.85	-1,210.51	-9,701.92	6,449.19	6,161.39	287.80	22.409		
11,700.00	7,244.36	7,257.36	7,257.36	135.94	251.63	-88.87	-1,210.51	-9,701.92	6,349.62	6,061.61	288.01	22.047		
11,800.00	7,244.55	7,257.55	7,257.55	138.70	251.64	-88.88	-1,210.51	-9,701.92	6,250.07	5,961.84	288.23	21.684		
11,900.00	7,244.73	7,257.73	7,257.73	141.47	251.64	-88.90	-1,210.51	-9,701.92	6,150.53	5,862.07	288.46	21.322		
12,000.00	7,244.92	7,257.92	7,257.92	144.24	251.65	-88.92	-1,210.51	-9,701.92	6,051.01	5,762.30	288.71	20.959		
12,100.00	7,245.10	7,258.10	7,258.10	147.01	251.66	-88.94	-1,210.51	-9,701.92	5,951.51	5,662.54	288.97	20.596		
12,200.00	7,245.29	7,258.29	7,258.29	149.78	251.66	-88.96	-1,210.51	-9,701.92	5,852.02	5,562.77	289.24	20.232		
12,300.00	7,245.48	7,258.48	7,258.48	152.56	251.67	-88.97	-1,210.51	-9,701.92	5,752.54	5,463.01	289.53	19.869		
12,400.00	7,245.66	7,258.66	7,258.66	155.34	251.68	-88.99	-1,210.51	-9,701.92	5,653.09	5,363.26	289.83	19.505		
12,500.00	7,245.85	7,258.85	7,258.85	158.12	251.68	-89.01	-1,210.51	-9,701.92	5,553.66	5,263.51	290.15	19.141		
12,600.00	7,246.04	7,259.04	7,259.04	160.91	251.69	-89.03	-1,210.51	-9,701.92	5,454.24	5,163.76	290.49	18.776		
12,700.00	7,246.22	7,259.22	7,259.22	163.70	251.70	-89.05	-1,210.51	-9,701.92	5,354.85	5,064.01	290.84	18.411		
12,800.00	7,246.41	7,259.41	7,259.41	166.49	251.70	-89.06	-1,210.51	-9,701.92	5,255.49	4,964.27	291.22	18.046		
12,900.00	7,246.59	7,259.59	7,259.59	169.28	251.71	-89.08	-1,210.51	-9,701.92	5,156.14	4,864.53	291.62	17.681		
13,000.00	7,246.78	7,259.78	7,259.78	172.08	251.72	-89.10	-1,210.51	-9,701.92	5,056.82	4,764.79	292.04	17.316		
13,100.00	7,246.97	7,259.97	7,259.97	174.88	251.72	-89.12	-1,210.51	-9,701.92	4,957.53	4,665.05	292.48	16.950		
13,200.00	7,247.15	7,260.15	7,260.15	177.68	251.73	-89.14	-1,210.51	-9,701.92	4,858.27	4,565.32	292.95	16.584		
13,300.00	7,247.34	7,260.34	7,260.34	180.48	251.73	-89.15	-1,210.51	-9,701.92	4,759.04	4,465.60	293.45	16.218		
13,400.00	7,247.53	7,260.53	7,260.53	183.28	251.74	-89.17	-1,210.51	-9,701.92	4,659.85	4,365.87	293.97	15.851		
13,500.00	7,247.71	7,260.71	7,260.71	186.09	251.75	-89.19	-1,210.51	-9,701.92	4,560.68	4,266.15	294.53	15.484		
13,600.00	7,247.90	7,260.90	7,260.90	188.90	251.75	-89.21	-1,210.51	-9,701.92	4,461.56	4,166.43	295.13	15.117		
13,700.00	7,248.08	7,261.08	7,261.08	191.70	251.76	-89.23	-1,210.51	-9,701.92	4,362.47	4,066.71	295.76	14.750		
13,800.00	7,248.27	7,261.27	7,261.27	194.52	251.77	-89.24	-1,210.51	-9,701.92	4,263.43	3,967.00	296.43	14.383		
13,900.00	7,248.46	7,261.46	7,261.46	197.33	251.77	-89.26	-1,210.51	-9,701.92	4,164.44	3,867.29	297.14	14.015		
14,000.00	7,248.64	7,261.64	7,261.64	200.14	251.78	-89.28	-1,210.51	-9,701.92	4,065.49	3,767.58	297.90	13.647		
14,100.00	7,248.83	7,261.83	7,261.83	202.95	251.79	-89.30	-1,210.51	-9,701.92	3,966.59	3,667.88	298.71	13.279		
14,200.00	7,249.02	7,262.02	7,262.02	205.77	251.79	-89.31	-1,210.51	-9,701.92	3,867.76	3,568.18	299.58	12.911		
14,300.00	7,249.20	7,262.20	7,262.20	208.59	251.80	-89.33	-1,210.51	-9,701.92	3,768.98	3,468.48	300.50	12.542		
14,400.00	7,249.39	7,262.39	7,262.39	211.41	251.81	-89.35	-1,210.51	-9,701.92	3,670.27	3,368.78	301.49	12.174		
14,500.00	7,249.58	7,262.58	7,262.58	214.23	251.81	-89.37	-1,210.51	-9,701.92	3,571.63	3,269.09	302.54	11.805		
14,600.00	7,249.76	7,262.76	7,262.76	217.05	251.82	-89.39	-1,210.51	-9,701.92	3,473.07	3,169.40	303.68	11.437		
14,700.00	7,249.95	7,262.95	7,262.95	219.87	251.83	-89.40	-1,210.51	-9,701.92	3,374.60	3,069.71	304.89	11.068		
14,800.00	7,250.13	7,263.13	7,263.13	222.69	251.83	-89.42	-1,210.51	-9,701.92	3,276.21	2,970.02	306.19	10.700		
14,900.00	7,250.32	7,263.32	7,263.32	225.51	251.84	-89.44	-1,210.51	-9,701.92	3,177.93	2,870.33	307.60	10.331		
15,000.00	7,250.51	7,263.51	7,263.51	228.34	251.85	-89.46	-1,210.51	-9,701.92	3,079.76	2,770.65	309.11	9.963		
15,100.00	7,250.69	7,263.69	7,263.69	231.16	251.85	-89.48	-1,210.51	-9,701.92	2,981.71	2,670.97	310.74	9.596		
15,200.00	7,250.88	7,263.88	7,263.88	233.99	251.86	-89.49	-1,210.51	-9,701.92	2,883.79	2,571.29	312.50	9.228		
15,300.00	7,251.07	7,264.07	7,264.07	236.82	251.86	-89.51	-1,210.51	-9,701.92	2,786.02	2,471.62	314.41	8.861		
15,400.00	7,251.25	7,264.25	7,264.25	239.65	251.87	-89.53	-1,210.51	-9,701.92	2,688.42	2,371.95	316.47	8.495		
15,500.00	7,251.44	7,264.44	7,264.44	242.47	251.88	-89.55	-1,210.51	-9,701.92	2,591.00	2,272.28	318.72	8.129		
15,600.00	7,251.62	7,264.62	7,264.62	245.30	251.88	-89.57	-1,210.51	-9,701.92	2,493.78	2,172.62	321.16	7.765		
15,700.00	7,251.81	7,264.81	7,264.81	248.13	251.89	-89.58	-1,210.51	-9,701.92	2,396.79	2,072.96	323.83	7.401		
15,800.00	7,252.00	7,265.00	7,265.00	250.97	251.90	-89.60	-1,210.51	-9,701.92	2,300.06	1,973.32	326.74	7.039		
15,900.00	7,252.18	7,265.18	7,265.18	253.80	251.90	-89.62	-1,210.51	-9,701.92	2,203.62	1,873.69	329.93	6.679		
16,000.00	7,252.37	7,265.37	7,265.37	256.63	251.91	-89.64	-1,210.51	-9,701.92	2,107.51	1,774.07	333.45	6.320		
16,100.00	7,252.56	7,265.56	7,265.56	259.46	251.92	-89.66	-1,210.51	-9,701.92	2,011.79	1,674.47	337.31	5.964		
16,200.00	7,252.74	7,265.74	7,265.74	262.30	251.92	-89.67	-1,210.51	-9,701.92	1,916.50	1,574.91	341.59	5.611		
16,300.00	7,252.93	7,265.93	7,265.93	265.13	251.93	-89.69	-1,210.51	-9,701.92	1,821.71	1,475.38	346.33	5.260		
16,400.00	7,253.11	7,266.11	7,266.11	267.96	251.94	-89.71	-1,210.51	-9,701.92	1,727.51	1,375.91	351.60	4.913		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,500.00	7,253.30	7,266.30	7,266.30	270.80	251.94	-89.73	-1,210.51	-9,701.92	1,634.00	1,276.52	357.48	4.571		
16,600.00	7,253.49	7,266.49	7,266.49	273.64	251.95	-89.75	-1,210.51	-9,701.92	1,541.31	1,177.24	364.08	4.233		
16,700.00	7,253.67	7,266.67	7,266.67	276.47	251.96	-89.76	-1,210.51	-9,701.92	1,449.59	1,078.10	371.49	3.902		
16,800.00	7,253.86	7,266.86	7,266.86	279.31	251.96	-89.78	-1,210.51	-9,701.92	1,359.04	979.19	379.85	3.578		
16,900.00	7,254.05	7,267.05	7,267.05	282.15	251.97	-89.80	-1,210.51	-9,701.92	1,269.90	880.58	389.32	3.262		
17,000.00	7,254.23	7,267.23	7,267.23	284.98	251.98	-89.82	-1,210.51	-9,701.92	1,182.51	782.44	400.07	2.956		
17,100.00	7,254.42	7,267.42	7,267.42	287.82	251.98	-89.83	-1,210.51	-9,701.92	1,097.27	684.98	412.29	2.661		
17,200.00	7,254.61	7,267.61	7,267.61	290.66	251.99	-89.85	-1,210.51	-9,701.92	1,014.72	588.53	426.19	2.381		
17,300.00	7,254.79	7,267.79	7,267.79	293.50	251.99	-89.87	-1,210.51	-9,701.92	935.59	493.65	441.94	2.117		
17,400.00	7,254.98	7,267.98	7,267.98	296.34	252.00	-89.89	-1,210.51	-9,701.92	860.81	401.17	459.64	1.873		
17,500.00	7,255.16	7,268.16	7,268.16	299.18	252.01	-89.91	-1,210.51	-9,701.92	791.62	312.42	479.20	1.652		
17,600.00	7,255.35	7,268.35	7,268.35	302.02	252.01	-89.92	-1,210.51	-9,701.92	729.62	229.46	500.15	1.459 Level 3		
17,700.00	7,255.54	7,268.54	7,268.54	304.86	252.02	-89.94	-1,210.51	-9,701.92	676.76	155.34	521.42	1.298 Level 3		
17,800.00	7,255.72	7,268.72	7,268.72	307.70	252.03	-89.96	-1,210.51	-9,701.92	635.36	94.24	541.12	1.174 Level 2		
17,900.00	7,255.91	7,268.91	7,268.91	310.54	252.03	-89.98	-1,210.51	-9,701.92	607.74	51.11	556.63	1.092 Level 2		
18,000.00	7,256.10	7,269.10	7,269.10	313.39	252.04	-90.00	-1,210.51	-9,701.92	595.83	30.57	565.26	1.054 Level 2		
18,021.65	7,256.14	7,269.14	7,269.14	314.00	252.04	-90.00	-1,210.51	-9,701.92	595.44	29.40	566.04	1.052 Level 2, CC, ES, SF		
18,100.00	7,256.28	7,269.28	7,269.28	316.23	252.05	-90.01	-1,210.51	-9,701.92	600.57	35.12	565.45	1.062 Level 2		
18,200.00	7,256.47	7,269.47	7,269.47	319.07	252.05	-90.03	-1,210.51	-9,701.92	621.57	64.02	557.56	1.115 Level 2		
18,300.00	7,256.65	7,269.65	7,269.65	321.91	252.06	-90.05	-1,210.51	-9,701.92	657.29	113.66	543.63	1.209 Level 2		
18,400.00	7,256.84	7,269.84	7,269.84	324.76	252.07	-90.07	-1,210.51	-9,701.92	705.47	179.17	526.31	1.340 Level 3		
18,500.00	7,257.03	7,270.03	7,270.03	327.60	252.07	-90.09	-1,210.51	-9,701.92	763.78	255.92	507.87	1.504		
18,600.00	7,257.21	7,270.21	7,270.21	330.44	252.08	-90.10	-1,210.51	-9,701.92	830.08	340.26	489.82	1.695		
18,700.00	7,257.40	7,270.40	7,270.40	333.29	252.09	-90.12	-1,210.51	-9,701.92	902.61	429.61	472.99	1.908		
18,800.00	7,257.59	7,270.59	7,270.59	336.13	252.09	-90.14	-1,210.51	-9,701.92	979.98	522.26	457.72	2.141		
18,900.00	7,257.77	7,270.77	7,270.77	338.98	252.10	-90.16	-1,210.51	-9,701.92	1,061.15	617.08	444.07	2.390		
19,000.00	7,257.96	7,270.96	7,270.96	341.82	252.11	-90.18	-1,210.51	-9,701.92	1,145.30	713.35	431.94	2.651		
19,022.43	7,258.00	7,271.00	7,271.00	342.46	252.11	-90.18	-1,210.51	-9,701.92	1,164.51	735.09	429.42	2.712		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	23.90	23.90	3.28	3.28	-89.38	105.02	-9,701.40	9,701.97					
100.00	100.00	115.71	115.71	3.28	3.29	-89.38	105.20	-9,701.46	9,702.04	9,695.46	6.58	1,475.203		
200.00	200.00	207.03	207.02	3.34	3.35	-89.38	105.58	-9,701.59	9,702.19	9,695.50	6.69	1,451.279		
300.00	300.00	298.86	298.85	3.44	3.45	-89.37	105.98	-9,701.81	9,702.43	9,695.53	6.89	1,407.445		
400.00	399.98	418.42	418.42	3.60	3.64	154.62	106.21	-9,702.01	9,704.17	9,696.93	7.24	1,340.844		
500.00	499.84	521.83	521.83	3.79	3.85	154.59	106.12	-9,702.06	9,708.95	9,701.30	7.64	1,270.008		
600.00	599.45	617.08	617.08	4.03	4.08	154.54	106.00	-9,702.14	9,716.90	9,708.79	8.11	1,198.161		
700.00	698.70	738.70	738.70	4.30	4.41	154.48	106.08	-9,702.11	9,727.90	9,719.19	8.71	1,116.738		
800.00	797.47	851.50	851.50	4.61	4.74	154.41	106.06	-9,701.83	9,741.80	9,732.45	9.35	1,041.902		
900.00	895.62	932.06	932.06	4.96	5.00	154.30	105.84	-9,701.63	9,758.81	9,748.88	9.94	982.153		
939.50	934.20	956.55	956.55	5.10	5.08	154.24	105.76	-9,701.62	9,766.47	9,756.32	10.16	961.608		
1,000.00	993.20	1,000.00	1,000.00	5.33	5.22	154.27	105.63	-9,701.70	9,778.68	9,768.17	10.51	930.104		
1,100.00	1,090.72	1,100.00	1,103.93	5.73	5.56	154.32	105.21	-9,701.84	9,798.85	9,787.63	11.22	873.397		
1,200.00	1,188.24	1,170.02	1,170.01	6.15	5.80	154.36	104.85	-9,701.99	9,819.13	9,807.29	11.85	828.924		
1,300.00	1,285.76	1,275.71	1,275.70	6.59	6.18	154.42	104.18	-9,702.55	9,839.71	9,827.09	12.62	779.672		
1,400.00	1,383.28	1,362.48	1,362.47	7.04	6.50	154.46	103.64	-9,702.87	9,860.13	9,846.79	13.34	738.886		
1,500.00	1,480.80	1,439.30	1,439.28	7.50	6.78	154.50	103.31	-9,703.33	9,880.78	9,866.73	14.05	703.495		
1,600.00	1,578.31	1,522.58	1,522.57	7.96	7.10	154.55	102.85	-9,703.98	9,901.61	9,886.83	14.78	669.840		
1,700.00	1,675.83	1,618.65	1,618.63	8.44	7.47	154.60	102.41	-9,704.80	9,922.52	9,906.94	15.58	636.909		
1,800.00	1,773.35	1,722.73	1,722.70	8.92	7.87	154.65	102.09	-9,705.64	9,943.40	9,926.98	16.42	605.632		
1,900.00	1,870.87	1,816.59	1,816.56	9.40	8.24	154.71	101.98	-9,706.35	9,964.25	9,947.02	17.23	578.468		
2,000.00	1,968.39	1,883.71	1,883.68	9.89	8.50	154.74	102.02	-9,706.99	9,985.30	9,967.37	17.93	556.902		
8,100.00	7,237.65	7,217.13	7,216.77	45.97	30.85	84.98	129.67	-9,740.69	9,993.53	9,930.12	63.40	157.618		
8,200.00	7,237.84	7,217.75	7,217.38	47.75	30.85	85.02	129.67	-9,740.69	9,993.81	9,930.40	63.41	156.017		
8,300.00	7,238.02	7,218.36	7,218.00	49.63	30.86	85.07	129.67	-9,740.69	9,994.10	9,930.67	63.43	154.409		
8,400.00	7,238.21	7,218.98	7,218.61	51.61	30.86	85.12	129.68	-9,740.70	9,994.39	9,930.95	63.45	152.795		
8,500.00	7,238.40	7,219.60	7,219.23	53.66	30.86	85.16	129.68	-9,740.70	9,994.69	9,931.23	63.47	151.173		
8,600.00	7,238.58	7,220.21	7,219.84	55.79	30.86	85.21	129.68	-9,740.70	9,994.99	9,931.51	63.49	149.545		
8,700.00	7,238.77	7,220.83	7,220.46	57.99	30.87	85.26	129.69	-9,740.70	9,995.31	9,931.79	63.52	147.910		
8,800.00	7,238.96	7,221.44	7,221.07	60.24	30.87	85.31	129.69	-9,740.71	9,995.63	9,932.08	63.55	146.268		
8,900.00	7,239.14	7,222.06	7,221.69	62.54	30.87	85.35	129.69	-9,740.71	9,995.96	9,932.37	63.59	144.619		
9,000.00	7,239.33	7,222.67	7,222.31	64.88	30.88	85.40	129.70	-9,740.71	9,996.30	9,932.67	63.63	142.963		
9,100.00	7,239.52	7,223.29	7,222.92	67.27	30.88	85.45	129.70	-9,740.71	9,996.64	9,932.97	63.67	141.300		
9,200.00	7,239.70	7,223.91	7,223.54	69.69	30.88	85.49	129.70	-9,740.72	9,996.99	9,933.27	63.72	139.630		
9,300.00	7,239.89	7,224.52	7,224.15	72.15	30.88	85.54	129.71	-9,740.72	9,997.34	9,933.57	63.77	137.953		
9,400.00	7,240.07	7,225.14	7,224.77	74.63	30.89	85.59	129.71	-9,740.72	9,997.71	9,933.88	63.83	136.268		
9,500.00	7,240.26	7,225.75	7,225.38	77.14	30.89	85.64	129.71	-9,740.73	9,998.08	9,934.19	63.89	134.577		
9,600.00	7,240.45	7,226.37	7,226.00	79.68	30.89	85.68	129.72	-9,740.73	9,998.46	9,934.51	63.96	132.879		
9,700.00	7,240.63	7,226.98	7,226.62	82.23	30.89	85.73	129.72	-9,740.73	9,998.86	9,934.83	64.03	131.173		
9,800.00	7,240.82	7,227.60	7,227.23	84.81	30.90	85.78	129.72	-9,740.73	9,999.26	9,935.15	64.11	129.460		
9,900.00	7,241.01	7,228.21	7,227.85	87.40	30.90	85.82	129.73	-9,740.74	9,999.67	9,935.48	64.19	127.740		
10,000.00	7,241.19	7,228.83	7,228.46	90.01	30.90	85.87	129.73	-9,740.74	9,999.99	9,935.81	64.28	126.013		
10,100.00	7,241.38	7,229.45	7,229.08	92.64	30.90	85.92	129.73	-9,740.74	9,999.99	9,936.14	64.38	124.278		
10,200.00	7,241.56	7,230.06	7,229.69	95.28	30.91	85.97	129.74	-9,740.74	9,999.96	9,936.48	64.48	122.537		
10,300.00	7,241.75	7,230.68	7,230.31	97.93	30.91	86.01	129.74	-9,740.75	9,999.99	9,936.83	64.59	120.787		
10,400.00	7,241.94	7,231.29	7,230.92	100.59	30.91	86.06	129.74	-9,740.75	9,999.99	9,937.17	64.70	119.031		
10,500.00	7,242.12	7,231.91	7,231.54	103.26	30.91	86.11	129.75	-9,740.75	9,999.99	9,937.53	64.83	117.267		
10,600.00	7,242.31	7,232.52	7,232.16	105.95	30.92	86.15	129.75	-9,740.75	9,999.99	9,937.88	64.96	115.496		
10,700.00	7,242.50	7,233.14	7,232.77	108.64	30.92	86.20	129.75	-9,740.76	9,999.99	9,938.24	65.10	113.718		
10,800.00	7,242.68	7,233.76	7,233.39	111.34	30.92	86.25	129.76	-9,740.76	9,999.99	9,938.61	65.25	111.932		
10,900.00	7,242.87	7,234.37	7,234.00	114.05	30.92	86.30	129.76	-9,740.76	9,999.99	9,938.98	65.41	110.139		
11,000.00	7,243.05	7,234.99	7,234.62	116.76	30.93	86.34	129.76	-9,740.76	9,999.99	9,939.36	65.58	108.339		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,100.00	7,243.24	7,235.60	7,235.23	119.49	30.93	86.39	129.77	-9,740.77	7,005.50	6,939.74	65.76	106.531		
11,200.00	7,243.43	7,236.22	7,235.85	122.22	30.93	86.44	129.77	-9,740.77	6,906.08	6,840.13	65.95	104.716		
11,300.00	7,243.61	7,236.83	7,236.47	124.95	30.94	86.48	129.78	-9,740.77	6,806.67	6,740.52	66.15	102.895		
11,400.00	7,243.80	7,237.45	7,237.08	127.69	30.94	86.53	129.78	-9,740.78	6,707.28	6,640.92	66.37	101.066		
11,500.00	7,243.99	7,238.06	7,237.70	130.44	30.94	86.58	129.78	-9,740.78	6,607.91	6,541.32	66.59	99.230		
11,600.00	7,244.17	7,238.68	7,238.31	133.19	30.94	86.63	129.79	-9,740.78	6,508.56	6,441.73	66.83	97.388		
11,700.00	7,244.36	7,239.30	7,238.93	135.94	30.95	86.67	129.79	-9,740.78	6,409.23	6,342.15	67.09	95.539		
11,800.00	7,244.55	7,239.91	7,239.54	138.70	30.95	86.72	129.79	-9,740.79	6,309.92	6,242.57	67.35	93.683		
11,900.00	7,244.73	7,240.53	7,240.16	141.47	30.95	86.77	129.80	-9,740.79	6,210.63	6,142.99	67.64	91.821		
12,000.00	7,244.92	7,241.14	7,240.77	144.24	30.95	86.81	129.80	-9,740.79	6,111.37	6,043.43	67.94	89.953		
12,100.00	7,245.10	7,241.76	7,241.39	147.01	30.96	86.86	129.80	-9,740.79	6,012.13	5,943.87	68.26	88.078		
12,200.00	7,245.29	7,242.37	7,242.01	149.78	30.96	86.91	129.81	-9,740.80	5,912.91	5,844.32	68.60	86.198		
12,300.00	7,245.48	7,242.99	7,242.62	152.56	30.96	86.96	129.81	-9,740.80	5,813.73	5,744.77	68.95	84.313		
12,400.00	7,245.66	7,243.61	7,243.24	155.34	30.96	87.00	129.81	-9,740.80	5,714.57	5,645.23	69.33	82.423		
12,500.00	7,245.85	7,244.22	7,243.85	158.12	30.97	87.05	129.82	-9,740.80	5,615.44	5,545.70	69.73	80.527		
12,600.00	7,246.04	7,244.84	7,244.47	160.91	30.97	87.10	129.82	-9,740.81	5,516.34	5,446.18	70.16	78.627		
12,700.00	7,246.22	7,245.45	7,245.08	163.70	30.97	87.15	129.82	-9,740.81	5,417.27	5,346.67	70.61	76.724		
12,800.00	7,246.41	7,246.07	7,245.70	166.49	30.97	87.19	129.83	-9,740.81	5,318.24	5,247.16	71.08	74.817		
12,900.00	7,246.59	7,246.68	7,246.32	169.28	30.98	87.24	129.83	-9,740.81	5,219.25	5,147.66	71.59	72.906		
13,000.00	7,246.78	7,247.30	7,246.93	172.08	30.98	87.29	129.83	-9,740.82	5,120.30	5,048.17	72.12	70.994		
13,100.00	7,246.97	7,247.91	7,247.55	174.88	30.98	87.33	129.84	-9,740.82	5,021.38	4,948.69	72.69	69.079		
13,200.00	7,247.15	7,248.53	7,248.16	177.68	30.99	87.38	129.84	-9,740.82	4,922.51	4,849.22	73.29	67.163		
13,300.00	7,247.34	7,249.15	7,248.78	180.48	30.99	87.43	129.84	-9,740.83	4,823.69	4,749.76	73.93	65.247		
13,400.00	7,247.53	7,249.76	7,249.39	183.28	30.99	87.48	129.85	-9,740.83	4,724.92	4,650.31	74.61	63.331		
13,500.00	7,247.71	7,250.38	7,250.01	186.09	30.99	87.52	129.85	-9,740.83	4,626.20	4,550.87	75.33	61.416		
13,600.00	7,247.90	7,250.99	7,250.62	188.90	31.00	87.57	129.85	-9,740.83	4,527.53	4,451.44	76.09	59.504		
13,700.00	7,248.08	7,251.61	7,251.24	191.70	31.00	87.62	129.86	-9,740.84	4,428.93	4,352.03	76.90	57.594		
13,800.00	7,248.27	7,252.22	7,251.86	194.52	31.00	87.67	129.86	-9,740.84	4,330.39	4,252.62	77.76	55.688		
13,900.00	7,248.46	7,252.84	7,252.47	197.33	31.00	87.71	129.86	-9,740.84	4,231.91	4,153.24	78.68	53.788		
14,000.00	7,248.64	7,253.46	7,253.09	200.14	31.01	87.76	129.87	-9,740.84	4,133.51	4,053.86	79.65	51.894		
14,100.00	7,248.83	7,254.07	7,253.70	202.95	31.01	87.81	129.87	-9,740.85	4,035.19	3,954.50	80.69	50.007		
14,200.00	7,249.02	7,254.69	7,254.32	205.77	31.01	87.85	129.87	-9,740.85	3,936.96	3,855.16	81.80	48.129		
14,300.00	7,249.20	7,255.30	7,254.93	208.59	31.01	87.90	129.88	-9,740.85	3,838.81	3,755.83	82.98	46.262		
14,400.00	7,249.39	7,255.92	7,255.55	211.41	31.02	87.95	129.88	-9,740.85	3,740.77	3,656.53	84.24	44.407		
14,500.00	7,249.58	7,256.53	7,256.17	214.23	31.02	88.00	129.88	-9,740.86	3,642.82	3,557.24	85.58	42.564		
14,600.00	7,249.76	7,257.15	7,256.78	217.05	31.02	88.04	129.89	-9,740.86	3,545.00	3,457.98	87.02	40.737		
14,700.00	7,249.95	7,257.76	7,257.40	219.87	31.02	88.09	129.89	-9,740.86	3,447.30	3,358.74	88.56	38.927		
14,800.00	7,250.13	7,258.38	7,258.01	222.69	31.03	88.14	129.89	-9,740.86	3,349.73	3,259.53	90.20	37.135		
14,900.00	7,250.32	7,259.00	7,258.63	225.51	31.03	88.19	129.90	-9,740.87	3,252.31	3,160.34	91.97	35.363		
15,000.00	7,250.51	7,259.61	7,259.24	228.34	31.03	88.23	129.90	-9,740.87	3,155.06	3,061.19	93.86	33.613		
15,100.00	7,250.69	7,260.23	7,259.86	231.16	31.04	88.28	129.90	-9,740.87	3,057.98	2,962.08	95.90	31.888		
15,200.00	7,250.88	7,260.84	7,260.47	233.99	31.04	88.33	129.91	-9,740.88	2,961.09	2,863.01	98.09	30.189		
15,300.00	7,251.07	7,261.46	7,261.09	236.82	31.04	88.38	129.91	-9,740.88	2,864.42	2,763.98	100.44	28.518		
15,400.00	7,251.25	7,262.07	7,261.71	239.65	31.04	88.42	129.91	-9,740.88	2,767.98	2,665.00	102.98	26.878		
15,500.00	7,251.44	7,262.69	7,262.32	242.47	31.05	88.47	129.92	-9,740.88	2,671.81	2,566.08	105.73	25.270		
15,600.00	7,251.62	7,263.31	7,262.94	245.30	31.05	88.52	129.92	-9,740.89	2,575.93	2,467.23	108.70	23.697		
15,700.00	7,251.81	7,263.92	7,263.55	248.13	31.05	88.56	129.92	-9,740.89	2,480.37	2,368.45	111.92	22.162		
15,800.00	7,252.00	7,264.54	7,264.17	250.97	31.05	88.61	129.93	-9,740.89	2,385.18	2,269.76	115.42	20.666		
15,900.00	7,252.18	7,265.15	7,264.78	253.80	31.06	88.66	129.93	-9,740.89	2,290.40	2,171.18	119.22	19.211		
16,000.00	7,252.37	7,265.77	7,265.40	256.63	31.06	88.71	129.93	-9,740.90	2,196.08	2,072.71	123.37	17.801		
16,100.00	7,252.56	7,266.38	7,266.01	259.46	31.06	88.75	129.94	-9,740.90	2,102.28	1,974.38	127.90	16.437		
16,200.00	7,252.74	7,267.00	7,266.63	262.30	31.06	88.80	129.94	-9,740.90	2,009.08	1,876.23	132.86	15.122		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,300.00	7,252.93	7,267.61	7,267.25	265.13	31.07	88.85	129.94	-9,740.90	1,916.57	1,778.27	138.30	13.858		
16,400.00	7,253.11	7,268.23	7,267.86	267.96	31.07	88.90	129.95	-9,740.91	1,824.85	1,680.57	144.28	12.648		
16,500.00	7,253.30	7,268.85	7,268.48	270.80	31.07	88.94	129.95	-9,740.91	1,734.04	1,583.17	150.88	11.493		
16,600.00	7,253.49	7,269.46	7,269.09	273.64	31.07	88.99	129.96	-9,740.91	1,644.30	1,486.14	158.16	10.396		
16,700.00	7,253.67	7,270.08	7,269.71	276.47	31.08	89.04	129.96	-9,740.91	1,555.81	1,389.59	166.23	9.360		
16,800.00	7,253.86	7,270.69	7,270.32	279.31	31.08	89.09	129.96	-9,740.92	1,468.80	1,293.64	175.16	8.385		
16,900.00	7,254.05	7,271.31	7,270.94	282.15	31.08	89.13	129.97	-9,740.92	1,383.55	1,198.47	185.08	7.475		
17,000.00	7,254.23	7,271.92	7,271.56	284.98	31.08	89.18	129.97	-9,740.92	1,300.40	1,104.30	196.09	6.631		
17,100.00	7,254.42	7,272.54	7,272.17	287.82	31.09	89.23	129.97	-9,740.93	1,219.78	1,011.48	208.30	5.856		
17,200.00	7,254.61	7,273.16	7,272.79	290.66	31.09	89.27	129.98	-9,740.93	1,142.23	920.46	221.77	5.151		
17,300.00	7,254.79	7,273.77	7,273.40	293.50	31.09	89.32	129.98	-9,740.93	1,068.41	831.86	236.55	4.517		
17,400.00	7,254.98	7,274.39	7,274.02	296.34	31.10	89.37	129.98	-9,740.93	999.17	746.59	252.57	3.956		
17,500.00	7,255.16	7,275.00	7,274.63	299.18	31.10	89.42	129.99	-9,740.94	935.50	665.87	269.62	3.470		
17,600.00	7,255.35	7,275.62	7,275.25	302.02	31.10	89.46	129.99	-9,740.94	878.62	591.38	287.24	3.059		
17,700.00	7,255.54	7,276.23	7,275.86	304.86	31.10	89.51	129.99	-9,740.94	829.94	525.29	304.65	2.724		
17,800.00	7,255.72	7,276.85	7,276.48	307.70	31.11	89.56	130.00	-9,740.94	790.96	470.24	320.71	2.466		
17,900.00	7,255.91	7,277.47	7,277.10	310.54	31.11	89.61	130.00	-9,740.95	763.17	429.16	334.02	2.285		
18,000.00	7,256.10	7,278.08	7,277.71	313.39	31.11	89.65	130.00	-9,740.95	747.83	404.70	343.13	2.179		
18,065.91	7,256.22	7,278.49	7,278.12	315.26	31.11	89.68	130.01	-9,740.95	744.92	398.61	346.31	2.151 CC, ES		
18,100.00	7,256.28	7,278.70	7,278.33	316.23	31.11	89.70	130.01	-9,740.95	745.70	398.69	347.01	2.149 SF		
18,200.00	7,256.47	7,279.31	7,278.94	319.07	31.12	89.75	130.01	-9,740.95	756.89	411.52	345.37	2.192		
18,300.00	7,256.65	7,279.93	7,279.56	321.91	31.12	89.80	130.01	-9,740.96	780.83	442.09	338.75	2.305		
18,400.00	7,256.84	7,280.54	7,280.17	324.76	31.12	89.84	130.02	-9,740.96	816.40	488.10	328.30	2.487		
18,500.00	7,257.03	7,281.16	7,280.79	327.60	31.12	89.89	130.02	-9,740.96	862.17	546.77	315.39	2.734		
18,600.00	7,257.21	7,281.77	7,281.41	330.44	31.13	89.94	130.02	-9,740.96	916.59	615.32	301.27	3.042		
18,700.00	7,257.40	7,282.39	7,282.02	333.29	31.13	89.98	130.03	-9,740.97	978.24	691.35	286.90	3.410		
18,800.00	7,257.59	7,283.01	7,282.64	336.13	31.13	90.03	130.03	-9,740.97	1,045.83	772.94	272.89	3.832		
18,900.00	7,257.77	7,283.62	7,283.25	338.98	31.13	90.08	130.03	-9,740.97	1,118.29	858.65	259.64	4.307		
19,000.00	7,257.96	7,284.24	7,283.87	341.82	31.14	90.13	130.04	-9,740.98	1,194.73	947.40	247.33	4.831		
19,022.43	7,258.00	7,284.38	7,284.01	342.46	31.14	90.14	130.04	-9,740.98	1,212.35	967.64	244.70	4.954		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	14.00	14.00	3.28	3.29	-98.07	-1,210.93	-8,543.31	8,628.70					
100.00	100.00	114.00	114.00	3.28	3.97	-98.07	-1,210.93	-8,543.31	8,628.70	8,621.45	7.25	1,189.616		
200.00	200.00	214.00	214.00	3.34	6.60	-98.07	-1,210.93	-8,543.31	8,628.70	8,618.76	9.94	868.491		
300.00	300.00	314.00	314.00	3.44	9.78	-98.07	-1,210.93	-8,543.31	8,628.70	8,615.47	13.23	652.334		
400.00	399.98	413.98	413.98	3.60	13.12	145.92	-1,210.93	-8,543.31	8,630.15	8,613.42	16.72	516.125		
500.00	499.84	513.84	513.84	3.79	16.52	145.89	-1,210.93	-8,543.31	8,634.48	8,614.17	20.31	425.041		
600.00	599.45	613.45	613.45	4.03	19.94	145.84	-1,210.93	-8,543.31	8,641.70	8,617.73	23.97	360.499		
700.00	698.70	712.70	712.70	4.30	23.37	145.78	-1,210.93	-8,543.31	8,651.81	8,624.14	27.67	312.686		
800.00	797.47	811.47	811.47	4.61	26.78	145.69	-1,210.93	-8,543.31	8,664.79	8,633.39	31.39	276.010		
900.00	895.62	909.62	909.62	4.96	30.19	145.58	-1,210.93	-8,543.31	8,680.63	8,645.50	35.13	247.091		
939.50	934.20	948.20	948.20	5.10	31.53	145.53	-1,210.93	-8,543.31	8,687.67	8,651.06	36.61	237.288		
1,000.00	993.20	1,007.20	1,007.20	5.33	33.58	145.58	-1,210.93	-8,543.31	8,698.81	8,659.93	38.88	223.741		
1,100.00	1,090.72	1,104.72	1,104.72	5.73	36.97	145.66	-1,210.93	-8,543.31	8,717.22	8,674.58	42.64	204.430		
1,200.00	1,188.24	1,202.24	1,202.24	6.15	40.36	145.74	-1,210.93	-8,543.31	8,735.65	8,689.23	46.42	188.172		
1,300.00	1,285.76	1,300.24	1,299.76	6.59	43.77	145.82	-1,210.93	-8,543.31	8,754.10	8,703.86	50.24	174.251		
1,400.00	1,383.28	1,402.72	1,397.28	7.04	47.34	145.90	-1,210.93	-8,543.31	8,772.57	8,718.34	54.22	161.790		
1,500.00	1,480.80	1,505.21	1,494.80	7.50	50.91	145.98	-1,210.93	-8,543.31	8,791.05	8,732.83	58.22	151.007		
1,600.00	1,578.31	1,607.69	1,592.31	7.96	54.48	146.06	-1,210.93	-8,543.31	8,809.55	8,747.33	62.22	141.590		
1,700.00	1,675.83	1,689.83	1,689.83	8.44	57.34	146.14	-1,210.93	-8,543.31	8,828.07	8,762.54	65.52	134.738		
1,800.00	1,773.35	1,787.35	1,787.35	8.92	60.74	146.22	-1,210.93	-8,543.31	8,846.60	8,777.23	69.36	127.539		
1,900.00	1,870.87	1,884.87	1,884.87	9.40	64.14	146.30	-1,210.93	-8,543.31	8,865.15	8,791.94	73.21	121.088		
2,000.00	1,968.39	1,982.39	1,982.39	9.89	67.54	146.38	-1,210.93	-8,543.31	8,883.71	8,806.65	77.07	115.275		
2,100.00	2,065.91	2,079.91	2,079.91	10.39	70.94	146.46	-1,210.93	-8,543.31	8,902.30	8,821.37	80.92	110.010		
2,200.00	2,163.43	2,177.43	2,177.43	10.88	74.34	146.53	-1,210.93	-8,543.31	8,920.90	8,836.11	84.78	105.221		
2,300.00	2,260.95	2,274.95	2,274.95	11.38	77.74	146.61	-1,210.93	-8,543.31	8,939.51	8,850.86	88.65	100.846		
2,400.00	2,358.46	2,372.46	2,372.46	11.89	81.14	146.69	-1,210.93	-8,543.31	8,958.14	8,865.63	92.51	96.833		
2,500.00	2,455.98	2,469.98	2,469.98	12.39	84.55	146.77	-1,210.93	-8,543.31	8,976.79	8,880.41	96.38	93.141		
2,600.00	2,553.50	2,567.50	2,567.50	12.89	87.95	146.84	-1,210.93	-8,543.31	8,995.45	8,895.20	100.25	89.732		
2,700.00	2,651.02	2,665.02	2,665.02	13.40	91.35	146.92	-1,210.93	-8,543.31	9,014.13	8,910.01	104.12	86.575		
2,800.00	2,748.54	2,762.54	2,762.54	13.91	94.75	146.99	-1,210.93	-8,543.31	9,032.82	8,924.83	107.99	83.643		
2,900.00	2,846.06	2,860.06	2,860.06	14.42	98.15	147.07	-1,210.93	-8,543.31	9,051.53	8,939.67	111.87	80.914		
3,000.00	2,943.58	2,957.58	2,957.58	14.93	101.56	147.15	-1,210.93	-8,543.31	9,070.26	8,954.51	115.74	78.366		
3,100.00	3,041.10	3,055.10	3,055.10	15.45	104.96	147.22	-1,210.93	-8,543.31	9,089.00	8,969.38	119.62	75.984		
3,200.00	3,138.61	3,152.61	3,152.61	15.96	108.36	147.30	-1,210.93	-8,543.31	9,107.75	8,984.26	123.50	73.750		
3,300.00	3,236.13	3,250.13	3,250.13	16.47	111.77	147.37	-1,210.93	-8,543.31	9,126.52	8,999.15	127.37	71.652		
3,400.00	3,333.65	3,347.65	3,347.65	16.99	115.17	147.44	-1,210.93	-8,543.31	9,145.31	9,014.06	131.25	69.677		
3,500.00	3,431.17	3,445.17	3,445.17	17.50	118.57	147.52	-1,210.93	-8,543.31	9,164.11	9,028.98	135.13	67.816		
3,600.00	3,528.69	3,542.69	3,542.69	18.02	121.97	147.59	-1,210.93	-8,543.31	9,182.92	9,043.91	139.01	66.059		
3,700.00	3,626.21	3,640.21	3,640.21	18.54	125.38	147.67	-1,210.93	-8,543.31	9,201.76	9,058.86	142.89	64.396		
3,800.00	3,723.73	3,737.73	3,737.73	19.06	128.78	147.74	-1,210.93	-8,543.31	9,220.60	9,073.83	146.77	62.822		
3,900.00	3,821.25	3,835.25	3,835.25	19.57	132.18	147.81	-1,210.93	-8,543.31	9,239.46	9,088.80	150.66	61.329		
4,000.00	3,918.77	3,932.77	3,932.77	20.09	135.59	147.88	-1,210.93	-8,543.31	9,258.33	9,103.80	154.54	59.910		
4,100.00	4,016.28	4,030.28	4,030.28	20.61	138.99	147.96	-1,210.93	-8,543.31	9,277.22	9,118.80	158.42	58.561		
4,200.00	4,113.80	4,127.80	4,127.80	21.13	142.39	148.03	-1,210.93	-8,543.31	9,296.13	9,133.82	162.30	57.277		
4,300.00	4,211.32	4,225.32	4,225.32	21.65	145.80	148.10	-1,210.93	-8,543.31	9,315.04	9,148.86	166.19	56.052		
4,400.00	4,308.84	4,322.84	4,322.84	22.17	149.20	148.17	-1,210.93	-8,543.31	9,333.97	9,163.91	170.07	54.884		
4,500.00	4,406.36	4,420.36	4,420.36	22.69	152.60	148.24	-1,210.93	-8,543.31	9,352.92	9,178.97	173.95	53.767		
4,600.00	4,503.88	4,517.88	4,517.88	23.21	156.01	148.31	-1,210.93	-8,543.31	9,371.88	9,194.04	177.84	52.700		
4,700.00	4,601.40	4,615.40	4,615.40	23.73	159.41	148.38	-1,210.93	-8,543.31	9,390.85	9,209.13	181.72	51.678		
4,800.00	4,698.92	4,712.92	4,712.92	24.26	162.82	148.45	-1,210.93	-8,543.31	9,409.84	9,224.23	185.60	50.698		
4,900.00	4,796.43	4,810.43	4,810.43	24.78	166.22	148.52	-1,210.93	-8,543.31	9,428.84	9,239.35	189.49	49.759		
5,000.00	4,893.95	4,907.95	4,907.95	25.30	169.62	148.59	-1,210.93	-8,543.31	9,447.85	9,254.48	193.37	48.858		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,005.47	5,005.47	25.82	173.03	148.66	-1,210.93	-8,543.31	9,466.88	9,269.62	197.26	47.992		
5,200.00	5,088.99	5,102.99	5,102.99	26.34	176.43	148.73	-1,210.93	-8,543.31	9,485.92	9,284.78	201.14	47.160		
5,300.00	5,186.51	5,200.51	5,200.51	26.87	179.83	148.80	-1,210.93	-8,543.31	9,504.98	9,299.95	205.03	46.359		
5,400.00	5,284.03	5,301.97	5,298.03	27.39	183.38	148.87	-1,210.93	-8,543.31	9,524.05	9,315.00	209.05	45.559		
5,500.00	5,381.55	5,404.45	5,395.55	27.91	186.95	148.94	-1,210.93	-8,543.31	9,543.13	9,330.02	213.11	44.781		
5,600.00	5,479.07	5,506.93	5,493.07	28.43	190.53	149.01	-1,210.93	-8,543.31	9,562.22	9,345.06	217.17	44.032		
5,700.00	5,576.58	5,609.42	5,590.58	28.96	194.11	149.07	-1,210.93	-8,543.31	9,581.33	9,360.11	221.23	43.310		
5,800.00	5,674.10	5,688.10	5,688.10	29.48	196.85	149.14	-1,210.93	-8,543.31	9,600.45	9,376.00	224.45	42.773		
5,900.00	5,771.62	5,785.62	5,785.62	30.00	200.26	149.21	-1,210.93	-8,543.31	9,619.59	9,391.25	228.34	42.129		
6,000.00	5,869.14	5,883.14	5,883.14	30.53	203.66	149.27	-1,210.93	-8,543.31	9,638.73	9,406.51	232.22	41.506		
6,100.00	5,966.66	5,980.66	5,980.66	31.05	207.07	149.34	-1,210.93	-8,543.31	9,657.89	9,421.78	236.11	40.904		
6,200.00	6,064.18	6,078.18	6,078.18	31.58	210.47	149.41	-1,210.93	-8,543.31	9,677.07	9,437.07	240.00	40.322		
6,300.00	6,161.70	6,175.70	6,175.70	32.10	213.87	149.47	-1,210.93	-8,543.31	9,696.25	9,452.37	243.88	39.758		
6,400.00	6,259.22	6,273.22	6,273.22	32.62	217.28	149.54	-1,210.93	-8,543.31	9,715.45	9,467.68	247.77	39.212		
6,500.00	6,356.74	6,370.74	6,370.74	33.15	220.68	149.61	-1,210.93	-8,543.31	9,734.66	9,483.00	251.65	38.683		
6,600.00	6,454.25	6,468.25	6,468.25	33.67	224.09	149.67	-1,210.93	-8,543.31	9,753.88	9,498.34	255.54	38.170		
6,623.48	6,477.15	6,508.85	6,491.15	33.80	225.50	149.69	-1,210.93	-8,543.31	9,758.39	9,501.33	257.07	37.960		
6,650.00	6,503.12	6,517.12	6,517.12	33.93	225.79	144.14	-1,210.93	-8,543.31	9,762.95	9,505.47	257.48	37.917		
6,700.00	6,552.50	6,566.50	6,566.50	34.16	227.52	125.31	-1,210.93	-8,543.31	9,768.58	9,509.15	259.43	37.654		
6,750.00	6,602.21	6,616.21	6,616.21	34.36	229.25	87.32	-1,210.93	-8,543.31	9,770.31	9,508.93	261.38	37.380		
6,800.00	6,651.92	6,665.92	6,665.92	34.54	230.99	48.40	-1,210.93	-8,543.31	9,768.12	9,504.83	263.29	37.100		
6,850.00	6,701.33	6,715.33	6,715.33	34.70	232.71	28.74	-1,210.93	-8,543.31	9,762.03	9,496.86	265.17	36.814		
6,900.00	6,750.14	6,764.14	6,764.14	34.86	234.41	19.22	-1,210.93	-8,543.31	9,752.08	9,485.07	267.01	36.523		
6,950.00	6,798.04	6,812.04	6,812.04	35.02	236.09	13.89	-1,210.93	-8,543.31	9,738.33	9,469.52	268.81	36.228		
7,000.00	6,844.75	6,858.75	6,858.75	35.19	237.72	10.51	-1,210.93	-8,543.31	9,720.85	9,450.32	270.54	35.932		
7,050.00	6,889.97	6,903.97	6,903.97	35.37	239.29	8.16	-1,210.93	-8,543.31	9,699.77	9,427.57	272.20	35.635		
7,100.00	6,933.42	6,947.42	6,947.42	35.57	240.81	6.41	-1,210.93	-8,543.31	9,675.21	9,401.42	273.79	35.338		
7,150.00	6,974.83	6,988.83	6,988.83	35.79	242.26	5.02	-1,210.93	-8,543.31	9,647.31	9,372.02	275.29	35.044		
7,200.00	7,013.96	7,027.96	7,027.96	36.02	243.62	3.85	-1,210.93	-8,543.31	9,616.26	9,339.56	276.70	34.754		
7,250.00	7,050.56	7,064.56	7,064.56	36.28	244.90	2.80	-1,210.93	-8,543.31	9,582.24	9,304.24	278.00	34.468		
7,300.00	7,084.39	7,101.61	7,098.39	36.57	246.19	1.79	-1,210.93	-8,543.31	9,545.46	9,266.15	279.31	34.175		
7,350.00	7,115.27	7,129.27	7,129.27	36.89	247.16	0.77	-1,210.93	-8,543.31	9,506.15	9,225.86	280.29	33.916		
7,400.00	7,142.99	7,156.99	7,156.99	37.25	248.13	-0.36	-1,210.93	-8,543.31	9,464.55	9,183.30	281.26	33.651		
7,450.00	7,167.38	7,181.38	7,181.38	37.65	248.98	-1.70	-1,210.93	-8,543.31	9,420.92	9,138.82	282.10	33.395		
7,500.00	7,188.30	7,202.30	7,202.30	38.08	249.71	-3.43	-1,210.93	-8,543.31	9,375.53	9,092.70	282.83	33.149		
7,550.00	7,205.61	7,219.61	7,219.61	38.55	250.31	-5.88	-1,210.93	-8,543.31	9,328.65	9,045.23	283.42	32.914		
7,600.00	7,219.20	7,233.20	7,233.20	39.06	250.79	-9.78	-1,210.93	-8,543.31	9,280.58	8,996.69	283.89	32.691		
7,650.00	7,229.00	7,243.00	7,243.00	39.61	251.13	-17.15	-1,210.93	-8,543.31	9,231.61	8,947.39	284.22	32.480		
7,700.00	7,234.95	7,248.95	7,248.95	40.18	251.34	-35.36	-1,210.93	-8,543.31	9,182.05	8,897.62	284.43	32.283		
7,750.07	7,237.00	7,251.00	7,251.00	40.78	251.41	-88.36	-1,210.93	-8,543.31	9,132.13	8,847.63	284.50	32.099		
7,800.00	7,237.09	7,251.09	7,251.09	41.41	251.41	-88.36	-1,210.93	-8,543.31	9,082.30	8,797.79	284.51	31.922		
7,900.00	7,237.28	7,251.28	7,251.28	42.79	251.42	-88.38	-1,210.93	-8,543.31	8,982.52	8,697.98	284.53	31.569		
8,000.00	7,237.47	7,251.47	7,251.47	44.31	251.43	-88.40	-1,210.93	-8,543.31	8,882.74	8,598.18	284.56	31.216		
8,100.00	7,237.65	7,251.65	7,251.65	45.97	251.43	-88.42	-1,210.93	-8,543.31	8,782.96	8,498.37	284.59	30.862		
8,200.00	7,237.84	7,251.84	7,251.84	47.75	251.44	-88.44	-1,210.93	-8,543.31	8,683.19	8,398.57	284.62	30.508		
8,300.00	7,238.02	7,252.02	7,252.02	49.63	251.44	-88.45	-1,210.93	-8,543.31	8,583.43	8,298.78	284.65	30.154		
8,400.00	7,238.21	7,252.21	7,252.21	51.61	251.45	-88.47	-1,210.93	-8,543.31	8,483.67	8,198.98	284.69	29.800		
8,500.00	7,238.40	7,252.40	7,252.40	53.66	251.46	-88.49	-1,210.93	-8,543.31	8,383.91	8,099.18	284.73	29.445		
8,600.00	7,238.58	7,252.58	7,252.58	55.79	251.46	-88.51	-1,210.93	-8,543.31	8,284.17	7,999.39	284.77	29.091		
8,700.00	7,238.77	7,252.77	7,252.77	57.99	251.47	-88.53	-1,210.93	-8,543.31	8,184.42	7,899.61	284.82	28.736		
8,800.00	7,238.96	7,252.96	7,252.96	60.24	251.48	-88.54	-1,210.93	-8,543.31	8,084.69	7,799.82	284.87	28.380		
8,900.00	7,239.14	7,253.14	7,253.14	62.54	251.48	-88.56	-1,210.93	-8,543.31	7,984.96	7,700.04	284.92	28.025		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,253.33	7,253.33	64.88	251.49	-88.58	-1,210.93	-8,543.31	7,885.24	7,600.26	284.98	27.669		
9,100.00	7,239.52	7,253.52	7,253.52	67.27	251.50	-88.60	-1,210.93	-8,543.31	7,785.52	7,500.48	285.05	27.313		
9,200.00	7,239.70	7,253.70	7,253.70	69.69	251.50	-88.62	-1,210.93	-8,543.31	7,685.82	7,400.70	285.11	26.957		
9,300.00	7,239.89	7,253.89	7,253.89	72.15	251.51	-88.64	-1,210.93	-8,543.31	7,586.12	7,300.93	285.18	26.601		
9,400.00	7,240.07	7,254.07	7,254.07	74.63	251.52	-88.65	-1,210.93	-8,543.31	7,486.42	7,201.16	285.26	26.244		
9,500.00	7,240.26	7,254.26	7,254.26	77.14	251.52	-88.67	-1,210.93	-8,543.31	7,386.74	7,101.40	285.34	25.887		
9,600.00	7,240.45	7,254.45	7,254.45	79.68	251.53	-88.69	-1,210.93	-8,543.31	7,287.07	7,001.64	285.43	25.530		
9,700.00	7,240.63	7,254.63	7,254.63	82.23	251.54	-88.71	-1,210.93	-8,543.31	7,187.40	6,901.88	285.52	25.173		
9,800.00	7,240.82	7,254.82	7,254.82	84.81	251.54	-88.73	-1,210.93	-8,543.31	7,087.75	6,802.13	285.62	24.815		
9,900.00	7,241.01	7,255.01	7,255.01	87.40	251.55	-88.74	-1,210.93	-8,543.31	6,988.10	6,702.38	285.72	24.458		
10,000.00	7,241.19	7,255.19	7,255.19	90.01	251.56	-88.76	-1,210.93	-8,543.31	6,888.46	6,602.63	285.83	24.100		
10,100.00	7,241.38	7,255.38	7,255.38	92.64	251.56	-88.78	-1,210.93	-8,543.31	6,788.84	6,502.89	285.95	23.741		
10,200.00	7,241.56	7,255.56	7,255.56	95.28	251.57	-88.80	-1,210.93	-8,543.31	6,689.22	6,403.15	286.08	23.383		
10,300.00	7,241.75	7,255.75	7,255.75	97.93	251.57	-88.82	-1,210.93	-8,543.31	6,589.62	6,303.41	286.21	23.024		
10,400.00	7,241.94	7,255.94	7,255.94	100.59	251.58	-88.83	-1,210.93	-8,543.31	6,490.03	6,203.68	286.35	22.665		
10,500.00	7,242.12	7,256.12	7,256.12	103.26	251.59	-88.85	-1,210.93	-8,543.31	6,390.45	6,103.96	286.50	22.306		
10,600.00	7,242.31	7,256.31	7,256.31	105.95	251.59	-88.87	-1,210.93	-8,543.31	6,290.89	6,004.24	286.65	21.946		
10,700.00	7,242.50	7,256.50	7,256.50	108.64	251.60	-88.89	-1,210.93	-8,543.31	6,191.34	5,904.52	286.82	21.586		
10,800.00	7,242.68	7,256.68	7,256.68	111.34	251.61	-88.91	-1,210.93	-8,543.31	6,091.81	5,804.81	286.99	21.226		
10,900.00	7,242.87	7,256.87	7,256.87	114.05	251.61	-88.92	-1,210.93	-8,543.31	5,992.29	5,705.10	287.18	20.866		
11,000.00	7,243.05	7,257.05	7,257.05	116.76	251.62	-88.94	-1,210.93	-8,543.31	5,892.78	5,605.40	287.38	20.505		
11,100.00	7,243.24	7,257.24	7,257.24	119.49	251.63	-88.96	-1,210.93	-8,543.31	5,793.30	5,505.71	287.59	20.144		
11,200.00	7,243.43	7,257.43	7,257.43	122.22	251.63	-88.98	-1,210.93	-8,543.31	5,693.83	5,406.02	287.81	19.783		
11,300.00	7,243.61	7,257.61	7,257.61	124.95	251.64	-89.00	-1,210.93	-8,543.31	5,594.38	5,306.33	288.05	19.422		
11,400.00	7,243.80	7,257.80	7,257.80	127.69	251.65	-89.01	-1,210.93	-8,543.31	5,494.95	5,206.65	288.30	19.060		
11,500.00	7,243.99	7,257.99	7,257.99	130.44	251.65	-89.03	-1,210.93	-8,543.31	5,395.54	5,106.98	288.56	18.698		
11,600.00	7,244.17	7,258.17	7,258.17	133.19	251.66	-89.05	-1,210.93	-8,543.31	5,296.15	5,007.31	288.84	18.336		
11,700.00	7,244.36	7,258.36	7,258.36	135.94	251.67	-89.07	-1,210.93	-8,543.31	5,196.79	4,907.65	289.14	17.973		
11,800.00	7,244.55	7,258.55	7,258.55	138.70	251.67	-89.09	-1,210.93	-8,543.31	5,097.45	4,808.00	289.46	17.610		
11,900.00	7,244.73	7,258.73	7,258.73	141.47	251.68	-89.10	-1,210.93	-8,543.31	4,998.14	4,708.35	289.79	17.247		
12,000.00	7,244.92	7,258.92	7,258.92	144.24	251.69	-89.12	-1,210.93	-8,543.31	4,898.86	4,608.71	290.15	16.884		
12,100.00	7,245.10	7,259.10	7,259.10	147.01	251.69	-89.14	-1,210.93	-8,543.31	4,799.61	4,509.07	290.53	16.520		
12,200.00	7,245.29	7,259.29	7,259.29	149.78	251.70	-89.16	-1,210.93	-8,543.31	4,700.38	4,409.45	290.94	16.156		
12,300.00	7,245.48	7,259.48	7,259.48	152.56	251.70	-89.18	-1,210.93	-8,543.31	4,601.20	4,309.83	291.37	15.792		
12,400.00	7,245.66	7,259.66	7,259.66	155.34	251.71	-89.19	-1,210.93	-8,543.31	4,502.04	4,210.21	291.83	15.427		
12,500.00	7,245.85	7,259.85	7,259.85	158.12	251.72	-89.21	-1,210.93	-8,543.31	4,402.93	4,110.61	292.32	15.062		
12,600.00	7,246.04	7,260.04	7,260.04	160.91	251.72	-89.23	-1,210.93	-8,543.31	4,303.86	4,011.01	292.85	14.697		
12,700.00	7,246.22	7,260.22	7,260.22	163.70	251.73	-89.25	-1,210.93	-8,543.31	4,204.83	3,911.42	293.41	14.331		
12,800.00	7,246.41	7,260.41	7,260.41	166.49	251.74	-89.27	-1,210.93	-8,543.31	4,105.85	3,811.84	294.00	13.965		
12,900.00	7,246.59	7,260.59	7,260.59	169.28	251.74	-89.28	-1,210.93	-8,543.31	4,006.92	3,712.27	294.64	13.599		
13,000.00	7,246.78	7,260.78	7,260.78	172.08	251.75	-89.30	-1,210.93	-8,543.31	3,908.04	3,612.71	295.33	13.233		
13,100.00	7,246.97	7,260.97	7,260.97	174.88	251.76	-89.32	-1,210.93	-8,543.31	3,809.22	3,513.15	296.07	12.866		
13,200.00	7,247.15	7,261.15	7,261.15	177.68	251.76	-89.34	-1,210.93	-8,543.31	3,710.46	3,413.61	296.85	12.499		
13,300.00	7,247.34	7,261.34	7,261.34	180.48	251.77	-89.36	-1,210.93	-8,543.31	3,611.78	3,314.08	297.70	12.132		
13,400.00	7,247.53	7,261.53	7,261.53	183.28	251.78	-89.37	-1,210.93	-8,543.31	3,513.17	3,214.56	298.61	11.765		
13,500.00	7,247.71	7,261.71	7,261.71	186.09	251.78	-89.39	-1,210.93	-8,543.31	3,414.63	3,115.04	299.59	11.398		
13,600.00	7,247.90	7,261.90	7,261.90	188.90	251.79	-89.41	-1,210.93	-8,543.31	3,316.19	3,015.55	300.65	11.030		
13,700.00	7,248.08	7,262.08	7,262.08	191.70	251.80	-89.43	-1,210.93	-8,543.31	3,217.84	2,916.06	301.78	10.663		
13,800.00	7,248.27	7,262.27	7,262.27	194.52	251.80	-89.45	-1,210.93	-8,543.31	3,119.60	2,816.59	303.01	10.295		
13,900.00	7,248.46	7,262.46	7,262.46	197.33	251.81	-89.47	-1,210.93	-8,543.31	3,021.47	2,717.13	304.35	9.928		
14,000.00	7,248.64	7,262.64	7,262.64	200.14	251.82	-89.48	-1,210.93	-8,543.31	2,923.47	2,617.68	305.79	9.560		
14,100.00	7,248.83	7,262.83	7,262.83	202.95	251.82	-89.50	-1,210.93	-8,543.31	2,825.61	2,518.26	307.35	9.193		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	7,263.02	7,263.02	205.77	251.83	-89.52	-1,210.93	-8,543.31	2,727.91	2,418.85	309.06	8.827		
14,300.00	7,249.20	7,263.20	7,263.20	208.59	251.83	-89.54	-1,210.93	-8,543.31	2,630.37	2,319.47	310.91	8.460		
14,400.00	7,249.39	7,263.39	7,263.39	211.41	251.84	-89.56	-1,210.93	-8,543.31	2,533.03	2,220.11	312.93	8.095		
14,500.00	7,249.58	7,263.58	7,263.58	214.23	251.85	-89.57	-1,210.93	-8,543.31	2,435.91	2,120.77	315.14	7.730		
14,600.00	7,249.76	7,263.76	7,263.76	217.05	251.85	-89.59	-1,210.93	-8,543.31	2,339.03	2,021.47	317.56	7.366		
14,700.00	7,249.95	7,263.95	7,263.95	219.87	251.86	-89.61	-1,210.93	-8,543.31	2,242.42	1,922.20	320.22	7.003		
14,800.00	7,250.13	7,264.13	7,264.13	222.69	251.87	-89.63	-1,210.93	-8,543.31	2,146.12	1,822.98	323.14	6.641		
14,900.00	7,250.32	7,264.32	7,264.32	225.51	251.87	-89.65	-1,210.93	-8,543.31	2,050.18	1,723.81	326.37	6.282		
15,000.00	7,250.51	7,264.51	7,264.51	228.34	251.88	-89.66	-1,210.93	-8,543.31	1,954.64	1,624.70	329.94	5.924		
15,100.00	7,250.69	7,264.69	7,264.69	231.16	251.89	-89.68	-1,210.93	-8,543.31	1,859.57	1,525.66	333.91	5.569		
15,200.00	7,250.88	7,264.88	7,264.88	233.99	251.89	-89.70	-1,210.93	-8,543.31	1,765.05	1,426.73	338.32	5.217		
15,300.00	7,251.07	7,265.07	7,265.07	236.82	251.90	-89.72	-1,210.93	-8,543.31	1,671.16	1,327.91	343.26	4.869		
15,400.00	7,251.25	7,265.25	7,265.25	239.65	251.91	-89.74	-1,210.93	-8,543.31	1,578.03	1,229.24	348.79	4.524		
15,500.00	7,251.44	7,265.44	7,265.44	242.47	251.91	-89.75	-1,210.93	-8,543.31	1,485.79	1,130.78	355.01	4.185		
15,600.00	7,251.62	7,265.62	7,265.62	245.30	251.92	-89.77	-1,210.93	-8,543.31	1,394.62	1,032.59	362.03	3.852		
15,700.00	7,251.81	7,265.81	7,265.81	248.13	251.93	-89.79	-1,210.93	-8,543.31	1,304.74	934.75	369.99	3.526		
15,800.00	7,252.00	7,266.00	7,266.00	250.97	251.93	-89.81	-1,210.93	-8,543.31	1,216.45	837.41	379.04	3.209		
15,900.00	7,252.18	7,266.18	7,266.18	253.80	251.94	-89.83	-1,210.93	-8,543.31	1,130.11	740.76	389.34	2.903		
16,000.00	7,252.37	7,266.37	7,266.37	256.63	251.95	-89.84	-1,210.93	-8,543.31	1,046.20	645.11	401.09	2.608		
16,100.00	7,252.56	7,266.56	7,266.56	259.46	251.95	-89.86	-1,210.93	-8,543.31	965.36	550.90	414.46	2.329		
16,200.00	7,252.74	7,266.74	7,266.74	262.30	251.96	-89.88	-1,210.93	-8,543.31	888.43	458.85	429.58	2.068		
16,300.00	7,252.93	7,266.93	7,266.93	265.13	251.96	-89.90	-1,210.93	-8,543.31	816.52	370.03	446.49	1.829		
16,400.00	7,253.11	7,267.11	7,267.11	267.96	251.97	-89.92	-1,210.93	-8,543.31	751.06	286.14	464.93	1.615		
16,500.00	7,253.30	7,267.30	7,267.30	270.80	251.98	-89.93	-1,210.93	-8,543.31	693.89	209.69	484.21	1.433	Level 3	1.287 Level 3
16,600.00	7,253.49	7,267.49	7,267.49	273.64	251.98	-89.95	-1,210.93	-8,543.31	647.21	144.25	502.95	1.182	Level 2	
16,700.00	7,253.67	7,267.67	7,267.67	276.47	251.99	-89.97	-1,210.93	-8,543.31	613.41	94.38	519.03	1.122	Level 2	1.109 Level 2, CC, ES, SF
16,800.00	7,253.86	7,267.86	7,267.86	279.31	252.00	-89.99	-1,210.93	-8,543.31	594.69	64.80	529.89	1.111	Level 2	
16,863.05	7,253.98	7,267.98	7,267.98	281.10	252.00	-90.00	-1,210.93	-8,543.31	591.34	58.25	533.10	1.146	Level 2	1.227 Level 2
16,900.00	7,254.05	7,268.05	7,268.05	282.15	252.00	-90.01	-1,210.93	-8,543.31	592.49	58.96	533.53	1.349	Level 3	
17,000.00	7,254.23	7,268.23	7,268.23	284.98	252.01	-90.02	-1,210.93	-8,543.31	606.99	77.50	529.49	1.505		1.692
17,100.00	7,254.42	7,268.42	7,268.42	287.82	252.02	-90.04	-1,210.93	-8,543.31	637.05	117.96	519.09	1.904		
17,200.00	7,254.61	7,268.61	7,268.61	290.66	252.02	-90.06	-1,210.93	-8,543.31	680.60	175.98	504.63	2.136		2.385
17,300.00	7,254.79	7,268.79	7,268.79	293.50	252.03	-90.08	-1,210.93	-8,543.31	735.26	246.87	488.40	2.648		
17,400.00	7,254.98	7,268.98	7,268.98	296.34	252.04	-90.10	-1,210.93	-8,543.31	798.75	326.70	472.05	2.923		3.208
17,500.00	7,255.16	7,269.16	7,269.16	299.18	252.04	-90.11	-1,210.93	-8,543.31	869.13	412.57	456.57	3.500		
17,600.00	7,255.35	7,269.35	7,269.35	302.02	252.05	-90.13	-1,210.93	-8,543.31	944.87	502.47	442.40	3.799		4.104
17,700.00	7,255.54	7,269.54	7,269.54	304.86	252.06	-90.15	-1,210.93	-8,543.31	1,024.78	595.10	429.68	4.414		
17,800.00	7,255.72	7,269.72	7,269.72	307.70	252.06	-90.17	-1,210.93	-8,543.31	1,107.95	689.57	418.38	4.728		5.045
17,900.00	7,255.91	7,269.91	7,269.91	310.54	252.07	-90.19	-1,210.93	-8,543.31	1,193.71	785.33	408.38	5.366		
18,000.00	7,256.10	7,270.10	7,270.10	313.39	252.08	-90.21	-1,210.93	-8,543.31	1,281.54	882.00	399.54	5.688		6.013
18,100.00	7,256.28	7,270.28	7,270.28	316.23	252.08	-90.22	-1,210.93	-8,543.31	1,371.03	979.33	391.71	6.340		
18,200.00	7,256.47	7,270.47	7,270.47	319.07	252.09	-90.24	-1,210.93	-8,543.31	1,461.89	1,077.13	384.76	6.641		7.003
18,300.00	7,256.65	7,270.65	7,270.65	321.91	252.09	-90.26	-1,210.93	-8,543.31	1,553.87	1,175.29	378.58	7.366		
18,400.00	7,256.84	7,270.84	7,270.84	324.76	252.10	-90.28	-1,210.93	-8,543.31	1,646.79	1,273.72	373.06	7.730		8.095
18,500.00	7,257.03	7,271.03	7,271.03	327.60	252.11	-90.30	-1,210.93	-8,543.31	1,740.49	1,372.37	368.12	8.460		
18,600.00	7,257.21	7,271.21	7,271.21	330.44	252.11	-90.31	-1,210.93	-8,543.31	1,834.85	1,471.18	363.67	8.827		9.217
18,700.00	7,257.40	7,271.40	7,271.40	333.29	252.12	-90.33	-1,210.93	-8,543.31	1,929.79	1,570.12	359.66	9.591		
18,800.00	7,257.59	7,271.59	7,271.59	336.13	252.13	-90.35	-1,210.93	-8,543.31	2,025.21	1,669.17	356.03	9.965		10.342
18,900.00	7,257.77	7,271.77	7,271.77	338.98	252.13	-90.37	-1,210.93	-8,543.31	2,121.05	1,768.31	352.74	10.719		
19,000.00	7,257.96	7,271.96	7,271.96	341.82	252.14	-90.39	-1,210.93	-8,543.31	2,217.26	1,867.52	349.74	11.076		11.593
19,022.43	7,258.00	7,272.00	7,272.00	342.46	252.14	-90.39	-1,210.93	-8,543.31	2,238.88	1,889.78	349.11	11.950		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	26.00	26.00	3.28	3.31	-79.98	1,488.90	-8,426.97	8,557.49					
100.00	100.00	126.00	126.00	3.28	4.22	-79.98	1,488.90	-8,426.97	8,557.49	8,549.99	7.50	1,140.478		
200.00	200.00	226.00	226.00	3.34	6.96	-79.98	1,488.90	-8,426.97	8,557.49	8,547.19	10.30	830.672		
300.00	300.00	326.00	326.00	3.44	10.18	-79.98	1,488.90	-8,426.97	8,557.49	8,543.87	13.62	628.162		
400.00	399.98	425.98	425.98	3.60	13.53	164.01	1,488.90	-8,426.97	8,559.17	8,542.04	17.13	499.742		
500.00	499.84	525.84	525.84	3.79	16.93	164.00	1,488.90	-8,426.97	8,564.20	8,543.47	20.73	413.213		
600.00	599.45	625.45	625.45	4.03	20.36	163.97	1,488.90	-8,426.97	8,572.58	8,548.19	24.39	351.542		
700.00	698.70	724.70	724.70	4.30	23.78	163.92	1,488.90	-8,426.97	8,584.29	8,556.21	28.08	305.663		
800.00	797.47	823.47	823.47	4.61	27.20	163.87	1,488.90	-8,426.97	8,599.34	8,567.53	31.81	270.366		
900.00	895.62	921.62	921.62	4.96	30.60	163.80	1,488.90	-8,426.97	8,617.69	8,582.15	35.54	242.476		
939.50	934.20	960.20	960.20	5.10	31.94	163.77	1,488.90	-8,426.97	8,625.85	8,588.83	37.02	233.007		
1,000.00	993.20	1,019.20	1,019.20	5.33	33.99	163.79	1,488.90	-8,426.97	8,638.73	8,599.45	39.28	219.924		
1,100.00	1,090.72	1,116.72	1,116.72	5.73	37.38	163.83	1,488.90	-8,426.97	8,660.03	8,617.00	43.03	201.249		
1,200.00	1,188.24	1,214.24	1,214.24	6.15	40.78	163.87	1,488.90	-8,426.97	8,681.34	8,634.54	46.80	185.496		
1,300.00	1,285.76	1,311.76	1,311.76	6.59	44.17	163.91	1,488.90	-8,426.97	8,702.65	8,652.06	50.58	172.040		
1,400.00	1,383.28	1,409.28	1,409.28	7.04	47.57	163.95	1,488.90	-8,426.97	8,723.96	8,669.58	54.38	160.422		
1,500.00	1,480.80	1,506.80	1,506.80	7.50	50.96	163.99	1,488.90	-8,426.97	8,745.28	8,687.09	58.19	150.293		
1,600.00	1,578.31	1,604.31	1,604.31	7.96	54.36	164.03	1,488.90	-8,426.97	8,766.60	8,704.59	62.00	141.389		
1,700.00	1,675.83	1,701.83	1,701.83	8.44	57.76	164.07	1,488.90	-8,426.97	8,787.92	8,722.10	65.83	133.503		
1,800.00	1,773.35	1,800.65	1,799.35	8.92	61.20	164.11	1,488.90	-8,426.97	8,809.25	8,739.55	69.70	126.389		
1,900.00	1,870.87	1,903.13	1,896.87	9.40	64.78	164.15	1,488.90	-8,426.97	8,830.59	8,756.88	73.71	119.808		
2,000.00	1,968.39	2,005.61	1,994.39	9.89	68.35	164.19	1,488.90	-8,426.97	8,851.92	8,774.21	77.72	113.899		
2,100.00	2,065.91	2,108.09	2,091.91	10.39	71.92	164.23	1,488.90	-8,426.97	8,873.26	8,791.53	81.73	108.565		
2,200.00	2,163.43	2,189.43	2,189.43	10.88	74.76	164.27	1,488.90	-8,426.97	8,894.61	8,809.60	85.01	104.627		
2,300.00	2,260.95	2,286.95	2,286.95	11.38	78.16	164.31	1,488.90	-8,426.97	8,915.96	8,827.10	88.86	100.336		
2,400.00	2,358.46	2,384.46	2,384.46	11.89	81.56	164.35	1,488.90	-8,426.97	8,937.31	8,844.60	92.71	96.399		
2,500.00	2,455.98	2,481.98	2,481.98	12.39	84.96	164.38	1,488.90	-8,426.97	8,958.67	8,862.10	96.56	92.774		
2,600.00	2,553.50	2,579.50	2,579.50	12.89	88.37	164.42	1,488.90	-8,426.97	8,980.03	8,879.61	100.42	89.425		
2,700.00	2,651.02	2,677.02	2,677.02	13.40	91.77	164.46	1,488.90	-8,426.97	9,001.39	8,897.12	104.28	86.323		
2,800.00	2,748.54	2,774.54	2,774.54	13.91	95.17	164.50	1,488.90	-8,426.97	9,022.76	8,914.63	108.13	83.441		
2,900.00	2,846.06	2,872.06	2,872.06	14.42	98.57	164.53	1,488.90	-8,426.97	9,044.13	8,932.14	111.99	80.756		
3,000.00	2,943.58	2,969.58	2,969.58	14.93	101.98	164.57	1,488.90	-8,426.97	9,065.51	8,949.65	115.85	78.249		
3,100.00	3,041.10	3,067.10	3,067.10	15.45	105.38	164.61	1,488.90	-8,426.97	9,086.89	8,967.17	119.72	75.904		
3,200.00	3,138.61	3,164.61	3,164.61	15.96	108.78	164.65	1,488.90	-8,426.97	9,108.27	8,984.69	123.58	73.704		
3,300.00	3,236.13	3,262.13	3,262.13	16.47	112.18	164.68	1,488.90	-8,426.97	9,129.66	9,002.21	127.44	71.637		
3,400.00	3,333.65	3,359.65	3,359.65	16.99	115.59	164.72	1,488.90	-8,426.97	9,151.05	9,019.74	131.31	69.691		
3,500.00	3,431.17	3,457.17	3,457.17	17.50	118.99	164.76	1,488.90	-8,426.97	9,172.44	9,037.27	135.17	67.857		
3,600.00	3,528.69	3,554.69	3,554.69	18.02	122.39	164.79	1,488.90	-8,426.97	9,193.84	9,054.80	139.04	66.124		
3,700.00	3,626.21	3,652.21	3,652.21	18.54	125.80	164.83	1,488.90	-8,426.97	9,215.24	9,072.33	142.91	64.484		
3,800.00	3,723.73	3,749.73	3,749.73	19.06	129.20	164.86	1,488.90	-8,426.97	9,236.64	9,089.87	146.77	62.931		
3,900.00	3,821.25	3,847.25	3,847.25	19.57	132.60	164.90	1,488.90	-8,426.97	9,258.05	9,107.41	150.64	61.457		
4,000.00	3,918.77	3,944.77	3,944.77	20.09	136.01	164.94	1,488.90	-8,426.97	9,279.46	9,124.95	154.51	60.057		
4,100.00	4,016.28	4,042.28	4,042.28	20.61	139.41	164.97	1,488.90	-8,426.97	9,300.87	9,142.49	158.38	58.725		
4,200.00	4,113.80	4,139.80	4,139.80	21.13	142.81	165.01	1,488.90	-8,426.97	9,322.29	9,160.04	162.25	57.457		
4,300.00	4,211.32	4,237.32	4,237.32	21.65	146.22	165.04	1,488.90	-8,426.97	9,343.71	9,177.59	166.12	56.247		
4,400.00	4,308.84	4,334.84	4,334.84	22.17	149.62	165.08	1,488.90	-8,426.97	9,365.14	9,195.15	169.99	55.093		
4,500.00	4,406.36	4,432.36	4,432.36	22.69	153.02	165.11	1,488.90	-8,426.97	9,386.56	9,212.70	173.86	53.989		
4,600.00	4,503.88	4,529.88	4,529.88	23.21	156.43	165.14	1,488.90	-8,426.97	9,407.99	9,230.26	177.73	52.934		
4,700.00	4,601.40	4,627.40	4,627.40	23.73	159.83	165.18	1,488.90	-8,426.97	9,429.43	9,247.83	181.60	51.924		
4,800.00	4,698.92	4,724.92	4,724.92	24.26	163.23	165.21	1,488.90	-8,426.97	9,450.87	9,265.39	185.47	50.955		
4,900.00	4,796.43	4,822.43	4,822.43	24.78	166.64	165.25	1,488.90	-8,426.97	9,472.31	9,282.96	189.35	50.027		
5,000.00	4,893.95	4,919.95	4,919.95	25.30	170.04	165.28	1,488.90	-8,426.97	9,493.75	9,300.53	193.22	49.135		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,017.47	5,017.47	25.82	173.45	165.32	1,488.90	-8,426.97	9,515.20	9,318.11	197.09	48.279		
5,200.00	5,088.99	5,114.99	5,114.99	26.34	176.85	165.35	1,488.90	-8,426.97	9,536.65	9,335.68	200.96	47.455		
5,300.00	5,186.51	5,212.51	5,212.51	26.87	180.25	165.38	1,488.90	-8,426.97	9,558.10	9,353.27	204.83	46.663		
5,400.00	5,284.03	5,310.03	5,310.03	27.39	183.66	165.42	1,488.90	-8,426.97	9,579.56	9,370.85	208.71	45.900		
5,500.00	5,381.55	5,407.55	5,407.55	27.91	187.06	165.45	1,488.90	-8,426.97	9,601.02	9,388.44	212.58	45.164		
5,600.00	5,479.07	5,505.07	5,505.07	28.43	190.46	165.48	1,488.90	-8,426.97	9,622.48	9,406.02	216.45	44.455		
5,700.00	5,576.58	5,602.58	5,602.58	28.96	193.87	165.52	1,488.90	-8,426.97	9,643.94	9,423.62	220.33	43.771		
5,800.00	5,674.10	5,700.10	5,700.10	29.48	197.27	165.55	1,488.90	-8,426.97	9,665.41	9,441.21	224.20	43.111		
5,900.00	5,771.62	5,802.38	5,797.62	30.00	200.84	165.58	1,488.90	-8,426.97	9,686.88	9,458.64	228.24	42.442		
6,000.00	5,869.14	5,904.86	5,895.14	30.53	204.42	165.61	1,488.90	-8,426.97	9,708.36	9,476.07	232.29	41.795		
6,100.00	5,966.66	6,007.34	5,992.66	31.05	208.00	165.65	1,488.90	-8,426.97	9,729.84	9,493.50	236.33	41.170		
6,200.00	6,064.18	6,109.82	6,090.18	31.58	211.57	165.68	1,488.90	-8,426.97	9,751.32	9,510.94	240.38	40.566		
6,300.00	6,161.70	6,187.70	6,187.70	32.10	214.29	165.71	1,488.90	-8,426.97	9,772.80	9,529.23	243.57	40.123		
6,400.00	6,259.22	6,285.22	6,285.22	32.62	217.70	165.74	1,488.90	-8,426.97	9,794.29	9,546.84	247.44	39.582		
6,500.00	6,356.74	6,382.74	6,382.74	33.15	221.10	165.77	1,488.90	-8,426.97	9,815.78	9,564.46	251.32	39.057		
6,600.00	6,454.25	6,480.25	6,480.25	33.67	224.50	165.81	1,488.90	-8,426.97	9,837.27	9,582.08	255.19	38.548		
6,623.48	6,477.15	6,503.15	6,503.15	33.80	225.30	165.81	1,488.90	-8,426.97	9,842.31	9,586.21	256.10	38.431		
6,650.00	6,503.12	6,529.12	6,529.12	33.93	226.21	160.13	1,488.90	-8,426.97	9,847.49	9,590.35	257.13	38.297		
6,700.00	6,552.50	6,578.50	6,578.50	34.16	227.93	141.13	1,488.90	-8,426.97	9,854.34	9,595.26	259.08	38.036		
6,750.00	6,602.21	6,628.21	6,628.21	34.36	229.67	103.06	1,488.90	-8,426.97	9,857.37	9,596.35	261.02	37.764		
6,800.00	6,651.92	6,677.92	6,677.92	34.54	231.40	64.18	1,488.90	-8,426.97	9,856.57	9,593.62	262.94	37.485		
6,850.00	6,701.33	6,727.33	6,727.33	34.70	233.13	44.65	1,488.90	-8,426.97	9,851.93	9,587.10	264.83	37.201		
6,900.00	6,750.14	6,776.14	6,776.14	34.86	234.83	35.37	1,488.90	-8,426.97	9,843.49	9,576.82	266.68	36.912		
6,950.00	6,798.04	6,824.04	6,824.04	35.02	236.51	30.38	1,488.90	-8,426.97	9,831.31	9,562.84	268.47	36.620		
7,000.00	6,844.75	6,870.75	6,870.75	35.19	238.14	27.48	1,488.90	-8,426.97	9,815.46	9,545.25	270.20	36.326		
7,050.00	6,889.97	6,915.97	6,915.97	35.37	239.71	25.75	1,488.90	-8,426.97	9,796.03	9,524.16	271.87	36.032		
7,100.00	6,933.42	6,959.42	6,959.42	35.57	241.23	24.78	1,488.90	-8,426.97	9,773.16	9,499.71	273.45	35.740		
7,150.00	6,974.83	7,000.83	7,000.83	35.79	242.68	24.37	1,488.90	-8,426.97	9,746.97	9,472.03	274.95	35.450		
7,200.00	7,013.96	7,039.96	7,039.96	36.02	244.04	24.40	1,488.90	-8,426.97	9,717.65	9,441.30	276.35	35.165		
7,250.00	7,050.56	7,076.56	7,076.56	36.28	245.32	24.85	1,488.90	-8,426.97	9,685.36	9,407.71	277.65	34.884		
7,300.00	7,084.39	7,110.39	7,110.39	36.57	246.50	25.73	1,488.90	-8,426.97	9,650.31	9,371.46	278.84	34.609		
7,350.00	7,115.27	7,141.27	7,141.27	36.89	247.58	27.07	1,488.90	-8,426.97	9,612.71	9,332.79	279.92	34.340		
7,400.00	7,142.99	7,168.99	7,168.99	37.25	248.55	28.99	1,488.90	-8,426.97	9,572.80	9,291.91	280.89	34.080		
7,450.00	7,167.38	7,206.62	7,193.38	37.65	249.86	31.63	1,488.90	-8,426.97	9,530.83	9,248.63	282.20	33.773		
7,500.00	7,188.30	7,214.30	7,214.30	38.08	250.13	35.28	1,488.90	-8,426.97	9,487.06	9,204.59	282.46	33.587		
7,550.00	7,205.61	7,231.61	7,231.61	38.55	250.73	40.33	1,488.90	-8,426.97	9,441.74	9,158.68	283.06	33.356		
7,600.00	7,219.20	7,245.20	7,245.20	39.06	251.21	47.45	1,488.90	-8,426.97	9,395.18	9,111.64	283.54	33.135		
7,650.00	7,229.00	7,255.00	7,255.00	39.61	251.55	57.56	1,488.90	-8,426.97	9,347.64	9,063.75	283.89	32.927		
7,700.00	7,234.95	7,260.95	7,260.95	40.18	251.76	71.63	1,488.90	-8,426.97	9,299.43	9,015.31	284.11	32.731		
7,750.07	7,237.00	7,263.00	7,263.00	40.78	251.83	89.54	1,488.90	-8,426.97	9,250.77	8,966.56	284.21	32.549		
7,800.00	7,237.09	7,263.09	7,263.09	41.41	251.83	89.55	1,488.90	-8,426.97	9,202.16	8,917.91	284.25	32.373		
7,900.00	7,237.28	7,263.28	7,263.28	42.79	251.84	89.55	1,488.90	-8,426.97	9,104.85	8,820.51	284.34	32.021		
8,000.00	7,237.47	7,263.47	7,263.47	44.31	251.84	89.56	1,488.90	-8,426.97	9,007.60	8,723.15	284.45	31.667		
8,100.00	7,237.65	7,263.65	7,263.65	45.97	251.85	89.56	1,488.90	-8,426.97	8,910.41	8,625.83	284.58	31.311		
8,200.00	7,237.84	7,263.84	7,263.84	47.75	251.86	89.57	1,488.90	-8,426.97	8,813.28	8,528.56	284.72	30.954		
8,300.00	7,238.02	7,264.02	7,264.02	49.63	251.86	89.57	1,488.90	-8,426.97	8,716.22	8,431.33	284.89	30.595		
8,400.00	7,238.21	7,264.21	7,264.21	51.61	251.87	89.58	1,488.90	-8,426.97	8,619.23	8,334.14	285.09	30.234		
8,500.00	7,238.40	7,264.40	7,264.40	53.66	251.88	89.58	1,488.90	-8,426.97	8,522.30	8,237.00	285.30	29.871		
8,600.00	7,238.58	7,264.58	7,264.58	55.79	251.88	89.59	1,488.90	-8,426.97	8,425.45	8,139.91	285.54	29.507		
8,700.00	7,238.77	7,264.77	7,264.77	57.99	251.89	89.59	1,488.90	-8,426.97	8,328.67	8,042.86	285.81	29.141		
8,800.00	7,238.96	7,264.96	7,264.96	60.24	251.90	89.60	1,488.90	-8,426.97	8,231.97	7,945.87	286.10	28.773		
8,900.00	7,239.14	7,265.14	7,265.14	62.54	251.90	89.60	1,488.90	-8,426.97	8,135.34	7,848.92	286.42	28.403		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,265.33	7,265.33	64.88	251.91	89.61	1,488.90	-8,426.97	8,038.81	7,752.03	286.77	28.032		
9,100.00	7,239.52	7,265.52	7,265.52	67.27	251.92	89.61	1,488.90	-8,426.97	7,942.35	7,655.20	287.15	27.659		
9,200.00	7,239.70	7,265.70	7,265.70	69.69	251.92	89.62	1,488.90	-8,426.97	7,845.99	7,558.42	287.56	27.285		
9,300.00	7,239.89	7,265.89	7,265.89	72.15	251.93	89.62	1,488.90	-8,426.97	7,749.71	7,461.71	288.00	26.908		
9,400.00	7,240.07	7,266.07	7,266.07	74.63	251.93	89.63	1,488.90	-8,426.97	7,653.54	7,365.05	288.48	26.530		
9,500.00	7,240.26	7,266.26	7,266.26	77.14	251.94	89.63	1,488.90	-8,426.97	7,557.46	7,268.47	288.99	26.151		
9,600.00	7,240.45	7,266.45	7,266.45	79.68	251.95	89.64	1,488.90	-8,426.97	7,461.48	7,171.94	289.54	25.770		
9,700.00	7,240.63	7,266.63	7,266.63	82.23	251.95	89.64	1,488.90	-8,426.97	7,365.61	7,075.49	290.12	25.388		
9,800.00	7,240.82	7,266.82	7,266.82	84.81	251.96	89.65	1,488.90	-8,426.97	7,269.86	6,979.12	290.74	25.005		
9,900.00	7,241.01	7,267.01	7,267.01	87.40	251.97	89.65	1,488.90	-8,426.97	7,174.22	6,882.81	291.40	24.620		
10,000.00	7,241.19	7,267.19	7,267.19	90.01	251.97	89.66	1,488.90	-8,426.97	7,078.70	6,786.59	292.10	24.234		
10,100.00	7,241.38	7,267.38	7,267.38	92.64	251.98	89.66	1,488.90	-8,426.97	6,983.30	6,690.46	292.84	23.846		
10,200.00	7,241.56	7,267.56	7,267.56	95.28	251.99	89.67	1,488.90	-8,426.97	6,888.04	6,594.41	293.63	23.458		
10,300.00	7,241.75	7,267.75	7,267.75	97.93	251.99	89.67	1,488.90	-8,426.97	6,792.91	6,498.45	294.46	23.069		
10,400.00	7,241.94	7,267.94	7,267.94	100.59	252.00	89.68	1,488.90	-8,426.97	6,697.92	6,402.59	295.33	22.679		
10,500.00	7,242.12	7,268.12	7,268.12	103.26	252.01	89.68	1,488.90	-8,426.97	6,603.08	6,306.83	296.26	22.288		
10,600.00	7,242.31	7,268.31	7,268.31	105.95	252.01	89.69	1,488.90	-8,426.97	6,508.40	6,211.17	297.23	21.897		
10,700.00	7,242.50	7,268.50	7,268.50	108.64	252.02	89.69	1,488.90	-8,426.97	6,413.88	6,115.63	298.25	21.505		
10,800.00	7,242.68	7,268.68	7,268.68	111.34	252.03	89.70	1,488.90	-8,426.97	6,319.52	6,020.20	299.32	21.113		
10,900.00	7,242.87	7,268.87	7,268.87	114.05	252.03	89.70	1,488.90	-8,426.97	6,225.34	5,924.90	300.45	20.720		
11,000.00	7,243.05	7,269.05	7,269.05	116.76	252.04	89.71	1,488.90	-8,426.97	6,131.35	5,829.72	301.63	20.328		
11,100.00	7,243.24	7,269.24	7,269.24	119.49	252.05	89.71	1,488.90	-8,426.97	6,037.55	5,734.69	302.86	19.935		
11,200.00	7,243.43	7,269.43	7,269.43	122.22	252.05	89.72	1,488.90	-8,426.97	5,943.95	5,639.79	304.16	19.542		
11,300.00	7,243.61	7,269.61	7,269.61	124.95	252.06	89.72	1,488.90	-8,426.97	5,850.57	5,545.05	305.51	19.150		
11,400.00	7,243.80	7,269.80	7,269.80	127.69	252.07	89.73	1,488.90	-8,426.97	5,757.40	5,450.47	306.93	18.758		
11,500.00	7,243.99	7,269.99	7,269.99	130.44	252.07	89.73	1,488.90	-8,426.97	5,664.47	5,356.06	308.41	18.366		
11,600.00	7,244.17	7,270.17	7,270.17	133.19	252.08	89.74	1,488.90	-8,426.97	5,571.78	5,261.82	309.96	17.976		
11,700.00	7,244.36	7,270.36	7,270.36	135.94	252.08	89.74	1,488.90	-8,426.97	5,479.35	5,167.77	311.58	17.586		
11,800.00	7,244.55	7,270.55	7,270.55	138.70	252.09	89.75	1,488.90	-8,426.97	5,387.20	5,073.92	313.27	17.196		
11,900.00	7,244.73	7,270.73	7,270.73	141.47	252.10	89.75	1,488.90	-8,426.97	5,295.32	4,980.28	315.04	16.809		
12,000.00	7,244.92	7,270.92	7,270.92	144.24	252.10	89.76	1,488.90	-8,426.97	5,203.75	4,886.87	316.88	16.422		
12,100.00	7,245.10	7,271.10	7,271.10	147.01	252.11	89.76	1,488.90	-8,426.97	5,112.49	4,793.68	318.80	16.036		
12,200.00	7,245.29	7,271.29	7,271.29	149.78	252.12	89.77	1,488.90	-8,426.97	5,021.56	4,700.75	320.81	15.653		
12,300.00	7,245.48	7,271.48	7,271.48	152.56	252.12	89.77	1,488.90	-8,426.97	4,930.99	4,608.08	322.90	15.271		
12,400.00	7,245.66	7,271.66	7,271.66	155.34	252.13	89.78	1,488.90	-8,426.97	4,840.78	4,515.70	325.09	14.891		
12,500.00	7,245.85	7,271.85	7,271.85	158.12	252.14	89.78	1,488.90	-8,426.97	4,750.97	4,423.61	327.36	14.513		
12,600.00	7,246.04	7,272.04	7,272.04	160.91	252.14	89.79	1,488.90	-8,426.97	4,661.58	4,331.84	329.74	14.137		
12,700.00	7,246.22	7,272.22	7,272.22	163.70	252.15	89.79	1,488.90	-8,426.97	4,572.62	4,240.41	332.21	13.764		
12,800.00	7,246.41	7,272.41	7,272.41	166.49	252.16	89.80	1,488.90	-8,426.97	4,484.13	4,149.33	334.79	13.394		
12,900.00	7,246.59	7,272.59	7,272.59	169.28	252.16	89.80	1,488.90	-8,426.97	4,396.13	4,058.64	337.49	13.026		
13,000.00	7,246.78	7,272.78	7,272.78	172.08	252.17	89.81	1,488.90	-8,426.97	4,308.65	3,968.36	340.30	12.662		
13,100.00	7,246.97	7,272.97	7,272.97	174.88	252.18	89.81	1,488.90	-8,426.97	4,221.74	3,878.51	343.22	12.300		
13,200.00	7,247.15	7,273.15	7,273.15	177.68	252.18	89.82	1,488.90	-8,426.97	4,135.41	3,789.13	346.28	11.943		
13,300.00	7,247.34	7,273.34	7,273.34	180.48	252.19	89.83	1,488.90	-8,426.97	4,049.71	3,700.25	349.46	11.589		
13,400.00	7,247.53	7,273.53	7,273.53	183.28	252.20	89.83	1,488.90	-8,426.97	3,964.68	3,611.91	352.78	11.239		
13,500.00	7,247.71	7,273.71	7,273.71	186.09	252.20	89.84	1,488.90	-8,426.97	3,880.37	3,524.13	356.24	10.893		
13,600.00	7,247.90	7,273.90	7,273.90	188.90	252.21	89.84	1,488.90	-8,426.97	3,796.81	3,436.97	359.84	10.551		
13,700.00	7,248.08	7,274.08	7,274.08	191.70	252.21	89.85	1,488.90	-8,426.97	3,714.08	3,350.48	363.60	10.215		
13,800.00	7,248.27	7,274.27	7,274.27	194.52	252.22	89.85	1,488.90	-8,426.97	3,632.20	3,264.69	367.51	9.883		
13,900.00	7,248.46	7,274.46	7,274.46	197.33	252.23	89.86	1,488.90	-8,426.97	3,551.26	3,179.67	371.59	9.557		
14,000.00	7,248.64	7,274.64	7,274.64	200.14	252.23	89.86	1,488.90	-8,426.97	3,471.31	3,095.47	375.84	9.236		
14,100.00	7,248.83	7,274.83	7,274.83	202.95	252.24	89.87	1,488.90	-8,426.97	3,392.43	3,012.16	380.26	8.921		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	7,275.02	7,275.02	205.77	252.25	89.87	1,488.90	-8,426.97	3,314.68	2,929.82	384.86	8.613		
14,300.00	7,249.20	7,275.20	7,275.20	208.59	252.25	89.88	1,488.90	-8,426.97	3,238.16	2,848.51	389.64	8.311		
14,400.00	7,249.39	7,275.39	7,275.39	211.41	252.26	89.88	1,488.90	-8,426.97	3,162.94	2,768.33	394.61	8.015		
14,500.00	7,249.58	7,275.58	7,275.58	214.23	252.27	89.89	1,488.90	-8,426.97	3,089.14	2,689.37	399.77	7.727		
14,600.00	7,249.76	7,275.76	7,275.76	217.05	252.27	89.89	1,488.90	-8,426.97	3,016.84	2,611.72	405.11	7.447		
14,700.00	7,249.95	7,275.95	7,275.95	219.87	252.28	89.90	1,488.90	-8,426.97	2,946.16	2,535.51	410.65	7.174		
14,800.00	7,250.13	7,276.13	7,276.13	222.69	252.29	89.90	1,488.90	-8,426.97	2,877.22	2,460.86	416.37	6.910		
14,900.00	7,250.32	7,276.32	7,276.32	225.51	252.29	89.91	1,488.90	-8,426.97	2,810.15	2,387.89	422.27	6.655		
15,000.00	7,250.51	7,276.51	7,276.51	228.34	252.30	89.91	1,488.90	-8,426.97	2,745.09	2,316.75	428.34	6.409		
15,100.00	7,250.69	7,276.69	7,276.69	231.16	252.31	89.92	1,488.90	-8,426.97	2,682.17	2,247.60	434.57	6.172		
15,200.00	7,250.88	7,276.88	7,276.88	233.99	252.31	89.92	1,488.90	-8,426.97	2,621.57	2,180.62	440.95	5.945		
15,300.00	7,251.07	7,277.07	7,277.07	236.82	252.32	89.93	1,488.90	-8,426.97	2,563.43	2,115.97	447.46	5.729		
15,400.00	7,251.25	7,277.25	7,277.25	239.65	252.33	89.93	1,488.90	-8,426.97	2,507.93	2,053.87	454.06	5.523		
15,500.00	7,251.44	7,277.44	7,277.44	242.47	252.33	89.94	1,488.90	-8,426.97	2,455.25	1,994.51	460.74	5.329		
15,600.00	7,251.62	7,277.62	7,277.62	245.30	252.34	89.94	1,488.90	-8,426.97	2,405.58	1,938.12	467.46	5.146		
15,700.00	7,251.81	7,277.81	7,277.81	248.13	252.34	89.95	1,488.90	-8,426.97	2,359.10	1,884.93	474.17	4.975		
15,800.00	7,252.00	7,278.00	7,278.00	250.97	252.35	89.95	1,488.90	-8,426.97	2,316.01	1,835.18	480.83	4.817		
15,900.00	7,252.18	7,278.18	7,278.18	253.80	252.36	89.96	1,488.90	-8,426.97	2,276.50	1,789.12	487.38	4.671		
16,000.00	7,252.37	7,278.37	7,278.37	256.63	252.36	89.96	1,488.90	-8,426.97	2,240.76	1,746.99	493.77	4.538		
16,100.00	7,252.56	7,278.56	7,278.56	259.46	252.37	89.97	1,488.90	-8,426.97	2,208.97	1,709.04	499.94	4.419		
16,200.00	7,252.74	7,278.74	7,278.74	262.30	252.38	89.97	1,488.90	-8,426.97	2,181.31	1,675.50	505.81	4.312		
16,300.00	7,252.93	7,278.93	7,278.93	265.13	252.38	89.98	1,488.90	-8,426.97	2,157.93	1,646.59	511.34	4.220		
16,400.00	7,253.11	7,279.11	7,279.11	267.96	252.39	89.98	1,488.90	-8,426.97	2,138.97	1,622.52	516.45	4.142		
16,500.00	7,253.30	7,279.30	7,279.30	270.80	252.40	89.99	1,488.90	-8,426.97	2,124.56	1,603.47	521.09	4.077		
16,600.00	7,253.49	7,279.49	7,279.49	273.64	252.40	89.99	1,488.90	-8,426.97	2,114.78	1,589.58	525.20	4.027		
16,700.00	7,253.67	7,279.67	7,279.67	276.47	252.41	90.00	1,488.90	-8,426.97	2,109.70	1,580.96	528.74	3.990		
16,757.26	7,253.78	7,279.78	7,279.78	278.10	252.41	90.00	1,488.90	-8,426.97	2,108.93	1,578.42	530.51	3.975 CC		
16,800.00	7,253.86	7,279.86	7,279.86	279.31	252.42	90.00	1,488.90	-8,426.97	2,109.36	1,577.67	531.69	3.967 ES		
16,900.00	7,254.05	7,280.05	7,280.05	282.15	252.42	90.01	1,488.90	-8,426.97	2,113.75	1,579.73	534.02	3.958 SF		
17,000.00	7,254.23	7,280.23	7,280.23	284.98	252.43	90.01	1,488.90	-8,426.97	2,122.85	1,587.14	535.71	3.963		
17,100.00	7,254.42	7,280.42	7,280.42	287.82	252.44	90.02	1,488.90	-8,426.97	2,136.60	1,599.81	536.79	3.980		
17,200.00	7,254.61	7,280.61	7,280.61	290.66	252.44	90.02	1,488.90	-8,426.97	2,154.90	1,617.64	537.26	4.011		
17,300.00	7,254.79	7,280.79	7,280.79	293.50	252.45	90.03	1,488.90	-8,426.97	2,177.65	1,640.50	537.14	4.054		
17,400.00	7,254.98	7,280.98	7,280.98	296.34	252.46	90.03	1,488.90	-8,426.97	2,204.70	1,668.21	536.49	4.110		
17,500.00	7,255.16	7,281.16	7,281.16	299.18	252.46	90.04	1,488.90	-8,426.97	2,235.90	1,700.57	535.33	4.177		
17,600.00	7,255.35	7,281.35	7,281.35	302.02	252.47	90.04	1,488.90	-8,426.97	2,271.08	1,737.35	533.72	4.255		
17,700.00	7,255.54	7,281.54	7,281.54	304.86	252.47	90.05	1,488.90	-8,426.97	2,310.05	1,778.34	531.71	4.345		
17,800.00	7,255.72	7,281.72	7,281.72	307.70	252.48	90.05	1,488.90	-8,426.97	2,352.63	1,823.28	529.35	4.444		
17,900.00	7,255.91	7,281.91	7,281.91	310.54	252.49	90.06	1,488.90	-8,426.97	2,398.63	1,871.93	526.70	4.554		
18,000.00	7,256.10	7,282.10	7,282.10	313.39	252.49	90.06	1,488.90	-8,426.97	2,447.85	1,924.06	523.79	4.673		
18,100.00	7,256.28	7,282.28	7,282.28	316.23	252.50	90.07	1,488.90	-8,426.97	2,500.11	1,979.43	520.68	4.802		
18,200.00	7,256.47	7,282.47	7,282.47	319.07	252.51	90.07	1,488.90	-8,426.97	2,555.21	2,037.80	517.41	4.938		
18,300.00	7,256.65	7,282.65	7,282.65	321.91	252.51	90.08	1,488.90	-8,426.97	2,612.97	2,098.95	514.02	5.083		
18,400.00	7,256.84	7,282.84	7,282.84	324.76	252.52	90.08	1,488.90	-8,426.97	2,673.23	2,162.69	510.54	5.236		
18,500.00	7,257.03	7,283.03	7,283.03	327.60	252.53	90.09	1,488.90	-8,426.97	2,735.82	2,228.81	507.01	5.396		
18,600.00	7,257.21	7,283.21	7,283.21	330.44	252.53	90.09	1,488.90	-8,426.97	2,800.58	2,297.14	503.44	5.563		
18,700.00	7,257.40	7,283.40	7,283.40	333.29	252.54	90.10	1,488.90	-8,426.97	2,867.37	2,367.50	499.87	5.736		
18,800.00	7,257.59	7,283.59	7,283.59	336.13	252.55	90.10	1,488.90	-8,426.97	2,936.04	2,439.73	496.31	5.916		
18,900.00	7,257.77	7,283.77	7,283.77	338.98	252.55	90.11	1,488.90	-8,426.97	3,006.48	2,513.69	492.78	6.101		
19,000.00	7,257.96	7,283.96	7,283.96	341.82	252.56	90.11	1,488.90	-8,426.97	3,078.55	2,589.25	489.30	6.292		
19,022.43	7,258.00	7,284.00	7,284.00	342.46	252.56	90.11	1,488.90	-8,426.97	3,094.92	2,606.40	488.52	6.335		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-167.20	-2,726.09	-619.11	2,795.53					
100.00	100.00	83.33	83.33	3.28	3.28	-167.21	-2,726.21	-619.13	2,795.64	2,789.07	6.57	425.541		
200.00	200.00	188.38	188.38	3.34	3.33	-167.21	-2,726.47	-619.04	2,795.86	2,789.19	6.67	419.158		
300.00	300.00	282.32	282.32	3.44	3.43	-167.21	-2,726.67	-618.87	2,796.04	2,789.17	6.87	406.843		
400.00	399.98	381.71	381.71	3.60	3.57	76.82	-2,727.01	-618.96	2,795.99	2,788.81	7.17	389.821		
500.00	499.84	484.28	484.28	3.79	3.77	76.95	-2,727.27	-619.15	2,795.09	2,787.52	7.56	369.587		
600.00	599.45	582.88	582.88	4.03	4.00	77.16	-2,727.49	-619.23	2,793.37	2,785.35	8.02	348.129		
700.00	698.70	693.81	693.81	4.30	4.29	77.48	-2,727.62	-619.16	2,790.78	2,782.19	8.59	325.049		
800.00	797.47	784.80	784.80	4.61	4.54	77.83	-2,727.60	-619.12	2,787.36	2,778.21	9.15	304.513		
900.00	895.62	879.30	879.29	4.96	4.83	78.27	-2,727.76	-619.34	2,783.56	2,773.77	9.78	284.479		
939.50	934.20	921.10	921.09	5.10	4.97	78.48	-2,727.85	-619.40	2,781.91	2,771.85	10.06	276.486		
1,000.00	993.20	992.92	992.92	5.33	5.20	78.81	-2,727.80	-619.37	2,779.16	2,768.63	10.53	264.049		
1,100.00	1,090.72	1,080.79	1,080.79	5.73	5.50	79.20	-2,727.65	-619.30	2,774.66	2,763.44	11.22	247.303		
1,200.00	1,188.24	1,175.78	1,175.78	6.15	5.83	79.63	-2,727.75	-619.38	2,770.61	2,758.64	11.97	231.485		
1,300.00	1,285.76	1,271.33	1,271.32	6.59	6.17	80.06	-2,727.89	-619.41	2,766.76	2,754.02	12.75	217.085		
1,400.00	1,383.28	1,370.43	1,370.43	7.04	6.53	80.51	-2,728.09	-619.37	2,763.13	2,749.57	13.55	203.853		
1,500.00	1,480.80	1,468.58	1,468.57	7.50	6.90	80.95	-2,728.24	-619.26	2,759.59	2,745.21	14.38	191.935		
1,600.00	1,578.31	1,567.75	1,567.74	7.96	7.28	81.40	-2,728.38	-619.15	2,756.21	2,740.99	15.22	181.101		
1,700.00	1,675.83	1,664.17	1,664.16	8.44	7.65	81.83	-2,728.51	-618.92	2,752.95	2,736.89	16.06	171.395		
1,800.00	1,773.35	1,761.98	1,761.97	8.92	8.03	82.28	-2,728.59	-619.04	2,749.93	2,733.01	16.92	162.520		
1,900.00	1,870.87	1,866.45	1,866.44	9.40	8.44	82.75	-2,728.63	-618.87	2,746.97	2,729.16	17.81	154.210		
2,000.00	1,968.39	1,957.05	1,957.05	9.89	8.79	83.17	-2,728.48	-618.92	2,744.05	2,725.39	18.66	147.058		
2,100.00	2,065.91	2,047.90	2,047.90	10.39	9.15	83.59	-2,728.65	-619.21	2,741.72	2,722.21	19.51	140.498		
2,200.00	2,163.43	2,151.73	2,151.72	10.88	9.57	84.08	-2,728.78	-619.64	2,739.55	2,719.12	20.43	134.117		
2,300.00	2,260.95	2,254.81	2,254.80	11.38	9.98	84.56	-2,728.60	-619.98	2,737.25	2,715.91	21.34	128.267		
2,400.00	2,358.46	2,357.99	2,357.98	11.89	10.40	85.04	-2,728.36	-620.13	2,735.02	2,712.76	22.26	122.877		
2,500.00	2,455.98	2,458.93	2,458.92	12.39	10.81	85.51	-2,727.98	-619.93	2,732.72	2,709.55	23.17	117.937		
2,600.00	2,553.50	2,556.83	2,556.82	12.89	11.21	85.96	-2,727.61	-619.71	2,730.59	2,706.51	24.08	113.418		
2,700.00	2,651.02	2,652.37	2,652.36	13.40	11.60	86.40	-2,727.24	-619.50	2,728.63	2,703.65	24.97	109.259		
2,800.00	2,748.54	2,744.16	2,744.15	13.91	11.97	86.82	-2,727.11	-619.13	2,726.99	2,701.13	25.86	105.450		
2,900.00	2,846.06	2,839.31	2,839.30	14.42	12.36	87.26	-2,727.13	-618.91	2,725.75	2,698.98	26.76	101.847		
3,000.00	2,943.58	2,940.47	2,940.46	14.93	12.78	87.73	-2,726.90	-619.02	2,724.58	2,696.89	27.69	98.386		
3,100.00	3,041.10	3,035.72	3,035.70	15.45	13.17	88.18	-2,726.60	-619.19	2,723.56	2,694.96	28.60	95.228		
3,200.00	3,138.61	3,126.48	3,126.47	15.96	13.55	88.60	-2,726.62	-619.16	2,722.92	2,693.43	29.49	92.330		
3,300.00	3,236.13	3,219.13	3,219.11	16.47	13.93	89.04	-2,726.76	-619.31	2,722.67	2,692.28	30.39	89.586		
3,332.06	3,267.39	3,249.79	3,249.78	16.64	14.06	89.18	-2,726.85	-619.36	2,722.66	2,691.98	30.68	88.730		
3,400.00	3,333.65	3,314.96	3,314.95	16.99	14.33	89.48	-2,727.11	-619.32	2,722.72	2,691.41	31.31	86.968		
3,500.00	3,431.17	3,411.14	3,411.13	17.50	14.73	89.92	-2,727.56	-619.22	2,722.98	2,690.76	32.23	84.499		
3,600.00	3,528.69	3,505.21	3,505.19	18.02	15.13	90.36	-2,728.07	-619.18	2,723.52	2,690.39	33.14	82.193		
3,700.00	3,626.21	3,598.20	3,598.18	18.54	15.52	90.78	-2,728.71	-619.19	2,724.38	2,690.34	34.04	80.029		
3,800.00	3,723.73	3,693.64	3,693.62	19.06	15.92	91.22	-2,729.46	-619.25	2,725.53	2,690.57	34.96	77.960		
3,900.00	3,821.25	3,793.67	3,793.64	19.57	16.33	91.68	-2,730.26	-619.33	2,726.86	2,690.96	35.90	75.958		
4,000.00	3,918.77	3,892.28	3,892.25	20.09	16.75	92.13	-2,731.00	-619.31	2,728.29	2,691.46	36.83	74.071		
4,100.00	4,016.28	3,984.38	3,984.35	20.61	17.14	92.55	-2,731.79	-619.27	2,729.97	2,692.23	37.74	72.338		
4,200.00	4,113.80	4,080.09	4,080.06	21.13	17.54	92.99	-2,732.75	-619.28	2,731.97	2,693.31	38.66	70.664		
4,300.00	4,211.32	4,178.74	4,178.70	21.65	17.95	93.43	-2,733.84	-619.14	2,734.16	2,694.56	39.60	69.049		
4,400.00	4,308.84	4,273.60	4,273.55	22.17	18.35	93.85	-2,734.97	-618.88	2,736.52	2,696.00	40.52	67.541		
4,500.00	4,406.36	4,375.13	4,375.08	22.69	18.78	94.31	-2,736.13	-618.76	2,739.08	2,697.62	41.47	66.056		
4,600.00	4,503.88	4,470.51	4,470.45	23.21	19.18	94.74	-2,736.95	-618.90	2,741.71	2,699.32	42.39	64.681		
4,700.00	4,601.40	4,568.16	4,568.09	23.73	19.60	95.20	-2,737.62	-619.52	2,744.62	2,701.29	43.32	63.355		
4,800.00	4,698.92	4,666.78	4,666.71	24.26	20.01	95.65	-2,738.32	-619.99	2,747.64	2,703.38	44.26	62.081		
4,900.00	4,796.43	4,770.67	4,770.60	24.78	20.45	96.12	-2,739.17	-620.13	2,750.75	2,705.53	45.22	60.830		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,870.86	4,870.79	25.30	20.88	96.56	-2,740.09	-619.68	2,753.80	2,707.63	46.17	59.651		
5,100.00	4,991.47	4,971.21	4,971.13	25.82	21.30	97.00	-2,740.96	-619.22	2,756.97	2,709.86	47.11	58.521		
5,200.00	5,088.99	5,072.97	5,072.88	26.34	21.73	97.46	-2,741.59	-618.89	2,760.17	2,712.10	48.06	57.428		
5,300.00	5,186.51	5,169.71	5,169.63	26.87	22.14	97.89	-2,742.02	-618.66	2,763.45	2,714.46	48.99	56.406		
5,400.00	5,284.03	5,267.32	5,267.24	27.39	22.55	98.32	-2,742.44	-618.57	2,766.96	2,717.03	49.93	55.422		
5,500.00	5,381.55	5,366.47	5,366.38	27.91	22.98	98.77	-2,742.78	-618.52	2,770.59	2,719.72	50.87	54.468		
5,600.00	5,479.07	5,461.29	5,461.20	28.43	23.38	99.19	-2,743.07	-618.51	2,774.38	2,722.59	51.79	53.573		
5,700.00	5,576.58	5,556.69	5,556.60	28.96	23.78	99.62	-2,743.46	-618.59	2,778.48	2,725.77	52.71	52.713		
5,800.00	5,674.10	5,652.47	5,652.38	29.48	24.19	100.05	-2,743.83	-618.75	2,782.77	2,729.14	53.63	51.884		
5,900.00	5,771.62	5,746.84	5,746.75	30.00	24.59	100.48	-2,744.17	-619.11	2,787.34	2,732.79	54.55	51.095		
6,000.00	5,869.14	5,843.29	5,843.20	30.53	25.00	100.91	-2,744.48	-619.68	2,792.17	2,736.69	55.48	50.328		
6,100.00	5,966.66	5,941.44	5,941.35	31.05	25.41	101.36	-2,744.59	-620.47	2,797.15	2,740.74	56.41	49.583		
6,200.00	6,064.18	6,036.40	6,036.29	31.58	25.82	101.80	-2,744.44	-621.61	2,802.33	2,745.00	57.33	48.879		
6,300.00	6,161.70	6,131.09	6,130.98	32.10	26.22	102.25	-2,744.26	-622.98	2,807.82	2,749.57	58.25	48.204		
6,400.00	6,259.22	6,230.88	6,230.75	32.62	26.64	102.72	-2,743.92	-624.56	2,813.47	2,754.28	59.19	47.533		
6,500.00	6,356.74	6,328.32	6,328.18	33.15	27.05	103.17	-2,743.46	-626.15	2,819.23	2,759.11	60.12	46.894		
6,600.00	6,454.25	6,421.85	6,421.69	33.67	27.45	103.62	-2,743.00	-627.84	2,825.28	2,764.25	61.03	46.294		
6,623.48	6,477.15	6,444.48	6,444.32	33.80	27.55	103.72	-2,742.88	-628.27	2,826.73	2,765.49	61.25	46.154		
6,650.00	6,503.12	6,470.15	6,469.98	33.93	27.66	98.33	-2,742.75	-628.77	2,828.04	2,766.55	61.49	45.994		
6,700.00	6,552.50	6,520.75	6,520.57	34.16	27.87	79.65	-2,742.47	-629.75	2,828.59	2,766.65	61.93	45.672		
6,750.00	6,602.21	6,574.46	6,574.27	34.36	28.10	41.60	-2,742.15	-630.75	2,826.54	2,764.18	62.36	45.323		
6,800.00	6,651.92	6,627.62	6,627.43	34.54	28.32	2.41	-2,741.79	-631.66	2,821.90	2,759.13	62.76	44.960		
6,850.00	6,701.33	6,679.96	6,679.76	34.70	28.55	-17.75	-2,741.43	-632.48	2,814.69	2,751.54	63.15	44.574		
6,900.00	6,750.14	6,734.56	6,734.35	34.86	28.78	-28.01	-2,741.04	-633.24	2,804.94	2,741.41	63.54	44.147		
6,950.00	6,798.04	6,789.92	6,789.70	35.02	29.01	-34.33	-2,740.52	-633.94	2,792.68	2,728.75	63.93	43.682		
7,000.00	6,844.75	6,845.10	6,844.88	35.19	29.25	-38.95	-2,739.85	-634.58	2,778.00	2,713.66	64.33	43.183		
7,050.00	6,889.97	6,898.81	6,898.57	35.37	29.47	-42.80	-2,738.99	-635.20	2,760.99	2,696.26	64.73	42.654		
7,100.00	6,933.42	6,942.40	6,942.15	35.57	29.66	-46.24	-2,738.16	-635.76	2,741.90	2,676.81	65.09	42.122		
7,150.00	6,974.83	6,983.97	6,983.70	35.79	29.83	-49.55	-2,737.25	-636.43	2,720.95	2,655.49	65.46	41.565		
7,200.00	7,013.96	7,025.76	7,025.48	36.02	30.01	-52.89	-2,736.23	-637.23	2,698.31	2,632.46	65.85	40.977		
7,250.00	7,050.56	7,066.55	7,066.24	36.28	30.18	-56.32	-2,735.09	-638.11	2,674.15	2,607.90	66.25	40.364		
7,300.00	7,084.39	7,104.52	7,104.19	36.57	30.35	-59.87	-2,733.90	-639.01	2,648.69	2,582.03	66.66	39.733		
7,350.00	7,115.27	7,135.83	7,135.47	36.89	30.48	-63.47	-2,732.88	-639.77	2,622.19	2,555.11	67.08	39.092		
7,400.00	7,142.99	7,164.46	7,164.07	37.25	30.61	-67.16	-2,731.95	-640.47	2,594.90	2,527.40	67.51	38.439		
7,450.00	7,167.38	7,189.82	7,189.41	37.65	30.72	-70.89	-2,731.13	-641.09	2,567.10	2,499.14	67.96	37.775		
7,500.00	7,188.30	7,211.77	7,211.34	38.08	30.81	-74.62	-2,730.42	-641.63	2,539.02	2,470.59	68.43	37.104		
7,550.00	7,205.61	7,230.16	7,229.72	38.55	30.89	-78.27	-2,729.82	-642.08	2,510.93	2,442.01	68.92	36.431		
7,600.00	7,219.20	7,244.88	7,244.43	39.06	30.96	-81.79	-2,729.34	-642.43	2,483.09	2,413.65	69.44	35.760		
7,650.00	7,229.00	7,255.84	7,255.38	39.61	31.01	-85.11	-2,728.98	-642.70	2,455.74	2,385.76	69.97	35.095		
7,700.00	7,234.95	7,262.98	7,262.51	40.18	31.04	-88.19	-2,728.75	-642.88	2,429.12	2,358.59	70.53	34.442		
7,750.07	7,237.00	7,266.25	7,265.78	40.78	31.05	-90.98	-2,728.65	-642.96	2,403.43	2,332.33	71.10	33.804		
7,800.00	7,237.09	7,267.57	7,267.10	41.41	31.06	-91.02	-2,728.60	-642.99	2,378.75	2,307.05	71.70	33.178		
7,900.00	7,237.28	7,270.21	7,269.73	42.79	31.07	-91.09	-2,728.52	-643.05	2,331.75	2,258.71	73.04	31.925		
8,000.00	7,237.47	7,272.85	7,272.37	44.31	31.08	-91.16	-2,728.43	-643.12	2,288.15	2,213.59	74.56	30.689		
8,100.00	7,237.65	7,275.49	7,275.01	45.97	31.09	-91.23	-2,728.35	-643.18	2,248.16	2,171.91	76.25	29.482		
8,200.00	7,237.84	7,278.13	7,277.65	47.75	31.10	-91.31	-2,728.26	-643.25	2,211.97	2,133.86	78.11	28.320		
8,300.00	7,238.02	7,280.77	7,280.28	49.63	31.12	-91.38	-2,728.17	-643.31	2,179.76	2,099.66	80.10	27.214		
8,400.00	7,238.21	7,283.41	7,282.92	51.61	31.13	-91.45	-2,728.09	-643.37	2,151.72	2,069.52	82.20	26.175		
8,500.00	7,238.40	7,286.04	7,285.56	53.66	31.14	-91.52	-2,728.00	-643.44	2,128.01	2,043.61	84.40	25.213		
8,600.00	7,238.58	7,288.68	7,288.19	55.79	31.15	-91.60	-2,727.92	-643.50	2,108.78	2,022.11	86.67	24.332		
8,700.00	7,238.77	7,291.32	7,290.83	57.99	31.16	-91.67	-2,727.83	-643.57	2,094.14	2,005.18	88.96	23.539		
8,800.00	7,238.96	7,293.96	7,293.47	60.24	31.17	-91.74	-2,727.74	-643.63	2,084.21	1,992.94	91.27	22.835		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,296.60	7,296.11	62.54	31.19	-91.82	-2,727.66	-643.70	2,079.04	1,985.48	93.56	22.222		
8,957.72	7,239.25	7,298.12	7,297.63	63.89	31.19	-91.86	-2,727.61	-643.73	2,078.23	1,983.38	94.86	21.909 CC		
9,000.00	7,239.33	7,299.24	7,298.74	64.88	31.20	-91.89	-2,727.57	-643.76	2,078.66	1,982.87	95.79	21.700 ES		
9,100.00	7,239.52	7,301.88	7,301.38	67.27	31.21	-91.96	-2,727.49	-643.83	2,083.10	1,985.14	97.96	21.265		
9,200.00	7,239.70	7,304.52	7,304.02	69.69	31.22	-92.03	-2,727.40	-643.89	2,092.30	1,992.27	100.03	20.917		
9,300.00	7,239.89	7,307.16	7,306.65	72.15	31.23	-92.11	-2,727.32	-643.95	2,106.21	2,004.23	101.99	20.652		
9,400.00	7,240.07	7,309.80	7,309.29	74.63	31.24	-92.18	-2,727.23	-644.02	2,124.74	2,020.92	103.82	20.465		
9,500.00	7,240.26	7,312.44	7,311.93	77.14	31.26	-92.25	-2,727.14	-644.08	2,147.77	2,042.25	105.52	20.354		
9,600.00	7,240.45	7,315.08	7,314.56	79.68	31.27	-92.33	-2,727.06	-644.15	2,175.15	2,068.08	107.08	20.314 SF		
9,700.00	7,240.63	7,317.72	7,317.20	82.23	31.28	-92.40	-2,726.97	-644.21	2,206.73	2,098.24	108.49	20.340		
9,800.00	7,240.82	7,320.35	7,319.84	84.81	31.29	-92.47	-2,726.89	-644.28	2,242.32	2,132.56	109.76	20.429		
9,900.00	7,241.01	7,322.99	7,322.48	87.40	31.30	-92.54	-2,726.80	-644.34	2,281.74	2,170.85	110.89	20.576		
10,000.00	7,241.19	7,325.63	7,325.11	90.01	31.31	-92.62	-2,726.72	-644.41	2,324.79	2,212.90	111.89	20.777		
10,100.00	7,241.38	7,328.27	7,327.75	92.64	31.32	-92.69	-2,726.63	-644.47	2,371.28	2,258.52	112.76	21.029		
10,200.00	7,241.56	7,330.91	7,330.39	95.28	31.34	-92.76	-2,726.54	-644.53	2,421.00	2,307.49	113.51	21.328		
10,300.00	7,241.75	7,333.55	7,333.02	97.93	31.35	-92.83	-2,726.46	-644.60	2,473.77	2,359.61	114.15	21.671		
10,400.00	7,241.94	7,336.19	7,335.66	100.59	31.36	-92.91	-2,726.37	-644.66	2,529.38	2,414.69	114.69	22.054		
10,500.00	7,242.12	7,338.83	7,338.30	103.26	31.37	-92.98	-2,726.29	-644.73	2,587.67	2,472.53	115.14	22.474		
10,600.00	7,242.31	7,341.47	7,340.93	105.95	31.38	-93.05	-2,726.20	-644.79	2,648.45	2,532.94	115.50	22.929		
10,700.00	7,242.50	7,344.11	7,343.57	108.64	31.39	-93.12	-2,726.11	-644.86	2,711.55	2,595.75	115.80	23.416		
10,800.00	7,242.68	7,346.75	7,346.21	111.34	31.41	-93.20	-2,726.03	-644.92	2,776.81	2,660.79	116.02	23.933		
10,900.00	7,242.87	7,349.39	7,348.85	114.05	31.42	-93.27	-2,725.94	-644.99	2,844.10	2,727.90	116.19	24.478		
11,000.00	7,243.05	7,352.02	7,351.48	116.76	31.43	-93.34	-2,725.86	-645.05	2,913.26	2,796.95	116.31	25.048		
11,100.00	7,243.24	7,354.66	7,354.12	119.49	31.44	-93.42	-2,725.77	-645.11	2,984.16	2,867.78	116.38	25.641		
11,200.00	7,243.43	7,357.30	7,356.76	122.22	31.45	-93.49	-2,725.69	-645.18	3,056.69	2,940.28	116.42	26.257		
11,300.00	7,243.61	7,359.94	7,359.39	124.95	31.46	-93.56	-2,725.60	-645.24	3,130.74	3,014.32	116.42	26.893		
11,400.00	7,243.80	7,362.58	7,362.03	127.69	31.48	-93.63	-2,725.51	-645.31	3,206.19	3,089.80	116.39	27.548		
11,500.00	7,243.99	7,365.22	7,364.67	130.44	31.49	-93.71	-2,725.43	-645.37	3,282.95	3,166.61	116.33	28.220		
11,600.00	7,244.17	7,367.86	7,367.31	133.19	31.50	-93.78	-2,725.34	-645.44	3,360.93	3,244.67	116.26	28.909		
11,700.00	7,244.36	7,370.50	7,369.94	135.94	31.51	-93.85	-2,725.26	-645.50	3,440.05	3,323.88	116.17	29.613		
11,800.00	7,244.55	7,373.14	7,372.58	138.70	31.52	-93.92	-2,725.17	-645.56	3,520.23	3,404.17	116.06	30.331		
11,900.00	7,244.73	7,375.78	7,375.22	141.47	31.53	-94.00	-2,725.09	-645.63	3,601.39	3,485.45	115.94	31.062		
12,000.00	7,244.92	7,378.42	7,377.85	144.24	31.54	-94.07	-2,725.00	-645.69	3,683.49	3,567.68	115.81	31.806		
12,100.00	7,245.10	7,381.06	7,380.49	147.01	31.56	-94.14	-2,724.91	-645.76	3,766.44	3,650.77	115.67	32.561		
12,200.00	7,245.29	7,383.70	7,383.13	149.78	31.57	-94.21	-2,724.83	-645.82	3,850.21	3,734.68	115.53	33.327		
12,300.00	7,245.48	7,386.33	7,385.76	152.56	31.58	-94.29	-2,724.74	-645.89	3,934.73	3,819.35	115.38	34.103		
12,400.00	7,245.66	7,388.97	7,388.40	155.34	31.59	-94.36	-2,724.66	-645.95	4,019.96	3,904.74	115.22	34.888		
12,500.00	7,245.85	7,391.61	7,391.04	158.12	31.60	-94.43	-2,724.57	-646.02	4,105.86	3,990.79	115.07	35.682		
12,600.00	7,246.04	7,394.25	7,393.68	160.91	31.61	-94.51	-2,724.48	-646.08	4,192.38	4,077.47	114.91	36.484		
12,700.00	7,246.22	7,396.89	7,396.31	163.70	31.63	-94.58	-2,724.40	-646.14	4,279.48	4,164.73	114.75	37.294		
12,800.00	7,246.41	7,399.53	7,398.95	166.49	31.64	-94.65	-2,724.31	-646.21	4,367.14	4,252.55	114.59	38.111		
12,900.00	7,246.59	7,402.17	7,401.59	169.28	31.65	-94.72	-2,724.23	-646.27	4,455.31	4,340.88	114.43	38.934		
13,000.00	7,246.78	7,404.81	7,404.22	172.08	31.66	-94.80	-2,724.14	-646.34	4,543.97	4,429.70	114.27	39.764		
13,100.00	7,246.97	7,407.45	7,406.86	174.88	31.67	-94.87	-2,724.06	-646.40	4,633.10	4,518.98	114.12	40.600		
13,200.00	7,247.15	7,410.09	7,409.50	177.68	31.68	-94.94	-2,723.97	-646.47	4,722.65	4,608.69	113.96	41.441		
13,300.00	7,247.34	7,412.73	7,412.13	180.48	31.70	-95.01	-2,723.88	-646.53	4,812.62	4,698.81	113.81	42.287		
13,400.00	7,247.53	7,415.37	7,414.77	183.28	31.71	-95.09	-2,723.80	-646.60	4,902.97	4,789.32	113.66	43.138		
13,500.00	7,247.71	7,418.01	7,417.41	186.09	31.72	-95.16	-2,723.71	-646.66	4,993.70	4,880.19	113.51	43.994		
13,600.00	7,247.90	7,420.64	7,420.05	188.90	31.73	-95.23	-2,723.63	-646.72	5,084.76	4,971.40	113.36	44.853		
13,700.00	7,248.08	7,423.28	7,422.68	191.70	31.74	-95.30	-2,723.54	-646.79	5,176.16	5,062.94	113.22	45.717		
13,800.00	7,248.27	7,425.92	7,425.32	194.52	31.75	-95.38	-2,723.46	-646.85	5,267.86	5,154.78	113.08	46.585		
13,900.00	7,248.46	7,428.56	7,427.96	197.33	31.77	-95.45	-2,723.37	-646.92	5,359.87	5,246.92	112.94	47.456		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	7,431.20	7,430.59	200.14	31.78	-95.52	-2,723.28	-646.98	5,452.15	5,339.34	112.81	48.330		
14,100.00	7,248.83	7,433.84	7,433.23	202.95	31.79	-95.59	-2,723.20	-647.05	5,544.70	5,432.02	112.68	49.207		
14,200.00	7,249.02	7,436.48	7,435.87	205.77	31.80	-95.67	-2,723.11	-647.11	5,637.50	5,524.95	112.55	50.087		
14,300.00	7,249.20	7,439.12	7,438.51	208.59	31.81	-95.74	-2,723.03	-647.17	5,730.54	5,618.11	112.43	50.970		
14,400.00	7,249.39	7,441.76	7,441.14	211.41	31.82	-95.81	-2,722.94	-647.24	5,823.82	5,711.51	112.31	51.855		
14,500.00	7,249.58	7,444.40	7,443.78	214.23	31.84	-95.88	-2,722.85	-647.30	5,917.31	5,805.11	112.19	52.742		
14,600.00	7,249.76	7,447.04	7,446.42	217.05	31.85	-95.95	-2,722.77	-647.37	6,011.01	5,898.93	112.08	53.632		
14,700.00	7,249.95	7,449.68	7,449.05	219.87	31.86	-96.03	-2,722.68	-647.43	6,104.91	5,992.94	111.97	54.523		
14,800.00	7,250.13	7,452.32	7,451.69	222.69	31.87	-96.10	-2,722.60	-647.50	6,198.99	6,087.13	111.86	55.417		
14,900.00	7,250.32	7,454.95	7,454.33	225.51	31.88	-96.17	-2,722.51	-647.56	6,293.26	6,181.50	111.76	56.312		
15,000.00	7,250.51	7,457.59	7,456.96	228.34	31.89	-96.24	-2,722.43	-647.63	6,387.70	6,276.05	111.66	57.208		
15,100.00	7,250.69	7,460.23	7,459.60	231.16	31.90	-96.32	-2,722.34	-647.69	6,482.31	6,370.75	111.56	58.107		
15,200.00	7,250.88	7,462.87	7,462.24	233.99	31.92	-96.39	-2,722.25	-647.75	6,577.08	6,465.61	111.46	59.006		
15,300.00	7,251.07	7,465.51	7,464.88	236.82	31.93	-96.46	-2,722.17	-647.82	6,672.00	6,560.62	111.37	59.907		
15,400.00	7,251.25	7,468.15	7,467.51	239.65	31.94	-96.53	-2,722.08	-647.88	6,767.06	6,655.78	111.29	60.808		
15,500.00	7,251.44	7,470.79	7,470.15	242.47	31.95	-96.61	-2,722.00	-647.95	6,862.26	6,751.06	111.20	61.711		
15,600.00	7,251.62	7,473.43	7,472.79	245.30	31.96	-96.68	-2,721.91	-648.01	6,957.60	6,846.48	111.12	62.615		
15,700.00	7,251.81	7,476.07	7,475.42	248.13	31.97	-96.75	-2,721.83	-648.08	7,053.07	6,942.03	111.04	63.519		
15,800.00	7,252.00	7,478.71	7,478.06	250.97	31.99	-96.82	-2,721.74	-648.14	7,148.65	7,037.69	110.96	64.424		
15,900.00	7,252.18	7,481.35	7,480.70	253.80	32.00	-96.89	-2,721.65	-648.21	7,244.36	7,133.47	110.89	65.330		
16,000.00	7,252.37	7,483.99	7,483.33	256.63	32.01	-96.97	-2,721.57	-648.27	7,340.18	7,229.36	110.82	66.237		
16,100.00	7,252.56	7,486.63	7,485.97	259.46	32.02	-97.04	-2,721.48	-648.33	7,436.11	7,325.36	110.75	67.144		
16,200.00	7,252.74	7,489.26	7,488.61	262.30	32.03	-97.11	-2,721.40	-648.40	7,532.14	7,421.46	110.68	68.051		
16,300.00	7,252.93	7,491.90	7,491.25	265.13	32.04	-97.18	-2,721.31	-648.46	7,628.27	7,517.65	110.62	68.958		
16,400.00	7,253.11	7,494.54	7,493.88	267.96	32.06	-97.26	-2,721.22	-648.53	7,724.51	7,613.95	110.56	69.866		
16,500.00	7,253.30	7,497.18	7,496.52	270.80	32.07	-97.33	-2,721.14	-648.59	7,820.83	7,710.33	110.50	70.774		
16,600.00	7,253.49	7,499.82	7,499.16	273.64	32.08	-97.40	-2,721.05	-648.66	7,917.25	7,806.80	110.45	71.683		
16,700.00	7,253.67	7,502.46	7,501.79	276.47	32.09	-97.47	-2,720.97	-648.72	8,013.75	7,903.35	110.40	72.591		
16,800.00	7,253.86	7,505.10	7,504.43	279.31	32.10	-97.54	-2,720.88	-648.79	8,110.34	7,999.99	110.35	73.499		
16,900.00	7,254.05	7,507.74	7,507.07	282.15	32.11	-97.62	-2,720.80	-648.85	8,207.00	8,096.71	110.30	74.407		
17,000.00	7,254.23	7,510.38	7,509.71	284.98	32.13	-97.69	-2,720.71	-648.91	8,303.75	8,193.50	110.25	75.316		
17,100.00	7,254.42	7,513.02	7,512.34	287.82	32.14	-97.76	-2,720.62	-648.98	8,400.57	8,290.36	110.21	76.224		
17,200.00	7,254.61	7,515.66	7,514.98	290.66	32.15	-97.83	-2,720.54	-649.04	8,497.47	8,387.30	110.17	77.131		
17,300.00	7,254.79	7,518.30	7,517.62	293.50	32.16	-97.90	-2,720.45	-649.11	8,594.43	8,484.30	110.13	78.039		
17,400.00	7,254.98	7,520.93	7,520.25	296.34	32.17	-97.98	-2,720.37	-649.17	8,691.46	8,581.37	110.09	78.946		
17,500.00	7,255.16	7,523.57	7,522.89	299.18	32.18	-98.05	-2,720.28	-649.24	8,788.56	8,678.50	110.06	79.853		
17,600.00	7,255.35	7,526.21	7,525.53	302.02	32.20	-98.12	-2,720.20	-649.30	8,885.72	8,775.69	110.03	80.759		
17,700.00	7,255.54	7,528.85	7,528.16	304.86	32.21	-98.19	-2,720.11	-649.36	8,982.94	8,872.95	110.00	81.666		
17,800.00	7,255.72	7,531.49	7,530.80	307.70	32.22	-98.26	-2,720.02	-649.43	9,080.23	8,970.26	109.97	82.571		
17,900.00	7,255.91	7,534.13	7,533.44	310.54	32.23	-98.33	-2,719.94	-649.49	9,177.57	9,067.62	109.94	83.476		
18,000.00	7,256.10	7,536.77	7,536.08	313.39	32.24	-98.41	-2,719.85	-649.56	9,274.96	9,165.04	109.92	84.381		
18,100.00	7,256.28	7,539.41	7,538.71	316.23	32.25	-98.48	-2,719.77	-649.62	9,372.41	9,262.52	109.90	85.284		
18,200.00	7,256.47	7,542.05	7,541.35	319.07	32.27	-98.55	-2,719.68	-649.69	9,469.92	9,360.04	109.88	86.188		
18,300.00	7,256.65	7,544.69	7,543.99	321.91	32.28	-98.62	-2,719.59	-649.75	9,567.47	9,457.61	109.86	87.090		
18,400.00	7,256.84	7,547.33	7,546.62	324.76	32.29	-98.69	-2,719.51	-649.82	9,665.07	9,555.23	109.84	87.992		
18,500.00	7,257.03	7,549.97	7,549.26	327.60	32.30	-98.76	-2,719.42	-649.88	9,762.72	9,652.90	109.83	88.893		
18,600.00	7,257.21	7,552.61	7,551.90	330.44	32.31	-98.84	-2,719.34	-649.94	9,860.42	9,750.61	109.81	89.794		
18,700.00	7,257.40	7,555.24	7,554.53	333.29	32.32	-98.91	-2,719.25	-650.01	9,958.16	9,848.36	109.80	90.693		

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

Offset Design													Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program:		100-2" Cone@2.448 Sigma											Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	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	-155.26	-3,795.64	-1,748.67	4,179.27							
100.00	100.00	60.00	60.00	3.28	3.44	-155.26	-3,795.64	-1,748.67	4,179.08	4,172.35	6.73	621.160				
200.00	200.00	160.00	160.00	3.34	5.05	-155.26	-3,795.64	-1,748.67	4,179.08	4,170.69	8.39	498.266				
300.00	300.00	260.00	260.00	3.44	8.03	-155.26	-3,795.64	-1,748.67	4,179.08	4,167.61	11.48	364.149				
400.00	399.98	359.98	359.98	3.60	11.31	88.76	-3,795.64	-1,748.67	4,179.04	4,164.14	14.91	280.371				
500.00	499.84	459.84	459.84	3.79	14.68	88.83	-3,795.64	-1,748.67	4,178.93	4,160.46	18.47	226.254				
600.00	599.45	559.45	559.45	4.03	18.08	88.96	-3,795.64	-1,748.67	4,178.77	4,156.65	22.11	188.982				
700.00	698.70	658.70	658.70	4.30	21.50	89.13	-3,795.64	-1,748.67	4,178.56	4,152.76	25.80	161.945				
800.00	797.47	757.47	757.47	4.61	24.91	89.34	-3,795.64	-1,748.67	4,178.35	4,148.82	29.52	141.520				
900.00	895.62	855.62	855.62	4.96	28.31	89.60	-3,795.64	-1,748.67	4,178.17	4,144.90	33.27	125.586				
939.50	934.20	905.80	894.20	5.10	30.06	89.72	-3,795.64	-1,748.67	4,178.12	4,142.96	35.15	118.849				
1,000.00	993.20	953.20	953.20	5.33	31.70	89.90	-3,795.64	-1,748.67	4,178.07	4,141.04	37.03	112.825				
1,034.92	1,027.25	987.25	987.25	5.47	32.88	90.00	-3,795.64	-1,748.67	4,178.06	4,139.71	38.35	108.940				
1,100.00	1,090.72	1,050.72	1,050.72	5.73	35.09	90.19	-3,795.64	-1,748.67	4,178.09	4,137.27	40.82	102.352				
1,200.00	1,188.24	1,148.24	1,148.24	6.15	38.48	90.49	-3,795.64	-1,748.67	4,178.22	4,133.59	44.63	93.615				
1,300.00	1,285.76	1,245.76	1,245.76	6.59	41.87	90.78	-3,795.64	-1,748.67	4,178.48	4,130.02	48.46	86.223				
1,400.00	1,383.28	1,343.28	1,343.28	7.04	45.27	91.08	-3,795.64	-1,748.67	4,178.85	4,126.54	52.30	79.895				
1,500.00	1,480.80	1,440.80	1,440.80	7.50	48.66	91.38	-3,795.64	-1,748.67	4,179.33	4,123.17	56.16	74.420				
1,600.00	1,578.31	1,538.31	1,538.31	7.96	52.06	91.67	-3,795.64	-1,748.67	4,179.94	4,119.91	60.02	69.638				
1,700.00	1,675.83	1,635.83	1,635.83	8.44	55.46	91.97	-3,795.64	-1,748.67	4,180.66	4,116.76	63.90	65.429				
1,800.00	1,773.35	1,733.35	1,733.35	8.92	58.86	92.26	-3,795.64	-1,748.67	4,181.50	4,113.72	67.78	61.696				
1,900.00	1,870.87	1,830.87	1,830.87	9.40	62.26	92.56	-3,795.64	-1,748.67	4,182.45	4,110.79	71.66	58.365				
2,000.00	1,968.39	1,928.39	1,928.39	9.89	65.66	92.85	-3,795.64	-1,748.67	4,183.52	4,107.97	75.55	55.374				
2,100.00	2,065.91	2,025.91	2,025.91	10.39	69.06	93.15	-3,795.64	-1,748.67	4,184.71	4,105.27	79.44	52.675				
2,200.00	2,163.43	2,123.43	2,123.43	10.88	72.46	93.45	-3,795.64	-1,748.67	4,186.02	4,102.68	83.34	50.227				
2,300.00	2,260.95	2,220.95	2,220.95	11.38	75.86	93.74	-3,795.64	-1,748.67	4,187.44	4,100.20	87.24	47.998				
2,400.00	2,358.46	2,318.46	2,318.46	11.89	79.26	94.03	-3,795.64	-1,748.67	4,188.98	4,097.83	91.15	45.959				
2,500.00	2,455.98	2,415.98	2,415.98	12.39	82.66	94.33	-3,795.64	-1,748.67	4,190.63	4,095.58	95.05	44.088				
2,600.00	2,553.50	2,513.50	2,513.50	12.89	86.06	94.62	-3,795.64	-1,748.67	4,192.41	4,093.45	98.96	42.365				
2,700.00	2,651.02	2,611.02	2,611.02	13.40	89.47	94.92	-3,795.64	-1,748.67	4,194.29	4,091.43	102.87	40.774				
2,800.00	2,748.54	2,708.54	2,708.54	13.91	92.87	95.21	-3,795.64	-1,748.67	4,196.30	4,089.52	106.78	39.299				
2,900.00	2,846.06	2,806.06	2,806.06	14.42	96.27	95.50	-3,795.64	-1,748.67	4,198.42	4,087.73	110.69	37.929				
3,000.00	2,943.58	2,903.58	2,903.58	14.93	99.67	95.80	-3,795.64	-1,748.67	4,200.65	4,086.05	114.61	36.653				
3,100.00	3,041.10	3,001.10	3,001.10	15.45	103.08	96.09	-3,795.64	-1,748.67	4,203.00	4,084.48	118.52	35.462				
3,200.00	3,138.61	3,101.39	3,098.61	15.96	106.57	96.38	-3,795.64	-1,748.67	4,205.47	4,082.93	122.53	34.321				
3,300.00	3,236.13	3,203.87	3,196.13	16.47	110.15	96.68	-3,795.64	-1,748.67	4,208.05	4,081.43	126.62	33.233				
3,400.00	3,333.65	3,306.35	3,293.65	16.99	113.73	96.97	-3,795.64	-1,748.67	4,210.74	4,080.03	130.71	32.214				
3,500.00	3,431.17	3,408.83	3,391.17	17.50	117.30	97.26	-3,795.64	-1,748.67	4,213.55	4,078.75	134.80	31.257				
3,600.00	3,528.69	3,488.69	3,488.69	18.02	120.09	97.55	-3,795.64	-1,748.67	4,216.48	4,078.37	138.11	30.530				
3,700.00	3,626.21	3,586.21	3,586.21	18.54	123.49	97.84	-3,795.64	-1,748.67	4,219.52	4,077.49	142.03	29.709				
3,800.00	3,723.73	3,683.73	3,683.73	19.06	126.90	98.13	-3,795.64	-1,748.67	4,222.67	4,076.72	145.95	28.933				
3,900.00	3,821.25	3,781.25	3,781.25	19.57	130.30	98.42	-3,795.64	-1,748.67	4,225.93	4,076.07	149.87	28.198				
4,000.00	3,918.77	3,878.77	3,878.77	20.09	133.70	98.71	-3,795.64	-1,748.67	4,229.31	4,075.53	153.79	27.501				
4,100.00	4,016.28	3,976.28	3,976.28	20.61	137.11	99.00	-3,795.64	-1,748.67	4,232.81	4,075.10	157.71	26.839				
4,200.00	4,113.80	4,073.80	4,073.80	21.13	140.51	99.29	-3,795.64	-1,748.67	4,236.41	4,074.78	161.63	26.211				
4,300.00	4,211.32	4,171.32	4,171.32	21.65	143.91	99.58	-3,795.64	-1,748.67	4,240.13	4,074.58	165.55	25.612				
4,400.00	4,308.84	4,268.84	4,268.84	22.17	147.32	99.86	-3,795.64	-1,748.67	4,243.96	4,074.49	169.47	25.042				
4,500.00	4,406.36	4,366.36	4,366.36	22.69	150.72	100.15	-3,795.64	-1,748.67	4,247.90	4,074.51	173.40	24.498				
4,600.00	4,503.88	4,463.88	4,463.88	23.21	154.12	100.44	-3,795.64	-1,748.67	4,251.95	4,074.64	177.32	23.979				
4,700.00	4,601.40	4,561.40	4,561.40	23.73	157.53	100.72	-3,795.64	-1,748.67	4,256.12	4,074.88	181.24	23.483				
4,800.00	4,698.92	4,658.92	4,658.92	24.26	160.93	101.01	-3,795.64	-1,748.67	4,260.39	4,075.23	185.16	23.009				
4,900.00	4,796.43	4,756.43	4,756.43	24.78	164.33	101.29	-3,795.64	-1,748.67	4,264.78	4,075.70	189.08	22.555				

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,853.95	4,853.95	25.30	167.74	101.58	-3,795.64	-1,748.67	4,269.28	4,076.27	193.01	22.120		
5,100.00	4,991.47	4,951.47	4,951.47	25.82	171.14	101.86	-3,795.64	-1,748.67	4,273.88	4,076.96	196.93	21.703		
5,200.00	5,088.99	5,048.99	5,048.99	26.34	174.55	102.15	-3,795.64	-1,748.67	4,278.60	4,077.75	200.85	21.302		
5,300.00	5,186.51	5,146.51	5,146.51	26.87	177.95	102.43	-3,795.64	-1,748.67	4,283.43	4,078.65	204.77	20.918		
5,400.00	5,284.03	5,244.03	5,244.03	27.39	181.35	102.71	-3,795.64	-1,748.67	4,288.36	4,079.66	208.70	20.548		
5,500.00	5,381.55	5,341.55	5,341.55	27.91	184.76	102.99	-3,795.64	-1,748.67	4,293.40	4,080.78	212.62	20.193		
5,600.00	5,479.07	5,439.07	5,439.07	28.43	188.16	103.27	-3,795.64	-1,748.67	4,298.55	4,082.01	216.54	19.851		
5,700.00	5,576.58	5,536.58	5,536.58	28.96	191.57	103.55	-3,795.64	-1,748.67	4,303.81	4,083.35	220.46	19.522		
5,800.00	5,674.10	5,634.10	5,634.10	29.48	194.97	103.83	-3,795.64	-1,748.67	4,309.18	4,084.79	224.38	19.205		
5,900.00	5,771.62	5,731.62	5,731.62	30.00	198.37	104.11	-3,795.64	-1,748.67	4,314.65	4,086.34	228.31	18.899		
6,000.00	5,869.14	5,829.14	5,829.14	30.53	201.78	104.39	-3,795.64	-1,748.67	4,320.23	4,088.00	232.23	18.603		
6,100.00	5,966.66	5,926.66	5,926.66	31.05	205.18	104.67	-3,795.64	-1,748.67	4,325.91	4,089.77	236.15	18.319		
6,200.00	6,064.18	6,024.18	6,024.18	31.58	208.58	104.94	-3,795.64	-1,748.67	4,331.71	4,091.64	240.07	18.044		
6,300.00	6,161.70	6,121.70	6,121.70	32.10	211.99	105.22	-3,795.64	-1,748.67	4,337.60	4,093.61	243.99	17.778		
6,400.00	6,259.22	6,219.22	6,219.22	32.62	215.39	105.49	-3,795.64	-1,748.67	4,343.60	4,095.69	247.91	17.521		
6,500.00	6,356.74	6,316.74	6,316.74	33.15	218.80	105.77	-3,795.64	-1,748.67	4,349.71	4,097.88	251.83	17.272		
6,600.00	6,454.25	6,414.25	6,414.25	33.67	222.20	106.04	-3,795.64	-1,748.67	4,355.92	4,100.17	255.75	17.032		
6,623.48	6,477.15	6,437.15	6,437.15	33.80	223.00	106.11	-3,795.64	-1,748.67	4,357.39	4,100.72	256.67	16.976		
6,650.00	6,503.12	6,463.12	6,463.12	33.93	223.91	100.67	-3,795.64	-1,748.67	4,358.69	4,100.98	257.71	16.913		
6,700.00	6,552.50	6,512.50	6,512.50	34.16	225.63	81.90	-3,795.64	-1,748.67	4,359.11	4,099.45	259.67	16.787		
6,750.00	6,602.21	6,562.21	6,562.21	34.36	227.37	43.78	-3,795.64	-1,748.67	4,358.89	4,095.28	261.60	16.655		
6,800.00	6,651.92	6,611.92	6,611.92	34.54	229.10	4.56	-3,795.64	-1,748.67	4,352.01	4,088.50	263.51	16.515		
6,850.00	6,701.33	6,661.33	6,661.33	34.70	230.83	-15.61	-3,795.64	-1,748.67	4,344.51	4,079.12	265.39	16.370		
6,900.00	6,750.14	6,710.14	6,710.14	34.86	232.53	-25.84	-3,795.64	-1,748.67	4,334.44	4,067.19	267.25	16.219		
6,950.00	6,798.04	6,758.04	6,758.04	35.02	234.20	-32.10	-3,795.64	-1,748.67	4,321.86	4,052.79	269.08	16.062		
7,000.00	6,844.75	6,804.75	6,804.75	35.19	235.83	-36.60	-3,795.64	-1,748.67	4,306.87	4,036.01	270.87	15.900		
7,050.00	6,889.97	6,849.97	6,849.97	35.37	237.41	-40.30	-3,795.64	-1,748.67	4,289.58	4,016.97	272.61	15.735		
7,100.00	6,933.42	6,893.42	6,893.42	35.57	239.39	-43.61	-3,795.64	-1,748.67	4,270.12	3,995.36	274.76	15.542		
7,150.00	6,974.83	6,934.83	6,934.83	35.79	240.37	-46.79	-3,795.64	-1,748.67	4,248.63	3,972.71	275.92	15.398		
7,200.00	7,013.96	6,973.96	6,973.96	36.02	241.74	-49.97	-3,795.64	-1,748.67	4,225.29	3,947.80	277.49	15.227		
7,250.00	7,050.56	7,010.56	7,010.56	36.28	243.02	-53.23	-3,795.64	-1,748.67	4,200.27	3,921.29	278.98	15.056		
7,300.00	7,084.39	7,044.39	7,044.39	36.57	244.20	-56.61	-3,795.64	-1,748.67	4,173.77	3,893.38	280.39	14.886		
7,350.00	7,115.27	7,075.27	7,075.27	36.89	245.27	-60.13	-3,795.64	-1,748.67	4,146.01	3,864.28	281.72	14.717		
7,400.00	7,142.99	7,102.99	7,102.99	37.25	246.24	-63.79	-3,795.64	-1,748.67	4,117.18	3,834.21	282.97	14.550		
7,450.00	7,167.38	7,127.38	7,127.38	37.65	247.09	-67.56	-3,795.64	-1,748.67	4,087.52	3,803.39	284.13	14.386		
7,500.00	7,188.30	7,148.30	7,148.30	38.08	247.82	-71.42	-3,795.64	-1,748.67	4,057.26	3,772.06	285.20	14.226		
7,550.00	7,205.61	7,165.61	7,165.61	38.55	248.43	-75.30	-3,795.64	-1,748.67	4,026.61	3,740.44	286.17	14.071		
7,600.00	7,219.20	7,179.20	7,179.20	39.06	248.90	-79.15	-3,795.64	-1,748.67	3,995.83	3,708.78	287.04	13.921		
7,650.00	7,229.00	7,189.00	7,189.00	39.61	249.24	-82.91	-3,795.64	-1,748.67	3,965.12	3,677.30	287.81	13.777		
7,700.00	7,234.95	7,205.05	7,194.95	40.18	249.80	-86.51	-3,795.64	-1,748.67	3,934.72	3,645.88	288.83	13.623		
7,750.07	7,237.00	7,203.00	7,197.00	40.78	249.73	-89.92	-3,795.64	-1,748.67	3,904.79	3,615.54	289.25	13.500		
7,800.00	7,237.09	7,202.91	7,197.09	41.41	249.73	-89.92	-3,795.64	-1,748.67	3,875.48	3,585.72	289.76	13.375		
7,900.00	7,237.28	7,202.72	7,197.28	42.79	249.72	-89.93	-3,795.64	-1,748.67	3,818.08	3,527.17	290.91	13.125		
8,000.00	7,237.47	7,202.53	7,197.47	44.31	249.72	-89.93	-3,795.64	-1,748.67	3,762.45	3,470.23	292.22	12.875		
8,100.00	7,237.65	7,202.35	7,197.65	45.97	249.71	-89.93	-3,795.64	-1,748.67	3,708.69	3,415.01	293.68	12.628		
8,200.00	7,237.84	7,202.16	7,197.84	47.75	249.70	-89.94	-3,795.64	-1,748.67	3,656.87	3,361.57	295.30	12.384		
8,300.00	7,238.02	7,201.98	7,198.02	49.63	249.70	-89.94	-3,795.64	-1,748.67	3,607.08	3,310.02	297.06	12.143		
8,400.00	7,238.21	7,201.79	7,198.21	51.61	249.69	-89.94	-3,795.64	-1,748.67	3,559.40	3,260.45	298.96	11.906		
8,500.00	7,238.40	7,201.60	7,198.40	53.66	249.68	-89.95	-3,795.64	-1,748.67	3,513.93	3,212.94	300.99	11.675		
8,600.00	7,238.58	7,201.42	7,198.58	55.79	249.68	-89.95	-3,795.64	-1,748.67	3,470.74	3,167.60	303.14	11.449		
8,700.00	7,238.77	7,201.23	7,198.77	57.99	249.67	-89.95	-3,795.64	-1,748.67	3,429.92	3,124.52	305.40	11.231		
8,800.00	7,238.96	7,201.04	7,198.96	60.24	249.66	-89.96	-3,795.64	-1,748.67	3,391.56	3,083.80	307.76	11.020		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,200.86	7,199.14	62.54	249.66	-89.96	-3,795.64	-1,748.67	3,355.74	3,045.53	310.21	10.818		
9,000.00	7,239.33	7,200.67	7,199.33	64.88	249.65	-89.96	-3,795.64	-1,748.67	3,322.55	3,009.81	312.74	10.624		
9,100.00	7,239.52	7,200.49	7,199.52	67.27	249.65	-89.97	-3,795.64	-1,748.67	3,292.06	2,976.72	315.34	10.440		
9,200.00	7,239.70	7,200.30	7,199.70	69.69	249.64	-89.97	-3,795.64	-1,748.67	3,264.35	2,946.36	317.99	10.266		
9,300.00	7,239.89	7,200.11	7,199.89	72.15	249.63	-89.97	-3,795.64	-1,748.67	3,239.49	2,918.81	320.68	10.102		
9,400.00	7,240.07	7,200.07	7,200.07	74.63	249.63	-89.98	-3,795.64	-1,748.67	3,217.55	2,894.14	323.41	9.949		
9,500.00	7,240.26	7,200.26	7,200.26	77.14	249.64	-89.98	-3,795.64	-1,748.67	3,198.59	2,872.43	326.16	9.807		
9,600.00	7,240.45	7,200.45	7,200.45	79.68	249.64	-89.98	-3,795.64	-1,748.67	3,182.66	2,853.75	328.91	9.676		
9,700.00	7,240.63	7,200.63	7,200.63	82.23	249.65	-89.99	-3,795.64	-1,748.67	3,169.80	2,838.15	331.65	9.558		
9,800.00	7,240.82	7,200.82	7,200.82	84.81	249.66	-89.99	-3,795.64	-1,748.67	3,160.06	2,825.69	334.37	9.451		
9,900.00	7,241.01	7,201.01	7,201.01	87.40	249.66	-89.99	-3,795.64	-1,748.67	3,153.46	2,816.41	337.05	9.356		
10,000.00	7,241.19	7,201.19	7,201.19	90.01	249.67	-90.00	-3,795.64	-1,748.67	3,150.02	2,810.34	339.68	9.273		
10,058.35	7,241.30	7,201.30	7,201.30	91.54	249.67	-90.00	-3,795.64	-1,748.67	3,149.48	2,808.29	341.19	9.231 CC		
10,100.00	7,241.38	7,201.38	7,201.38	92.64	249.68	-90.00	-3,795.64	-1,748.67	3,149.76	2,807.50	342.26	9.203 ES		
10,200.00	7,241.56	7,201.56	7,201.56	95.28	249.68	-90.00	-3,795.64	-1,748.67	3,152.66	2,807.90	344.76	9.144		
10,300.00	7,241.75	7,201.75	7,201.75	97.93	249.69	-90.01	-3,795.64	-1,748.67	3,158.74	2,811.54	347.19	9.098		
10,400.00	7,241.94	7,201.94	7,201.94	100.59	249.70	-90.01	-3,795.64	-1,748.67	3,167.96	2,818.42	349.54	9.063		
10,500.00	7,242.12	7,202.12	7,202.12	103.26	249.70	-90.01	-3,795.64	-1,748.67	3,180.30	2,828.51	351.79	9.040		
10,600.00	7,242.31	7,202.31	7,202.31	105.95	249.71	-90.02	-3,795.64	-1,748.67	3,195.72	2,841.78	353.94	9.029		
10,700.00	7,242.50	7,202.50	7,202.50	108.64	249.72	-90.02	-3,795.64	-1,748.67	3,214.18	2,858.19	355.99	9.029 SF		
10,800.00	7,242.68	7,202.68	7,202.68	111.34	249.72	-90.03	-3,795.64	-1,748.67	3,235.63	2,877.69	357.93	9.040		
10,900.00	7,242.87	7,202.87	7,202.87	114.05	249.73	-90.03	-3,795.64	-1,748.67	3,260.00	2,900.23	359.77	9.061		
11,000.00	7,243.05	7,203.05	7,203.05	116.76	249.74	-90.03	-3,795.64	-1,748.67	3,287.24	2,925.74	361.49	9.094		
11,100.00	7,243.24	7,203.24	7,203.24	119.49	249.74	-90.04	-3,795.64	-1,748.67	3,317.27	2,954.16	363.11	9.136		
11,200.00	7,243.43	7,203.43	7,203.43	122.22	249.75	-90.04	-3,795.64	-1,748.67	3,350.01	2,985.40	364.61	9.188		
11,300.00	7,243.61	7,203.61	7,203.61	124.95	249.75	-90.04	-3,795.64	-1,748.67	3,385.40	3,019.39	366.01	9.250		
11,400.00	7,243.80	7,203.80	7,203.80	127.69	249.76	-90.05	-3,795.64	-1,748.67	3,423.34	3,056.04	367.30	9.320		
11,500.00	7,243.99	7,203.99	7,203.99	130.44	249.77	-90.05	-3,795.64	-1,748.67	3,463.75	3,095.27	368.48	9.400		
11,600.00	7,244.17	7,204.17	7,204.17	133.19	249.77	-90.05	-3,795.64	-1,748.67	3,506.55	3,136.98	369.57	9.488		
11,700.00	7,244.36	7,204.36	7,204.36	135.94	249.78	-90.06	-3,795.64	-1,748.67	3,551.65	3,181.09	370.56	9.585		
11,800.00	7,244.55	7,204.55	7,204.55	138.70	249.79	-90.06	-3,795.64	-1,748.67	3,598.97	3,227.51	371.46	9.689		
11,900.00	7,244.73	7,204.73	7,204.73	141.47	249.79	-90.06	-3,795.64	-1,748.67	3,648.41	3,276.13	372.27	9.800		
12,000.00	7,244.92	7,204.92	7,204.92	144.24	249.80	-90.07	-3,795.64	-1,748.67	3,699.89	3,326.89	373.00	9.919		
12,100.00	7,245.10	7,205.10	7,205.10	147.01	249.81	-90.07	-3,795.64	-1,748.67	3,753.34	3,379.68	373.66	10.045		
12,200.00	7,245.29	7,205.29	7,205.29	149.78	249.81	-90.07	-3,795.64	-1,748.67	3,808.66	3,434.42	374.24	10.177		
12,300.00	7,245.48	7,205.48	7,205.48	152.56	249.82	-90.08	-3,795.64	-1,748.67	3,865.77	3,491.03	374.75	10.316		
12,400.00	7,245.66	7,205.66	7,205.66	155.34	249.83	-90.08	-3,795.64	-1,748.67	3,924.61	3,549.41	375.19	10.460		
12,500.00	7,245.85	7,205.85	7,205.85	158.12	249.83	-90.08	-3,795.64	-1,748.67	3,985.08	3,609.50	375.58	10.610		
12,600.00	7,246.04	7,206.04	7,206.04	160.91	249.84	-90.09	-3,795.64	-1,748.67	4,047.12	3,671.21	375.91	10.766		
12,700.00	7,246.22	7,206.22	7,206.22	163.70	249.85	-90.09	-3,795.64	-1,748.67	4,110.66	3,734.46	376.19	10.927		
12,800.00	7,246.41	7,206.41	7,206.41	166.49	249.85	-90.09	-3,795.64	-1,748.67	4,175.62	3,799.20	376.43	11.093		
12,900.00	7,246.59	7,206.59	7,206.59	169.28	249.86	-90.10	-3,795.64	-1,748.67	4,241.95	3,865.34	376.62	11.263		
13,000.00	7,246.78	7,206.78	7,206.78	172.08	249.87	-90.10	-3,795.64	-1,748.67	4,309.58	3,932.81	376.77	11.438		
13,100.00	7,246.97	7,206.97	7,206.97	174.88	249.87	-90.10	-3,795.64	-1,748.67	4,378.45	4,001.57	376.88	11.618		
13,200.00	7,247.15	7,207.15	7,207.15	177.68	249.88	-90.11	-3,795.64	-1,748.67	4,448.50	4,071.54	376.96	11.801		
13,300.00	7,247.34	7,207.34	7,207.34	180.48	249.88	-90.11	-3,795.64	-1,748.67	4,519.68	4,142.66	377.01	11.988		
13,400.00	7,247.53	7,207.53	7,207.53	183.28	249.89	-90.11	-3,795.64	-1,748.67	4,591.93	4,214.89	377.03	12.179		
13,500.00	7,247.71	7,207.71	7,207.71	186.09	249.90	-90.12	-3,795.64	-1,748.67	4,665.20	4,288.17	377.03	12.373		
13,600.00	7,247.90	7,207.90	7,207.90	188.90	249.90	-90.12	-3,795.64	-1,748.67	4,739.46	4,362.45	377.01	12.571		
13,700.00	7,248.08	7,208.08	7,208.08	191.70	249.91	-90.12	-3,795.64	-1,748.67	4,814.64	4,437.68	376.96	12.772		
13,800.00	7,248.27	7,208.27	7,208.27	194.52	249.92	-90.13	-3,795.64	-1,748.67	4,890.72	4,513.82	376.90	12.976		
13,900.00	7,248.46	7,208.46	7,208.46	197.33	249.92	-90.13	-3,795.64	-1,748.67	4,967.64	4,590.83	376.81	13.183		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	7,208.64	7,208.64	200.14	249.93	-90.13	-3,795.64	-1,748.67	5,045.37	4,668.65	376.72	13.393		
14,100.00	7,248.83	7,208.83	7,208.83	202.95	249.94	-90.14	-3,795.64	-1,748.67	5,123.87	4,747.27	376.61	13.605		
14,200.00	7,249.02	7,209.02	7,209.02	205.77	249.94	-90.14	-3,795.64	-1,748.67	5,203.12	4,826.63	376.49	13.820		
14,300.00	7,249.20	7,209.20	7,209.20	208.59	249.95	-90.14	-3,795.64	-1,748.67	5,283.06	4,906.71	376.35	14.038		
14,400.00	7,249.39	7,209.39	7,209.39	211.41	249.96	-90.15	-3,795.64	-1,748.67	5,363.68	4,987.47	376.21	14.257		
14,500.00	7,249.58	7,209.58	7,209.58	214.23	249.96	-90.15	-3,795.64	-1,748.67	5,444.94	5,068.88	376.06	14.479		
14,600.00	7,249.76	7,209.76	7,209.76	217.05	249.97	-90.15	-3,795.64	-1,748.67	5,526.82	5,150.91	375.90	14.703		
14,700.00	7,249.95	7,209.95	7,209.95	219.87	249.98	-90.16	-3,795.64	-1,748.67	5,609.28	5,233.54	375.74	14.929		
14,800.00	7,250.13	7,210.13	7,210.13	222.69	249.98	-90.16	-3,795.64	-1,748.67	5,692.31	5,316.74	375.57	15.156		
14,900.00	7,250.32	7,210.32	7,210.32	225.51	249.99	-90.16	-3,795.64	-1,748.67	5,775.87	5,400.47	375.40	15.386		
15,000.00	7,250.51	7,210.51	7,210.51	228.34	250.00	-90.17	-3,795.64	-1,748.67	5,859.95	5,484.73	375.22	15.617		
15,100.00	7,250.69	7,210.69	7,210.69	231.16	250.00	-90.17	-3,795.64	-1,748.67	5,944.52	5,569.48	375.04	15.850		
15,200.00	7,250.88	7,210.88	7,210.88	233.99	250.01	-90.17	-3,795.64	-1,748.67	6,029.57	5,654.71	374.86	16.085		
15,300.00	7,251.07	7,211.07	7,211.07	236.82	250.01	-90.18	-3,795.64	-1,748.67	6,115.06	5,740.39	374.67	16.321		
15,400.00	7,251.25	7,211.25	7,211.25	239.65	250.02	-90.18	-3,795.64	-1,748.67	6,200.99	5,826.51	374.49	16.559		
15,500.00	7,251.44	7,211.44	7,211.44	242.47	250.03	-90.18	-3,795.64	-1,748.67	6,287.34	5,913.04	374.30	16.798		
15,600.00	7,251.62	7,211.62	7,211.62	245.30	250.03	-90.19	-3,795.64	-1,748.67	6,374.09	5,999.98	374.11	17.038		
15,700.00	7,251.81	7,211.81	7,211.81	248.13	250.04	-90.19	-3,795.64	-1,748.67	6,461.22	6,087.29	373.92	17.280		
15,800.00	7,252.00	7,212.00	7,212.00	250.97	250.05	-90.19	-3,795.64	-1,748.67	6,548.71	6,174.98	373.73	17.522		
15,900.00	7,252.18	7,212.18	7,212.18	253.80	250.05	-90.20	-3,795.64	-1,748.67	6,636.56	6,263.02	373.54	17.766		
16,000.00	7,252.37	7,212.37	7,212.37	256.63	250.06	-90.20	-3,795.64	-1,748.67	6,724.75	6,351.40	373.36	18.012		
16,100.00	7,252.56	7,212.56	7,212.56	259.46	250.07	-90.20	-3,795.64	-1,748.67	6,813.27	6,440.10	373.17	18.258		
16,200.00	7,252.74	7,212.74	7,212.74	262.30	250.07	-90.21	-3,795.64	-1,748.67	6,902.10	6,529.11	372.98	18.505		
16,300.00	7,252.93	7,212.93	7,212.93	265.13	250.08	-90.21	-3,795.64	-1,748.67	6,991.23	6,618.43	372.80	18.753		
16,400.00	7,253.11	7,213.11	7,213.11	267.96	250.09	-90.21	-3,795.64	-1,748.67	7,080.65	6,708.03	372.61	19.003		
16,500.00	7,253.30	7,213.30	7,213.30	270.80	250.09	-90.22	-3,795.64	-1,748.67	7,170.35	6,797.92	372.43	19.253		
16,600.00	7,253.49	7,213.49	7,213.49	273.64	250.10	-90.22	-3,795.64	-1,748.67	7,260.32	6,888.07	372.25	19.504		
16,700.00	7,253.67	7,213.67	7,213.67	276.47	250.11	-90.23	-3,795.64	-1,748.67	7,350.55	6,978.48	372.07	19.756		
16,800.00	7,253.86	7,213.86	7,213.86	279.31	250.11	-90.23	-3,795.64	-1,748.67	7,441.03	7,069.13	371.90	20.008		
16,900.00	7,254.05	7,214.05	7,214.05	282.15	250.12	-90.23	-3,795.64	-1,748.67	7,531.75	7,160.02	371.72	20.262		
17,000.00	7,254.23	7,214.23	7,214.23	284.98	250.13	-90.24	-3,795.64	-1,748.67	7,622.70	7,251.15	371.55	20.516		
17,100.00	7,254.42	7,214.42	7,214.42	287.82	250.13	-90.24	-3,795.64	-1,748.67	7,713.87	7,342.50	371.38	20.771		
17,200.00	7,254.61	7,214.61	7,214.61	290.66	250.14	-90.24	-3,795.64	-1,748.67	7,805.27	7,434.06	371.21	21.026		
17,300.00	7,254.79	7,214.79	7,214.79	293.50	250.14	-90.25	-3,795.64	-1,748.67	7,896.87	7,525.82	371.05	21.283		
17,400.00	7,254.98	7,214.98	7,214.98	296.34	250.15	-90.25	-3,795.64	-1,748.67	7,988.67	7,617.79	370.88	21.540		
17,500.00	7,255.16	7,215.16	7,215.16	299.18	250.16	-90.25	-3,795.64	-1,748.67	8,080.67	7,709.94	370.72	21.797		
17,600.00	7,255.35	7,215.35	7,215.35	302.02	250.16	-90.26	-3,795.64	-1,748.67	8,172.85	7,802.29	370.56	22.055		
17,700.00	7,255.54	7,215.54	7,215.54	304.86	250.17	-90.26	-3,795.64	-1,748.67	8,265.22	7,894.81	370.41	22.314		
17,800.00	7,255.72	7,215.72	7,215.72	307.70	250.18	-90.26	-3,795.64	-1,748.67	8,357.76	7,987.51	370.25	22.573		
17,900.00	7,255.91	7,215.91	7,215.91	310.54	250.18	-90.27	-3,795.64	-1,748.67	8,450.47	8,080.37	370.10	22.833		
18,000.00	7,256.10	7,216.10	7,216.10	313.39	250.19	-90.27	-3,795.64	-1,748.67	8,543.35	8,173.39	369.95	23.093		
18,100.00	7,256.28	7,216.28	7,216.28	316.23	250.20	-90.27	-3,795.64	-1,748.67	8,636.38	8,266.58	369.81	23.354		
18,200.00	7,256.47	7,216.47	7,216.47	319.07	250.20	-90.28	-3,795.64	-1,748.67	8,729.57	8,359.91	369.66	23.615		
18,300.00	7,256.65	7,216.65	7,216.65	321.91	250.21	-90.28	-3,795.64	-1,748.67	8,822.91	8,453.39	369.52	23.877		
18,400.00	7,256.84	7,216.84	7,216.84	324.76	250.22	-90.28	-3,795.64	-1,748.67	8,916.39	8,547.01	369.38	24.139		
18,500.00	7,257.03	7,217.03	7,217.03	327.60	250.22	-90.29	-3,795.64	-1,748.67	9,010.02	8,640.77	369.25	24.401		
18,600.00	7,257.21	7,217.21	7,217.21	330.44	250.23	-90.29	-3,795.64	-1,748.67	9,103.78	8,734.66	369.11	24.664		
18,700.00	7,257.40	7,217.40	7,217.40	333.29	250.24	-90.29	-3,795.64	-1,748.67	9,197.67	8,828.68	368.98	24.927		
18,800.00	7,257.59	7,217.59	7,217.59	336.13	250.24	-90.30	-3,795.64	-1,748.67	9,291.68	8,922.83	368.85	25.191		
18,900.00	7,257.77	7,217.77	7,217.77	338.98	250.25	-90.30	-3,795.64	-1,748.67	9,385.82	9,017.10	368.73	25.455		
19,000.00	7,257.96	7,217.96	7,217.96	341.82	250.26	-90.30	-3,795.64	-1,748.67	9,480.09	9,111.48	368.60	25.719		
19,022.43	7,258.00	7,218.00	7,218.00	342.46	250.26	-90.30	-3,795.64	-1,748.67	9,501.24	9,132.67	368.57	25.778		

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

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	141.76	-642.63	506.43	818.27					
100.00	100.00	93.61	93.61	3.28	0.21	141.79	-642.66	505.96	817.94	814.45	3.49	234.220		
200.00	200.00	198.77	198.75	3.34	0.44	141.88	-642.77	504.33	817.06	813.29	3.78	216.300		
300.00	300.00	303.88	303.82	3.44	0.68	142.05	-642.96	501.52	815.56	811.44	4.12	197.941		
400.00	399.98	414.92	414.81	3.60	1.08	26.32	-642.45	497.86	811.63	806.94	4.69	173.135		
500.00	499.84	520.05	519.87	3.79	1.54	26.59	-639.65	495.29	803.33	797.99	5.35	150.270		
600.00	599.45	622.94	622.67	4.03	1.98	26.95	-635.96	493.19	791.47	785.44	6.03	131.230		
700.00	698.70	725.27	724.88	4.30	2.43	27.41	-631.39	491.49	776.09	769.34	6.75	115.017		
800.00	797.47	826.88	826.34	4.61	2.87	27.99	-625.98	490.20	757.23	749.74	7.49	101.104		
900.00	895.62	925.46	924.75	4.96	3.30	28.71	-620.30	489.16	735.18	726.93	8.24	89.178		
939.50	934.20	965.85	965.06	5.10	3.48	29.06	-617.89	488.62	725.54	716.98	8.56	84.764		
1,000.00	993.20	1,025.20	1,024.30	5.33	3.74	29.50	-614.34	487.54	710.27	701.24	9.03	78.680		
1,100.00	1,090.72	1,129.34	1,128.24	5.73	4.20	30.47	-609.15	484.01	685.09	675.25	9.84	69.603		
1,200.00	1,188.24	1,251.96	1,250.32	6.15	4.74	31.88	-600.78	476.27	657.00	646.24	10.76	61.083		
1,300.00	1,285.76	1,371.27	1,368.59	6.59	5.28	33.38	-588.57	466.51	625.48	613.83	11.65	53.680		
1,400.00	1,383.28	1,486.76	1,482.41	7.04	5.81	34.88	-572.20	455.85	590.50	577.98	12.53	47.144		
1,500.00	1,480.80	1,587.73	1,581.39	7.50	6.27	36.16	-554.33	446.93	553.11	539.76	13.35	41.436		
1,600.00	1,578.31	1,686.69	1,678.24	7.96	6.73	37.39	-535.47	439.43	515.45	501.28	14.17	36.380		
1,700.00	1,675.83	1,778.36	1,767.67	8.44	7.16	38.76	-516.89	431.59	476.53	461.54	14.99	31.792		
1,800.00	1,773.35	1,866.33	1,853.63	8.92	7.57	40.46	-500.19	423.32	438.62	422.79	15.83	27.712		
1,900.00	1,870.87	1,956.76	1,942.13	9.40	8.00	42.46	-483.39	415.35	401.71	385.03	16.69	24.076		
2,000.00	1,968.39	2,054.27	2,037.42	9.89	8.46	44.85	-464.19	407.66	364.70	347.16	17.54	20.790		
2,100.00	2,065.91	2,140.10	2,121.35	10.39	8.87	47.48	-447.70	400.58	328.59	310.13	18.46	17.804		
2,200.00	2,163.43	2,232.30	2,211.64	10.88	9.31	50.95	-430.54	393.14	293.97	274.60	19.38	15.171		
2,300.00	2,260.95	2,327.37	2,304.66	11.38	9.77	55.08	-411.95	386.89	260.02	239.71	20.31	12.805		
2,400.00	2,358.46	2,415.49	2,390.95	11.89	10.19	59.78	-394.85	381.81	227.82	206.50	21.33	10.682		
2,500.00	2,455.98	2,509.78	2,483.41	12.39	10.64	66.24	-377.09	376.56	198.27	175.91	22.35	8.870		
2,600.00	2,553.50	2,606.15	2,577.63	12.89	11.10	74.83	-357.48	371.59	170.39	146.98	23.41	7.280		
2,700.00	2,651.02	2,695.96	2,665.36	13.40	11.53	85.48	-338.87	366.79	147.04	122.42	24.62	5.972		
2,800.00	2,748.54	2,788.21	2,755.46	13.91	11.98	99.56	-319.98	360.93	131.88	106.10	25.78	5.115		
2,877.41	2,824.03	2,857.97	2,823.54	14.31	12.32	111.80	-305.65	355.80	127.89	101.33	26.56	4.816 CC, ES		
2,900.00	2,846.06	2,878.37	2,843.47	14.42	12.42	115.41	-301.59	354.25	128.23	101.49	26.74	4.795 SF		
3,000.00	2,943.58	2,968.88	2,931.92	14.93	12.86	130.67	-283.88	346.91	137.49	110.12	27.37	5.024		
3,100.00	3,041.10	3,060.45	3,021.66	15.45	13.30	143.16	-267.35	339.20	157.05	129.18	27.87	5.635		
3,200.00	3,138.61	3,153.76	3,113.53	15.96	13.74	152.21	-252.88	331.72	182.50	154.04	28.47	6.411		
3,300.00	3,236.13	3,251.25	3,209.80	16.47	14.20	158.98	-239.09	325.01	210.19	180.96	29.23	7.192		
3,400.00	3,333.65	3,346.67	3,304.28	16.99	14.64	163.78	-226.86	319.53	238.58	208.59	29.99	7.955		
3,500.00	3,431.17	3,444.78	3,401.71	17.50	15.08	167.17	-216.63	314.38	267.17	236.33	30.84	8.662		
3,600.00	3,528.69	3,542.92	3,499.42	18.02	15.52	169.48	-208.71	309.71	295.35	263.65	31.71	9.315		
3,700.00	3,626.21	3,647.85	3,604.06	18.54	15.97	171.33	-201.71	306.40	322.02	289.35	32.67	9.857		
3,800.00	3,723.73	3,754.75	3,710.85	19.06	16.43	172.72	-196.78	306.14	345.56	311.94	33.62	10.278		
3,900.00	3,821.25	3,854.60	3,810.63	19.57	16.84	173.74	-193.35	307.23	367.67	333.18	34.49	10.660		
4,000.00	3,918.77	3,951.10	3,907.07	20.09	17.24	174.59	-190.30	308.43	389.62	354.29	35.33	11.027		
4,100.00	4,016.28	4,046.11	4,002.06	20.61	17.64	175.15	-188.29	308.69	412.17	376.01	36.17	11.396		
4,200.00	4,113.80	4,143.44	4,099.38	21.13	18.04	175.56	-186.89	308.30	435.11	398.08	37.03	11.750		
4,300.00	4,211.32	4,240.58	4,196.51	21.65	18.44	175.86	-185.99	307.91	457.89	420.00	37.89	12.086		
4,400.00	4,308.84	4,336.04	4,291.96	22.17	18.82	175.88	-186.84	306.51	480.97	442.25	38.72	12.420		
4,500.00	4,406.36	4,436.58	4,392.46	22.69	19.21	175.80	-188.60	304.63	504.12	464.51	39.61	12.728		
4,600.00	4,503.88	4,540.23	4,496.06	23.21	19.62	175.64	-191.47	303.51	526.17	485.66	40.51	12.989		
4,700.00	4,601.40	4,637.43	4,593.21	23.73	19.99	175.47	-194.76	302.91	547.59	506.23	41.36	13.240		
4,800.00	4,698.92	4,734.63	4,690.39	24.26	20.37	175.45	-196.61	302.64	569.22	527.02	42.20	13.488		
4,900.00	4,796.43	4,834.56	4,790.31	24.78	20.77	175.58	-197.31	303.02	590.70	547.63	43.07	13.715		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,932.49	4,888.24	25.30	21.16	175.71	-197.90	303.69	611.94	568.02	43.92	13.933		
5,100.00	4,991.47	5,029.05	4,984.80	25.82	21.54	175.80	-198.74	304.16	633.27	588.51	44.76	14.148		
5,200.00	5,088.99	5,127.33	5,083.07	26.34	21.93	175.86	-199.88	304.47	654.64	609.02	45.62	14.350		
5,300.00	5,186.51	5,214.19	5,169.93	26.87	22.28	175.90	-200.75	304.06	676.78	630.39	46.39	14.590		
5,400.00	5,284.03	5,310.55	5,266.28	27.39	22.68	176.00	-200.68	303.12	699.77	652.52	47.25	14.811		
5,500.00	5,381.55	5,405.93	5,361.65	27.91	23.08	176.19	-199.54	302.46	722.92	674.82	48.10	15.029		
5,600.00	5,479.07	5,492.45	5,448.15	28.43	23.45	176.33	-198.42	301.10	746.91	698.04	48.87	15.284		
5,700.00	5,576.58	5,609.91	5,565.59	28.96	23.94	176.46	-197.70	299.47	770.52	720.58	49.94	15.429		
5,800.00	5,674.10	5,716.40	5,672.07	29.48	24.38	176.48	-199.05	299.81	791.84	740.96	50.88	15.563		
5,900.00	5,771.62	5,811.08	5,766.73	30.00	24.76	176.47	-200.71	299.86	813.23	761.51	51.72	15.725		
6,000.00	5,869.14	5,913.63	5,869.27	30.53	25.18	176.59	-200.96	301.22	834.02	781.41	52.62	15.851		
6,100.00	5,966.66	6,004.90	5,960.54	31.05	25.56	176.71	-200.69	302.21	855.26	801.83	53.43	16.007		
6,200.00	6,064.18	6,100.05	6,055.69	31.58	25.95	176.84	-200.23	302.81	876.97	822.70	54.28	16.158		
6,300.00	6,161.70	6,197.65	6,153.28	32.10	26.35	176.93	-200.14	303.12	898.83	843.69	55.14	16.300		
6,400.00	6,259.22	6,294.24	6,249.87	32.62	26.75	176.98	-200.61	303.25	920.64	864.64	56.00	16.440		
6,500.00	6,356.74	6,388.62	6,344.25	33.15	27.14	177.02	-200.95	303.08	942.77	885.93	56.84	16.586		
6,600.00	6,454.25	7,857.25	7,239.08	33.67	37.26	-138.39	-184.90	1,150.03	889.63	854.93	34.70	25.638		
6,623.48	6,477.15	7,862.32	7,239.28	33.80	37.34	-137.86	-184.79	1,155.10	870.45	834.89	35.56	24.476		
6,650.00	6,503.12	7,867.61	7,239.49	33.93	37.42	-139.76	-184.67	1,160.38	848.91	812.33	36.58	23.207		
6,700.00	6,552.50	7,874.98	7,239.80	34.16	37.54	-151.85	-184.52	1,167.74	808.49	769.89	38.60	20.944		
6,750.00	6,602.21	7,878.82	7,239.96	34.36	37.60	176.44	-184.44	1,171.57	768.68	727.91	40.77	18.854		
6,800.00	6,651.92	7,878.99	7,239.97	34.54	37.60	143.06	-184.44	1,171.74	729.90	686.82	43.08	16.943		
6,850.00	6,701.33	7,875.36	7,239.81	34.70	37.54	128.01	-184.51	1,168.12	692.59	647.05	45.53	15.210		
6,900.00	6,750.14	7,867.84	7,239.50	34.86	37.42	122.13	-184.67	1,160.61	657.17	609.06	48.11	13.659		
6,950.00	6,798.04	7,856.33	7,239.04	35.02	37.24	119.46	-184.93	1,149.11	624.08	573.30	50.78	12.289		
7,000.00	6,844.75	7,840.79	7,238.47	35.19	36.99	117.85	-185.32	1,133.59	593.68	540.20	53.49	11.099		
7,050.00	6,889.97	7,821.20	7,237.82	35.37	36.68	116.45	-185.88	1,114.01	566.30	510.14	56.16	10.084		
7,100.00	6,933.42	7,797.55	7,237.15	35.57	36.32	114.91	-186.67	1,090.39	542.15	483.43	58.72	9.233		
7,150.00	6,974.83	7,770.30	7,236.37	35.79	35.92	113.12	-187.61	1,063.16	521.35	460.23	61.12	8.530		
7,200.00	7,013.96	7,739.96	7,235.43	36.02	35.49	111.06	-188.65	1,032.86	503.92	440.66	63.26	7.965		
7,250.00	7,050.56	7,709.00	7,234.38	36.28	35.05	108.93	-189.71	1,001.93	489.79	424.66	65.13	7.520		
7,300.00	7,084.39	7,681.49	7,233.44	36.57	34.69	107.06	-190.34	974.45	479.14	412.35	66.79	7.174		
7,350.00	7,115.27	7,652.28	7,232.46	36.89	34.31	104.99	-190.34	945.26	472.11	403.98	68.13	6.929		
7,400.00	7,142.99	7,610.47	7,230.69	37.25	33.82	102.01	-189.99	903.49	467.82	398.79	69.03	6.777		
7,450.00	7,167.38	7,568.52	7,228.24	37.65	33.32	99.15	-189.62	861.61	465.47	395.81	69.66	6.682		
7,500.00	7,188.30	7,514.07	7,222.11	38.08	32.76	95.55	-189.36	807.54	464.27	394.29	69.98	6.634		
7,550.00	7,205.61	7,464.03	7,211.10	38.55	32.27	92.06	-189.64	758.74	463.67	393.46	70.21	6.604		
7,567.36	7,210.75	7,447.04	7,206.42	38.73	32.12	90.86	-189.87	742.41	463.63	393.36	70.27	6.598		
7,600.00	7,219.20	7,415.45	7,196.86	39.06	31.85	88.66	-190.51	712.32	463.76	393.43	70.32	6.595		
7,650.00	7,229.00	7,368.36	7,180.54	39.61	31.46	85.47	-191.97	668.18	464.37	394.07	70.30	6.606		
7,700.00	7,234.95	7,324.64	7,162.60	40.18	31.17	82.53	-193.80	628.36	465.50	395.23	70.27	6.624		
7,750.07	7,237.00	7,282.67	7,142.63	40.78	30.89	79.72	-195.94	591.51	467.18	397.00	70.17	6.657		
7,800.00	7,237.09	7,251.94	7,126.15	41.41	30.72	77.69	-197.51	565.63	470.32	399.99	70.33	6.687		
7,900.00	7,237.28	7,199.51	7,093.85	42.79	30.45	73.82	-199.36	524.43	485.08	414.51	70.57	6.874		
8,000.00	7,237.47	7,148.21	7,057.84	44.31	30.21	69.67	-200.51	487.93	511.70	441.30	70.39	7.269		
8,100.00	7,237.65	7,103.07	7,023.50	45.97	30.02	65.89	-201.74	458.66	549.25	479.19	70.06	7.840		
8,200.00	7,237.84	7,067.09	6,994.61	47.75	29.88	62.86	-202.71	437.26	597.07	527.25	69.82	8.551		
8,300.00	7,238.02	7,036.24	6,968.98	49.63	29.75	60.32	-203.13	420.09	653.85	584.23	69.62	9.392		
8,400.00	7,238.21	6,999.00	6,937.09	51.61	29.61	57.35	-203.09	400.87	718.08	648.92	69.16	10.384		
8,500.00	7,238.40	6,999.00	6,937.09	53.66	29.61	57.35	-203.09	400.87	788.14	718.52	69.63	11.320		
8,600.00	7,238.58	6,960.29	6,902.96	55.79	29.46	54.41	-202.62	382.62	862.36	793.26	69.10	12.479		
8,700.00	7,238.77	6,939.44	6,884.21	57.99	29.38	52.88	-202.27	373.50	940.55	871.57	68.97	13.636		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,904.00	6,851.81	60.24	29.24	50.40	-201.50	359.19	1,022.03	953.45	68.59	14.901		
8,900.00	7,239.14	6,904.00	6,851.81	62.54	29.24	50.40	-201.50	359.19	1,105.34	1,036.56	68.79	16.069		
9,000.00	7,239.33	6,904.00	6,851.81	64.88	29.24	50.40	-201.50	359.19	1,191.22	1,122.33	68.90	17.290		
9,100.00	7,239.52	6,869.30	6,819.48	67.27	29.11	48.08	-201.02	346.60	1,278.12	1,209.54	68.58	18.638		
9,200.00	7,239.70	6,854.58	6,805.61	69.69	29.05	47.13	-201.04	341.67	1,366.68	1,298.18	68.50	19.952		
9,300.00	7,239.89	6,841.27	6,792.99	72.15	29.00	46.27	-201.17	337.44	1,456.41	1,387.98	68.43	21.283		
9,400.00	7,240.07	6,812.00	6,765.02	74.63	28.88	44.43	-201.83	328.86	1,547.39	1,479.18	68.21	22.685		
9,500.00	7,240.26	6,812.00	6,765.02	77.14	28.88	44.43	-201.83	328.86	1,638.78	1,570.52	68.27	24.006		
9,600.00	7,240.45	6,812.00	6,765.02	79.68	28.88	44.43	-201.83	328.86	1,731.13	1,662.83	68.30	25.346		
9,700.00	7,240.63	6,812.00	6,765.02	82.23	28.88	44.43	-201.83	328.86	1,824.28	1,755.97	68.32	26.704		
9,800.00	7,240.82	6,812.00	6,765.02	84.81	28.88	44.43	-201.83	328.86	1,918.12	1,849.80	68.32	28.076		
9,900.00	7,241.01	6,812.00	6,765.02	87.40	28.88	44.43	-201.83	328.86	2,012.56	1,944.24	68.32	29.459		
10,000.00	7,241.19	6,812.00	6,765.02	90.01	28.88	44.43	-201.83	328.86	2,107.51	2,039.20	68.31	30.853		
10,100.00	7,241.38	6,776.64	6,730.82	92.64	28.74	42.34	-202.58	319.93	2,201.72	2,133.57	68.14	32.309		
10,200.00	7,241.56	6,771.36	6,725.68	95.28	28.72	42.04	-202.63	318.74	2,297.14	2,229.02	68.12	33.720		
10,300.00	7,241.75	6,766.40	6,720.83	97.93	28.70	41.76	-202.67	317.65	2,392.90	2,324.79	68.11	35.135		
10,400.00	7,241.94	6,761.72	6,716.26	100.59	28.68	41.51	-202.68	316.66	2,488.94	2,420.85	68.09	36.554		
10,500.00	7,242.12	6,757.31	6,711.94	103.26	28.66	41.27	-202.69	315.74	2,585.25	2,517.17	68.08	37.976		
10,600.00	7,242.31	6,718.00	6,673.27	105.95	28.51	39.24	-202.25	308.76	2,682.91	2,614.94	67.97	39.471		
10,700.00	7,242.50	6,718.00	6,673.27	108.64	28.51	39.24	-202.25	308.76	2,779.43	2,711.45	67.98	40.886		
10,800.00	7,242.68	6,718.00	6,673.27	111.34	28.51	39.24	-202.25	308.76	2,876.18	2,808.19	67.99	42.305		
10,900.00	7,242.87	6,718.00	6,673.27	114.05	28.51	39.24	-202.25	308.76	2,973.15	2,905.16	67.99	43.727		
11,000.00	7,243.05	6,718.00	6,673.27	116.76	28.51	39.24	-202.25	308.76	3,070.32	3,002.32	68.00	45.152		
11,100.00	7,243.24	6,718.00	6,673.27	119.49	28.51	39.24	-202.25	308.76	3,167.66	3,099.65	68.01	46.580		
11,200.00	7,243.43	6,718.00	6,673.27	122.22	28.51	39.24	-202.25	308.76	3,265.16	3,197.15	68.01	48.009		
11,300.00	7,243.61	6,718.00	6,673.27	124.95	28.51	39.24	-202.25	308.76	3,362.81	3,294.79	68.02	49.439		
11,400.00	7,243.80	6,718.00	6,673.27	127.69	28.51	39.24	-202.25	308.76	3,460.59	3,392.56	68.03	50.870		
11,500.00	7,243.99	6,718.00	6,673.27	130.44	28.51	39.24	-202.25	308.76	3,558.50	3,490.46	68.04	52.303		
11,600.00	7,244.17	6,718.00	6,673.27	133.19	28.51	39.24	-202.25	308.76	3,656.52	3,588.47	68.05	53.736		
11,700.00	7,244.36	6,718.00	6,673.27	135.94	28.51	39.24	-202.25	308.76	3,754.64	3,686.58	68.06	55.168		
11,800.00	7,244.55	6,718.00	6,673.27	138.70	28.51	39.24	-202.25	308.76	3,852.86	3,784.79	68.07	56.601		
11,900.00	7,244.73	6,718.00	6,673.27	141.47	28.51	39.24	-202.25	308.76	3,951.17	3,883.09	68.08	58.034		
12,000.00	7,244.92	6,718.00	6,673.27	144.24	28.51	39.24	-202.25	308.76	4,049.56	3,981.46	68.10	59.466		
12,100.00	7,245.10	6,718.00	6,673.27	147.01	28.51	39.24	-202.25	308.76	4,148.03	4,079.92	68.11	60.898		
12,200.00	7,245.29	6,718.00	6,673.27	149.78	28.51	39.24	-202.25	308.76	4,246.57	4,178.44	68.13	62.328		
12,300.00	7,245.48	6,718.00	6,673.27	152.56	28.51	39.24	-202.25	308.76	4,345.18	4,277.03	68.15	63.758		
12,400.00	7,245.66	6,718.00	6,673.27	155.34	28.51	39.24	-202.25	308.76	4,443.85	4,375.68	68.17	65.186		
12,500.00	7,245.85	6,718.00	6,673.27	158.12	28.51	39.24	-202.25	308.76	4,542.58	4,474.39	68.19	66.613		
12,600.00	7,246.04	6,718.00	6,673.27	160.91	28.51	39.24	-202.25	308.76	4,641.36	4,573.14	68.22	68.039		
12,700.00	7,246.22	6,718.00	6,673.27	163.70	28.51	39.24	-202.25	308.76	4,740.19	4,671.95	68.24	69.463		
12,800.00	7,246.41	6,718.00	6,673.27	166.49	28.51	39.24	-202.25	308.76	4,839.08	4,770.81	68.27	70.885		
12,900.00	7,246.59	6,718.00	6,673.27	169.28	28.51	39.24	-202.25	308.76	4,938.00	4,869.71	68.29	72.306		
13,000.00	7,246.78	6,718.00	6,673.27	172.08	28.51	39.24	-202.25	308.76	5,036.97	4,968.65	68.32	73.724		
13,100.00	7,246.97	6,718.00	6,673.27	174.88	28.51	39.24	-202.25	308.76	5,135.98	5,067.63	68.35	75.141		
13,200.00	7,247.15	6,718.00	6,673.27	177.68	28.51	39.24	-202.25	308.76	5,235.03	5,166.64	68.38	76.555		
13,300.00	7,247.34	6,718.00	6,673.27	180.48	28.51	39.24	-202.25	308.76	5,334.11	5,265.69	68.41	77.967		
13,400.00	7,247.53	6,718.00	6,673.27	183.28	28.51	39.24	-202.25	308.76	5,433.22	5,364.78	68.45	79.377		
13,500.00	7,247.71	6,718.00	6,673.27	186.09	28.51	39.24	-202.25	308.76	5,532.37	5,463.89	68.48	80.784		
13,600.00	7,247.90	6,718.00	6,673.27	188.90	28.51	39.24	-202.25	308.76	5,631.55	5,563.03	68.52	82.188		
13,700.00	7,248.08	6,718.00	6,673.27	191.70	28.51	39.24	-202.25	308.76	5,730.76	5,662.20	68.56	83.590		
13,800.00	7,248.27	6,718.00	6,673.27	194.52	28.51	39.24	-202.25	308.76	5,829.99	5,761.39	68.60	84.990		
13,900.00	7,248.46	6,718.00	6,673.27	197.33	28.51	39.24	-202.25	308.76	5,929.25	5,860.61	68.64	86.386		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,718.00	6,673.27	200.14	28.51	39.24	-202.25	308.76	6,028.53	5,959.85	68.68	87.780		
14,100.00	7,248.83	6,718.00	6,673.27	202.95	28.51	39.24	-202.25	308.76	6,127.84	6,059.12	68.72	89.171		
14,200.00	7,249.02	6,718.00	6,673.27	205.77	28.51	39.24	-202.25	308.76	6,227.17	6,158.40	68.76	90.559		
14,300.00	7,249.20	6,718.00	6,673.27	208.59	28.51	39.24	-202.25	308.76	6,326.52	6,257.71	68.81	91.944		
14,400.00	7,249.39	6,718.00	6,673.27	211.41	28.51	39.24	-202.25	308.76	6,425.89	6,357.03	68.85	93.325		
14,500.00	7,249.58	6,718.00	6,673.27	214.23	28.51	39.24	-202.25	308.76	6,525.28	6,456.38	68.90	94.704		
14,600.00	7,249.76	6,718.00	6,673.27	217.05	28.51	39.24	-202.25	308.76	6,624.69	6,555.74	68.95	96.079		
14,700.00	7,249.95	6,718.00	6,673.27	219.87	28.51	39.24	-202.25	308.76	6,724.11	6,655.11	69.00	97.451		
14,800.00	7,250.13	6,718.00	6,673.27	222.69	28.51	39.24	-202.25	308.76	6,823.55	6,754.50	69.05	98.820		
14,900.00	7,250.32	6,718.00	6,673.27	225.51	28.51	39.24	-202.25	308.76	6,923.01	6,853.91	69.10	100.185		
15,000.00	7,250.51	6,718.00	6,673.27	228.34	28.51	39.24	-202.25	308.76	7,022.49	6,953.33	69.16	101.547		
15,100.00	7,250.69	6,718.00	6,673.27	231.16	28.51	39.24	-202.25	308.76	7,121.98	7,052.77	69.21	102.905		
15,200.00	7,250.88	6,718.00	6,673.27	233.99	28.51	39.24	-202.25	308.76	7,221.48	7,152.21	69.26	104.260		
15,300.00	7,251.07	6,718.00	6,673.27	236.82	28.51	39.24	-202.25	308.76	7,320.99	7,251.67	69.32	105.611		
15,400.00	7,251.25	6,718.00	6,673.27	239.65	28.51	39.24	-202.25	308.76	7,420.52	7,351.15	69.38	106.959		
15,500.00	7,251.44	6,718.00	6,673.27	242.47	28.51	39.24	-202.25	308.76	7,520.06	7,450.63	69.44	108.303		
15,600.00	7,251.62	6,675.12	6,630.69	245.30	28.33	37.22	-201.54	303.78	7,617.99	7,548.51	69.48	109.636		
15,700.00	7,251.81	6,674.54	6,630.11	248.13	28.33	37.20	-201.54	303.74	7,717.51	7,647.97	69.54	110.972		
15,800.00	7,252.00	6,673.97	6,629.55	250.97	28.32	37.17	-201.53	303.69	7,817.05	7,747.44	69.61	112.305		
15,900.00	7,252.18	6,673.42	6,629.00	253.80	28.32	37.14	-201.53	303.65	7,916.59	7,846.93	69.67	113.634		
16,000.00	7,252.37	6,672.88	6,628.46	256.63	28.32	37.12	-201.52	303.61	8,016.15	7,946.42	69.73	114.959		
16,100.00	7,252.56	6,672.36	6,627.94	259.46	28.32	37.10	-201.52	303.57	8,115.72	8,045.92	69.79	116.280		
16,200.00	7,252.74	6,671.85	6,627.43	262.30	28.32	37.07	-201.51	303.53	8,215.29	8,145.43	69.86	117.597		
16,300.00	7,252.93	6,671.34	6,626.93	265.13	28.31	37.05	-201.51	303.49	8,314.88	8,244.95	69.93	118.911		
16,400.00	7,253.11	6,670.85	6,626.44	267.96	28.31	37.03	-201.50	303.45	8,414.47	8,344.48	69.99	120.220		
16,500.00	7,253.30	6,670.37	6,625.96	270.80	28.31	37.01	-201.50	303.42	8,514.08	8,444.02	70.06	121.526		
16,600.00	7,253.49	6,669.90	6,625.49	273.64	28.31	36.99	-201.50	303.38	8,613.69	8,543.56	70.13	122.827		
16,700.00	7,253.67	6,669.44	6,625.03	276.47	28.31	36.96	-201.49	303.35	8,713.31	8,643.12	70.20	124.125		
16,800.00	7,253.86	6,668.99	6,624.58	279.31	28.30	36.94	-201.49	303.32	8,812.95	8,742.68	70.27	125.418		
16,900.00	7,254.05	6,668.55	6,624.15	282.15	28.30	36.92	-201.48	303.29	8,912.58	8,842.24	70.34	126.707		
17,000.00	7,254.23	6,668.12	6,623.72	284.98	28.30	36.90	-201.48	303.26	9,012.23	8,941.82	70.41	127.992		
17,100.00	7,254.42	6,625.00	6,580.63	287.82	28.12	35.03	-201.41	301.81	9,113.48	9,043.01	70.47	129.330		
17,200.00	7,254.61	6,625.00	6,580.63	290.66	28.12	35.03	-201.41	301.81	9,213.11	9,142.57	70.54	130.607		
17,300.00	7,254.79	6,625.00	6,580.63	293.50	28.12	35.03	-201.41	301.81	9,312.74	9,242.13	70.62	131.879		
17,400.00	7,254.98	6,625.00	6,580.63	296.34	28.12	35.03	-201.41	301.81	9,412.39	9,341.70	70.69	133.147		
17,500.00	7,255.16	6,625.00	6,580.63	299.18	28.12	35.03	-201.41	301.81	9,512.04	9,441.27	70.77	134.411		
17,600.00	7,255.35	6,625.00	6,580.63	302.02	28.12	35.03	-201.41	301.81	9,611.70	9,540.85	70.85	135.671		
17,700.00	7,255.54	6,625.00	6,580.63	304.86	28.12	35.03	-201.41	301.81	9,711.37	9,640.44	70.92	136.927		
17,800.00	7,255.72	6,625.00	6,580.63	307.70	28.12	35.03	-201.41	301.81	9,811.04	9,740.04	71.00	138.178		
17,900.00	7,255.91	6,625.00	6,580.63	310.54	28.12	35.03	-201.41	301.81	9,910.72	9,839.64	71.08	139.425		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	135.86	-522.77	507.26	728.51					
100.00	100.00	92.74	92.73	3.28	3.29	135.96	-523.48	506.19	728.20	721.63	6.57	110.814		
200.00	200.00	197.39	197.29	3.34	3.32	136.30	-525.84	502.53	727.40	720.74	6.66	109.286		
300.00	300.00	305.81	305.64	3.44	3.42	136.54	-526.67	499.03	725.73	718.86	6.87	105.636		
400.00	399.98	432.38	432.09	3.60	3.62	20.62	-522.78	495.79	720.14	712.90	7.24	99.460		
500.00	499.84	558.47	557.77	3.79	3.89	20.85	-514.97	489.28	707.18	699.44	7.74	91.351		
600.00	599.45	657.58	656.36	4.03	4.14	21.18	-507.11	482.80	688.85	680.63	8.22	83.777		
700.00	698.70	830.13	826.69	4.30	4.66	22.14	-488.20	464.34	662.45	653.30	9.15	72.401		
800.00	797.47	917.18	911.78	4.61	4.96	22.97	-474.97	451.61	627.45	617.76	9.69	64.773		
900.00	895.62	991.41	984.74	4.96	5.22	23.87	-464.96	442.34	592.02	581.81	10.21	57.989		
939.50	934.20	1,021.86	1,014.78	5.10	5.33	24.30	-461.36	438.87	577.99	567.55	10.44	55.380		
1,000.00	993.20	1,069.40	1,061.78	5.33	5.50	24.85	-456.39	433.71	556.96	546.17	10.79	51.608		
1,100.00	1,090.72	1,164.07	1,155.43	5.73	5.86	26.12	-447.36	423.33	522.96	511.49	11.48	45.573		
1,200.00	1,188.24	1,263.51	1,253.71	6.15	6.25	27.66	-437.34	411.87	488.50	476.30	12.21	40.023		
1,300.00	1,285.76	1,350.93	1,340.14	6.59	6.60	29.12	-428.19	402.48	454.50	441.58	12.92	35.185		
1,400.00	1,383.28	1,443.86	1,432.09	7.04	6.98	30.84	-418.59	393.10	421.30	407.63	13.67	30.814		
1,500.00	1,480.80	1,539.63	1,526.83	7.50	7.38	32.87	-408.36	383.52	388.29	373.83	14.46	26.862		
1,600.00	1,578.31	1,635.55	1,621.64	7.96	7.78	35.21	-397.35	374.00	355.16	339.91	15.26	23.280		
1,700.00	1,675.83	1,723.43	1,708.59	8.44	8.15	37.68	-387.50	365.95	323.21	307.13	16.07	20.108		
1,800.00	1,773.35	1,817.68	1,801.92	8.92	8.55	40.86	-377.40	357.61	292.58	275.66	16.92	17.292		
1,900.00	1,870.87	1,914.34	1,897.58	9.40	8.97	44.87	-366.63	348.79	262.50	244.71	17.79	14.755		
2,000.00	1,968.39	2,004.85	1,987.13	9.89	9.36	49.41	-356.14	340.91	233.57	214.86	18.71	12.485		
2,100.00	2,065.91	2,092.85	2,074.45	10.39	9.74	54.80	-347.71	333.98	208.57	188.90	19.67	10.602		
2,200.00	2,163.43	2,182.56	2,163.73	10.88	10.12	61.34	-341.69	327.68	188.99	168.33	20.67	9.144		
2,300.00	2,260.95	2,273.35	2,254.29	11.38	10.49	68.70	-337.79	322.65	175.06	153.39	21.67	8.080		
2,400.00	2,358.46	2,365.48	2,346.29	11.89	10.87	76.84	-336.45	317.92	167.59	144.95	22.64	7.403		
2,500.00	2,455.98	2,463.12	2,443.89	12.39	11.26	85.06	-336.67	315.18	165.06	141.45	23.61	6.992		
2,536.44	2,491.52	2,499.20	2,479.95	12.57	11.40	88.21	-336.41	314.08	164.76	140.81	23.95	6.878 CC, ES		
2,600.00	2,553.50	2,557.42	2,538.14	12.89	11.63	93.17	-336.65	312.30	166.06	141.56	24.50	6.777		
2,700.00	2,651.02	2,655.89	2,636.57	13.40	12.01	100.57	-338.96	310.65	171.71	146.33	25.38	6.765		
2,800.00	2,748.54	2,757.38	2,738.03	13.91	12.40	107.14	-340.75	311.57	177.93	151.67	26.26	6.776		
2,900.00	2,846.06	2,853.99	2,834.63	14.42	12.79	113.84	-339.77	310.90	185.68	158.60	27.08	6.858		
3,000.00	2,943.58	2,950.68	2,931.32	14.93	13.18	119.62	-340.06	310.47	196.39	168.53	27.87	7.048		
3,100.00	3,041.10	3,052.83	3,033.43	15.45	13.57	124.45	-341.81	311.97	207.99	179.31	28.69	7.250		
3,200.00	3,138.61	3,150.37	3,130.96	15.96	13.95	128.88	-341.90	313.79	219.79	190.33	29.47	7.459		
3,300.00	3,236.13	3,245.78	3,226.36	16.47	14.33	133.09	-341.01	314.49	233.49	203.27	30.23	7.725		
3,400.00	3,333.65	3,341.22	3,321.80	16.99	14.73	136.87	-340.25	314.31	249.28	218.28	30.99	8.043		
3,500.00	3,431.17	3,438.62	3,419.19	17.50	15.14	140.28	-339.51	313.76	266.41	234.63	31.79	8.381		
3,600.00	3,528.69	3,534.15	3,514.72	18.02	15.54	143.24	-338.73	312.89	284.70	252.13	32.57	8.742		
3,700.00	3,626.21	3,630.30	3,610.84	18.54	15.94	145.98	-337.46	311.34	304.28	270.92	33.36	9.121		
3,800.00	3,723.73	3,736.31	3,716.84	19.06	16.37	148.37	-337.33	311.33	323.02	288.76	34.25	9.430		
3,900.00	3,821.25	3,838.38	3,818.89	19.57	16.77	150.35	-337.42	313.45	340.13	305.04	35.10	9.691		
4,000.00	3,918.77	3,936.15	3,916.62	20.09	17.17	152.21	-336.55	315.96	357.09	321.18	35.91	9.944		
4,100.00	4,016.28	4,031.51	4,011.95	20.61	17.55	153.68	-336.94	318.07	374.74	338.02	36.71	10.208		
4,200.00	4,113.80	4,127.15	4,107.57	21.13	17.93	154.75	-339.12	319.32	393.44	355.91	37.52	10.485		
4,300.00	4,211.32	4,220.97	4,201.33	21.65	18.30	155.54	-342.39	320.23	412.58	374.25	38.33	10.764		
4,400.00	4,308.84	4,308.52	4,288.80	22.17	18.66	156.15	-345.90	319.24	433.81	394.74	39.07	11.104		
4,500.00	4,406.36	4,401.27	4,381.45	22.69	19.03	156.83	-348.80	316.30	457.09	417.23	39.86	11.466		
4,600.00	4,503.88	4,507.75	4,487.88	23.21	19.47	157.75	-350.43	313.94	479.66	438.84	40.82	11.750		
4,700.00	4,601.40	4,615.50	4,595.64	23.73	19.91	158.79	-350.57	314.01	500.22	458.45	41.77	11.976		
4,800.00	4,698.92	4,719.49	4,699.61	24.26	20.34	159.84	-349.70	315.92	519.27	476.61	42.66	12.171		
4,900.00	4,796.43	4,822.70	4,802.77	24.78	20.76	160.82	-348.88	318.85	537.50	493.95	43.55	12.342		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,909.26	4,889.30	25.30	21.12	161.55	-348.45	321.07	556.11	511.80	44.30	12.552		
5,100.00	4,991.47	4,998.89	4,978.92	25.82	21.49	162.21	-348.31	321.30	576.95	531.87	45.08	12.798		
5,200.00	5,088.99	5,094.17	5,074.20	26.34	21.89	162.76	-349.00	320.68	598.63	552.71	45.92	13.037		
5,300.00	5,186.51	5,192.66	5,172.68	26.87	22.30	163.25	-350.23	319.89	620.42	573.63	46.79	13.259		
5,400.00	5,284.03	5,285.40	5,265.40	27.39	22.68	163.62	-351.91	318.93	642.39	594.78	47.61	13.494		
5,500.00	5,381.55	5,375.45	5,355.42	27.91	23.05	163.97	-353.37	317.09	665.37	616.97	48.39	13.749		
5,600.00	5,479.07	5,483.09	5,463.04	28.43	23.51	164.49	-353.52	315.06	688.53	639.16	49.37	13.945		
5,700.00	5,576.58	5,583.10	5,563.04	28.96	23.93	165.05	-352.48	314.81	710.37	660.10	50.27	14.132		
5,800.00	5,674.10	5,672.58	5,652.50	29.48	24.32	165.58	-350.91	314.32	732.68	681.63	51.05	14.352		
5,900.00	5,771.62	5,782.15	5,762.06	30.00	24.78	166.15	-349.53	313.83	754.88	702.84	52.04	14.506		
6,000.00	5,869.14	5,885.89	5,865.79	30.53	25.22	166.64	-348.68	314.79	775.72	722.76	52.96	14.647		
6,100.00	5,966.66	5,979.20	5,959.10	31.05	25.60	167.01	-348.55	315.44	796.65	742.87	53.78	14.812		
6,200.00	6,064.18	6,077.86	6,057.75	31.58	26.01	167.27	-349.97	315.54	817.85	763.19	54.66	14.962		
6,300.00	6,161.70	6,172.45	6,152.32	32.10	26.40	167.49	-351.50	315.88	838.77	783.27	55.50	15.113		
6,400.00	6,259.22	6,263.15	6,243.06	32.62	26.81	167.71	-341.80	1,180.28	750.49	724.77	25.72	29.176		
6,500.00	6,356.74	6,361.18	6,341.09	33.15	27.22	167.93	-341.37	1,194.29	660.48	631.29	29.19	22.628		
6,600.00	6,454.25	6,459.15	6,439.06	33.67	27.63	168.15	-340.96	1,208.59	573.42	539.67	33.76	16.988		
6,623.48	6,477.15	6,482.05	6,462.06	33.80	27.71	168.18	-340.86	1,211.99	553.56	518.53	35.03	15.803		
6,650.00	6,503.12	6,508.02	6,488.03	33.93	27.76	168.21	-340.77	1,215.32	531.38	494.81	36.57	14.531		
6,700.00	6,552.50	6,557.40	6,537.41	34.16	27.82	168.24	-340.68	1,218.72	490.40	450.62	39.78	12.328		
6,750.00	6,602.21	6,607.11	6,587.12	34.36	27.81	168.27	-340.69	1,218.28	451.05	407.63	43.41	10.389		
6,800.00	6,651.92	6,656.82	6,636.83	34.54	27.74	168.30	-340.81	1,213.94	414.06	366.59	47.47	8.722		
6,850.00	6,701.33	6,706.23	6,686.24	34.70	27.60	168.33	-341.04	1,205.68	380.25	328.36	51.90	7.327		
6,900.00	6,750.14	6,755.04	6,735.05	34.86	27.40	168.36	-341.40	1,193.48	350.51	293.97	56.54	6.200		
6,950.00	6,798.04	6,802.94	6,782.95	35.02	27.13	168.39	-341.89	1,177.37	325.70	264.61	61.10	5.331		
7,000.00	6,844.75	6,849.65	6,829.66	35.19	26.80	168.42	-342.54	1,157.38	306.61	241.46	65.16	4.706		
7,050.00	6,889.97	6,894.87	6,874.88	35.37	26.41	168.45	-343.36	1,133.60	293.73	225.47	68.25	4.304		
7,100.00	6,933.42	6,938.32	6,918.33	35.57	25.99	168.48	-344.35	1,106.48	287.09	217.02	70.06	4.097		
7,132.58	6,960.65	6,965.55	6,945.56	35.71	25.70	168.51	-345.07	1,087.08	285.92	215.44	70.48	4.057 SF		
7,150.00	6,974.83	6,979.73	6,959.74	35.79	25.53	168.54	-345.48	1,076.16	286.24	215.78	70.46	4.062		
7,200.00	7,013.96	7,018.86	7,000.00	36.02	25.03	168.57	-346.76	1,042.82	290.26	220.66	69.61	4.170		
7,250.00	7,050.56	7,055.46	7,035.57	36.28	24.56	168.60	-347.99	1,009.05	298.09	230.12	67.97	4.386		
7,300.00	7,084.39	7,089.29	7,069.30	36.57	24.09	168.63	-349.01	973.56	308.71	242.85	65.86	4.687		
7,350.00	7,115.27	7,120.17	7,100.18	36.89	23.60	168.66	-349.75	937.36	321.03	257.40	63.63	5.046		
7,400.00	7,142.99	7,147.89	7,127.90	37.25	23.24	168.69	-350.10	906.78	334.76	273.14	61.62	5.432		
7,450.00	7,167.38	7,172.28	7,152.29	37.65	22.88	168.72	-350.19	877.04	349.76	289.99	59.78	5.851		
7,500.00	7,188.30	7,193.20	7,173.21	38.08	22.54	168.75	-350.02	848.84	365.65	307.43	58.22	6.280		
7,550.00	7,205.61	7,210.51	7,190.52	38.55	22.21	168.78	-349.59	818.85	382.03	325.12	56.91	6.713		
7,600.00	7,219.20	7,224.10	7,204.11	39.06	21.90	168.81	-348.92	790.27	398.53	342.57	55.96	7.122		
7,650.00	7,229.00	7,233.90	7,219.01	39.61	21.55	168.84	-347.88	758.23	414.95	359.84	55.11	7.529		
7,700.00	7,234.95	7,239.85	7,224.96	40.18	21.32	168.87	-346.85	734.00	430.91	375.90	55.02	7.832		
7,750.07	7,237.00	7,241.90	7,227.01	40.78	21.05	168.90	-345.36	705.94	446.27	391.30	54.97	8.118		
7,800.00	7,237.09	7,241.99	7,227.10	41.41	20.70	168.93	-342.95	669.73	462.35	407.84	54.51	8.481		
7,900.00	7,237.28	7,242.18	7,227.29	42.79	20.35	168.96	-340.06	626.64	499.58	444.26	55.31	9.032		
8,000.00	7,237.47	7,242.37	7,227.48	44.31	20.02	168.99	-338.05	587.94	543.91	487.79	56.12	9.692		
8,100.00	7,237.65	7,242.55	7,227.66	45.97	19.69	169.02	-336.35	543.03	594.60	538.33	56.27	10.567		
8,200.00	7,237.84	7,242.74	7,227.85	47.75	19.47	169.05	-335.56	513.96	651.45	594.24	57.21	11.387		
8,300.00	7,238.02	7,242.92	7,228.03	49.63	19.25	169.08	-334.70	482.21	713.50	655.75	57.75	12.355		
8,400.00	7,238.21	7,243.11	7,228.22	51.61	19.01	169.11	-333.43	448.36	780.33	722.36	57.97	13.460		
8,500.00	7,238.40	7,243.30	7,228.41	53.66	18.78	169.14	-333.43	448.36	850.95	791.06	59.89	14.209		
8,600.00	7,238.58	7,243.48	7,228.59	55.79	18.52	169.17	-332.78	420.39	924.50	864.44	60.06	15.393		
8,700.00	7,238.77	7,243.67	7,228.78	57.99	18.22	169.20	-332.94	406.43	1,001.45	940.70	60.74	16.487		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,707.00	6,671.95	60.24	28.61	30.07	-333.50	392.92	1,081.00	1,019.74	61.26	17.645		
8,900.00	7,239.14	6,707.00	6,671.95	62.54	28.61	30.07	-333.50	392.92	1,163.06	1,100.85	62.21	18.696		
9,000.00	7,239.33	6,676.68	6,645.67	64.88	28.49	28.83	-334.77	377.87	1,246.58	1,184.19	62.40	19.978		
9,100.00	7,239.52	6,662.59	6,633.16	67.27	28.43	28.26	-335.60	371.42	1,332.09	1,269.27	62.82	21.204		
9,200.00	7,239.70	6,649.94	6,621.80	69.69	28.38	27.74	-336.48	365.93	1,419.07	1,355.88	63.19	22.458		
9,300.00	7,239.89	6,612.00	6,586.99	72.15	28.23	26.19	-339.84	351.24	1,508.19	1,445.06	63.13	23.890		
9,400.00	7,240.07	6,612.00	6,586.99	74.63	28.23	26.19	-339.84	351.24	1,597.03	1,533.45	63.58	25.120		
9,500.00	7,240.26	6,612.00	6,586.99	77.14	28.23	26.19	-339.84	351.24	1,687.11	1,623.17	63.94	26.386		
9,600.00	7,240.45	6,612.00	6,586.99	79.68	28.23	26.19	-339.84	351.24	1,778.25	1,714.01	64.24	27.681		
9,700.00	7,240.63	6,612.00	6,586.99	82.23	28.23	26.19	-339.84	351.24	1,870.30	1,805.81	64.49	29.001		
9,800.00	7,240.82	6,612.00	6,586.99	84.81	28.23	26.19	-339.84	351.24	1,963.13	1,898.43	64.70	30.341		
9,900.00	7,241.01	6,612.00	6,586.99	87.40	28.23	26.19	-339.84	351.24	2,056.63	1,991.75	64.88	31.700		
10,000.00	7,241.19	6,612.00	6,586.99	90.01	28.23	26.19	-339.84	351.24	2,150.72	2,085.69	65.03	33.073		
10,100.00	7,241.38	6,612.00	6,586.99	92.64	28.23	26.19	-339.84	351.24	2,245.31	2,180.15	65.16	34.459		
10,200.00	7,241.56	6,572.23	6,549.48	95.28	28.07	24.65	-343.64	338.64	2,338.51	2,273.47	65.05	35.951		
10,300.00	7,241.75	6,567.28	6,544.73	97.93	28.05	24.47	-344.07	337.27	2,433.49	2,368.35	65.14	37.359		
10,400.00	7,241.94	6,562.63	6,540.27	100.59	28.03	24.30	-344.47	336.02	2,528.79	2,463.57	65.22	38.773		
10,500.00	7,242.12	6,558.25	6,536.06	103.26	28.01	24.14	-344.83	334.88	2,624.41	2,559.11	65.30	40.192		
10,600.00	7,242.31	6,518.00	6,496.93	105.95	27.85	22.78	-347.86	326.03	2,721.78	2,656.56	65.22	41.733		
10,700.00	7,242.50	6,518.00	6,496.93	108.64	27.85	22.78	-347.86	326.03	2,817.61	2,752.30	65.31	43.142		
10,800.00	7,242.68	6,518.00	6,496.93	111.34	27.85	22.78	-347.86	326.03	2,913.72	2,848.33	65.39	44.557		
10,900.00	7,242.87	6,518.00	6,496.93	114.05	27.85	22.78	-347.86	326.03	3,010.08	2,944.61	65.47	45.977		
11,000.00	7,243.05	6,518.00	6,496.93	116.76	27.85	22.78	-347.86	326.03	3,106.68	3,041.14	65.54	47.402		
11,100.00	7,243.24	6,518.00	6,496.93	119.49	27.85	22.78	-347.86	326.03	3,203.48	3,137.88	65.60	48.831		
11,200.00	7,243.43	6,518.00	6,496.93	122.22	27.85	22.78	-347.86	326.03	3,300.48	3,234.81	65.66	50.263		
11,300.00	7,243.61	6,518.00	6,496.93	124.95	27.85	22.78	-347.86	326.03	3,397.64	3,331.92	65.72	51.698		
11,400.00	7,243.80	6,518.00	6,496.93	127.69	27.85	22.78	-347.86	326.03	3,494.97	3,429.20	65.78	53.135		
11,500.00	7,243.99	6,518.00	6,496.93	130.44	27.85	22.78	-347.86	326.03	3,592.45	3,526.62	65.83	54.573		
11,600.00	7,244.17	6,518.00	6,496.93	133.19	27.85	22.78	-347.86	326.03	3,690.06	3,624.18	65.88	56.014		
11,700.00	7,244.36	6,518.00	6,496.93	135.94	27.85	22.78	-347.86	326.03	3,787.79	3,721.86	65.93	57.455		
11,800.00	7,244.55	6,518.00	6,496.93	138.70	27.85	22.78	-347.86	326.03	3,885.64	3,819.67	65.97	58.897		
11,900.00	7,244.73	6,518.00	6,496.93	141.47	27.85	22.78	-347.86	326.03	3,983.60	3,917.58	66.02	60.340		
12,000.00	7,244.92	6,518.00	6,496.93	144.24	27.85	22.78	-347.86	326.03	4,081.65	4,015.59	66.07	61.782		
12,100.00	7,245.10	6,518.00	6,496.93	147.01	27.85	22.78	-347.86	326.03	4,179.80	4,113.69	66.11	63.225		
12,200.00	7,245.29	6,518.00	6,496.93	149.78	27.85	22.78	-347.86	326.03	4,278.04	4,211.88	66.15	64.667		
12,300.00	7,245.48	6,518.00	6,496.93	152.56	27.85	22.78	-347.86	326.03	4,376.35	4,310.15	66.20	66.109		
12,400.00	7,245.66	6,518.00	6,496.93	155.34	27.85	22.78	-347.86	326.03	4,474.74	4,408.49	66.24	67.550		
12,500.00	7,245.85	6,518.00	6,496.93	158.12	27.85	22.78	-347.86	326.03	4,573.20	4,506.91	66.29	68.991		
12,600.00	7,246.04	6,518.00	6,496.93	160.91	27.85	22.78	-347.86	326.03	4,671.72	4,605.39	66.33	70.430		
12,700.00	7,246.22	6,518.00	6,496.93	163.70	27.85	22.78	-347.86	326.03	4,770.30	4,703.93	66.38	71.868		
12,800.00	7,246.41	6,518.00	6,496.93	166.49	27.85	22.78	-347.86	326.03	4,868.95	4,802.53	66.42	73.304		
12,900.00	7,246.59	6,518.00	6,496.93	169.28	27.85	22.78	-347.86	326.03	4,967.64	4,901.18	66.47	74.739		
13,000.00	7,246.78	6,518.00	6,496.93	172.08	27.85	22.78	-347.86	326.03	5,066.39	4,999.88	66.51	76.172		
13,100.00	7,246.97	6,518.00	6,496.93	174.88	27.85	22.78	-347.86	326.03	5,165.19	5,098.63	66.56	77.603		
13,200.00	7,247.15	6,518.00	6,496.93	177.68	27.85	22.78	-347.86	326.03	5,264.03	5,197.43	66.61	79.033		
13,300.00	7,247.34	6,518.00	6,496.93	180.48	27.85	22.78	-347.86	326.03	5,362.92	5,296.26	66.65	80.460		
13,400.00	7,247.53	6,518.00	6,496.93	183.28	27.85	22.78	-347.86	326.03	5,461.84	5,395.14	66.70	81.885		
13,500.00	7,247.71	6,518.00	6,496.93	186.09	27.85	22.78	-347.86	326.03	5,560.81	5,494.06	66.75	83.308		
13,600.00	7,247.90	6,518.00	6,496.93	188.90	27.85	22.78	-347.86	326.03	5,659.81	5,593.01	66.80	84.728		
13,700.00	7,248.08	6,518.00	6,496.93	191.70	27.85	22.78	-347.86	326.03	5,758.84	5,691.99	66.85	86.146		
13,800.00	7,248.27	6,477.56	6,457.06	194.52	27.68	21.56	-350.18	319.67	5,856.68	5,789.80	66.87	87.579		
13,900.00	7,248.46	6,476.12	6,455.63	197.33	27.68	21.52	-350.25	319.48	5,955.69	5,888.76	66.93	88.990		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,474.72	6,454.25	200.14	27.67	21.48	-350.31	319.31	6,054.73	5,987.75	66.98	90.399		
14,100.00	7,248.83	6,473.36	6,452.90	202.95	27.67	21.44	-350.37	319.13	6,153.80	6,086.77	67.03	91.805		
14,200.00	7,249.02	6,472.04	6,451.59	205.77	27.66	21.41	-350.43	318.97	6,252.90	6,185.81	67.09	93.209		
14,300.00	7,249.20	6,470.75	6,450.32	208.59	27.66	21.37	-350.49	318.81	6,352.02	6,284.88	67.14	94.609		
14,400.00	7,249.39	6,469.50	6,449.08	211.41	27.65	21.34	-350.54	318.66	6,451.17	6,383.97	67.20	96.006		
14,500.00	7,249.58	6,468.29	6,447.87	214.23	27.65	21.30	-350.60	318.51	6,550.34	6,483.09	67.25	97.399		
14,600.00	7,249.76	6,467.10	6,446.69	217.05	27.64	21.27	-350.65	318.37	6,649.53	6,582.22	67.31	98.790		
14,700.00	7,249.95	6,465.95	6,445.55	219.87	27.64	21.24	-350.70	318.24	6,748.75	6,681.38	67.37	100.177		
14,800.00	7,250.13	6,425.00	6,404.79	222.69	27.47	20.19	-351.99	314.59	6,849.16	6,781.74	67.42	101.595		
14,900.00	7,250.32	6,425.00	6,404.79	225.51	27.47	20.19	-351.99	314.59	6,948.35	6,880.87	67.48	102.974		
15,000.00	7,250.51	6,425.00	6,404.79	228.34	27.47	20.19	-351.99	314.59	7,047.56	6,980.03	67.54	104.349		
15,100.00	7,250.69	6,425.00	6,404.79	231.16	27.47	20.19	-351.99	314.59	7,146.80	7,079.20	67.60	105.721		
15,200.00	7,250.88	6,425.00	6,404.79	233.99	27.47	20.19	-351.99	314.59	7,246.06	7,178.39	67.66	107.089		
15,300.00	7,251.07	6,425.00	6,404.79	236.82	27.47	20.19	-351.99	314.59	7,345.34	7,277.61	67.73	108.454		
15,400.00	7,251.25	6,425.00	6,404.79	239.65	27.47	20.19	-351.99	314.59	7,444.63	7,376.84	67.79	109.816		
15,500.00	7,251.44	6,425.00	6,404.79	242.47	27.47	20.19	-351.99	314.59	7,543.95	7,476.09	67.86	111.173		
15,600.00	7,251.62	6,425.00	6,404.79	245.30	27.47	20.19	-351.99	314.59	7,643.28	7,575.36	67.92	112.528		
15,700.00	7,251.81	6,425.00	6,404.79	248.13	27.47	20.19	-351.99	314.59	7,742.63	7,674.64	67.99	113.878		
15,800.00	7,252.00	6,425.00	6,404.79	250.97	27.47	20.19	-351.99	314.59	7,842.00	7,773.94	68.06	115.225		
15,900.00	7,252.18	6,425.00	6,404.79	253.80	27.47	20.19	-351.99	314.59	7,941.38	7,873.25	68.13	116.568		
16,000.00	7,252.37	6,425.00	6,404.79	256.63	27.47	20.19	-351.99	314.59	8,040.78	7,972.58	68.20	117.907		
16,100.00	7,252.56	6,425.00	6,404.79	259.46	27.47	20.19	-351.99	314.59	8,140.19	8,071.92	68.27	119.242		
16,200.00	7,252.74	6,425.00	6,404.79	262.30	27.47	20.19	-351.99	314.59	8,239.62	8,171.28	68.34	120.573		
16,300.00	7,252.93	6,425.00	6,404.79	265.13	27.47	20.19	-351.99	314.59	8,339.06	8,270.65	68.41	121.900		
16,400.00	7,253.11	6,425.00	6,404.79	267.96	27.47	20.19	-351.99	314.59	8,438.51	8,370.03	68.48	123.223		
16,500.00	7,253.30	6,425.00	6,404.79	270.80	27.47	20.19	-351.99	314.59	8,537.98	8,469.42	68.55	124.542		
16,600.00	7,253.49	6,425.00	6,404.79	273.64	27.47	20.19	-351.99	314.59	8,637.46	8,568.83	68.63	125.858		
16,700.00	7,253.67	6,425.00	6,404.79	276.47	27.47	20.19	-351.99	314.59	8,736.95	8,668.25	68.70	127.169		
16,800.00	7,253.86	6,425.00	6,404.79	279.31	27.47	20.19	-351.99	314.59	8,836.45	8,767.67	68.78	128.475		
16,900.00	7,254.05	6,425.00	6,404.79	282.15	27.47	20.19	-351.99	314.59	8,935.96	8,867.11	68.86	129.778		
17,000.00	7,254.23	6,425.00	6,404.79	284.98	27.47	20.19	-351.99	314.59	9,035.49	8,966.56	68.93	131.076		
17,100.00	7,254.42	6,425.00	6,404.79	287.82	27.47	20.19	-351.99	314.59	9,135.02	9,066.01	69.01	132.371		
17,200.00	7,254.61	6,425.00	6,404.79	290.66	27.47	20.19	-351.99	314.59	9,234.57	9,165.48	69.09	133.661		
17,300.00	7,254.79	6,425.00	6,404.79	293.50	27.47	20.19	-351.99	314.59	9,334.12	9,264.95	69.17	134.946		
17,400.00	7,254.98	6,425.00	6,404.79	296.34	27.47	20.19	-351.99	314.59	9,433.69	9,364.44	69.25	136.227		
17,500.00	7,255.16	6,425.00	6,404.79	299.18	27.47	20.19	-351.99	314.59	9,533.26	9,463.93	69.33	137.504		
17,600.00	7,255.35	6,425.00	6,404.79	302.02	27.47	20.19	-351.99	314.59	9,632.84	9,563.43	69.41	138.777		
17,700.00	7,255.54	6,425.00	6,404.79	304.86	27.47	20.19	-351.99	314.59	9,732.43	9,662.94	69.49	140.045		
17,800.00	7,255.72	6,425.00	6,404.79	307.70	27.47	20.19	-351.99	314.59	9,832.03	9,762.45	69.58	141.309		
17,900.00	7,255.91	6,425.00	6,404.79	310.54	27.47	20.19	-351.99	314.59	9,931.64	9,861.97	69.66	142.568		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	136.95	-542.81	506.98	742.83					
100.00	100.00	76.12	76.12	3.28	3.28	136.97	-543.42	507.30	743.52	736.95	6.57	113.165		
200.00	200.00	170.76	170.72	3.34	3.31	137.03	-545.72	508.42	746.08	739.43	6.65	112.201		
300.00	300.00	294.34	294.28	3.44	3.42	137.17	-547.75	507.82	746.95	740.08	6.87	108.717		
400.00	399.98	432.96	432.74	3.60	3.64	21.59	-547.37	501.90	742.31	735.03	7.27	102.039		
500.00	499.84	558.48	557.58	3.79	3.92	22.50	-545.21	489.15	729.26	721.48	7.78	93.720		
600.00	599.45	653.09	651.46	4.03	4.16	23.51	-543.51	477.52	711.83	703.58	8.25	86.308		
700.00	698.70	730.71	728.44	4.30	4.38	24.65	-544.12	467.55	693.09	684.38	8.71	79.602		
800.00	797.47	798.78	795.94	4.61	4.59	25.89	-547.46	459.57	675.32	666.13	9.19	73.461		
900.00	895.62	873.26	869.70	4.96	4.83	27.49	-554.03	451.57	658.63	648.87	9.76	67.500		
939.50	934.20	904.33	900.41	5.10	4.94	28.24	-557.52	448.39	652.24	642.24	10.00	65.222		
1,000.00	993.20	955.30	950.82	5.33	5.11	29.36	-563.45	443.73	642.95	632.56	10.39	61.882		
1,100.00	1,090.72	1,034.17	1,028.89	5.73	5.39	31.05	-573.09	438.24	629.99	618.95	11.04	57.076		
1,200.00	1,188.24	1,110.14	1,104.09	6.15	5.66	32.58	-583.56	435.63	620.92	609.23	11.70	53.078		
1,300.00	1,285.76	1,188.89	1,181.84	6.59	5.95	34.06	-596.06	435.55	615.96	603.57	12.38	49.737		
1,400.00	1,383.28	1,279.53	1,271.10	7.04	6.28	35.75	-611.72	436.63	613.53	600.41	13.13	46.737		
1,478.70	1,460.02	1,350.52	1,340.85	7.40	6.55	37.13	-624.95	437.27	612.93	599.21	13.73	44.650 CC		
1,500.00	1,480.80	1,370.30	1,360.25	7.50	6.63	37.53	-628.80	437.37	612.97	599.08	13.89	44.115 ES		
1,600.00	1,578.31	1,463.96	1,452.03	7.96	7.01	39.46	-647.49	437.63	613.98	599.28	14.69	41.782		
1,700.00	1,675.83	1,556.83	1,542.87	8.44	7.40	41.38	-666.77	437.88	616.51	601.01	15.51	39.757		
1,800.00	1,773.35	1,653.24	1,637.11	8.92	7.82	43.36	-687.14	438.34	620.25	603.90	16.35	37.930		
1,900.00	1,870.87	1,745.82	1,727.52	9.40	8.22	45.22	-707.03	438.98	625.18	607.99	17.19	36.372		
2,000.00	1,968.39	1,855.99	1,835.22	9.89	8.72	47.37	-730.20	439.97	630.51	612.37	18.14	34.755		
2,100.00	2,065.91	1,955.87	1,933.13	10.39	9.17	49.24	-749.89	441.09	635.30	616.26	19.04	33.362		
2,200.00	2,163.43	2,059.71	2,035.07	10.88	9.64	51.25	-769.68	440.92	639.84	619.86	19.98	32.024		
2,300.00	2,260.95	2,155.45	2,129.06	11.38	10.08	53.10	-787.90	440.59	645.06	624.19	20.88	30.898		
2,400.00	2,358.46	2,255.74	2,227.59	11.89	10.54	54.91	-806.59	441.18	650.74	628.93	21.81	29.838		
2,500.00	2,455.98	2,353.39	2,323.51	12.39	11.00	56.77	-824.85	440.37	656.96	634.23	22.73	28.900		
2,600.00	2,553.50	2,453.62	2,422.00	12.89	11.47	58.64	-843.42	439.46	663.71	640.03	23.68	28.028		
2,700.00	2,651.02	2,553.35	2,520.10	13.40	11.94	60.43	-861.36	438.92	670.62	645.99	24.63	27.229		
2,800.00	2,748.54	2,653.48	2,618.63	13.91	12.41	62.14	-879.19	439.03	678.00	652.42	25.58	26.501		
2,900.00	2,846.06	2,750.81	2,714.47	14.42	12.86	63.86	-896.13	437.93	685.59	659.06	26.53	25.845		
3,000.00	2,943.58	2,843.20	2,805.33	14.93	13.30	65.62	-912.57	434.85	694.33	666.89	27.44	25.303		
3,100.00	3,041.10	2,937.41	2,897.88	15.45	13.75	67.36	-929.95	431.92	704.41	676.04	28.37	24.830		
3,200.00	3,138.61	3,035.64	2,994.36	15.96	14.22	69.10	-948.19	429.14	715.29	685.95	29.33	24.385		
3,300.00	3,236.13	3,133.11	3,090.14	16.47	14.69	70.70	-966.18	427.24	726.55	696.26	30.29	23.986		
3,400.00	3,333.65	3,230.74	3,186.06	16.99	15.16	72.25	-984.28	425.53	738.44	707.19	31.25	23.628		
3,500.00	3,431.17	3,328.04	3,283.60	17.50	15.66	73.79	-1,003.33	424.55	750.44	718.17	32.27	23.255		
3,600.00	3,528.69	3,425.68	3,381.66	18.02	16.14	75.17	-1,021.07	424.58	762.09	728.83	33.26	22.914		
3,700.00	3,626.21	3,523.29	3,485.73	18.54	16.62	76.46	-1,038.50	425.09	773.89	739.65	34.24	22.603		
3,800.00	3,723.73	3,621.87	3,590.77	19.06	17.13	77.78	-1,056.52	425.98	785.43	750.15	35.27	22.267		
3,900.00	3,821.25	3,719.29	3,686.97	19.57	17.59	79.07	-1,071.93	425.55	796.63	760.39	36.24	21.983		
4,000.00	3,918.77	3,817.66	3,784.22	20.09	17.96	80.17	-1,084.96	423.61	809.60	772.55	37.05	21.852		
4,100.00	4,016.28	3,906.50	3,851.54	20.61	18.39	81.39	-1,101.06	420.70	824.68	786.74	37.94	21.735		
4,200.00	4,113.80	3,995.38	3,938.74	21.13	18.83	82.59	-1,117.93	417.48	841.12	802.28	38.83	21.660		
4,300.00	4,211.32	4,090.24	4,031.70	21.65	19.29	83.82	-1,136.44	413.67	858.60	818.82	39.78	21.583		
4,400.00	4,308.84	4,179.64	4,119.21	22.17	19.74	84.92	-1,154.38	410.34	876.89	836.21	40.68	21.558		
4,500.00	4,406.36	4,284.01	4,221.33	22.69	20.25	86.11	-1,175.67	406.80	895.69	853.97	41.73	21.466		
4,600.00	4,503.88	4,388.62	4,323.88	23.21	20.77	87.24	-1,196.17	403.90	913.84	871.06	42.78	21.363		
4,700.00	4,601.40	4,476.92	4,410.34	23.73	21.21	88.11	-1,213.97	402.21	932.39	888.73	43.66	21.355		
4,800.00	4,698.92	4,571.08	4,502.31	24.26	21.68	88.89	-1,234.15	401.70	951.72	907.12	44.61	21.335		
4,900.00	4,796.43	4,671.54	4,600.43	24.78	22.19	89.69	-1,255.71	401.26	971.21	925.59	45.62	21.288		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,767.61	4,694.32	25.30	22.67	90.46	-1,276.03	400.22	990.90	944.31	46.59	21.268		
5,100.00	4,991.47	4,875.95	4,800.43	25.82	23.21	91.34	-1,297.84	398.91	1,009.90	962.22	47.68	21.179		
5,200.00	5,088.99	4,975.58	4,898.11	26.34	23.70	92.16	-1,317.36	397.07	1,028.97	980.29	48.69	21.135		
5,300.00	5,186.51	5,087.18	5,007.64	26.87	24.25	92.96	-1,338.74	397.05	1,046.91	997.11	49.80	21.021		
5,400.00	5,284.03	5,195.79	5,114.28	27.39	24.78	93.65	-1,359.33	398.41	1,064.22	1,013.33	50.88	20.915		
5,500.00	5,381.55	5,316.78	5,233.40	27.91	25.37	94.42	-1,380.35	400.62	1,080.02	1,027.96	52.06	20.747		
5,600.00	5,479.07	5,425.13	5,340.47	28.43	25.88	95.15	-1,396.82	402.58	1,094.08	1,040.97	53.11	20.599		
5,700.00	5,576.58	5,498.45	5,412.86	28.96	26.23	95.64	-1,408.43	403.38	1,109.23	1,055.34	53.89	20.583		
5,800.00	5,674.10	5,583.53	5,496.66	29.48	26.64	96.20	-1,423.14	403.51	1,126.22	1,071.47	54.76	20.568		
5,900.00	5,771.62	5,695.21	5,606.71	30.00	27.18	96.94	-1,442.14	403.09	1,143.44	1,087.58	55.86	20.470		
6,000.00	5,869.14	5,772.48	5,682.78	30.53	27.56	97.42	-1,455.64	403.06	1,160.95	1,104.30	56.65	20.492		
6,100.00	5,966.66	5,852.06	5,760.78	31.05	27.96	97.83	-1,471.41	403.53	1,180.13	1,122.67	57.46	20.539		
6,200.00	6,064.18	5,969.49	5,875.73	31.58	28.54	98.38	-1,495.42	404.61	1,199.81	1,141.16	58.64	20.460		
6,300.00	6,161.70	6,077.67	5,982.13	32.10	29.07	98.95	-1,514.92	405.33	1,217.65	1,157.93	59.72	20.389		
6,400.00	6,259.22	6,157.99	6,061.10	32.62	29.47	99.37	-1,529.56	405.48	1,236.07	1,175.53	60.54	20.418		
6,500.00	6,356.74	6,287.50	6,188.53	33.15	30.10	100.01	-1,552.68	406.39	1,253.94	1,192.12	61.81	20.286		
6,600.00	6,454.25	6,304.58	6,950.79	33.67	34.27	82.24	-1,707.64	943.07	1,260.60	1,201.35	59.25	21.276		
6,623.48	6,477.15	7,337.35	6,959.46	33.80	34.58	80.80	-1,710.31	974.55	1,250.29	1,190.46	59.84	20.895		
6,650.00	6,503.12	7,367.43	6,966.29	33.93	34.89	72.71	-1,712.76	1,003.74	1,238.65	1,178.11	60.54	20.459		
6,700.00	6,552.50	6,700.00	6,965.12	34.16	32.81	51.79	-1,712.62	1,002.26	1,216.75	1,161.64	55.12	22.076		
6,750.00	6,602.21	7,423.90	6,976.14	34.36	35.54	8.79	-1,717.38	1,059.14	1,195.65	1,132.38	63.27	18.897		
6,800.00	6,651.92	7,433.23	6,977.39	34.54	35.65	-32.58	-1,718.15	1,068.35	1,175.67	1,111.17	64.51	18.225		
6,850.00	6,701.33	7,434.82	6,977.59	34.70	35.67	-54.10	-1,718.28	1,069.92	1,157.16	1,091.53	65.63	17.632		
6,900.00	6,750.14	7,430.64	6,977.05	34.86	35.62	-64.97	-1,717.94	1,065.79	1,140.31	1,073.68	66.63	17.114		
6,950.00	6,798.04	7,422.07	6,975.88	35.02	35.52	-71.22	-1,717.23	1,057.34	1,125.27	1,057.77	67.51	16.669		
7,000.00	6,844.75	7,410.10	6,974.09	35.19	35.37	-75.10	-1,716.25	1,045.55	1,112.14	1,043.89	68.25	16.295		
7,050.00	6,889.97	7,395.98	6,971.75	35.37	35.19	-77.63	-1,715.08	1,031.66	1,100.96	1,032.11	68.85	15.992		
7,100.00	6,933.42	7,378.48	6,968.52	35.57	35.00	-79.17	-1,713.66	1,014.53	1,091.74	1,022.39	69.35	15.742		
7,150.00	6,974.83	7,359.28	6,964.55	35.79	34.80	-80.05	-1,712.09	995.81	1,084.47	1,014.73	69.74	15.551		
7,200.00	7,013.96	7,338.69	6,959.79	36.02	34.59	-80.44	-1,710.42	975.84	1,079.07	1,009.06	70.01	15.414		
7,250.00	7,050.56	7,316.95	6,954.21	36.28	34.38	-80.44	-1,708.64	954.90	1,075.48	1,005.30	70.18	15.325		
7,300.00	7,084.39	7,296.26	6,948.39	36.57	34.18	-80.20	-1,706.95	935.13	1,073.59	1,003.33	70.27	15.278		
7,337.47	7,107.82	7,273.16	6,941.29	36.81	34.00	-79.54	-1,705.05	913.24	1,073.22	1,002.94	70.28	15.270 SF		
7,350.00	7,115.27	7,265.41	6,938.77	36.89	33.95	-79.30	-1,704.39	905.93	1,073.26	1,002.98	70.28	15.272		
7,400.00	7,142.99	7,234.29	6,928.03	37.25	33.73	-78.21	-1,701.57	876.86	1,074.19	1,003.96	70.22	15.297		
7,450.00	7,167.38	7,202.97	6,916.18	37.65	33.55	-77.00	-1,698.50	848.04	1,076.21	1,006.08	70.13	15.346		
7,500.00	7,188.30	7,176.82	6,905.44	38.08	33.43	-75.89	-1,695.79	824.34	1,079.24	1,009.14	70.10	15.397		
7,550.00	7,205.61	7,152.96	6,894.85	38.55	33.34	-74.77	-1,693.32	803.11	1,083.29	1,013.18	70.10	15.452		
7,600.00	7,219.20	7,128.95	6,883.41	39.06	33.25	-73.57	-1,690.85	782.15	1,088.22	1,018.09	70.13	15.517		
7,650.00	7,229.00	7,099.00	6,868.08	39.61	33.16	-72.09	-1,687.78	756.61	1,093.93	1,023.81	70.12	15.601		
7,700.00	7,234.95	7,080.20	6,857.85	40.18	33.10	-70.97	-1,685.86	740.95	1,100.20	1,029.90	70.30	15.650		
7,750.07	7,237.00	7,055.43	6,843.68	40.78	33.03	-69.60	-1,683.32	720.79	1,106.96	1,036.50	70.46	15.711		
7,800.00	7,237.09	7,031.42	6,829.19	41.41	32.97	-68.85	-1,680.86	701.80	1,114.56	1,043.91	70.65	15.776		
7,900.00	7,237.28	6,973.16	6,791.27	42.79	32.80	-66.90	-1,674.56	658.06	1,133.69	1,062.76	70.93	15.982		
8,000.00	7,237.47	6,907.77	6,744.99	44.31	32.62	-64.54	-1,665.30	612.83	1,157.02	1,085.94	71.08	16.277		
8,100.00	7,237.65	6,855.75	6,705.92	45.97	32.45	-62.55	-1,656.48	579.65	1,185.08	1,113.69	71.39	16.601		
8,200.00	7,237.84	6,815.00	6,674.17	47.75	32.32	-60.96	-1,648.91	555.26	1,218.26	1,146.42	71.83	16.959		
8,300.00	7,238.02	6,781.08	6,646.97	49.63	32.20	-59.61	-1,642.43	536.05	1,256.82	1,184.45	72.37	17.366		
8,400.00	7,238.21	6,753.36	6,624.23	51.61	32.10	-58.50	-1,637.21	521.10	1,300.72	1,227.78	72.94	17.832		
8,500.00	7,238.40	6,720.00	6,596.25	53.66	31.98	-57.17	-1,631.04	504.00	1,349.63	1,276.29	73.34	18.404		
8,600.00	7,238.58	6,720.00	6,596.25	55.79	31.98	-57.17	-1,631.04	504.00	1,403.18	1,328.94	74.24	18.901		
8,700.00	7,238.77	6,684.17	6,565.49	57.99	31.85	-55.73	-1,624.48	486.85	1,460.60	1,386.13	74.46	19.615		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor				
8,800.00	7,238.96	6,665.17	6,548.88	60.24	31.78	-54.97	-1,621.01	478.31	1,521.99	1,447.09	74.90	20.321				
8,900.00	7,239.14	6,627.00	6,514.92	62.54	31.63	-53.44	-1,614.06	462.32	1,587.15	1,512.19	74.97	21.172				
9,000.00	7,239.33	6,627.00	6,514.92	64.88	31.63	-53.44	-1,614.06	462.32	1,654.73	1,579.18	75.56	21.900				
9,100.00	7,239.52	6,627.00	6,514.92	67.27	31.63	-53.44	-1,614.06	462.32	1,725.47	1,649.41	76.06	22.686				
9,200.00	7,239.70	6,627.00	6,514.92	69.69	31.63	-53.44	-1,614.06	462.32	1,798.98	1,722.49	76.48	23.521				
9,300.00	7,239.89	6,594.27	6,485.19	72.15	31.50	-52.14	-1,608.05	450.04	1,874.01	1,797.56	76.45	24.512				
9,400.00	7,240.07	6,583.89	6,475.65	74.63	31.46	-51.73	-1,606.11	446.45	1,951.46	1,874.80	76.66	25.456				
9,500.00	7,240.26	6,574.34	6,466.82	77.14	31.42	-51.35	-1,604.32	443.29	2,030.71	1,953.87	76.84	26.428				
9,600.00	7,240.45	6,565.53	6,458.64	79.68	31.38	-51.00	-1,602.65	440.48	2,111.59	2,034.59	76.99	27.425				
9,700.00	7,240.63	6,533.00	6,428.13	82.23	31.25	-49.72	-1,596.42	431.08	2,194.43	2,117.57	76.87	28.549				
9,800.00	7,240.82	6,533.00	6,428.13	84.81	31.25	-49.72	-1,596.42	431.08	2,277.80	2,200.74	77.07	29.555				
9,900.00	7,241.01	6,533.00	6,428.13	87.40	31.25	-49.72	-1,596.42	431.08	2,362.47	2,285.23	77.24	30.586				
10,000.00	7,241.19	6,533.00	6,428.13	90.01	31.25	-49.72	-1,596.42	431.08	2,448.29	2,370.90	77.39	31.637				
10,100.00	7,241.38	6,533.00	6,428.13	92.64	31.25	-49.72	-1,596.42	431.08	2,535.14	2,457.63	77.51	32.707				
10,200.00	7,241.56	6,533.00	6,428.13	95.28	31.25	-49.72	-1,596.42	431.08	2,622.94	2,545.32	77.62	33.793				
10,300.00	7,241.75	6,533.00	6,428.13	97.93	31.25	-49.72	-1,596.42	431.08	2,711.58	2,633.87	77.71	34.895				
10,400.00	7,241.94	6,533.00	6,428.13	100.59	31.25	-49.72	-1,596.42	431.08	2,800.99	2,723.20	77.78	36.010				
10,500.00	7,242.12	6,533.00	6,428.13	103.26	31.25	-49.72	-1,596.42	431.08	2,891.09	2,813.24	77.85	37.137				
10,600.00	7,242.31	6,533.00	6,428.13	105.95	31.25	-49.72	-1,596.42	431.08	2,981.82	2,903.91	77.91	38.275				
10,700.00	7,242.50	6,533.00	6,428.13	108.64	31.25	-49.72	-1,596.42	431.08	3,073.12	2,995.17	77.95	39.422				
10,800.00	7,242.68	6,533.00	6,428.13	111.34	31.25	-49.72	-1,596.42	431.08	3,164.96	3,086.96	78.00	40.578				
10,900.00	7,242.87	6,533.00	6,428.13	114.05	31.25	-49.72	-1,596.42	431.08	3,257.27	3,179.24	78.03	41.742				
11,000.00	7,243.05	6,533.00	6,428.13	116.76	31.25	-49.72	-1,596.42	431.08	3,350.02	3,271.96	78.07	42.913				
11,100.00	7,243.24	6,494.26	6,391.18	119.49	31.07	-48.21	-1,589.04	422.11	3,441.62	3,363.77	77.85	44.209				
11,200.00	7,243.43	6,491.59	6,388.61	122.22	31.06	-48.11	-1,588.54	421.58	3,534.94	3,457.07	77.86	45.399				
11,300.00	7,243.61	6,489.05	6,386.16	124.95	31.05	-48.01	-1,588.07	421.10	3,628.59	3,550.72	77.88	46.594				
11,400.00	7,243.80	6,486.62	6,383.82	127.69	31.04	-47.92	-1,587.61	420.65	3,722.57	3,644.68	77.89	47.793				
11,500.00	7,243.99	6,484.31	6,381.58	130.44	31.03	-47.83	-1,587.18	420.23	3,816.84	3,738.94	77.90	48.996				
11,600.00	7,244.17	6,482.09	6,379.44	133.19	31.02	-47.75	-1,586.77	419.84	3,911.38	3,833.47	77.91	50.203				
11,700.00	7,244.36	6,479.97	6,377.39	135.94	31.01	-47.66	-1,586.38	419.47	4,006.18	3,928.26	77.92	51.413				
11,800.00	7,244.55	6,440.00	6,338.47	138.70	30.83	-46.16	-1,579.10	414.03	4,102.70	4,024.98	77.71	52.792				
11,900.00	7,244.73	6,440.00	6,338.47	141.47	30.83	-46.16	-1,579.10	414.03	4,197.81	4,120.07	77.74	53.998				
12,000.00	7,244.92	6,440.00	6,338.47	144.24	30.83	-46.16	-1,579.10	414.03	4,293.14	4,215.38	77.76	55.207				
12,100.00	7,245.10	6,440.00	6,338.47	147.01	30.83	-46.16	-1,579.10	414.03	4,388.68	4,310.89	77.79	56.418				
12,200.00	7,245.29	6,440.00	6,338.47	149.78	30.83	-46.16	-1,579.10	414.03	4,484.42	4,406.60	77.81	57.632				
12,300.00	7,245.48	6,440.00	6,338.47	152.56	30.83	-46.16	-1,579.10	414.03	4,580.33	4,502.50	77.84	58.847				
12,400.00	7,245.66	6,440.00	6,338.47	155.34	30.83	-46.16	-1,579.10	414.03	4,676.42	4,598.56	77.86	60.063				
12,500.00	7,245.85	6,440.00	6,338.47	158.12	30.83	-46.16	-1,579.10	414.03	4,772.67	4,694.79	77.88	61.281				
12,600.00	7,246.04	6,440.00	6,338.47	160.91	30.83	-46.16	-1,579.10	414.03	4,869.07	4,791.17	77.90	62.501				
12,700.00	7,246.22	6,440.00	6,338.47	163.70	30.83	-46.16	-1,579.10	414.03	4,965.61	4,887.69	77.93	63.721				
12,800.00	7,246.41	6,440.00	6,338.47	166.49	30.83	-46.16	-1,579.10	414.03	5,062.29	4,984.34	77.95	64.942				
12,900.00	7,246.59	6,440.00	6,338.47	169.28	30.83	-46.16	-1,579.10	414.03	5,159.09	5,081.12	77.98	66.163				
13,000.00	7,246.78	6,440.00	6,338.47	172.08	30.83	-46.16	-1,579.10	414.03	5,256.02	5,178.02	78.00	67.385				
13,100.00	7,246.97	6,440.00	6,338.47	174.88	30.83	-46.16	-1,579.10	414.03	5,353.05	5,275.03	78.03	68.607				
13,200.00	7,247.15	6,440.00	6,338.47	177.68	30.83	-46.16	-1,579.10	414.03	5,450.20	5,372.15	78.05	69.829				
13,300.00	7,247.34	6,440.00	6,338.47	180.48	30.83	-46.16	-1,579.10	414.03	5,547.44	5,469.37	78.08	71.050				
13,400.00	7,247.53	6,440.00	6,338.47	183.28	30.83	-46.16	-1,579.10	414.03	5,644.78	5,566.68	78.10	72.272				
13,500.00	7,247.71	6,440.00	6,338.47	186.09	30.83	-46.16	-1,579.10	414.03	5,742.22	5,664.08	78.13	73.493				
13,600.00	7,247.90	6,440.00	6,338.47	188.90	30.83	-46.16	-1,579.10	414.03	5,839.74	5,761.58	78.16	74.714				
13,700.00	7,248.08	6,440.00	6,338.47	191.70	30.83	-46.16	-1,579.10	414.03	5,937.34	5,859.15	78.19	75.935				
13,800.00	7,248.27	6,440.00	6,338.47	194.52	30.83	-46.16	-1,579.10	414.03	6,035.02	5,956.80	78.22	77.154				
13,900.00	7,248.46	6,440.00	6,338.47	197.33	30.83	-46.16	-1,579.10	414.03	6,132.77	6,054.52	78.25	78.373				

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,440.00	6,338.47	200.14	30.83	-46.16	-1,579.10	414.03	6,230.60	6,152.32	78.28	79.591		
14,100.00	7,248.83	6,440.00	6,338.47	202.95	30.83	-46.16	-1,579.10	414.03	6,328.50	6,250.18	78.32	80.807		
14,200.00	7,249.02	6,440.00	6,338.47	205.77	30.83	-46.16	-1,579.10	414.03	6,426.45	6,348.11	78.35	82.023		
14,300.00	7,249.20	6,440.00	6,338.47	208.59	30.83	-46.16	-1,579.10	414.03	6,524.48	6,446.09	78.38	83.238		
14,400.00	7,249.39	6,440.00	6,338.47	211.41	30.83	-46.16	-1,579.10	414.03	6,622.56	6,544.14	78.42	84.451		
14,500.00	7,249.58	6,440.00	6,338.47	214.23	30.83	-46.16	-1,579.10	414.03	6,720.69	6,642.24	78.45	85.663		
14,600.00	7,249.76	6,440.00	6,338.47	217.05	30.83	-46.16	-1,579.10	414.03	6,818.88	6,740.39	78.49	86.874		
14,700.00	7,249.95	6,440.00	6,338.47	219.87	30.83	-46.16	-1,579.10	414.03	6,917.13	6,838.60	78.53	88.083		
14,800.00	7,250.13	6,440.00	6,338.47	222.69	30.83	-46.16	-1,579.10	414.03	7,015.42	6,936.85	78.57	89.290		
14,900.00	7,250.32	6,440.00	6,338.47	225.51	30.83	-46.16	-1,579.10	414.03	7,113.76	7,035.15	78.61	90.496		
15,000.00	7,250.51	6,440.00	6,338.47	228.34	30.83	-46.16	-1,579.10	414.03	7,212.15	7,133.50	78.65	91.700		
15,100.00	7,250.69	6,440.00	6,338.47	231.16	30.83	-46.16	-1,579.10	414.03	7,310.58	7,231.88	78.69	92.902		
15,200.00	7,250.88	6,440.00	6,338.47	233.99	30.83	-46.16	-1,579.10	414.03	7,409.05	7,330.31	78.73	94.103		
15,300.00	7,251.07	6,440.00	6,338.47	236.82	30.83	-46.16	-1,579.10	414.03	7,507.56	7,428.78	78.78	95.302		
15,400.00	7,251.25	6,440.00	6,338.47	239.65	30.83	-46.16	-1,579.10	414.03	7,606.11	7,527.29	78.82	96.498		
15,500.00	7,251.44	6,440.00	6,338.47	242.47	30.83	-46.16	-1,579.10	414.03	7,704.70	7,625.83	78.87	97.693		
15,600.00	7,251.62	6,440.00	6,338.47	245.30	30.83	-46.16	-1,579.10	414.03	7,803.32	7,724.41	78.91	98.886		
15,700.00	7,251.81	6,440.00	6,338.47	248.13	30.83	-46.16	-1,579.10	414.03	7,901.98	7,823.02	78.96	100.077		
15,800.00	7,252.00	6,440.00	6,338.47	250.97	30.83	-46.16	-1,579.10	414.03	8,000.67	7,921.67	79.01	101.265		
15,900.00	7,252.18	6,440.00	6,338.47	253.80	30.83	-46.16	-1,579.10	414.03	8,099.40	8,020.34	79.06	102.451		
16,000.00	7,252.37	6,440.00	6,338.47	256.63	30.83	-46.16	-1,579.10	414.03	8,198.15	8,119.05	79.11	103.635		
16,100.00	7,252.56	6,440.00	6,338.47	259.46	30.83	-46.16	-1,579.10	414.03	8,296.94	8,217.78	79.16	104.817		
16,200.00	7,252.74	6,440.00	6,338.47	262.30	30.83	-46.16	-1,579.10	414.03	8,395.75	8,316.54	79.21	105.996		
16,300.00	7,252.93	6,440.00	6,338.47	265.13	30.83	-46.16	-1,579.10	414.03	8,494.59	8,415.33	79.26	107.173		
16,400.00	7,253.11	6,440.00	6,338.47	267.96	30.83	-46.16	-1,579.10	414.03	8,593.46	8,514.15	79.31	108.348		
16,500.00	7,253.30	6,440.00	6,338.47	270.80	30.83	-46.16	-1,579.10	414.03	8,692.36	8,612.99	79.37	109.520		
16,600.00	7,253.49	6,440.00	6,338.47	273.64	30.83	-46.16	-1,579.10	414.03	8,791.27	8,711.85	79.42	110.690		
16,700.00	7,253.67	6,440.00	6,338.47	276.47	30.83	-46.16	-1,579.10	414.03	8,890.22	8,810.74	79.48	111.857		
16,800.00	7,253.86	6,440.00	6,338.47	279.31	30.83	-46.16	-1,579.10	414.03	8,989.18	8,909.65	79.53	113.022		
16,900.00	7,254.05	6,440.00	6,338.47	282.15	30.83	-46.16	-1,579.10	414.03	9,088.17	9,008.58	79.59	114.184		
17,000.00	7,254.23	6,440.00	6,338.47	284.98	30.83	-46.16	-1,579.10	414.03	9,187.19	9,107.53	79.65	115.343		
17,100.00	7,254.42	6,440.00	6,338.47	287.82	30.83	-46.16	-1,579.10	414.03	9,286.22	9,206.51	79.71	116.500		
17,200.00	7,254.61	6,440.00	6,338.47	290.66	30.83	-46.16	-1,579.10	414.03	9,385.27	9,305.50	79.77	117.654		
17,300.00	7,254.79	6,440.00	6,338.47	293.50	30.83	-46.16	-1,579.10	414.03	9,484.34	9,404.51	79.83	118.805		
17,400.00	7,254.98	6,440.00	6,338.47	296.34	30.83	-46.16	-1,579.10	414.03	9,583.44	9,503.54	79.89	119.954		
17,500.00	7,255.16	6,440.00	6,338.47	299.18	30.83	-46.16	-1,579.10	414.03	9,682.55	9,602.59	79.96	121.100		
17,600.00	7,255.35	6,440.00	6,338.47	302.02	30.83	-46.16	-1,579.10	414.03	9,781.68	9,701.66	80.02	122.243		
17,700.00	7,255.54	6,440.00	6,338.47	304.86	30.83	-46.16	-1,579.10	414.03	9,880.82	9,800.74	80.08	123.383		
17,800.00	7,255.72	6,440.00	6,338.47	307.70	30.83	-46.16	-1,579.10	414.03	9,979.99	9,899.84	80.15	124.520		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	143.45	-682.70	506.15	849.94					
100.00	100.00	95.14	95.14	3.28	3.29	143.45	-682.41	505.96	849.54	842.97	6.57	129.275		
200.00	200.00	202.02	202.02	3.34	3.31	143.44	-681.40	505.31	848.41	841.77	6.65	127.620		
300.00	300.00	311.75	311.72	3.44	3.38	143.40	-679.28	504.40	846.38	839.55	6.83	123.919		
400.00	399.98	428.26	428.11	3.60	3.54	27.31	-674.14	504.28	841.24	834.09	7.15	117.609		
500.00	499.84	531.08	530.76	3.79	3.74	27.37	-668.32	503.66	831.70	824.16	7.54	110.238		
600.00	599.45	611.04	610.65	4.03	3.91	27.65	-665.48	502.33	820.13	812.18	7.95	103.188		
700.00	698.70	694.17	693.75	4.30	4.12	28.23	-665.35	500.12	807.65	799.23	8.42	95.927		
800.00	797.47	776.53	775.96	4.61	4.34	29.16	-668.38	496.25	794.15	785.21	8.94	88.834		
900.00	895.62	865.12	864.03	4.96	4.59	30.61	-675.23	489.67	779.68	770.15	9.53	81.849		
939.50	934.20	901.83	900.41	5.10	4.71	31.33	-678.71	486.25	773.46	763.68	9.78	79.108		
1,000.00	993.20	955.63	953.58	5.33	4.88	32.39	-684.49	480.48	764.00	753.83	10.17	75.157		
1,100.00	1,090.72	1,043.53	1,040.04	5.73	5.17	34.37	-695.76	469.29	749.86	739.02	10.84	69.191		
1,200.00	1,188.24	1,131.51	1,126.28	6.15	5.49	36.51	-708.36	457.30	737.75	726.20	11.55	63.868		
1,300.00	1,285.76	1,220.10	1,212.91	6.59	5.83	38.78	-722.07	444.82	727.78	715.49	12.30	59.185		
1,400.00	1,383.28	1,312.72	1,303.25	7.04	6.21	41.27	-737.24	431.19	719.86	706.77	13.09	54.996		
1,500.00	1,480.80	1,412.42	1,400.38	7.50	6.63	44.07	-753.41	415.53	713.10	699.16	13.94	51.166		
1,600.00	1,578.31	1,514.34	1,499.79	7.96	7.07	46.97	-769.04	399.37	707.23	692.42	14.82	47.733		
1,700.00	1,675.83	1,618.52	1,601.82	8.44	7.53	49.87	-783.11	383.71	701.60	685.88	15.72	44.632		
1,800.00	1,773.35	1,716.57	1,698.36	8.92	7.96	52.44	-794.82	371.26	696.59	679.98	16.60	41.958		
1,900.00	1,870.87	1,812.20	1,792.97	9.40	8.37	54.70	-805.55	362.35	692.82	675.35	17.47	39.651		
2,000.00	1,968.39	1,910.04	1,890.07	9.89	8.78	56.77	-815.93	356.60	690.02	671.67	18.35	37.595		
2,100.00	2,065.91	2,037.54	2,016.85	10.39	9.32	59.47	-827.16	349.10	686.58	667.23	19.36	35.467		
2,200.00	2,163.43	2,133.82	2,112.72	10.88	9.73	61.60	-833.02	342.50	681.26	661.01	20.25	33.640		
2,300.00	2,260.95	2,230.16	2,208.73	11.38	10.14	63.66	-838.89	337.06	676.96	655.81	21.15	32.010		
2,400.00	2,358.46	2,328.31	2,306.57	11.89	10.55	65.72	-845.00	332.21	673.71	651.66	22.06	30.546		
2,500.00	2,455.98	2,451.80	2,429.89	12.39	11.07	68.25	-849.05	327.55	668.26	645.21	23.05	28.998		
2,600.00	2,553.50	2,548.18	2,526.21	12.89	11.47	70.18	-851.15	324.85	662.70	638.75	23.95	27.668		
2,700.00	2,651.02	2,647.98	2,625.95	13.40	11.88	72.20	-853.19	322.14	657.80	632.93	24.87	26.447		
2,800.00	2,748.54	2,746.72	2,724.64	13.91	12.29	74.25	-854.70	319.37	653.27	627.47	25.80	25.325		
2,900.00	2,846.06	2,852.78	2,830.65	14.42	12.73	76.48	-855.91	316.43	649.24	622.50	26.74	24.282		
3,000.00	2,943.58	2,954.44	2,932.30	14.93	13.14	78.53	-855.71	315.23	644.42	616.75	27.67	23.292		
3,100.00	3,041.10	3,049.04	3,026.89	15.45	13.53	80.47	-855.62	314.05	640.53	611.95	28.58	22.408		
3,200.00	3,138.61	3,146.15	3,124.00	15.96	13.93	82.50	-855.77	312.57	637.78	608.27	29.51	21.611		
3,300.00	3,236.13	3,242.84	3,220.67	16.47	14.34	84.52	-855.90	311.17	635.84	605.40	30.44	20.889		
3,400.00	3,333.65	3,341.13	3,318.95	16.99	14.75	86.60	-856.01	309.65	634.77	603.40	31.37	20.234		
3,500.00	3,431.17	3,442.74	3,420.55	17.50	15.17	88.75	-855.72	308.26	634.14	601.83	32.31	19.627		
3,600.00	3,528.69	3,542.64	3,520.44	18.02	15.58	90.88	-854.83	307.00	633.81	600.57	33.24	19.068		
3,609.35	3,537.81	3,551.97	3,529.77	18.07	15.61	91.08	-854.72	306.88	633.80	600.48	33.33	19.018		
3,700.00	3,626.21	3,640.03	3,617.81	18.54	15.97	92.96	-853.79	305.91	634.14	599.98	34.16	18.564		
3,800.00	3,723.73	3,735.16	3,712.93	19.06	16.36	94.98	-852.91	304.77	635.51	600.43	35.07	18.119		
3,900.00	3,821.25	3,834.55	3,812.32	19.57	16.77	97.02	-852.41	304.12	637.79	601.80	35.99	17.719		
4,000.00	3,918.77	3,942.14	3,919.89	20.09	17.19	99.02	-851.94	306.01	639.57	602.65	36.92	17.324		
4,100.00	4,016.28	4,036.67	4,014.40	20.61	17.56	100.74	-851.57	308.11	641.80	603.99	37.80	16.977		
4,200.00	4,113.80	4,132.04	4,109.75	21.13	17.93	102.48	-851.31	309.80	645.03	606.35	38.69	16.672		
4,300.00	4,211.32	4,225.68	4,203.38	21.65	18.29	104.16	-851.58	311.24	649.49	609.92	39.57	16.415		
4,400.00	4,308.84	4,320.23	4,297.92	22.17	18.67	105.85	-852.09	312.17	655.10	614.65	40.45	16.196		
4,500.00	4,406.36	4,414.60	4,392.29	22.69	19.05	107.50	-852.98	312.79	661.84	620.51	41.33	16.015		
4,600.00	4,503.88	4,509.84	4,487.51	23.21	19.44	109.12	-854.34	313.27	669.63	627.42	42.21	15.864		
4,700.00	4,601.40	4,607.13	4,584.79	23.73	19.84	110.74	-855.85	313.57	678.20	635.10	43.10	15.734		
4,800.00	4,698.92	4,703.90	4,681.55	24.26	20.24	112.31	-857.32	313.87	687.30	643.31	43.99	15.623		
4,900.00	4,796.43	4,796.21	4,773.83	24.78	20.63	113.70	-859.69	314.34	697.44	652.59	44.85	15.549		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,888.41	4,865.99	25.30	21.02	115.09	-862.28	313.95	708.89	663.18	45.71	15.508		
5,100.00	4,991.47	4,984.74	4,962.29	25.82	21.43	116.56	-864.51	312.61	721.27	674.68	46.59	15.480		
5,200.00	5,088.99	5,083.88	5,061.40	26.34	21.86	118.07	-866.27	310.97	734.05	686.56	47.49	15.456		
5,300.00	5,186.51	5,189.62	5,167.12	26.87	22.31	119.64	-867.74	309.46	746.94	698.51	48.43	15.422		
5,400.00	5,284.03	5,297.35	5,274.83	27.39	22.76	121.33	-866.57	308.51	758.52	709.15	49.37	15.365		
5,500.00	5,381.55	5,394.92	5,372.36	27.91	23.16	122.92	-864.05	307.30	770.23	720.01	50.23	15.335		
5,600.00	5,479.07	5,485.28	5,462.67	28.43	23.54	124.37	-861.54	305.79	782.80	731.76	51.04	15.337		
5,700.00	5,576.58	5,575.38	5,552.73	28.96	23.92	125.76	-859.71	303.52	797.00	745.15	51.85	15.372		
5,800.00	5,674.10	5,671.03	5,648.36	29.48	24.33	127.04	-859.83	301.67	812.14	759.43	52.70	15.409		
5,900.00	5,771.62	5,770.75	5,748.05	30.00	24.76	128.21	-861.36	300.50	827.60	774.00	53.60	15.441		
6,000.00	5,869.14	5,873.56	5,850.86	30.53	25.19	129.40	-862.44	299.62	842.90	788.39	54.51	15.464		
6,100.00	5,966.66	5,973.16	5,950.44	31.05	25.61	130.66	-861.20	298.36	858.03	802.65	55.38	15.493		
6,200.00	6,064.18	6,071.67	6,048.94	31.58	26.03	131.83	-860.44	297.46	873.39	817.14	56.25	15.527		
6,300.00	6,161.70	6,169.45	6,146.72	32.10	26.44	132.92	-860.04	296.83	888.97	831.85	57.12	15.564		
6,400.00	6,259.22	6,267.64	6,244.90	32.62	26.86	133.98	-859.56	296.23	904.81	846.83	57.98	15.605		
6,500.00	6,356.74	7,743.26	7,146.27	33.15	27.39	103.39	-856.48	1,162.49	850.02	824.59	25.43	33.423		
6,600.00	6,454.25	7,759.61	7,146.45	33.67	27.66	100.65	-856.57	1,178.84	755.53	728.03	27.51	27.468		
6,623.48	6,477.15	7,763.60	7,146.51	33.80	27.73	99.95	-856.59	1,182.82	733.49	705.43	28.06	26.137		
6,650.00	6,503.12	7,767.74	7,146.58	33.93	27.79	88.07	-856.60	1,186.96	708.56	679.83	28.73	24.665		
6,700.00	6,552.50	7,773.32	7,146.68	34.16	27.89	56.06	-856.63	1,192.54	661.34	631.27	30.07	21.995		
6,750.00	6,602.21	7,775.84	7,146.73	34.36	27.93	4.65	-856.64	1,195.07	614.11	582.56	31.55	19.466		
6,800.00	6,651.92	7,775.14	7,146.72	34.54	27.92	-46.13	-856.63	1,194.37	567.27	534.06	33.21	17.081		
6,850.00	6,701.33	7,771.06	7,146.64	34.70	27.85	-75.09	-856.62	1,190.29	521.22	486.11	35.11	14.846		
6,900.00	6,750.14	7,763.44	7,146.51	34.86	27.72	-91.27	-856.59	1,182.67	476.41	439.11	37.30	12.772		
6,950.00	6,798.04	7,752.15	7,146.35	35.02	27.54	-100.96	-856.53	1,171.38	433.33	393.49	39.84	10.877		
7,000.00	6,844.75	7,737.10	7,146.23	35.19	27.29	-106.82	-856.44	1,156.32	392.53	349.76	42.77	9.177		
7,050.00	6,889.97	7,718.18	7,146.21	35.37	26.99	-110.06	-856.29	1,137.41	354.57	308.45	46.12	7.687		
7,100.00	6,933.42	7,694.61	7,146.38	35.57	26.61	-111.23	-856.07	1,113.84	320.03	270.15	49.88	6.416		
7,150.00	6,974.83	7,665.33	7,146.47	35.79	26.18	-110.44	-855.81	1,084.56	289.32	235.30	54.01	5.356		
7,200.00	7,013.96	7,633.54	7,146.25	36.02	25.70	-108.40	-855.61	1,052.77	262.93	204.62	58.31	4.509		
7,250.00	7,050.56	7,598.75	7,145.62	36.28	25.20	-105.10	-855.45	1,018.00	241.40	178.91	62.48	3.863		
7,300.00	7,084.39	7,559.59	7,143.99	36.57	24.68	-100.33	-855.15	978.87	224.79	158.61	66.18	3.397		
7,350.00	7,115.27	7,519.77	7,141.13	36.89	24.15	-94.81	-854.60	939.16	213.20	144.33	68.87	3.096		
7,400.00	7,142.99	7,481.29	7,137.29	37.25	23.68	-89.05	-853.96	900.88	206.77	136.53	70.25	2.943		
7,439.73	7,162.65	7,450.45	7,133.58	37.56	23.32	-84.28	-853.58	870.26	205.30	134.95	70.35	2.918 CC, ES, SF		
7,450.00	7,167.38	7,442.37	7,132.51	37.65	23.22	-83.03	-853.51	862.26	205.39	135.15	70.24	2.924		
7,500.00	7,188.30	7,402.61	7,126.60	38.08	22.78	-76.94	-853.23	822.94	208.24	139.13	69.11	3.013		
7,550.00	7,205.61	7,363.93	7,118.41	38.55	22.39	-70.97	-852.80	785.15	214.56	147.33	67.23	3.191		
7,600.00	7,219.20	7,326.90	7,107.94	39.06	22.02	-65.25	-852.13	749.65	223.91	158.98	64.93	3.449		
7,650.00	7,229.00	7,292.50	7,096.09	39.61	21.72	-60.07	-851.51	717.36	235.90	173.17	62.74	3.760		
7,700.00	7,234.95	7,258.90	7,082.82	40.18	21.44	-55.37	-851.24	686.49	250.04	189.13	60.91	4.105		
7,750.07	7,237.00	7,227.00	7,068.72	40.78	21.17	-51.25	-851.31	657.88	265.69	206.02	59.66	4.453		
7,800.00	7,237.09	7,194.57	7,052.87	41.41	20.95	-48.61	-851.72	629.60	283.35	224.65	58.71	4.827		
7,900.00	7,237.28	7,132.00	7,018.01	42.79	20.54	-43.64	-853.53	577.71	327.41	270.20	57.22	5.722		
8,000.00	7,237.47	7,078.56	6,984.52	44.31	20.24	-39.64	-855.17	536.11	380.49	323.72	56.77	6.702		
8,100.00	7,237.65	7,036.00	6,955.92	45.97	20.02	-36.63	-855.82	504.60	440.42	383.26	57.17	7.704		
8,200.00	7,237.84	6,983.44	6,918.14	47.75	29.78	-33.16	-856.07	468.09	506.12	449.08	57.04	8.873		
8,300.00	7,238.02	6,941.00	6,885.60	49.63	29.59	-30.58	-856.00	440.85	577.25	519.80	57.45	10.048		
8,400.00	7,238.21	6,916.78	6,866.22	51.61	29.50	-29.21	-855.95	426.32	652.69	594.18	58.51	11.155		
8,500.00	7,238.40	6,891.71	6,845.52	53.66	29.39	-27.88	-856.03	412.20	731.93	672.63	59.29	12.344		
8,600.00	7,238.58	6,846.00	6,806.19	55.79	29.21	-25.68	-856.51	388.92	815.02	755.68	59.34	13.735		
8,700.00	7,238.77	6,846.00	6,806.19	57.99	29.21	-25.68	-856.51	388.92	898.87	838.39	60.48	14.863		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,824.98	6,787.61	60.24	29.13	-24.77	-856.86	379.11	985.35	924.43	60.93	16.173		
8,900.00	7,239.14	6,798.90	6,764.36	62.54	29.03	-23.72	-857.42	367.30	1,073.07	1,011.86	61.21	17.531		
9,000.00	7,239.33	6,774.58	6,742.49	64.88	28.94	-22.83	-858.05	356.68	1,161.81	1,100.33	61.47	18.899		
9,100.00	7,239.52	6,753.00	6,722.95	67.27	28.85	-22.09	-858.69	347.56	1,251.44	1,189.71	61.74	20.270		
9,200.00	7,239.70	6,753.00	6,722.95	69.69	28.85	-22.09	-858.69	347.56	1,342.23	1,280.04	62.19	21.582		
9,300.00	7,239.89	6,753.00	6,722.95	72.15	28.85	-22.09	-858.69	347.56	1,434.24	1,371.69	62.55	22.929		
9,400.00	7,240.07	6,720.23	6,692.75	74.63	28.73	-21.03	-859.51	334.88	1,525.90	1,463.31	62.59	24.379		
9,500.00	7,240.26	6,711.44	6,684.51	77.14	28.69	-20.76	-859.65	331.81	1,618.95	1,556.14	62.80	25.778		
9,600.00	7,240.45	6,703.41	6,676.94	79.68	28.66	-20.50	-859.75	329.13	1,712.61	1,649.62	62.99	27.188		
9,700.00	7,240.63	6,696.06	6,669.97	82.23	28.63	-20.28	-859.82	326.78	1,806.82	1,743.67	63.16	28.609		
9,800.00	7,240.82	6,659.00	6,634.39	84.81	28.49	-19.15	-859.81	316.48	1,902.62	1,839.47	63.15	30.130		
9,900.00	7,241.01	6,659.00	6,634.39	87.40	28.49	-19.15	-859.81	316.48	1,997.31	1,933.98	63.32	31.541		
10,000.00	7,241.19	6,659.00	6,634.39	90.01	28.49	-19.15	-859.81	316.48	2,092.49	2,029.01	63.48	32.965		
10,100.00	7,241.38	6,659.00	6,634.39	92.64	28.49	-19.15	-859.81	316.48	2,188.10	2,124.49	63.61	34.399		
10,200.00	7,241.56	6,659.00	6,634.39	95.28	28.49	-19.15	-859.81	316.48	2,284.09	2,220.37	63.73	35.842		
10,300.00	7,241.75	6,659.00	6,634.39	97.93	28.49	-19.15	-859.81	316.48	2,380.41	2,316.58	63.83	37.293		
10,400.00	7,241.94	6,659.00	6,634.39	100.59	28.49	-19.15	-859.81	316.48	2,477.02	2,413.10	63.92	38.751		
10,500.00	7,242.12	6,659.00	6,634.39	103.26	28.49	-19.15	-859.81	316.48	2,573.89	2,509.89	64.01	40.214		
10,600.00	7,242.31	6,659.00	6,634.39	105.95	28.49	-19.15	-859.81	316.48	2,670.99	2,606.91	64.08	41.681		
10,700.00	7,242.50	6,659.00	6,634.39	108.64	28.49	-19.15	-859.81	316.48	2,768.30	2,704.15	64.15	43.153		
10,800.00	7,242.68	6,659.00	6,634.39	111.34	28.49	-19.15	-859.81	316.48	2,865.79	2,801.58	64.22	44.628		
10,900.00	7,242.87	6,659.00	6,634.39	114.05	28.49	-19.15	-859.81	316.48	2,963.45	2,899.18	64.28	46.105		
11,000.00	7,243.05	6,659.00	6,634.39	116.76	28.49	-19.15	-859.81	316.48	3,061.27	2,996.93	64.33	47.584		
11,100.00	7,243.24	6,659.00	6,634.39	119.49	28.49	-19.15	-859.81	316.48	3,159.21	3,094.83	64.39	49.065		
11,200.00	7,243.43	6,621.27	6,597.58	122.22	28.34	-18.08	-859.46	308.21	3,256.13	3,191.73	64.41	50.557		
11,300.00	7,243.61	6,617.70	6,594.08	124.95	28.32	-17.98	-859.42	307.52	3,354.10	3,289.64	64.46	52.036		
11,400.00	7,243.80	6,614.30	6,590.74	127.69	28.31	-17.89	-859.38	306.88	3,452.16	3,387.65	64.51	53.515		
11,500.00	7,243.99	6,611.05	6,587.54	130.44	28.30	-17.80	-859.35	306.29	3,550.32	3,485.76	64.56	54.994		
11,600.00	7,244.17	6,607.95	6,584.49	133.19	28.29	-17.72	-859.32	305.73	3,648.55	3,583.95	64.61	56.472		
11,700.00	7,244.36	6,604.99	6,581.58	135.94	28.27	-17.64	-859.28	305.21	3,746.87	3,682.21	64.66	57.950		
11,800.00	7,244.55	6,602.15	6,578.78	138.70	28.26	-17.57	-859.25	304.72	3,845.26	3,780.56	64.71	59.427		
11,900.00	7,244.73	6,564.00	6,541.04	141.47	28.11	-16.62	-858.78	299.19	3,944.71	3,879.97	64.74	60.931		
12,000.00	7,244.92	6,564.00	6,541.04	144.24	28.11	-16.62	-858.78	299.19	4,043.09	3,978.30	64.79	62.401		
12,100.00	7,245.10	6,564.00	6,541.04	147.01	28.11	-16.62	-858.78	299.19	4,141.55	4,076.71	64.84	63.870		
12,200.00	7,245.29	6,564.00	6,541.04	149.78	28.11	-16.62	-858.78	299.19	4,240.08	4,175.19	64.89	65.338		
12,300.00	7,245.48	6,564.00	6,541.04	152.56	28.11	-16.62	-858.78	299.19	4,338.68	4,273.74	64.94	66.806		
12,400.00	7,245.66	6,564.00	6,541.04	155.34	28.11	-16.62	-858.78	299.19	4,437.34	4,372.35	65.00	68.272		
12,500.00	7,245.85	6,564.00	6,541.04	158.12	28.11	-16.62	-858.78	299.19	4,536.06	4,471.02	65.05	69.736		
12,600.00	7,246.04	6,564.00	6,541.04	160.91	28.11	-16.62	-858.78	299.19	4,634.84	4,569.74	65.10	71.199		
12,700.00	7,246.22	6,564.00	6,541.04	163.70	28.11	-16.62	-858.78	299.19	4,733.67	4,668.52	65.15	72.661		
12,800.00	7,246.41	6,564.00	6,541.04	166.49	28.11	-16.62	-858.78	299.19	4,832.54	4,767.34	65.20	74.120		
12,900.00	7,246.59	6,564.00	6,541.04	169.28	28.11	-16.62	-858.78	299.19	4,931.46	4,866.21	65.25	75.578		
13,000.00	7,246.78	6,564.00	6,541.04	172.08	28.11	-16.62	-858.78	299.19	5,030.43	4,965.12	65.30	77.033		
13,100.00	7,246.97	6,564.00	6,541.04	174.88	28.11	-16.62	-858.78	299.19	5,129.43	5,064.07	65.35	78.486		
13,200.00	7,247.15	6,564.00	6,541.04	177.68	28.11	-16.62	-858.78	299.19	5,228.47	5,163.06	65.41	79.937		
13,300.00	7,247.34	6,564.00	6,541.04	180.48	28.11	-16.62	-858.78	299.19	5,327.55	5,262.09	65.46	81.385		
13,400.00	7,247.53	6,564.00	6,541.04	183.28	28.11	-16.62	-858.78	299.19	5,426.66	5,361.14	65.51	82.831		
13,500.00	7,247.71	6,564.00	6,541.04	186.09	28.11	-16.62	-858.78	299.19	5,525.80	5,460.23	65.57	84.274		
13,600.00	7,247.90	6,564.00	6,541.04	188.90	28.11	-16.62	-858.78	299.19	5,624.97	5,559.35	65.62	85.714		
13,700.00	7,248.08	6,564.00	6,541.04	191.70	28.11	-16.62	-858.78	299.19	5,724.18	5,658.50	65.68	87.151		
13,800.00	7,248.27	6,564.00	6,541.04	194.52	28.11	-16.62	-858.78	299.19	5,823.41	5,757.67	65.74	88.586		
13,900.00	7,248.46	6,564.00	6,541.04	197.33	28.11	-16.62	-858.78	299.19	5,922.66	5,856.87	65.79	90.017		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,564.00	6,541.04	200.14	28.11	-16.62	-858.78	299.19	6,021.94	5,956.09	65.85	91.445		
14,100.00	7,248.83	6,564.00	6,541.04	202.95	28.11	-16.62	-858.78	299.19	6,121.25	6,055.33	65.91	92.870		
14,200.00	7,249.02	6,564.00	6,541.04	205.77	28.11	-16.62	-858.78	299.19	6,220.57	6,154.60	65.97	94.292		
14,300.00	7,249.20	6,564.00	6,541.04	208.59	28.11	-16.62	-858.78	299.19	6,319.92	6,253.89	66.03	95.711		
14,400.00	7,249.39	6,564.00	6,541.04	211.41	28.11	-16.62	-858.78	299.19	6,419.29	6,353.19	66.09	97.125		
14,500.00	7,249.58	6,564.00	6,541.04	214.23	28.11	-16.62	-858.78	299.19	6,518.67	6,452.52	66.15	98.537		
14,600.00	7,249.76	6,564.00	6,541.04	217.05	28.11	-16.62	-858.78	299.19	6,618.08	6,551.86	66.22	99.945		
14,700.00	7,249.95	6,564.00	6,541.04	219.87	28.11	-16.62	-858.78	299.19	6,717.50	6,651.22	66.28	101.349		
14,800.00	7,250.13	6,564.00	6,541.04	222.69	28.11	-16.62	-858.78	299.19	6,816.94	6,750.59	66.35	102.750		
14,900.00	7,250.32	6,564.00	6,541.04	225.51	28.11	-16.62	-858.78	299.19	6,916.40	6,849.99	66.41	104.147		
15,000.00	7,250.51	6,564.00	6,541.04	228.34	28.11	-16.62	-858.78	299.19	7,015.87	6,949.39	66.48	105.540		
15,100.00	7,250.69	6,564.00	6,541.04	231.16	28.11	-16.62	-858.78	299.19	7,115.35	7,048.81	66.54	106.929		
15,200.00	7,250.88	6,564.00	6,541.04	233.99	28.11	-16.62	-858.78	299.19	7,214.85	7,148.24	66.61	108.314		
15,300.00	7,251.07	6,564.00	6,541.04	236.82	28.11	-16.62	-858.78	299.19	7,314.37	7,247.69	66.68	109.696		
15,400.00	7,251.25	6,564.00	6,541.04	239.65	28.11	-16.62	-858.78	299.19	7,413.89	7,347.15	66.75	111.073		
15,500.00	7,251.44	6,564.00	6,541.04	242.47	28.11	-16.62	-858.78	299.19	7,513.43	7,446.62	66.82	112.447		
15,600.00	7,251.62	6,564.00	6,541.04	245.30	28.11	-16.62	-858.78	299.19	7,612.99	7,546.10	66.89	113.816		
15,700.00	7,251.81	6,564.00	6,541.04	248.13	28.11	-16.62	-858.78	299.19	7,712.55	7,645.59	66.96	115.181		
15,800.00	7,252.00	6,564.00	6,541.04	250.97	28.11	-16.62	-858.78	299.19	7,812.12	7,745.09	67.03	116.542		
15,900.00	7,252.18	6,564.00	6,541.04	253.80	28.11	-16.62	-858.78	299.19	7,911.71	7,844.60	67.11	117.899		
16,000.00	7,252.37	6,564.00	6,541.04	256.63	28.11	-16.62	-858.78	299.19	8,011.30	7,944.12	67.18	119.252		
16,100.00	7,252.56	6,564.00	6,541.04	259.46	28.11	-16.62	-858.78	299.19	8,110.91	8,043.65	67.25	120.600		
16,200.00	7,252.74	6,564.00	6,541.04	262.30	28.11	-16.62	-858.78	299.19	8,210.52	8,143.19	67.33	121.944		
16,300.00	7,252.93	6,564.00	6,541.04	265.13	28.11	-16.62	-858.78	299.19	8,310.15	8,242.74	67.41	123.284		
16,400.00	7,253.11	6,564.00	6,541.04	267.96	28.11	-16.62	-858.78	299.19	8,409.78	8,342.30	67.48	124.619		
16,500.00	7,253.30	6,564.00	6,541.04	270.80	28.11	-16.62	-858.78	299.19	8,509.42	8,441.86	67.56	125.950		
16,600.00	7,253.49	6,564.00	6,541.04	273.64	28.11	-16.62	-858.78	299.19	8,609.07	8,541.43	67.64	127.277		
16,700.00	7,253.67	6,564.00	6,541.04	276.47	28.11	-16.62	-858.78	299.19	8,708.73	8,641.01	67.72	128.599		
16,800.00	7,253.86	6,564.00	6,541.04	279.31	28.11	-16.62	-858.78	299.19	8,808.40	8,740.60	67.80	129.916		
16,900.00	7,254.05	6,564.00	6,541.04	282.15	28.11	-16.62	-858.78	299.19	8,908.07	8,840.19	67.88	131.229		
17,000.00	7,254.23	6,564.00	6,541.04	284.98	28.11	-16.62	-858.78	299.19	9,007.75	8,939.79	67.96	132.538		
17,100.00	7,254.42	6,564.00	6,541.04	287.82	28.11	-16.62	-858.78	299.19	9,107.44	9,039.39	68.05	133.842		
17,200.00	7,254.61	6,564.00	6,541.04	290.66	28.11	-16.62	-858.78	299.19	9,207.13	9,139.00	68.13	135.141		
17,300.00	7,254.79	6,564.00	6,541.04	293.50	28.11	-16.62	-858.78	299.19	9,306.83	9,238.62	68.21	136.435		
17,400.00	7,254.98	6,564.00	6,541.04	296.34	28.11	-16.62	-858.78	299.19	9,406.54	9,338.24	68.30	137.725		
17,500.00	7,255.16	6,564.00	6,541.04	299.18	28.11	-16.62	-858.78	299.19	9,506.26	9,437.87	68.38	139.011		
17,600.00	7,255.35	6,564.00	6,541.04	302.02	28.11	-16.62	-858.78	299.19	9,605.97	9,537.50	68.47	140.292		
17,700.00	7,255.54	6,564.00	6,541.04	304.86	28.11	-16.62	-858.78	299.19	9,705.70	9,637.14	68.56	141.568		
17,800.00	7,255.72	6,564.00	6,541.04	307.70	28.11	-16.62	-858.78	299.19	9,805.43	9,736.78	68.65	142.839		
17,900.00	7,255.91	6,564.00	6,541.04	310.54	28.11	-16.62	-858.78	299.19	9,905.17	9,836.43	68.74	144.105		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	140.87	-622.59	506.43	802.63					
100.00	100.00	90.32	90.31	3.28	3.29	140.85	-622.35	506.61	802.48	795.91	6.57	122.130		
200.00	200.00	191.78	191.78	3.34	3.31	140.78	-621.49	507.26	802.23	795.58	6.64	120.744		
300.00	300.00	293.23	293.21	3.44	3.34	140.65	-620.01	508.36	801.79	795.00	6.79	118.126		
400.00	399.98	409.38	409.32	3.60	3.44	24.57	-617.47	509.35	799.11	792.07	7.05	113.418		
500.00	499.84	539.69	539.48	3.79	3.66	24.75	-612.10	506.71	789.90	782.42	7.48	105.604		
600.00	599.45	661.85	661.21	4.03	3.93	25.01	-602.64	502.57	773.84	765.83	8.01	96.612		
700.00	698.70	766.14	764.93	4.30	4.20	25.38	-592.70	498.36	752.95	744.40	8.55	88.049		
800.00	797.47	879.76	877.79	4.61	4.53	25.92	-580.62	493.37	728.02	718.82	9.19	79.183		
900.00	895.62	995.65	992.37	4.96	4.91	26.54	-564.22	487.77	697.08	687.19	9.90	70.429		
939.50	934.20	1,040.33	1,036.39	5.10	5.07	26.82	-556.92	485.45	683.34	673.15	10.19	67.077		
1,000.00	993.20	1,107.94	1,102.79	5.33	5.31	27.00	-544.72	481.92	661.15	650.52	10.62	62.232		
1,100.00	1,090.72	1,197.96	1,191.11	5.73	5.65	27.23	-527.90	477.30	624.06	612.79	11.27	55.371		
1,200.00	1,188.24	1,287.50	1,279.04	6.15	5.99	27.54	-511.71	472.54	587.33	575.38	11.95	49.153		
1,300.00	1,285.76	1,390.35	1,379.92	6.59	6.40	27.91	-492.49	466.80	550.01	537.31	12.70	43.323		
1,400.00	1,383.28	1,493.91	1,480.98	7.04	6.84	28.16	-470.63	461.09	510.93	497.47	13.45	37.974		
1,500.00	1,480.80	1,594.63	1,578.64	7.50	7.28	28.28	-446.70	455.13	469.59	455.38	14.21	33.041		
1,600.00	1,578.31	1,682.61	1,663.78	7.96	7.67	28.32	-425.15	450.08	427.83	412.87	14.97	28.582		
1,700.00	1,675.83	1,766.52	1,745.22	8.44	8.04	28.31	-405.29	446.26	387.36	371.61	15.75	24.599		
1,800.00	1,773.35	1,851.96	1,828.43	8.92	8.43	28.23	-386.09	443.62	348.59	332.04	16.55	21.064		
1,900.00	1,870.87	1,943.22	1,917.52	9.40	8.84	28.17	-366.48	441.21	310.83	293.47	17.36	17.908		
2,000.00	1,968.39	2,033.54	2,005.89	9.89	9.25	28.26	-347.98	438.56	273.66	255.48	18.18	15.052		
2,100.00	2,065.91	2,130.08	2,100.34	10.39	9.68	28.53	-328.29	435.17	236.24	217.26	18.98	12.447		
2,200.00	2,163.43	2,222.92	2,190.97	10.88	10.11	28.76	-308.45	431.72	197.97	178.17	19.80	9.997		
2,300.00	2,260.95	2,317.35	2,282.87	11.38	10.55	28.55	-286.91	428.98	159.06	138.46	20.60	7.721		
2,400.00	2,358.46	2,406.33	2,369.50	11.89	10.97	28.11	-266.79	426.79	120.54	99.03	21.51	5.605		
2,500.00	2,455.98	2,499.98	2,461.01	12.39	11.41	28.22	-247.09	423.99	82.92	60.61	22.31	3.716		
2,600.00	2,553.50	2,592.97	2,551.61	12.89	11.85	28.35	-226.41	420.48	43.96	20.86	23.11	1.903		
2,700.00	2,651.02	2,684.76	2,640.95	13.40	12.29	30.00	-205.63	416.81	4.57	-19.42	24.00	0.191 Level 1		
2,711.75	2,662.48	2,695.59	2,651.50	13.46	12.34	116.78	-203.29	416.34	0.22	-25.46	25.68	0.009 Level 1, CC, ES, SF		
2,800.00	2,748.54	2,776.91	2,730.72	13.91	12.73	-151.88	-185.16	413.56	34.24	9.40	24.84	1.379 Level 3		
2,900.00	2,846.06	2,869.58	2,820.92	14.42	13.17	-150.66	-163.98	411.46	72.84	47.10	25.74	2.830		
3,000.00	2,943.58	2,958.11	2,906.98	14.93	13.60	-150.60	-143.41	408.54	112.33	85.93	26.40	4.255		
3,100.00	3,041.10	3,050.33	2,996.18	15.45	14.05	-150.65	-120.47	404.13	153.85	126.55	27.30	5.635		
3,200.00	3,138.61	3,147.06	3,090.40	15.96	14.52	-151.22	-99.07	399.43	193.32	164.99	28.34	6.822		
3,300.00	3,236.13	3,236.54	3,177.77	16.47	14.95	-151.60	-80.17	395.57	231.75	202.64	29.11	7.961		
3,400.00	3,333.65	3,335.14	3,274.00	16.99	15.42	-151.85	-59.10	391.39	270.36	240.21	30.14	8.970		
3,500.00	3,431.17	3,432.95	3,370.09	17.50	15.88	-152.46	-41.38	387.08	306.56	275.46	31.11	9.855		
3,600.00	3,528.69	3,527.57	3,463.18	18.02	16.32	-152.89	-24.82	383.54	341.95	309.95	31.99	10.688		
3,700.00	3,626.21	3,612.63	3,546.62	18.54	16.73	-153.00	-8.56	380.87	378.22	345.52	32.70	11.566		
3,800.00	3,723.73	3,702.80	3,634.75	19.06	17.16	-152.99	10.25	377.74	415.97	382.45	33.52	12.409		
3,900.00	3,821.25	3,792.30	3,722.08	19.57	17.59	-152.89	29.66	374.88	454.19	419.85	34.34	13.227		
4,000.00	3,918.77	3,874.38	3,801.75	20.09	18.00	-152.59	49.28	373.00	493.57	458.56	35.02	14.095		
4,100.00	4,016.28	3,953.25	3,877.79	20.61	18.40	-152.23	70.09	370.79	535.11	499.47	35.64	15.014		
4,200.00	4,113.80	4,035.17	3,956.32	21.13	18.82	-151.89	93.17	367.60	578.60	542.26	36.34	15.922		
4,300.00	4,211.32	4,128.53	4,045.59	21.65	19.30	-151.47	120.30	364.33	622.58	585.29	37.29	16.697		
4,400.00	4,308.84	4,237.50	4,150.34	22.17	19.86	-151.07	150.20	361.53	664.87	626.35	38.52	17.261		
4,500.00	4,406.36	4,360.20	4,269.78	22.69	20.46	-151.07	177.94	357.55	703.87	663.97	39.90	17.640		
4,600.00	4,503.88	4,448.60	4,356.45	23.21	20.88	-151.26	194.97	354.00	740.71	700.00	40.71	18.194		
4,700.00	4,601.40	4,537.59	4,443.53	23.73	21.31	-151.40	212.94	350.27	778.34	736.81	41.53	18.741		
4,800.00	4,698.92	4,629.08	4,532.95	24.26	21.76	-151.50	231.90	346.70	816.23	773.83	42.40	19.253		
4,900.00	4,796.43	4,726.89	4,628.55	24.78	22.23	-151.55	252.38	343.46	853.94	810.59	43.35	19.698		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,816.79	4,716.53	25.30	22.66	-151.64	270.51	340.05	891.35	847.16	44.19	20.170		
5,100.00	4,991.47	4,911.89	4,809.72	25.82	23.12	-151.86	288.73	334.78	928.98	883.88	45.10	20.598		
5,200.00	5,088.99	4,999.74	4,895.91	26.34	23.54	-152.15	304.57	328.74	966.54	920.63	45.90	21.056		
5,300.00	5,186.51	5,076.85	4,971.35	26.87	23.92	-152.32	319.71	323.83	1,005.03	958.47	46.56	21.584		
5,400.00	5,284.03	5,155.59	5,047.98	27.39	24.31	-152.37	337.30	319.40	1,045.09	997.83	47.25	22.118		
5,500.00	5,381.55	5,325.40	5,213.56	27.91	25.14	-152.30	374.33	314.60	1,084.03	1,034.88	49.16	22.053		
5,600.00	5,479.07	5,438.89	5,325.54	28.43	25.66	-152.40	392.69	312.85	1,117.17	1,066.92	50.25	22.233		
5,700.00	5,576.58	5,547.53	5,432.99	28.96	26.15	-152.48	408.74	312.78	1,148.32	1,097.04	51.27	22.396		
5,800.00	5,674.10	5,641.50	5,525.87	29.48	26.58	-152.50	423.01	313.39	1,179.41	1,127.26	52.15	22.616		
5,900.00	5,771.62	5,900.00	5,648.31	30.00	27.71	-152.67	438.52	313.07	1,208.95	1,155.06	53.89	22.436		
6,000.00	5,869.14	5,916.84	5,799.66	30.53	27.76	-153.01	451.12	314.07	1,234.31	1,179.72	54.59	22.612		
6,100.00	5,966.66	6,030.05	5,912.71	31.05	28.22	-153.37	457.07	314.23	1,258.15	1,202.59	55.55	22.647		
6,200.00	6,064.18	6,134.44	6,017.04	31.58	28.64	-153.76	460.66	313.68	1,281.03	1,224.57	56.46	22.690		
6,300.00	6,161.70	6,247.69	6,130.26	32.10	29.09	-154.25	462.91	312.32	1,303.29	1,245.89	57.40	22.706		
6,400.00	6,259.22	7,749.99	7,050.25	32.62	38.13	-123.17	477.28	1,160.16	1,312.08	1,258.17	53.91	24.337		
6,500.00	6,356.74	7,765.50	7,050.33	33.15	38.37	-122.40	477.12	1,175.67	1,262.76	1,205.50	57.27	22.050		
6,600.00	6,454.25	7,782.46	7,050.48	33.67	38.64	-121.55	476.96	1,192.62	1,219.40	1,158.75	60.65	20.104		
6,623.48	6,477.15	7,787.14	7,050.53	33.80	38.71	-121.32	476.93	1,197.31	1,210.15	1,148.69	61.46	19.691		
6,650.00	6,503.12	7,791.90	7,050.58	33.93	38.79	-125.70	476.89	1,202.07	1,200.10	1,137.75	62.35	19.248		
6,700.00	6,552.50	7,798.02	7,050.63	34.16	38.89	-142.57	476.85	1,208.18	1,182.33	1,118.38	63.96	18.487		
6,750.00	6,602.21	7,800.40	7,050.65	34.36	38.93	-178.96	476.83	1,210.57	1,166.30	1,100.86	65.44	17.822		
6,800.00	6,651.92	7,799.08	7,050.64	34.54	38.91	143.37	476.84	1,209.24	1,152.21	1,085.42	66.79	17.251		
6,850.00	6,701.33	7,794.10	7,050.60	34.70	38.83	124.57	476.88	1,204.26	1,140.21	1,072.22	67.99	16.770		
6,900.00	6,750.14	7,785.53	7,050.51	34.86	38.69	115.56	476.94	1,195.69	1,130.37	1,061.34	69.03	16.374		
6,950.00	6,798.04	7,773.88	7,050.40	35.02	38.50	110.40	477.04	1,184.05	1,122.74	1,052.82	69.92	16.057		
7,000.00	6,844.75	7,759.59	7,050.29	35.19	38.28	106.92	477.18	1,169.76	1,117.31	1,046.64	70.67	15.811		
7,050.00	6,889.97	7,741.86	7,050.24	35.37	38.01	104.17	477.38	1,152.03	1,113.98	1,042.73	71.24	15.636		
7,100.00	6,933.42	7,720.70	7,050.30	35.57	37.69	101.76	477.66	1,130.87	1,112.62	1,040.96	71.66	15.527		
7,112.46	6,943.94	7,714.90	7,050.34	35.63	37.60	101.19	477.74	1,125.07	1,112.56	1,040.83	71.74	15.509		
7,150.00	6,974.83	7,696.18	7,050.53	35.79	37.32	99.51	478.04	1,106.35	1,113.03	1,041.12	71.91	15.477		
7,200.00	7,013.96	7,651.96	7,050.95	36.02	36.68	96.68	478.62	1,062.15	1,114.84	1,043.07	71.77	15.533		
7,250.00	7,050.56	7,611.68	7,051.02	36.28	36.16	94.23	478.74	1,021.86	1,117.44	1,045.75	71.69	15.587		
7,300.00	7,084.39	7,569.73	7,051.10	36.57	35.60	91.93	478.60	979.92	1,120.67	1,049.16	71.51	15.671		
7,350.00	7,115.27	7,515.02	7,050.39	36.89	34.99	89.42	477.92	925.22	1,124.12	1,052.93	71.20	15.789		
7,400.00	7,142.99	7,466.00	7,046.98	37.25	34.45	87.24	476.56	876.35	1,127.41	1,056.46	70.95	15.890		
7,450.00	7,167.38	7,432.10	7,043.00	37.65	34.12	85.64	475.46	842.70	1,130.82	1,059.83	70.99	15.928		
7,500.00	7,188.30	7,400.68	7,038.03	38.08	33.83	84.20	474.60	811.69	1,134.57	1,063.48	71.09	15.960		
7,550.00	7,205.61	7,367.85	7,031.54	38.55	33.54	82.82	473.84	779.52	1,138.54	1,067.35	71.19	15.992		
7,600.00	7,219.20	7,321.21	7,019.67	39.06	33.21	81.17	472.47	734.45	1,142.27	1,071.11	71.16	16.051		
7,650.00	7,229.00	7,276.21	7,005.10	39.61	32.91	79.67	470.50	691.92	1,145.47	1,074.30	71.17	16.095		
7,700.00	7,234.95	7,229.07	6,986.29	40.18	32.68	78.21	467.62	648.81	1,148.01	1,076.80	71.21	16.122		
7,750.07	7,237.00	7,184.67	6,965.11	40.78	32.49	76.88	464.01	609.98	1,149.84	1,078.55	71.29	16.129		
7,800.00	7,237.09	7,183.00	6,964.25	41.41	32.48	76.84	463.86	608.55	1,152.35	1,080.25	72.10	15.983		
7,900.00	7,237.28	7,145.28	6,943.54	42.79	32.34	75.81	461.49	577.14	1,161.77	1,088.54	73.22	15.866		
8,000.00	7,237.47	7,121.78	6,929.44	44.31	32.25	75.12	461.10	558.35	1,178.16	1,103.60	74.56	15.801		
8,100.00	7,237.65	7,091.00	6,909.68	45.97	32.15	74.18	461.88	534.77	1,201.31	1,125.56	75.75	15.860		
8,200.00	7,237.84	7,069.47	6,895.12	47.75	32.07	73.51	462.98	518.95	1,230.46	1,153.45	77.01	15.979		
8,300.00	7,238.02	7,034.74	6,870.61	49.63	31.96	72.39	464.95	494.42	1,264.98	1,186.98	78.00	16.218		
8,400.00	7,238.21	6,997.00	6,842.64	51.61	31.83	71.13	467.37	469.21	1,304.55	1,225.70	78.84	16.546		
8,500.00	7,238.40	6,997.00	6,842.64	53.66	31.83	71.13	467.37	469.21	1,349.28	1,269.28	80.01	16.865		
8,600.00	7,238.58	6,955.62	6,810.12	55.79	31.70	69.70	470.26	443.80	1,398.04	1,317.43	80.61	17.343		
8,700.00	7,238.77	6,936.04	6,794.01	57.99	31.63	69.00	471.67	432.76	1,451.56	1,370.24	81.31	17.852		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,905.00	6,767.61	60.24	31.53	67.88	473.97	416.61	1,509.33	1,427.54	81.79	18.453		
8,900.00	7,239.14	6,905.00	6,767.61	62.54	31.53	67.88	473.97	416.61	1,570.45	1,487.99	82.46	19.046		
9,000.00	7,239.33	6,880.34	6,746.01	64.88	31.45	66.98	475.70	404.85	1,634.97	1,552.16	82.81	19.743		
9,100.00	7,239.52	6,861.16	6,728.91	67.27	31.38	66.27	476.85	396.24	1,702.39	1,619.26	83.13	20.478		
9,200.00	7,239.70	6,844.00	6,713.39	69.69	31.33	65.63	477.74	388.96	1,772.44	1,689.04	83.40	21.252		
9,300.00	7,239.89	6,810.00	6,682.11	72.15	31.21	64.35	479.11	375.72	1,845.14	1,761.66	83.48	22.103		
9,400.00	7,240.07	6,810.00	6,682.11	72.15	31.21	64.35	479.11	375.72	1,845.14	1,761.66	83.48	22.103		
9,500.00	7,240.26	6,734.70	6,611.70	77.14	30.95	61.51	478.28	349.14	1,995.72	1,912.32	83.40	23.929		
9,600.00	7,240.45	6,718.00	6,596.01	79.68	30.89	60.88	477.20	343.52	2,072.84	1,989.35	83.48	24.829		
9,700.00	7,240.63	6,718.00	6,596.01	82.23	30.89	60.88	477.20	343.52	2,151.82	2,068.14	83.68	25.715		
9,800.00	7,240.82	6,718.00	6,596.01	84.81	30.89	60.88	477.20	343.52	2,232.48	2,148.65	83.84	26.629		
9,900.00	7,241.01	6,684.64	6,564.39	87.40	30.76	59.61	474.60	333.22	2,313.74	2,230.05	83.69	27.646		
10,000.00	7,241.19	6,677.51	6,557.57	90.01	30.74	59.34	474.02	331.22	2,396.83	2,313.09	83.74	28.621		
10,100.00	7,241.38	6,670.89	6,551.22	92.64	30.71	59.09	473.46	329.44	2,481.10	2,397.32	83.78	29.615		
10,200.00	7,241.56	6,664.73	6,545.29	95.28	30.69	58.85	472.93	327.84	2,566.43	2,482.63	83.80	30.626		
10,300.00	7,241.75	6,658.98	6,539.75	97.93	30.67	58.64	472.43	326.39	2,652.73	2,568.92	83.81	31.651		
10,400.00	7,241.94	6,625.00	6,506.76	100.59	30.54	57.36	469.32	318.86	2,740.59	2,656.99	83.60	32.782		
10,500.00	7,242.12	6,625.00	6,506.76	103.26	30.54	57.36	469.32	318.86	2,828.35	2,744.71	83.64	33.816		
10,600.00	7,242.31	6,625.00	6,506.76	105.95	30.54	57.36	469.32	318.86	2,916.91	2,833.24	83.67	34.864		
10,700.00	7,242.50	6,625.00	6,506.76	108.64	30.54	57.36	469.32	318.86	3,006.18	2,922.50	83.68	35.924		
10,800.00	7,242.68	6,625.00	6,506.76	111.34	30.54	57.36	469.32	318.86	3,096.11	3,012.42	83.69	36.994		
10,900.00	7,242.87	6,625.00	6,506.76	114.05	30.54	57.36	469.32	318.86	3,186.64	3,102.94	83.69	38.075		
11,000.00	7,243.05	6,625.00	6,506.76	116.76	30.54	57.36	469.32	318.86	3,277.72	3,194.03	83.69	39.165		
11,100.00	7,243.24	6,625.00	6,506.76	119.49	30.54	57.36	469.32	318.86	3,369.30	3,285.62	83.68	40.263		
11,200.00	7,243.43	6,625.00	6,506.76	122.22	30.54	57.36	469.32	318.86	3,461.35	3,377.68	83.67	41.368		
11,300.00	7,243.61	6,625.00	6,506.76	124.95	30.54	57.36	469.32	318.86	3,553.83	3,470.18	83.66	42.480		
11,400.00	7,243.80	6,625.00	6,506.76	127.69	30.54	57.36	469.32	318.86	3,646.71	3,563.07	83.64	43.598		
11,500.00	7,243.99	6,625.00	6,506.76	130.44	30.54	57.36	469.32	318.86	3,739.96	3,656.33	83.63	44.722		
11,600.00	7,244.17	6,625.00	6,506.76	133.19	30.54	57.36	469.32	318.86	3,833.54	3,749.93	83.61	45.851		
11,700.00	7,244.36	6,625.00	6,506.76	135.94	30.54	57.36	469.32	318.86	3,927.44	3,843.85	83.59	46.985		
11,800.00	7,244.55	6,625.00	6,506.76	138.70	30.54	57.36	469.32	318.86	4,021.64	3,938.07	83.57	48.122		
11,900.00	7,244.73	6,625.00	6,506.76	141.47	30.54	57.36	469.32	318.86	4,116.11	4,032.56	83.55	49.264		
12,000.00	7,244.92	6,625.00	6,506.76	144.24	30.54	57.36	469.32	318.86	4,210.83	4,127.30	83.53	50.409		
12,100.00	7,245.10	6,625.00	6,506.76	147.01	30.54	57.36	469.32	318.86	4,305.80	4,222.28	83.52	51.557		
12,200.00	7,245.29	6,625.00	6,506.76	149.78	30.54	57.36	469.32	318.86	4,400.98	4,317.49	83.50	52.707		
12,300.00	7,245.48	6,625.00	6,506.76	152.56	30.54	57.36	469.32	318.86	4,496.38	4,412.90	83.48	53.860		
12,400.00	7,245.66	6,625.00	6,506.76	155.34	30.54	57.36	469.32	318.86	4,591.97	4,508.50	83.47	55.015		
12,500.00	7,245.85	6,625.00	6,506.76	158.12	30.54	57.36	469.32	318.86	4,687.75	4,604.29	83.45	56.173		
12,600.00	7,246.04	6,625.00	6,506.76	160.91	30.54	57.36	469.32	318.86	4,783.70	4,700.26	83.44	57.332		
12,700.00	7,246.22	6,625.00	6,506.76	163.70	30.54	57.36	469.32	318.86	4,879.81	4,796.38	83.43	58.492		
12,800.00	7,246.41	6,625.00	6,506.76	166.49	30.54	57.36	469.32	318.86	4,976.07	4,892.66	83.42	59.654		
12,900.00	7,246.59	6,625.00	6,506.76	169.28	30.54	57.36	469.32	318.86	5,072.48	4,989.07	83.41	60.816		
13,000.00	7,246.78	6,625.00	6,506.76	172.08	30.54	57.36	469.32	318.86	5,169.03	5,085.63	83.40	61.980		
13,100.00	7,246.97	6,625.00	6,506.76	174.88	30.54	57.36	469.32	318.86	5,265.70	5,182.31	83.39	63.145		
13,200.00	7,247.15	6,625.00	6,506.76	177.68	30.54	57.36	469.32	318.86	5,362.50	5,279.11	83.39	64.310		
13,300.00	7,247.34	6,625.00	6,506.76	180.48	30.54	57.36	469.32	318.86	5,459.41	5,376.03	83.38	65.475		
13,400.00	7,247.53	6,625.00	6,506.76	183.28	30.54	57.36	469.32	318.86	5,556.43	5,473.05	83.38	66.641		
13,500.00	7,247.71	6,625.00	6,506.76	186.09	30.54	57.36	469.32	318.86	5,653.55	5,570.18	83.38	67.807		
13,600.00	7,247.90	6,625.00	6,506.76	188.90	30.54	57.36	469.32	318.86	5,750.78	5,667.40	83.38	68.973		
13,700.00	7,248.08	6,625.00	6,506.76	191.70	30.54	57.36	469.32	318.86	5,848.09	5,764.72	83.38	70.139		
13,800.00	7,248.27	6,625.00	6,506.76	194.52	30.54	57.36	469.32	318.86	5,945.50	5,862.12	83.38	71.305		
13,900.00	7,248.46	6,625.00	6,506.76	197.33	30.54	57.36	469.32	318.86	6,042.99	5,959.61	83.39	72.471		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,625.00	6,506.76	200.14	30.54	57.36	469.32	318.86	6,140.56	6,057.17	83.39	73.636		
14,100.00	7,248.83	6,625.00	6,506.76	202.95	30.54	57.36	469.32	318.86	6,238.21	6,154.81	83.40	74.801		
14,200.00	7,249.02	6,625.00	6,506.76	205.77	30.54	57.36	469.32	318.86	6,335.93	6,252.53	83.41	75.965		
14,300.00	7,249.20	6,625.00	6,506.76	208.59	30.54	57.36	469.32	318.86	6,433.73	6,350.31	83.42	77.128		
14,400.00	7,249.39	6,625.00	6,506.76	211.41	30.54	57.36	469.32	318.86	6,531.58	6,448.16	83.43	78.291		
14,500.00	7,249.58	6,625.00	6,506.76	214.23	30.54	57.36	469.32	318.86	6,629.51	6,546.07	83.44	79.453		
14,600.00	7,249.76	6,581.72	6,464.13	217.05	30.37	55.76	466.00	312.30	6,725.29	6,641.95	83.34	80.701		
14,700.00	7,249.95	6,581.06	6,463.48	219.87	30.36	55.74	465.96	312.23	6,823.26	6,739.91	83.35	81.862		
14,800.00	7,250.13	6,580.43	6,462.85	222.69	30.36	55.72	465.92	312.16	6,921.30	6,837.93	83.37	83.023		
14,900.00	7,250.32	6,579.81	6,462.23	225.51	30.36	55.69	465.89	312.10	7,019.39	6,936.01	83.38	84.182		
15,000.00	7,250.51	6,579.20	6,461.63	228.34	30.36	55.67	465.85	312.03	7,117.53	7,034.13	83.40	85.340		
15,100.00	7,250.69	6,578.61	6,461.04	231.16	30.35	55.65	465.82	311.97	7,215.73	7,132.30	83.42	86.497		
15,200.00	7,250.88	6,578.03	6,460.47	233.99	30.35	55.63	465.79	311.92	7,313.97	7,230.52	83.44	87.653		
15,300.00	7,251.07	6,577.47	6,459.91	236.82	30.35	55.61	465.76	311.86	7,412.25	7,328.79	83.46	88.807		
15,400.00	7,251.25	6,576.92	6,459.37	239.65	30.35	55.59	465.73	311.81	7,510.58	7,427.10	83.49	89.960		
15,500.00	7,251.44	6,576.39	6,458.83	242.47	30.35	55.57	465.70	311.76	7,608.96	7,525.45	83.51	91.111		
15,600.00	7,251.62	6,575.86	6,458.31	245.30	30.34	55.55	465.67	311.71	7,707.37	7,623.83	83.54	92.261		
15,700.00	7,251.81	6,532.00	6,414.55	248.13	30.17	54.02	464.17	309.55	7,808.01	7,724.53	83.48	93.527		
15,800.00	7,252.00	6,532.00	6,414.55	250.97	30.17	54.02	464.17	309.55	7,906.45	7,822.94	83.51	94.672		
15,900.00	7,252.18	6,532.00	6,414.55	253.80	30.17	54.02	464.17	309.55	8,004.93	7,921.38	83.55	95.815		
16,000.00	7,252.37	6,532.00	6,414.55	256.63	30.17	54.02	464.17	309.55	8,103.45	8,019.87	83.58	96.957		
16,100.00	7,252.56	6,532.00	6,414.55	259.46	30.17	54.02	464.17	309.55	8,202.00	8,118.39	83.61	98.097		
16,200.00	7,252.74	6,532.00	6,414.55	262.30	30.17	54.02	464.17	309.55	8,300.59	8,216.94	83.65	99.235		
16,300.00	7,252.93	6,532.00	6,414.55	265.13	30.17	54.02	464.17	309.55	8,399.21	8,315.53	83.68	100.371		
16,400.00	7,253.11	6,532.00	6,414.55	267.96	30.17	54.02	464.17	309.55	8,497.86	8,414.14	83.72	101.506		
16,500.00	7,253.30	6,532.00	6,414.55	270.80	30.17	54.02	464.17	309.55	8,596.54	8,512.79	83.76	102.638		
16,600.00	7,253.49	6,532.00	6,414.55	273.64	30.17	54.02	464.17	309.55	8,695.26	8,611.46	83.79	103.769		
16,700.00	7,253.67	6,532.00	6,414.55	276.47	30.17	54.02	464.17	309.55	8,794.00	8,710.17	83.83	104.898		
16,800.00	7,253.86	6,532.00	6,414.55	279.31	30.17	54.02	464.17	309.55	8,892.77	8,808.90	83.87	106.025		
16,900.00	7,254.05	6,532.00	6,414.55	282.15	30.17	54.02	464.17	309.55	8,991.57	8,907.66	83.92	107.149		
17,000.00	7,254.23	6,532.00	6,414.55	284.98	30.17	54.02	464.17	309.55	9,090.40	9,006.44	83.96	108.272		
17,100.00	7,254.42	6,532.00	6,414.55	287.82	30.17	54.02	464.17	309.55	9,189.25	9,105.24	84.00	109.392		
17,200.00	7,254.61	6,532.00	6,414.55	290.66	30.17	54.02	464.17	309.55	9,288.12	9,204.07	84.05	110.511		
17,300.00	7,254.79	6,532.00	6,414.55	293.50	30.17	54.02	464.17	309.55	9,387.02	9,302.93	84.09	111.627		
17,400.00	7,254.98	6,532.00	6,414.55	296.34	30.17	54.02	464.17	309.55	9,485.94	9,401.80	84.14	112.741		
17,500.00	7,255.16	6,532.00	6,414.55	299.18	30.17	54.02	464.17	309.55	9,584.89	9,500.70	84.19	113.853		
17,600.00	7,255.35	6,532.00	6,414.55	302.02	30.17	54.02	464.17	309.55	9,683.85	9,599.62	84.24	114.962		
17,700.00	7,255.54	6,532.00	6,414.55	304.86	30.17	54.02	464.17	309.55	9,782.84	9,698.55	84.28	116.069		
17,800.00	7,255.72	6,532.00	6,414.55	307.70	30.17	54.02	464.17	309.55	9,881.85	9,797.51	84.33	117.174		
17,900.00	7,255.91	6,532.00	6,414.55	310.54	30.17	54.02	464.17	309.55	9,980.87	9,896.49	84.39	118.276		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	138.98	-582.52	506.71	772.14					
100.00	100.00	81.07	81.07	3.28	3.29	138.97	-582.74	507.08	772.52	765.95	6.57	117.583		
200.00	200.00	176.75	176.73	3.34	3.31	138.94	-583.51	508.40	774.02	767.37	6.65	116.364		
300.00	300.00	283.99	283.96	3.44	3.41	138.89	-584.06	509.75	775.25	768.39	6.86	113.072		
400.00	399.98	399.38	399.34	3.60	3.58	22.86	-582.99	510.55	773.41	766.22	7.18	107.710		
500.00	499.84	540.60	540.39	3.79	3.86	22.86	-576.45	509.85	764.87	757.18	7.69	99.411		
600.00	599.45	688.94	687.74	4.03	4.25	22.78	-560.03	506.03	746.87	738.49	8.38	89.129		
700.00	698.70	837.96	833.69	4.30	4.71	22.28	-530.77	500.89	718.76	709.58	9.19	78.242		
800.00	797.47	953.06	944.42	4.61	5.12	21.50	-499.52	497.67	682.67	672.80	9.88	69.126		
900.00	895.62	1,064.49	1,050.55	4.96	5.55	20.57	-465.78	494.08	641.37	630.77	10.60	60.530		
939.50	934.20	1,102.13	1,086.18	5.10	5.70	20.26	-453.76	492.44	623.54	612.68	10.86	57.403		
1,000.00	993.20	1,156.48	1,137.65	5.33	5.93	19.58	-436.48	489.84	595.86	584.61	11.25	52.979		
1,100.00	1,090.72	1,236.78	1,214.01	5.73	6.28	18.61	-412.05	485.45	550.73	538.87	11.86	46.430		
1,200.00	1,188.24	1,335.90	1,308.74	6.15	6.73	17.46	-383.67	478.76	506.13	493.55	12.58	40.219		
1,300.00	1,285.76	1,431.96	1,399.68	6.59	7.19	15.91	-353.60	471.57	459.46	446.14	13.32	34.506		
1,400.00	1,383.28	1,517.17	1,479.65	7.04	7.61	13.78	-324.60	466.71	412.61	398.56	14.05	29.370		
1,500.00	1,480.80	1,594.88	1,552.59	7.50	7.99	11.20	-297.91	463.92	367.68	352.87	14.81	24.823		
1,600.00	1,578.31	1,677.61	1,631.13	7.96	8.40	8.12	-272.04	461.79	326.09	310.47	15.62	20.873		
1,700.00	1,675.83	1,765.85	1,714.85	8.44	8.84	3.84	-244.20	460.35	286.32	269.84	16.48	17.374		
1,800.00	1,773.35	1,853.74	1,797.98	8.92	9.29	-1.90	-215.67	459.76	248.88	231.48	17.40	14.305		
1,900.00	1,870.87	1,944.83	1,884.11	9.40	9.76	-9.66	-186.03	458.98	214.47	196.09	18.39	11.664		
2,000.00	1,968.39	2,036.78	1,971.13	9.89	10.23	-19.78	-156.39	456.83	183.81	164.34	19.47	9.441		
2,100.00	2,065.91	2,125.99	2,055.53	10.39	10.70	-32.47	-127.66	453.77	159.79	139.13	20.66	7.735		
2,200.00	2,163.43	2,215.71	2,140.49	10.88	11.17	-47.82	-99.07	450.20	146.51	124.67	21.84	6.708		
2,251.24	2,213.40	2,262.31	2,184.65	11.14	11.42	-56.38	-84.37	447.99	144.76	122.38	22.39	6.467 CC, ES		
2,300.00	2,260.95	2,306.69	2,226.74	11.38	11.65	-64.58	-70.50	445.45	146.36	123.52	22.84	6.409 SF		
2,400.00	2,358.46	2,396.47	2,311.85	11.89	12.13	-80.27	-42.65	439.17	159.39	135.84	23.55	6.769		
2,500.00	2,455.98	2,482.65	2,393.44	12.39	12.59	-92.93	-15.69	432.52	184.11	160.05	24.05	7.655		
2,600.00	2,553.50	2,572.17	2,478.12	12.89	13.07	-102.98	12.58	425.90	217.08	192.44	24.64	8.809		
2,700.00	2,651.02	2,663.69	2,565.08	13.40	13.56	-110.55	40.31	419.32	253.70	228.35	25.35	10.008		
2,800.00	2,748.54	2,751.54	2,648.91	13.91	14.03	-115.49	66.34	415.75	292.42	266.37	26.04	11.228		
2,900.00	2,846.06	2,839.83	2,732.96	14.42	14.49	-118.96	93.34	414.10	333.29	306.50	26.80	12.437		
3,000.00	2,943.58	2,928.10	2,816.95	14.93	14.96	-121.83	120.35	411.65	375.20	347.62	27.58	13.606		
3,100.00	3,041.10	3,014.99	2,899.50	15.45	15.43	-124.07	147.36	409.42	418.16	389.81	28.35	14.750		
3,200.00	3,138.61	3,104.04	2,983.87	15.96	15.91	-125.64	175.89	409.27	461.95	432.76	29.19	15.825		
3,300.00	3,236.13	3,193.70	3,068.88	16.47	16.39	-126.93	204.37	409.29	505.68	475.63	30.05	16.827		
3,400.00	3,333.65	3,280.03	3,150.67	16.99	16.85	-128.05	231.98	408.62	549.98	519.12	30.86	17.823		
3,500.00	3,431.17	3,369.41	3,235.32	17.50	17.33	-129.15	260.60	406.92	594.75	563.03	31.72	18.749		
3,600.00	3,528.69	3,468.34	3,329.34	18.02	17.87	-130.27	291.30	404.42	638.98	606.23	32.75	19.512		
3,700.00	3,626.21	3,571.59	3,427.90	18.54	18.41	-131.08	322.03	404.57	681.42	647.59	33.83	20.144		
3,800.00	3,723.73	3,670.40	3,522.67	19.06	18.92	-131.79	350.00	404.68	722.66	687.84	34.82	20.753		
3,900.00	3,821.25	3,759.41	3,608.25	19.57	19.38	-132.40	374.51	404.57	763.35	727.68	35.67	21.398		
4,000.00	3,918.77	3,841.18	3,686.61	20.09	19.81	-132.87	397.86	404.54	805.00	768.57	36.43	22.097		
4,100.00	4,016.28	3,922.95	3,764.63	20.61	20.24	-133.24	422.29	405.03	847.67	810.48	37.19	22.792		
4,200.00	4,113.80	4,004.58	3,842.29	21.13	20.68	-133.56	447.46	405.43	891.25	853.29	37.96	23.480		
4,300.00	4,211.32	4,084.70	3,918.26	21.65	21.11	-133.84	472.92	405.73	935.74	897.03	38.71	24.176		
4,400.00	4,308.84	4,159.04	3,988.42	22.17	21.52	-134.05	497.50	405.98	981.38	942.01	39.37	24.926		
4,500.00	4,406.36	4,235.10	4,059.83	22.69	21.95	-134.23	523.68	406.13	1,028.27	988.20	40.07	25.662		
4,600.00	4,503.88	4,356.55	4,174.06	23.21	22.62	-134.55	564.89	405.72	1,075.17	1,033.71	41.46	25.934		
4,700.00	4,601.40	4,475.86	4,287.91	23.73	23.26	-134.97	600.51	404.55	1,118.42	1,075.67	42.75	26.162		
4,800.00	4,698.92	4,577.69	4,385.60	24.26	23.79	-135.33	629.23	403.49	1,160.31	1,116.53	43.78	26.502		
4,900.00	4,796.43	4,666.82	4,471.42	24.78	24.26	-135.67	653.30	402.11	1,201.37	1,156.72	44.65	26.906		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,725.06	4,527.24	25.30	24.56	-135.91	669.78	400.27	1,244.14	1,199.02	45.12	27.573		
5,100.00	4,991.47	4,794.35	4,593.24	25.82	24.94	-136.20	690.64	397.25	1,288.92	1,243.19	45.73	28.184		
5,200.00	5,088.99	4,886.81	4,681.07	26.34	25.44	-136.55	719.22	392.98	1,334.56	1,287.90	46.66	28.600		
5,300.00	5,186.51	4,963.27	4,753.87	26.87	25.86	-136.85	742.29	389.09	1,379.81	1,332.44	47.38	29.125		
5,400.00	5,284.03	5,031.94	4,818.82	27.39	26.24	-137.10	764.21	385.08	1,426.75	1,378.77	47.98	29.737		
5,500.00	5,381.55	5,166.49	4,946.84	27.91	26.98	-137.66	804.57	375.99	1,472.41	1,422.93	49.48	29.759		
5,600.00	5,479.07	5,265.35	5,041.50	28.43	27.50	-138.07	832.30	369.40	1,516.50	1,466.02	50.48	30.044		
5,700.00	5,576.58	5,399.61	5,170.37	28.96	28.21	-138.50	869.37	362.95	1,559.72	1,507.83	51.89	30.056		
5,800.00	5,674.10	5,590.60	5,356.54	29.48	29.14	-139.41	909.65	349.75	1,597.89	1,544.11	53.78	29.714		
5,900.00	5,771.62	5,712.55	5,476.38	30.00	29.71	-139.92	931.45	343.94	1,632.70	1,577.80	54.90	29.740		
6,000.00	5,869.14	6,000.00	5,600.99	30.53	31.01	-140.32	952.96	341.61	1,665.57	1,608.80	56.76	29.342		
6,100.00	5,966.66	5,978.80	5,739.23	31.05	30.90	-140.74	973.44	340.62	1,695.79	1,638.54	57.25	29.622		
6,200.00	6,064.18	6,073.48	5,833.03	31.58	31.31	-141.04	986.32	339.46	1,725.64	1,667.52	58.12	29.691		
6,300.00	6,161.70	6,196.11	5,954.52	32.10	31.84	-141.40	1,002.96	338.57	1,755.44	1,696.26	59.18	29.664		
6,400.00	6,259.22	6,382.00	6,139.43	32.62	32.60	-141.92	1,021.61	340.62	1,781.13	1,720.60	60.54	29.422		
6,500.00	6,356.74	7,866.91	7,074.03	33.15	40.33	-118.48	1,059.13	1,227.12	1,786.13	1,722.32	63.81	27.992		
6,600.00	6,454.25	7,881.77	7,073.31	33.67	40.55	-117.98	1,058.94	1,241.96	1,757.09	1,690.84	66.25	26.523		
6,623.48	6,477.15	7,885.41	7,073.14	33.80	40.61	-117.86	1,058.89	1,245.60	1,751.01	1,684.20	66.81	26.209		
6,650.00	6,503.12	7,889.04	7,072.98	33.93	40.66	-122.72	1,058.83	1,249.22	1,744.48	1,677.05	67.43	25.873		
6,700.00	6,552.50	7,893.00	7,072.81	34.16	40.72	-140.44	1,058.77	1,253.18	1,733.15	1,664.65	68.51	25.299		
6,750.00	6,602.21	7,893.00	7,072.81	34.36	40.72	-177.56	1,058.77	1,253.18	1,723.23	1,653.76	69.47	24.806		
6,800.00	6,651.92	7,888.82	7,072.99	34.54	40.66	144.14	1,058.84	1,249.01	1,714.78	1,644.48	70.30	24.391		
6,850.00	6,701.33	7,880.26	7,073.38	34.70	40.53	124.83	1,058.96	1,240.45	1,707.87	1,636.86	71.01	24.050		
6,900.00	6,750.14	7,867.11	7,074.02	34.86	40.34	115.41	1,059.12	1,227.32	1,702.48	1,630.89	71.60	23.778		
6,950.00	6,798.04	7,849.22	7,074.99	35.02	40.07	109.91	1,059.32	1,209.46	1,698.58	1,626.53	72.05	23.575		
7,000.00	6,844.75	7,826.45	7,076.39	35.19	39.74	106.15	1,059.50	1,186.73	1,696.07	1,623.70	72.37	23.436		
7,050.00	6,889.97	7,807.43	7,077.51	35.37	39.48	103.47	1,059.67	1,167.75	1,694.86	1,622.13	72.74	23.301		
7,072.14	6,909.44	7,798.69	7,077.93	35.46	39.37	102.47	1,059.78	1,159.01	1,694.74	1,621.86	72.89	23.252		
7,100.00	6,933.42	7,787.27	7,078.39	35.57	39.21	101.31	1,059.95	1,147.60	1,694.93	1,621.88	73.05	23.201		
7,150.00	6,974.83	7,765.70	7,078.96	35.79	38.93	99.42	1,060.36	1,126.05	1,696.17	1,622.86	73.32	23.135		
7,200.00	7,013.96	7,742.89	7,079.17	36.02	38.64	97.72	1,060.94	1,103.25	1,698.48	1,624.94	73.54	23.097		
7,250.00	7,050.56	7,636.62	7,069.71	36.28	37.42	93.95	1,062.21	997.59	1,701.29	1,628.73	72.56	23.447		
7,300.00	7,084.39	7,577.28	7,056.01	36.57	36.87	91.53	1,061.05	939.88	1,703.57	1,631.24	72.33	23.551		
7,350.00	7,115.27	7,543.00	7,045.75	36.89	36.59	89.91	1,059.90	907.20	1,706.06	1,633.63	72.43	23.554		
7,400.00	7,142.99	7,543.00	7,045.75	37.25	36.59	89.26	1,059.90	907.20	1,709.36	1,636.37	72.99	23.418		
7,450.00	7,167.38	7,512.89	7,035.20	37.65	36.38	87.85	1,059.07	879.02	1,712.97	1,639.75	73.21	23.397		
7,500.00	7,188.30	7,499.31	7,029.94	38.08	36.30	86.90	1,058.91	866.50	1,717.39	1,643.74	73.65	23.317		
7,550.00	7,205.61	7,485.35	7,024.20	38.55	36.21	85.95	1,058.88	853.78	1,722.35	1,648.24	74.11	23.240		
7,600.00	7,219.20	7,450.00	7,008.23	39.06	36.02	84.57	1,059.43	822.25	1,728.11	1,653.79	74.32	23.251		
7,650.00	7,229.00	7,450.00	7,008.23	39.61	36.02	83.99	1,059.43	822.25	1,733.60	1,658.60	75.01	23.113		
7,700.00	7,234.95	7,450.00	7,008.23	40.18	36.02	83.39	1,059.43	822.25	1,739.73	1,664.02	75.70	22.981		
7,750.07	7,237.00	7,412.21	6,989.42	40.78	35.85	82.17	1,060.68	789.49	1,745.73	1,669.73	76.00	22.970		
7,800.00	7,237.09	7,388.12	6,976.78	41.41	35.75	81.76	1,061.66	769.01	1,752.18	1,675.72	76.46	22.915		
7,900.00	7,237.28	7,322.46	6,939.90	42.79	35.54	80.57	1,064.74	714.79	1,767.46	1,690.16	77.31	22.862		
8,000.00	7,237.47	7,184.33	6,853.90	44.31	35.19	77.81	1,066.82	606.79	1,783.80	1,706.27	77.53	23.008		
8,100.00	7,237.65	7,088.49	6,789.31	45.97	34.97	75.74	1,063.70	536.08	1,799.96	1,721.70	78.25	23.002		
8,200.00	7,237.84	7,041.46	6,755.73	47.75	34.86	74.67	1,061.31	503.25	1,818.70	1,739.18	79.52	22.870		
8,300.00	7,238.02	7,006.41	6,729.52	49.63	34.77	73.84	1,059.56	480.05	1,841.30	1,760.38	80.92	22.755		
8,400.00	7,238.21	6,979.00	6,708.33	51.61	34.70	73.18	1,058.25	462.72	1,867.85	1,785.49	82.36	22.679		
8,500.00	7,238.40	6,950.68	6,685.69	53.66	34.62	72.47	1,056.91	445.76	1,898.38	1,814.63	83.75	22.667		
8,600.00	7,238.58	6,928.82	6,667.65	55.79	34.56	71.91	1,055.89	433.46	1,932.93	1,847.79	85.14	22.703		
8,700.00	7,238.77	6,885.00	6,630.10	57.99	34.44	70.76	1,053.87	410.98	1,971.80	1,885.58	86.21	22.871		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,885.00	6,630.10	60.24	34.44	70.76	1,053.87	410.98	2,013.62	1,925.97	87.65	22.973		
8,900.00	7,239.14	6,885.00	6,630.10	62.54	34.44	70.76	1,053.87	410.98	2,059.46	1,970.48	88.98	23.145		
9,000.00	7,239.33	6,848.04	6,597.15	64.88	34.31	69.76	1,051.68	394.39	2,108.38	2,018.52	89.86	23.462		
9,100.00	7,239.52	6,829.28	6,580.04	67.27	34.25	69.24	1,050.19	386.85	2,160.52	2,069.71	90.82	23.790		
9,200.00	7,239.70	6,790.00	6,543.49	69.69	34.12	68.12	1,046.25	373.06	2,215.95	2,124.49	91.46	24.229		
9,300.00	7,239.89	6,790.00	6,543.49	72.15	34.12	68.12	1,046.25	373.06	2,273.67	2,181.25	92.42	24.602		
9,400.00	7,240.07	6,790.00	6,543.49	74.63	34.12	68.12	1,046.25	373.06	2,334.25	2,240.97	93.28	25.024		
9,500.00	7,240.26	6,790.00	6,543.49	77.14	34.12	68.12	1,046.25	373.06	2,397.47	2,303.42	94.05	25.490		
9,600.00	7,240.45	6,790.00	6,543.49	79.68	34.12	68.12	1,046.25	373.06	2,463.13	2,368.38	94.75	25.997		
9,700.00	7,240.63	6,790.00	6,543.49	82.23	34.12	68.12	1,046.25	373.06	2,531.04	2,435.67	95.36	26.541		
9,800.00	7,240.82	6,790.00	6,543.49	84.81	34.12	68.12	1,046.25	373.06	2,601.02	2,505.10	95.91	27.118		
9,900.00	7,241.01	6,790.00	6,543.49	87.40	34.12	68.12	1,046.25	373.06	2,672.91	2,576.51	96.40	27.727		
10,000.00	7,241.19	6,790.00	6,543.49	90.01	34.12	68.12	1,046.25	373.06	2,746.56	2,649.72	96.84	28.363		
10,100.00	7,241.38	6,790.00	6,543.49	92.64	34.12	68.12	1,046.25	373.06	2,821.83	2,724.61	97.22	29.025		
10,200.00	7,241.56	6,748.79	6,504.17	95.28	33.97	66.94	1,042.00	361.51	2,896.76	2,799.48	97.28	29.777		
10,300.00	7,241.75	6,745.05	6,500.55	97.93	33.96	66.83	1,041.66	360.61	2,974.55	2,876.99	97.57	30.487		
10,400.00	7,241.94	6,741.51	6,497.12	100.59	33.95	66.73	1,041.34	359.78	3,053.61	2,955.79	97.82	31.216		
10,500.00	7,242.12	6,738.15	6,493.87	103.26	33.94	66.63	1,041.05	359.02	3,133.85	3,035.80	98.05	31.963		
10,600.00	7,242.31	6,734.97	6,490.78	105.95	33.92	66.54	1,040.78	358.31	3,215.16	3,116.92	98.24	32.727		
10,700.00	7,242.50	6,695.00	6,451.61	108.64	33.78	65.40	1,037.85	351.00	3,298.97	3,200.79	98.18	33.601		
10,800.00	7,242.68	6,695.00	6,451.61	111.34	33.78	65.40	1,037.85	351.00	3,382.01	3,283.65	98.36	34.384		
10,900.00	7,242.87	6,695.00	6,451.61	114.05	33.78	65.40	1,037.85	351.00	3,465.95	3,367.43	98.52	35.180		
11,000.00	7,243.05	6,695.00	6,451.61	116.76	33.78	65.40	1,037.85	351.00	3,550.71	3,452.05	98.66	35.990		
11,100.00	7,243.24	6,695.00	6,451.61	119.49	33.78	65.40	1,037.85	351.00	3,636.25	3,537.47	98.78	36.811		
11,200.00	7,243.43	6,695.00	6,451.61	122.22	33.78	65.40	1,037.85	351.00	3,722.51	3,623.62	98.89	37.642		
11,300.00	7,243.61	6,695.00	6,451.61	124.95	33.78	65.40	1,037.85	351.00	3,809.44	3,710.46	98.99	38.484		
11,400.00	7,243.80	6,695.00	6,451.61	127.69	33.78	65.40	1,037.85	351.00	3,897.00	3,797.93	99.07	39.335		
11,500.00	7,243.99	6,695.00	6,451.61	130.44	33.78	65.40	1,037.85	351.00	3,985.15	3,886.00	99.15	40.194		
11,600.00	7,244.17	6,695.00	6,451.61	133.19	33.78	65.40	1,037.85	351.00	4,073.84	3,974.63	99.21	41.062		
11,700.00	7,244.36	6,695.00	6,451.61	135.94	33.78	65.40	1,037.85	351.00	4,163.05	4,063.78	99.27	41.937		
11,800.00	7,244.55	6,695.00	6,451.61	138.70	33.78	65.40	1,037.85	351.00	4,252.73	4,153.41	99.32	42.819		
11,900.00	7,244.73	6,695.00	6,451.61	141.47	33.78	65.40	1,037.85	351.00	4,342.87	4,243.51	99.36	43.707		
12,000.00	7,244.92	6,695.00	6,451.61	144.24	33.78	65.40	1,037.85	351.00	4,433.43	4,334.03	99.40	44.601		
12,100.00	7,245.10	6,695.00	6,451.61	147.01	33.78	65.40	1,037.85	351.00	4,524.38	4,424.95	99.43	45.501		
12,200.00	7,245.29	6,695.00	6,451.61	149.78	33.78	65.40	1,037.85	351.00	4,615.72	4,516.25	99.46	46.406		
12,300.00	7,245.48	6,695.00	6,451.61	152.56	33.78	65.40	1,037.85	351.00	4,707.40	4,607.91	99.49	47.315		
12,400.00	7,245.66	6,695.00	6,451.61	155.34	33.78	65.40	1,037.85	351.00	4,799.41	4,699.90	99.51	48.229		
12,500.00	7,245.85	6,695.00	6,451.61	158.12	33.78	65.40	1,037.85	351.00	4,891.74	4,792.21	99.53	49.148		
12,600.00	7,246.04	6,695.00	6,451.61	160.91	33.78	65.40	1,037.85	351.00	4,984.37	4,884.82	99.55	50.070		
12,700.00	7,246.22	6,695.00	6,451.61	163.70	33.78	65.40	1,037.85	351.00	5,077.27	4,977.71	99.56	50.995		
12,800.00	7,246.41	6,695.00	6,451.61	166.49	33.78	65.40	1,037.85	351.00	5,170.44	5,070.86	99.58	51.924		
12,900.00	7,246.59	6,695.00	6,451.61	169.28	33.78	65.40	1,037.85	351.00	5,263.86	5,164.27	99.59	52.856		
13,000.00	7,246.78	6,695.00	6,451.61	172.08	33.78	65.40	1,037.85	351.00	5,357.52	5,257.92	99.60	53.791		
13,100.00	7,246.97	6,695.00	6,451.61	174.88	33.78	65.40	1,037.85	351.00	5,451.40	5,351.79	99.61	54.728		
13,200.00	7,247.15	6,695.00	6,451.61	177.68	33.78	65.40	1,037.85	351.00	5,545.50	5,445.88	99.62	55.668		
13,300.00	7,247.34	6,695.00	6,451.61	180.48	33.78	65.40	1,037.85	351.00	5,639.80	5,540.17	99.63	56.610		
13,400.00	7,247.53	6,695.00	6,451.61	183.28	33.78	65.40	1,037.85	351.00	5,734.29	5,634.66	99.63	57.554		
13,500.00	7,247.71	6,695.00	6,451.61	186.09	33.78	65.40	1,037.85	351.00	5,828.97	5,729.33	99.64	58.500		
13,600.00	7,247.90	6,695.00	6,451.61	188.90	33.78	65.40	1,037.85	351.00	5,923.82	5,824.17	99.65	59.448		
13,700.00	7,248.08	6,695.00	6,451.61	191.70	33.78	65.40	1,037.85	351.00	6,018.84	5,919.19	99.65	60.398		
13,800.00	7,248.27	6,695.00	6,451.61	194.52	33.78	65.40	1,037.85	351.00	6,114.02	6,014.36	99.66	61.349		
13,900.00	7,248.46	6,695.00	6,451.61	197.33	33.78	65.40	1,037.85	351.00	6,209.35	6,109.68	99.67	62.301		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,695.00	6,451.61	200.14	33.78	65.40	1,037.85	351.00	6,304.82	6,205.15	99.67	63.255		
14,100.00	7,248.83	6,695.00	6,451.61	202.95	33.78	65.40	1,037.85	351.00	6,400.43	6,300.75	99.68	64.209		
14,200.00	7,249.02	6,695.00	6,451.61	205.77	33.78	65.40	1,037.85	351.00	6,496.17	6,396.49	99.69	65.165		
14,300.00	7,249.20	6,695.00	6,451.61	208.59	33.78	65.40	1,037.85	351.00	6,592.05	6,492.35	99.70	66.122		
14,400.00	7,249.39	6,695.00	6,451.61	211.41	33.78	65.40	1,037.85	351.00	6,688.04	6,588.33	99.70	67.079		
14,500.00	7,249.58	6,695.00	6,451.61	214.23	33.78	65.40	1,037.85	351.00	6,784.14	6,684.43	99.71	68.037		
14,600.00	7,249.76	6,695.00	6,451.61	217.05	33.78	65.40	1,037.85	351.00	6,880.36	6,780.64	99.72	68.996		
14,700.00	7,249.95	6,695.00	6,451.61	219.87	33.78	65.40	1,037.85	351.00	6,976.69	6,876.95	99.73	69.955		
14,800.00	7,250.13	6,695.00	6,451.61	222.69	33.78	65.40	1,037.85	351.00	7,073.11	6,973.37	99.74	70.914		
14,900.00	7,250.32	6,695.00	6,451.61	225.51	33.78	65.40	1,037.85	351.00	7,169.64	7,069.88	99.75	71.874		
15,000.00	7,250.51	6,695.00	6,451.61	228.34	33.78	65.40	1,037.85	351.00	7,266.26	7,166.49	99.76	72.834		
15,100.00	7,250.69	6,695.00	6,451.61	231.16	33.78	65.40	1,037.85	351.00	7,362.96	7,263.19	99.78	73.795		
15,200.00	7,250.88	6,695.00	6,451.61	233.99	33.78	65.40	1,037.85	351.00	7,459.76	7,359.97	99.79	74.755		
15,300.00	7,251.07	6,695.00	6,451.61	236.82	33.78	65.40	1,037.85	351.00	7,556.64	7,456.84	99.80	75.716		
15,400.00	7,251.25	6,695.00	6,451.61	239.65	33.78	65.40	1,037.85	351.00	7,653.60	7,553.78	99.82	76.676		
15,500.00	7,251.44	6,695.00	6,451.61	242.47	33.78	65.40	1,037.85	351.00	7,750.63	7,650.80	99.83	77.637		
15,600.00	7,251.62	6,695.00	6,451.61	245.30	33.78	65.40	1,037.85	351.00	7,847.75	7,747.90	99.85	78.597		
15,700.00	7,251.81	6,695.00	6,451.61	248.13	33.78	65.40	1,037.85	351.00	7,944.93	7,845.06	99.86	79.557		
15,800.00	7,252.00	6,695.00	6,451.61	250.97	33.78	65.40	1,037.85	351.00	8,042.18	7,942.30	99.88	80.517		
15,900.00	7,252.18	6,695.00	6,451.61	253.80	33.78	65.40	1,037.85	351.00	8,139.50	8,039.60	99.90	81.476		
16,000.00	7,252.37	6,695.00	6,451.61	256.63	33.78	65.40	1,037.85	351.00	8,236.88	8,136.96	99.92	82.435		
16,100.00	7,252.56	6,695.00	6,451.61	259.46	33.78	65.40	1,037.85	351.00	8,334.33	8,234.39	99.94	83.394		
16,200.00	7,252.74	6,695.00	6,451.61	262.30	33.78	65.40	1,037.85	351.00	8,431.83	8,331.87	99.96	84.353		
16,300.00	7,252.93	6,695.00	6,451.61	265.13	33.78	65.40	1,037.85	351.00	8,529.39	8,429.41	99.98	85.310		
16,400.00	7,253.11	6,695.00	6,451.61	267.96	33.78	65.40	1,037.85	351.00	8,627.01	8,527.01	100.00	86.268		
16,500.00	7,253.30	6,695.00	6,451.61	270.80	33.78	65.40	1,037.85	351.00	8,724.68	8,624.66	100.03	87.224		
16,600.00	7,253.49	6,695.00	6,451.61	273.64	33.78	65.40	1,037.85	351.00	8,822.41	8,722.36	100.05	88.180		
16,700.00	7,253.67	6,695.00	6,451.61	276.47	33.78	65.40	1,037.85	351.00	8,920.18	8,820.11	100.07	89.136		
16,800.00	7,253.86	6,695.00	6,451.61	279.31	33.78	65.40	1,037.85	351.00	9,018.00	8,917.90	100.10	90.090		
16,900.00	7,254.05	6,695.00	6,451.61	282.15	33.78	65.40	1,037.85	351.00	9,115.87	9,015.75	100.13	91.044		
17,000.00	7,254.23	6,695.00	6,451.61	284.98	33.78	65.40	1,037.85	351.00	9,213.79	9,113.64	100.15	91.997		
17,100.00	7,254.42	6,651.44	6,408.40	287.82	33.62	64.17	1,035.43	346.01	9,310.20	9,210.13	100.07	93.037		
17,200.00	7,254.61	6,650.91	6,407.88	290.66	33.62	64.15	1,035.40	345.97	9,408.17	9,308.07	100.10	93.990		
17,300.00	7,254.79	6,650.40	6,407.37	293.50	33.62	64.14	1,035.38	345.92	9,506.18	9,406.05	100.13	94.942		
17,400.00	7,254.98	6,649.90	6,406.87	296.34	33.61	64.12	1,035.35	345.88	9,604.23	9,504.08	100.16	95.893		
17,500.00	7,255.16	6,649.40	6,406.38	299.18	33.61	64.11	1,035.33	345.85	9,702.32	9,602.13	100.19	96.844		
17,600.00	7,255.35	6,648.92	6,405.90	302.02	33.61	64.10	1,035.31	345.81	9,800.45	9,700.23	100.22	97.793		
17,700.00	7,255.54	6,648.44	6,405.42	304.86	33.61	64.08	1,035.28	345.77	9,898.61	9,798.36	100.25	98.741		
17,800.00	7,255.72	6,647.98	6,404.96	307.70	33.61	64.07	1,035.26	345.73	9,996.81	9,896.53	100.28	99.688		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	139.94	-602.55	506.71	787.36					
100.00	100.00	96.92	96.92	3.28	3.29	139.93	-602.10	506.49	786.84	780.27	6.57	119.724		
200.00	200.00	205.80	205.79	3.34	3.31	139.90	-600.50	505.73	785.27	778.62	6.65	118.086		
300.00	300.00	314.62	314.56	3.44	3.35	139.84	-597.75	504.43	782.56	775.76	6.80	115.062		
400.00	399.98	423.27	423.13	3.60	3.41	23.86	-593.85	502.59	777.14	770.12	7.02	110.743		
500.00	499.84	545.78	545.39	3.79	3.59	23.94	-586.73	500.04	766.60	759.19	7.41	103.472		
600.00	599.45	661.73	660.77	4.03	3.83	23.94	-575.46	498.17	750.22	742.32	7.90	94.942		
700.00	698.70	781.31	779.22	4.30	4.14	23.82	-559.13	497.12	728.23	719.74	8.50	85.700		
800.00	797.47	903.93	899.80	4.61	4.51	23.56	-536.97	495.89	699.79	690.61	9.18	76.216		
900.00	895.62	1,025.53	1,018.23	4.96	4.92	23.22	-509.53	493.43	664.36	654.43	9.93	66.924		
939.50	934.20	1,066.92	1,058.34	5.10	5.06	23.14	-499.39	492.11	648.75	638.54	10.20	63.585		
1,000.00	993.20	1,124.20	1,113.77	5.33	5.28	22.85	-485.16	489.89	624.09	613.50	10.59	58.929		
1,100.00	1,090.72	1,218.20	1,204.85	5.73	5.65	22.38	-462.26	485.82	583.45	572.19	11.26	51.820		
1,200.00	1,188.24	1,325.57	1,308.50	6.15	6.10	21.83	-435.02	479.37	541.10	529.10	12.00	45.083		
1,300.00	1,285.76	1,422.50	1,401.22	6.59	6.53	21.04	-407.56	472.83	496.25	483.53	12.73	38.994		
1,400.00	1,383.28	1,514.43	1,488.74	7.04	6.96	19.84	-379.87	467.83	451.15	437.69	13.46	33.525		
1,500.00	1,480.80	1,599.11	1,569.14	7.50	7.36	18.42	-353.71	463.21	405.71	391.51	14.20	28.570		
1,600.00	1,578.31	1,678.74	1,645.23	7.96	7.74	16.78	-330.39	460.32	362.75	347.77	14.97	24.227		
1,700.00	1,675.83	1,766.07	1,729.12	8.44	8.15	14.70	-306.28	457.75	321.69	305.92	15.77	20.397		
1,800.00	1,773.35	1,856.14	1,816.11	8.92	8.58	12.41	-283.20	454.10	281.52	264.93	16.59	16.972		
1,900.00	1,870.87	1,948.74	1,905.61	9.40	9.02	9.45	-259.83	449.77	241.61	224.20	17.41	13.876		
2,000.00	1,968.39	2,041.43	1,994.82	9.89	9.47	4.98	-235.08	445.35	201.63	183.37	18.26	11.040		
2,100.00	2,065.91	2,131.70	2,081.41	10.39	9.92	-1.76	-209.94	440.99	162.64	143.44	19.20	8.471		
2,200.00	2,163.43	2,219.81	2,165.95	10.88	10.36	-12.01	-185.38	437.51	127.61	107.31	20.30	6.287		
2,300.00	2,260.95	2,309.67	2,251.73	11.38	10.82	-29.24	-158.78	434.68	100.20	78.58	21.62	4.634		
2,400.00	2,358.46	2,400.65	2,338.52	11.89	11.28	-53.80	-131.71	431.39	87.70	64.71	22.99	3.815		
2,412.28	2,370.44	2,411.45	2,348.87	11.95	11.34	-56.91	-128.61	430.96	87.52	64.40	23.12	3.786 CC, ES, SF		
2,500.00	2,455.98	2,489.29	2,423.33	12.39	11.74	-78.19	-106.09	428.26	96.05	72.32	23.73	4.047		
2,600.00	2,553.50	2,582.39	2,512.66	12.89	12.21	-97.15	-80.08	425.10	120.14	95.86	24.28	4.948		
2,700.00	2,651.02	2,670.76	2,597.64	13.40	12.66	-108.64	-55.98	422.75	152.30	127.54	24.76	6.151		
2,800.00	2,748.54	2,759.24	2,682.45	13.91	13.11	-115.95	-30.79	421.25	189.56	164.19	25.37	7.471		
2,900.00	2,846.06	2,845.28	2,764.55	14.42	13.56	-120.79	-5.10	419.69	230.09	204.08	26.00	8.849		
3,000.00	2,943.58	2,934.05	2,848.92	14.93	14.02	-124.19	22.48	418.55	272.72	245.94	26.77	10.186		
3,100.00	3,041.10	3,026.36	2,936.79	15.45	14.51	-126.90	50.73	416.84	315.64	287.98	27.66	11.411		
3,200.00	3,138.61	3,128.39	3,034.55	15.96	15.04	-129.27	79.81	414.77	357.17	328.41	28.76	12.421		
3,300.00	3,236.13	3,213.88	3,116.87	16.47	15.47	-130.89	102.82	413.08	397.55	368.06	29.49	13.481		
3,400.00	3,333.65	3,297.26	3,196.69	16.99	15.91	-132.14	126.84	411.32	439.89	409.69	30.20	14.565		
3,500.00	3,431.17	3,400.77	3,295.82	17.50	16.44	-133.47	156.52	408.77	482.49	451.18	31.31	15.409		
3,600.00	3,528.69	3,493.64	3,385.51	18.02	16.92	-134.63	180.42	405.91	522.74	490.54	32.20	16.233		
3,700.00	3,626.21	3,572.45	3,461.48	18.54	17.32	-135.62	201.04	402.10	564.16	531.31	32.85	17.173		
3,800.00	3,723.73	3,660.01	3,545.44	19.06	17.78	-136.60	225.36	397.03	607.43	573.77	33.66	18.044		
3,900.00	3,821.25	3,759.68	3,641.26	19.57	18.30	-137.53	252.29	391.84	650.00	615.31	34.69	18.740		
4,000.00	3,918.77	3,846.11	3,724.52	20.09	18.75	-138.20	275.18	388.12	691.87	656.38	35.49	19.496		
4,100.00	4,016.28	3,916.79	3,792.23	20.61	19.12	-138.61	295.26	385.39	735.34	699.30	36.04	20.405		
4,200.00	4,113.80	3,976.00	3,848.27	21.13	19.44	-138.85	314.24	383.19	781.87	745.49	36.38	21.493		
4,300.00	4,211.32	4,045.52	3,913.33	21.65	19.83	-139.04	338.58	380.38	831.03	794.11	36.92	22.510		
4,400.00	4,308.84	4,127.90	3,989.87	22.17	20.31	-139.23	368.79	376.50	881.78	844.07	37.71	23.381		
4,500.00	4,406.36	4,225.30	4,080.72	22.69	20.86	-139.51	403.52	371.26	931.99	893.20	38.79	24.028		
4,600.00	4,503.88	4,392.90	4,239.81	23.21	21.78	-140.13	455.31	362.71	978.27	937.34	40.93	23.903		
4,700.00	4,601.40	4,497.58	4,340.97	23.73	22.32	-140.59	481.83	358.06	1,019.38	977.39	41.99	24.274		
4,800.00	4,698.92	4,584.63	4,425.05	24.26	22.76	-140.93	504.04	354.36	1,060.70	1,017.88	42.82	24.770		
4,900.00	4,796.43	4,670.83	4,508.22	24.78	23.21	-141.21	526.48	351.05	1,102.30	1,058.65	43.64	25.257		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,769.81	4,603.49	25.30	23.72	-141.43	553.20	348.46	1,144.24	1,099.61	44.64	25.634		
5,100.00	4,991.47	4,866.93	4,697.46	25.82	24.22	-141.71	577.50	345.24	1,184.79	1,139.19	45.60	25.983		
5,200.00	5,088.99	4,948.15	4,775.91	26.34	24.63	-141.92	598.33	342.39	1,225.98	1,179.62	46.36	26.445		
5,300.00	5,186.51	5,034.75	4,859.44	26.87	25.08	-142.13	620.96	339.05	1,267.74	1,220.55	47.19	26.864		
5,400.00	5,284.03	5,121.41	4,943.02	27.39	25.53	-142.35	643.53	335.42	1,309.59	1,261.57	48.02	27.270		
5,500.00	5,381.55	5,200.10	5,018.65	27.91	25.94	-142.49	665.07	332.60	1,352.27	1,303.52	48.76	27.734		
5,600.00	5,479.07	5,481.50	5,293.15	28.43	27.31	-143.14	725.24	326.75	1,390.32	1,338.71	51.61	26.941		
5,700.00	5,576.58	5,643.92	5,454.41	28.96	27.99	-143.73	744.34	324.92	1,419.36	1,366.44	52.92	26.823		
5,800.00	5,674.10	5,783.87	5,594.03	29.48	28.55	-144.29	753.75	324.97	1,443.01	1,389.03	53.99	26.729		
5,900.00	5,771.62	5,871.53	5,681.56	30.00	28.89	-144.66	758.52	324.70	1,466.03	1,411.23	54.80	26.753		
6,000.00	5,869.14	5,953.12	5,762.99	30.53	29.21	-145.02	763.68	323.60	1,490.30	1,434.72	55.58	26.815		
6,100.00	5,966.66	6,090.52	5,900.19	31.05	29.74	-145.62	770.69	321.80	1,513.66	1,457.04	56.62	26.732		
6,200.00	6,064.18	6,204.94	6,014.54	31.58	30.18	-146.08	774.66	321.97	1,534.97	1,477.43	57.54	26.675		
6,300.00	6,161.70	6,327.36	6,136.94	32.10	30.63	-146.63	776.74	321.43	1,555.20	1,496.72	58.48	26.595		
6,400.00	6,259.22	6,432.55	6,242.13	32.62	31.01	-147.11	777.12	320.89	1,574.44	1,515.10	59.34	26.533		
6,500.00	6,356.74	7,857.15	7,139.81	33.15	38.42	-122.75	790.59	1,145.07	1,576.24	1,517.41	58.83	26.793		
6,600.00	6,454.25	7,873.62	7,139.91	33.67	38.66	-122.11	790.87	1,161.55	1,538.44	1,476.81	61.62	24.966		
6,623.48	6,477.15	7,878.44	7,139.94	33.80	38.73	-121.92	790.96	1,166.36	1,530.34	1,468.05	62.29	24.569		
6,650.00	6,503.12	7,883.31	7,139.97	33.93	38.80	-126.48	791.05	1,171.23	1,521.51	1,458.48	63.02	24.142		
6,700.00	6,552.50	7,889.47	7,140.00	34.16	38.90	-143.64	791.16	1,177.39	1,505.75	1,441.41	64.34	23.403		
6,750.00	6,602.21	7,891.67	7,140.01	34.36	38.93	-179.77	791.20	1,179.59	1,491.29	1,425.75	65.54	22.752		
6,800.00	6,651.92	7,889.95	7,140.00	34.54	38.90	141.98	791.17	1,177.87	1,478.30	1,411.67	66.63	22.186		
6,850.00	6,701.33	7,884.34	7,139.97	34.70	38.82	123.17	791.07	1,172.26	1,466.86	1,399.26	67.60	21.699		
6,900.00	6,750.14	7,874.92	7,139.92	34.86	38.68	114.22	790.90	1,162.84	1,457.05	1,388.60	68.45	21.286		
6,950.00	6,798.04	7,867.00	7,139.87	35.02	38.56	109.38	790.76	1,154.92	1,448.90	1,379.63	69.27	20.917		
7,000.00	6,844.75	7,850.58	7,139.78	35.19	38.33	106.07	790.50	1,138.50	1,442.39	1,372.48	69.90	20.634		
7,050.00	6,889.97	7,835.27	7,139.72	35.37	38.12	103.73	790.31	1,123.19	1,437.52	1,367.02	70.50	20.392		
7,100.00	6,933.42	7,817.27	7,139.69	35.57	37.87	101.82	790.16	1,105.19	1,434.20	1,363.22	70.99	20.204		
7,150.00	6,974.83	7,796.67	7,139.70	35.79	37.59	100.13	790.08	1,084.59	1,432.35	1,360.97	71.38	20.066		
7,191.56	7,007.52	7,782.16	7,139.71	35.98	37.39	98.96	790.06	1,070.08	1,431.83	1,360.12	71.71	19.967		
7,200.00	7,013.96	7,774.15	7,139.76	36.02	37.29	98.58	790.10	1,062.08	1,431.84	1,360.13	71.70	19.970		
7,250.00	7,050.56	7,725.28	7,139.56	36.28	36.69	96.40	790.07	1,013.21	1,432.24	1,360.63	71.61	20.000		
7,300.00	7,084.39	7,694.88	7,138.80	36.57	36.35	94.90	789.97	982.82	1,433.30	1,361.49	71.81	19.960		
7,350.00	7,115.27	7,666.31	7,137.25	36.89	36.04	93.53	790.08	954.30	1,435.20	1,363.17	72.03	19.925		
7,400.00	7,142.99	7,637.28	7,134.82	37.25	35.74	92.22	790.40	925.36	1,437.84	1,365.60	72.24	19.903		
7,450.00	7,167.38	7,590.56	7,128.79	37.65	35.31	90.55	791.05	879.05	1,440.95	1,368.69	72.25	19.943		
7,500.00	7,188.30	7,536.20	7,117.52	38.08	34.86	88.77	791.22	825.89	1,443.88	1,371.69	72.19	20.000		
7,550.00	7,205.61	7,510.42	7,110.57	38.55	34.69	87.72	791.19	801.07	1,446.91	1,374.35	72.56	19.942		
7,600.00	7,219.20	7,487.55	7,103.51	39.06	34.56	86.78	791.42	779.32	1,450.45	1,377.47	72.98	19.875		
7,650.00	7,229.00	7,464.66	7,095.63	39.61	34.43	85.86	791.87	757.84	1,454.42	1,381.00	73.42	19.810		
7,700.00	7,234.95	7,448.82	7,089.70	40.18	34.35	85.12	792.27	743.15	1,458.73	1,384.79	73.94	19.728		
7,750.07	7,237.00	7,392.91	7,065.88	40.78	34.13	83.71	794.05	692.62	1,463.06	1,388.95	74.10	19.744		
7,800.00	7,237.09	7,340.14	7,039.68	41.41	33.96	82.68	794.79	646.83	1,467.05	1,392.75	74.30	19.744		
7,900.00	7,237.28	7,249.00	6,985.23	42.79	33.71	80.56	793.34	573.90	1,475.72	1,400.74	74.99	19.680		
8,000.00	7,237.47	7,199.52	6,951.33	44.31	33.57	79.25	791.71	537.91	1,487.63	1,411.44	76.19	19.525		
8,100.00	7,237.65	7,154.00	6,918.13	45.97	33.45	77.97	790.51	506.79	1,504.14	1,426.70	77.44	19.424		
8,200.00	7,237.84	7,116.05	6,889.02	47.75	33.34	76.86	789.52	482.46	1,525.20	1,446.43	78.77	19.363		
8,300.00	7,238.02	7,077.70	6,858.31	49.63	33.23	75.70	788.31	459.56	1,550.79	1,470.75	80.04	19.376		
8,400.00	7,238.21	7,041.98	6,828.62	51.61	33.13	74.58	786.98	439.73	1,580.99	1,499.72	81.26	19.455		
8,500.00	7,238.40	7,008.05	6,799.69	53.66	33.02	73.50	785.51	422.07	1,615.64	1,533.22	82.42	19.603		
8,600.00	7,238.58	6,966.00	6,762.94	55.79	32.89	72.14	783.42	401.75	1,654.71	1,571.34	83.37	19.847		
8,700.00	7,238.77	6,966.00	6,762.94	57.99	32.89	72.14	783.42	401.75	1,697.96	1,613.28	84.68	20.051		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,966.00	6,762.94	60.24	32.89	72.14	783.42	401.75	1,745.88	1,660.02	85.85	20.336		
8,900.00	7,239.14	6,927.42	6,728.28	62.54	32.77	70.87	781.57	384.92	1,796.81	1,710.28	86.53	20.765		
9,000.00	7,239.33	6,914.67	6,716.61	64.88	32.72	70.45	781.05	379.81	1,851.94	1,764.58	87.35	21.201		
9,100.00	7,239.52	6,902.98	6,705.82	67.27	32.69	70.06	780.61	375.32	1,910.46	1,822.38	88.08	21.690		
9,200.00	7,239.70	6,872.00	6,676.86	69.69	32.58	69.03	779.65	364.37	1,972.47	1,883.93	88.54	22.279		
9,300.00	7,239.89	6,872.00	6,676.86	72.15	32.58	69.03	779.65	364.37	2,036.71	1,947.53	89.18	22.837		
9,400.00	7,240.07	6,872.00	6,676.86	74.63	32.58	69.03	779.65	364.37	2,103.75	2,014.01	89.74	23.443		
9,500.00	7,240.26	6,872.00	6,676.86	77.14	32.58	69.03	779.65	364.37	2,173.32	2,083.10	90.22	24.090		
9,600.00	7,240.45	6,872.00	6,676.86	79.68	32.58	69.03	779.65	364.37	2,245.19	2,154.57	90.62	24.776		
9,700.00	7,240.63	6,872.00	6,676.86	82.23	32.58	69.03	779.65	364.37	2,319.15	2,228.19	90.96	25.496		
9,800.00	7,240.82	6,872.00	6,676.86	84.81	32.58	69.03	779.65	364.37	2,395.00	2,303.75	91.25	26.247		
9,900.00	7,241.01	6,834.36	6,641.05	87.40	32.45	67.78	778.89	352.81	2,471.34	2,380.05	91.30	27.070		
10,000.00	7,241.19	6,827.97	6,634.92	90.01	32.43	67.57	778.81	351.03	2,550.02	2,458.55	91.48	27.876		
10,100.00	7,241.38	6,821.96	6,629.13	92.64	32.41	67.37	778.75	349.41	2,630.09	2,538.46	91.63	28.703		
10,200.00	7,241.56	6,816.29	6,623.66	95.28	32.39	67.19	778.70	347.92	2,711.42	2,619.66	91.76	29.550		
10,300.00	7,241.75	6,777.00	6,585.45	97.93	32.25	65.90	778.67	338.79	2,794.90	2,703.20	91.70	30.479		
10,400.00	7,241.94	6,777.00	6,585.45	100.59	32.25	65.90	778.67	338.79	2,878.19	2,786.37	91.82	31.347		
10,500.00	7,242.12	6,777.00	6,585.45	103.26	32.25	65.90	778.67	338.79	2,962.51	2,870.59	91.91	32.231		
10,600.00	7,242.31	6,777.00	6,585.45	105.95	32.25	65.90	778.67	338.79	3,047.78	2,955.78	91.99	33.131		
10,700.00	7,242.50	6,777.00	6,585.45	108.64	32.25	65.90	778.67	338.79	3,133.91	3,041.86	92.06	34.044		
10,800.00	7,242.68	6,777.00	6,585.45	111.34	32.25	65.90	778.67	338.79	3,220.85	3,128.75	92.10	34.970		
10,900.00	7,242.87	6,777.00	6,585.45	114.05	32.25	65.90	778.67	338.79	3,308.53	3,216.39	92.14	35.907		
11,000.00	7,243.05	6,777.00	6,585.45	116.76	32.25	65.90	778.67	338.79	3,396.89	3,304.72	92.17	36.855		
11,100.00	7,243.24	6,777.00	6,585.45	119.49	32.25	65.90	778.67	338.79	3,485.88	3,393.69	92.19	37.812		
11,200.00	7,243.43	6,777.00	6,585.45	122.22	32.25	65.90	778.67	338.79	3,575.45	3,483.25	92.20	38.779		
11,300.00	7,243.61	6,777.00	6,585.45	124.95	32.25	65.90	778.67	338.79	3,665.56	3,573.35	92.21	39.753		
11,400.00	7,243.80	6,777.00	6,585.45	127.69	32.25	65.90	778.67	338.79	3,756.17	3,663.96	92.21	40.735		
11,500.00	7,243.99	6,777.00	6,585.45	130.44	32.25	65.90	778.67	338.79	3,847.24	3,755.04	92.21	41.724		
11,600.00	7,244.17	6,777.00	6,585.45	133.19	32.25	65.90	778.67	338.79	3,938.75	3,846.55	92.20	42.719		
11,700.00	7,244.36	6,777.00	6,585.45	135.94	32.25	65.90	778.67	338.79	4,030.66	3,938.47	92.19	43.720		
11,800.00	7,244.55	6,777.00	6,585.45	138.70	32.25	65.90	778.67	338.79	4,122.95	4,030.77	92.18	44.727		
11,900.00	7,244.73	6,777.00	6,585.45	141.47	32.25	65.90	778.67	338.79	4,215.59	4,123.42	92.17	45.738		
12,000.00	7,244.92	6,777.00	6,585.45	144.24	32.25	65.90	778.67	338.79	4,308.56	4,216.41	92.15	46.754		
12,100.00	7,245.10	6,777.00	6,585.45	147.01	32.25	65.90	778.67	338.79	4,401.84	4,309.70	92.14	47.774		
12,200.00	7,245.29	6,777.00	6,585.45	149.78	32.25	65.90	778.67	338.79	4,495.41	4,403.28	92.12	48.797		
12,300.00	7,245.48	6,777.00	6,585.45	152.56	32.25	65.90	778.67	338.79	4,589.24	4,497.14	92.11	49.825		
12,400.00	7,245.66	6,777.00	6,585.45	155.34	32.25	65.90	778.67	338.79	4,683.34	4,591.24	92.09	50.855		
12,500.00	7,245.85	6,737.28	6,546.38	158.12	32.11	64.61	778.80	331.69	4,776.48	4,684.46	92.01	51.911		
12,600.00	7,246.04	6,735.26	6,544.38	160.91	32.11	64.55	778.80	331.39	4,870.91	4,778.92	92.00	52.947		
12,700.00	7,246.22	6,733.31	6,542.45	163.70	32.10	64.48	778.80	331.11	4,965.56	4,873.58	91.98	53.986		
12,800.00	7,246.41	6,731.43	6,540.59	166.49	32.09	64.42	778.80	330.83	5,060.40	4,968.44	91.96	55.027		
12,900.00	7,246.59	6,729.62	6,538.80	169.28	32.09	64.37	778.79	330.58	5,155.44	5,063.49	91.95	56.069		
13,000.00	7,246.78	6,727.88	6,537.07	172.08	32.08	64.31	778.79	330.34	5,250.66	5,158.72	91.93	57.114		
13,100.00	7,246.97	6,726.19	6,535.40	174.88	32.07	64.26	778.79	330.11	5,346.05	5,254.13	91.92	58.160		
13,200.00	7,247.15	6,724.56	6,533.79	177.68	32.07	64.20	778.79	329.89	5,441.59	5,349.69	91.91	59.207		
13,300.00	7,247.34	6,722.99	6,532.23	180.48	32.06	64.15	778.79	329.68	5,537.30	5,445.40	91.90	60.256		
13,400.00	7,247.53	6,682.00	6,491.46	183.28	31.92	62.84	778.59	325.49	5,634.32	5,542.50	91.81	61.367		
13,500.00	7,247.71	6,682.00	6,491.46	186.09	31.92	62.84	778.59	325.49	5,730.22	5,638.41	91.81	62.415		
13,600.00	7,247.90	6,682.00	6,491.46	188.90	31.92	62.84	778.59	325.49	5,826.25	5,734.45	91.80	63.464		
13,700.00	7,248.08	6,682.00	6,491.46	191.70	31.92	62.84	778.59	325.49	5,922.42	5,830.62	91.80	64.514		
13,800.00	7,248.27	6,682.00	6,491.46	194.52	31.92	62.84	778.59	325.49	6,018.72	5,926.92	91.80	65.565		
13,900.00	7,248.46	6,682.00	6,491.46	197.33	31.92	62.84	778.59	325.49	6,115.13	6,023.33	91.80	66.616		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,682.00	6,491.46	200.14	31.92	62.84	778.59	325.49	6,211.66	6,119.86	91.80	67.668		
14,100.00	7,248.83	6,682.00	6,491.46	202.95	31.92	62.84	778.59	325.49	6,308.29	6,216.49	91.80	68.720		
14,200.00	7,249.02	6,682.00	6,491.46	205.77	31.92	62.84	778.59	325.49	6,405.03	6,313.23	91.80	69.773		
14,300.00	7,249.20	6,682.00	6,491.46	208.59	31.92	62.84	778.59	325.49	6,501.86	6,410.06	91.80	70.825		
14,400.00	7,249.39	6,682.00	6,491.46	211.41	31.92	62.84	778.59	325.49	6,598.80	6,506.99	91.80	71.878		
14,500.00	7,249.58	6,682.00	6,491.46	214.23	31.92	62.84	778.59	325.49	6,695.82	6,604.01	91.81	72.931		
14,600.00	7,249.76	6,682.00	6,491.46	217.05	31.92	62.84	778.59	325.49	6,792.92	6,701.11	91.82	73.984		
14,700.00	7,249.95	6,682.00	6,491.46	219.87	31.92	62.84	778.59	325.49	6,890.11	6,798.29	91.82	75.037		
14,800.00	7,250.13	6,682.00	6,491.46	222.69	31.92	62.84	778.59	325.49	6,987.38	6,895.55	91.83	76.090		
14,900.00	7,250.32	6,682.00	6,491.46	225.51	31.92	62.84	778.59	325.49	7,084.73	6,992.89	91.84	77.142		
15,000.00	7,250.51	6,682.00	6,491.46	228.34	31.92	62.84	778.59	325.49	7,182.15	7,090.30	91.85	78.194		
15,100.00	7,250.69	6,682.00	6,491.46	231.16	31.92	62.84	778.59	325.49	7,279.64	7,187.78	91.86	79.246		
15,200.00	7,250.88	6,682.00	6,491.46	233.99	31.92	62.84	778.59	325.49	7,377.19	7,285.32	91.87	80.297		
15,300.00	7,251.07	6,682.00	6,491.46	236.82	31.92	62.84	778.59	325.49	7,474.81	7,382.93	91.89	81.347		
15,400.00	7,251.25	6,682.00	6,491.46	239.65	31.92	62.84	778.59	325.49	7,572.50	7,480.59	91.90	82.397		
15,500.00	7,251.44	6,682.00	6,491.46	242.47	31.92	62.84	778.59	325.49	7,670.24	7,578.32	91.92	83.447		
15,600.00	7,251.62	6,682.00	6,491.46	245.30	31.92	62.84	778.59	325.49	7,768.04	7,676.10	91.93	84.495		
15,700.00	7,251.81	6,682.00	6,491.46	248.13	31.92	62.84	778.59	325.49	7,865.89	7,773.94	91.95	85.543		
15,800.00	7,252.00	6,682.00	6,491.46	250.97	31.92	62.84	778.59	325.49	7,963.80	7,871.83	91.97	86.590		
15,900.00	7,252.18	6,682.00	6,491.46	253.80	31.92	62.84	778.59	325.49	8,061.76	7,969.77	91.99	87.636		
16,000.00	7,252.37	6,682.00	6,491.46	256.63	31.92	62.84	778.59	325.49	8,159.77	8,067.76	92.01	88.681		
16,100.00	7,252.56	6,682.00	6,491.46	259.46	31.92	62.84	778.59	325.49	8,257.83	8,165.79	92.03	89.725		
16,200.00	7,252.74	6,682.00	6,491.46	262.30	31.92	62.84	778.59	325.49	8,355.93	8,263.87	92.06	90.768		
16,300.00	7,252.93	6,682.00	6,491.46	265.13	31.92	62.84	778.59	325.49	8,454.08	8,361.99	92.08	91.810		
16,400.00	7,253.11	6,682.00	6,491.46	267.96	31.92	62.84	778.59	325.49	8,552.27	8,460.16	92.11	92.851		
16,500.00	7,253.30	6,682.00	6,491.46	270.80	31.92	62.84	778.59	325.49	8,650.50	8,558.37	92.13	93.891		
16,600.00	7,253.49	6,682.00	6,491.46	273.64	31.92	62.84	778.59	325.49	8,748.77	8,656.61	92.16	94.930		
16,700.00	7,253.67	6,682.00	6,491.46	276.47	31.92	62.84	778.59	325.49	8,847.08	8,754.89	92.19	95.967		
16,800.00	7,253.86	6,682.00	6,491.46	279.31	31.92	62.84	778.59	325.49	8,945.43	8,853.21	92.22	97.003		
16,900.00	7,254.05	6,682.00	6,491.46	282.15	31.92	62.84	778.59	325.49	9,043.81	8,951.56	92.25	98.038		
17,000.00	7,254.23	6,682.00	6,491.46	284.98	31.92	62.84	778.59	325.49	9,142.23	9,049.95	92.28	99.071		
17,100.00	7,254.42	6,682.00	6,491.46	287.82	31.92	62.84	778.59	325.49	9,240.69	9,148.37	92.31	100.103		
17,200.00	7,254.61	6,682.00	6,491.46	290.66	31.92	62.84	778.59	325.49	9,339.17	9,246.83	92.34	101.134		
17,300.00	7,254.79	6,682.00	6,491.46	293.50	31.92	62.84	778.59	325.49	9,437.69	9,345.31	92.38	102.163		
17,400.00	7,254.98	6,682.00	6,491.46	296.34	31.92	62.84	778.59	325.49	9,536.24	9,443.82	92.41	103.191		
17,500.00	7,255.16	6,682.00	6,491.46	299.18	31.92	62.84	778.59	325.49	9,634.82	9,542.37	92.45	104.217		
17,600.00	7,255.35	6,682.00	6,491.46	302.02	31.92	62.84	778.59	325.49	9,733.42	9,640.94	92.49	105.241		
17,700.00	7,255.54	6,682.00	6,491.46	304.86	31.92	62.84	778.59	325.49	9,832.06	9,739.54	92.52	106.264		
17,800.00	7,255.72	6,682.00	6,491.46	307.70	31.92	62.84	778.59	325.49	9,930.72	9,838.16	92.56	107.286		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	145.76	-742.81	505.60	898.62					
100.00	100.00	89.41	89.41	3.28	3.29	145.77	-742.94	505.38	898.53	891.96	6.57	136.751		
200.00	200.00	190.20	190.20	3.34	3.31	145.83	-743.36	504.62	898.46	891.81	6.65	135.092		
277.50	277.50	269.13	269.12	3.42	3.38	145.88	-743.70	503.82	898.29	891.49	6.80	132.171		
300.00	300.00	281.85	281.84	3.44	3.39	145.89	-743.86	503.74	898.40	891.56	6.84	131.354		
400.00	399.98	353.00	352.96	3.60	3.49	29.99	-745.92	503.82	899.34	892.24	7.10	126.721		
500.00	499.84	431.63	431.44	3.79	3.62	30.27	-750.64	504.18	900.05	892.61	7.44	121.034		
600.00	599.45	507.03	506.54	4.03	3.77	30.70	-757.36	504.51	900.24	892.39	7.84	114.765		
700.00	698.70	586.27	585.25	4.30	3.96	31.26	-766.33	505.76	900.14	891.82	8.32	108.228		
800.00	797.47	666.51	664.75	4.61	4.18	31.98	-777.15	507.15	899.19	890.35	8.85	101.656		
900.00	895.62	742.68	739.88	4.96	4.41	32.84	-789.61	508.28	897.87	888.45	9.41	95.366		
939.50	934.20	771.80	768.49	5.10	4.50	33.23	-795.05	508.57	897.33	887.68	9.65	92.983		
980.82	974.49	802.11	798.17	5.26	4.60	33.65	-801.15	508.76	897.06	887.16	9.90	90.612 CC		
1,000.00	993.20	816.13	811.88	5.33	4.65	33.85	-804.12	508.81	897.12	887.10	10.02	89.539 ES		
1,100.00	1,090.72	897.23	890.82	5.73	4.94	35.09	-822.69	508.50	898.94	888.26	10.67	84.211		
1,200.00	1,188.24	975.02	966.00	6.15	5.25	36.40	-842.63	507.07	903.25	891.90	11.35	79.577		
1,300.00	1,285.76	1,057.62	1,045.13	6.59	5.59	37.90	-866.10	504.32	910.28	898.21	12.07	75.439		
1,400.00	1,383.28	1,146.44	1,130.00	7.04	5.99	39.51	-892.18	501.48	919.12	906.29	12.83	71.658		
1,500.00	1,480.80	1,239.50	1,218.70	7.50	6.42	41.20	-920.11	498.19	929.37	915.74	13.63	68.208		
1,600.00	1,578.31	1,331.46	1,306.42	7.96	6.86	42.80	-947.60	495.42	940.54	926.10	14.44	65.141		
1,700.00	1,675.83	1,421.33	1,391.84	8.44	7.30	44.38	-975.32	492.18	953.29	938.03	15.26	62.476		
1,800.00	1,773.35	1,518.38	1,483.79	8.92	7.80	46.18	-1,005.80	486.42	966.89	950.76	16.13	59.937		
1,900.00	1,870.87	1,616.79	1,576.93	9.40	8.31	48.03	-1,036.78	479.24	981.24	964.21	17.03	57.623		
2,000.00	1,968.39	1,717.51	1,672.56	9.89	8.84	49.82	-1,067.66	472.49	995.87	977.92	17.95	55.478		
2,100.00	2,065.91	1,819.70	1,769.72	10.39	9.37	51.56	-1,098.69	466.26	1,011.23	992.34	18.89	53.528		
2,200.00	2,163.43	1,937.14	1,882.27	10.88	9.99	53.40	-1,131.65	460.16	1,025.15	1,005.22	19.93	51.430		
2,300.00	2,260.95	2,042.66	1,983.81	11.38	10.54	54.98	-1,159.91	455.18	1,038.67	1,017.76	20.91	49.683		
2,400.00	2,358.46	2,152.40	2,089.79	11.89	11.10	56.54	-1,188.04	450.47	1,051.72	1,029.82	21.91	48.004		
2,500.00	2,455.98	2,246.72	2,181.00	12.39	11.59	57.86	-1,211.66	446.12	1,064.80	1,041.98	22.82	46.655		
2,600.00	2,553.50	2,322.14	2,253.75	12.89	11.99	58.88	-1,231.27	443.03	1,079.45	1,055.83	23.62	45.704		
2,700.00	2,651.02	2,442.98	2,370.28	13.40	12.62	60.43	-1,262.98	438.79	1,095.00	1,070.28	24.72	44.298		
2,800.00	2,748.54	2,527.49	2,451.98	13.91	13.06	61.47	-1,284.40	436.10	1,110.04	1,084.46	25.58	43.396		
2,900.00	2,846.06	2,614.43	2,535.87	14.42	13.52	62.48	-1,307.11	434.04	1,126.34	1,099.88	26.46	42.573		
3,000.00	2,943.58	2,692.03	2,610.52	14.93	13.93	63.34	-1,328.27	432.57	1,144.18	1,116.91	27.27	41.962		
3,100.00	3,041.10	2,797.74	2,711.95	15.45	14.50	64.53	-1,357.89	429.58	1,163.26	1,134.96	28.29	41.113		
3,200.00	3,138.61	2,880.24	2,791.21	15.96	14.95	65.45	-1,380.56	426.63	1,182.25	1,153.10	29.14	40.566		
3,300.00	3,236.13	2,963.28	2,870.65	16.47	15.41	66.40	-1,404.47	422.85	1,202.99	1,172.99	30.00	40.101		
3,400.00	3,333.65	3,081.70	2,983.96	16.99	16.06	67.68	-1,438.48	417.71	1,224.19	1,193.04	31.15	39.301		
3,500.00	3,431.17	3,168.63	3,067.48	17.50	16.53	68.60	-1,462.35	414.07	1,244.40	1,212.37	32.04	38.840		
3,600.00	3,528.69	3,258.48	3,153.56	18.02	17.03	69.51	-1,487.80	410.13	1,265.86	1,232.91	32.96	38.410		
3,700.00	3,626.21	3,390.67	3,280.68	18.54	17.74	70.79	-1,523.67	405.13	1,286.42	1,252.20	34.22	37.589		
3,800.00	3,723.73	3,459.70	3,347.14	19.06	18.12	71.43	-1,542.16	402.67	1,306.90	1,271.93	34.97	37.371		
3,900.00	3,821.25	3,580.13	3,463.04	19.57	18.77	72.52	-1,574.55	398.28	1,327.84	1,291.69	36.15	36.734		
4,000.00	3,918.77	3,668.79	3,548.52	20.09	19.25	73.26	-1,597.98	396.16	1,348.34	1,311.28	37.06	36.383		
4,100.00	4,016.28	3,751.83	3,628.40	20.61	19.70	73.91	-1,620.60	394.35	1,369.85	1,331.92	37.93	36.120		
4,200.00	4,113.80	3,827.87	3,701.29	21.13	20.12	74.49	-1,642.19	392.58	1,392.72	1,353.99	38.73	35.962		
4,300.00	4,211.32	3,912.76	3,782.36	21.65	20.59	75.11	-1,667.30	390.70	1,416.93	1,377.32	39.61	35.772		
4,400.00	4,308.84	4,004.98	3,870.29	22.17	21.11	75.75	-1,695.04	388.86	1,441.77	1,401.21	40.56	35.544		
4,500.00	4,406.36	4,093.01	3,954.15	22.69	21.61	76.33	-1,721.75	387.16	1,467.04	1,425.56	41.48	35.370		
4,600.00	4,503.88	4,181.75	4,038.52	23.21	22.12	76.89	-1,749.22	385.52	1,493.04	1,450.64	42.40	35.213		
4,700.00	4,601.40	4,286.67	4,138.28	23.73	22.71	77.55	-1,781.65	383.23	1,519.24	1,475.76	43.48	34.937		
4,800.00	4,698.92	4,399.66	4,246.09	24.26	23.35	78.24	-1,815.36	380.89	1,544.53	1,499.89	44.64	34.597		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,796.43	4,485.78	4,328.41	24.78	23.84	78.78	-1,840.54	378.38	1,569.65	1,524.11	45.54	34.465		
5,000.00	4,893.95	4,584.96	4,423.20	25.30	24.39	79.46	-1,869.28	373.38	1,595.35	1,548.79	46.57	34.258		
5,100.00	4,991.47	4,697.29	4,530.82	25.82	25.02	80.23	-1,900.87	367.32	1,620.56	1,572.84	47.72	33.960		
5,200.00	5,088.99	4,833.69	4,662.26	26.34	25.76	81.13	-1,936.68	360.70	1,643.95	1,594.87	49.07	33.501		
5,300.00	5,186.51	4,911.00	4,736.87	26.87	26.18	81.64	-1,956.51	356.59	1,667.18	1,617.29	49.89	33.414		
5,400.00	5,284.03	5,022.96	4,844.99	27.39	26.78	82.40	-1,984.82	349.75	1,690.56	1,639.54	51.02	33.132		
5,500.00	5,381.55	5,111.34	4,930.35	27.91	27.25	82.97	-2,007.14	344.78	1,713.95	1,662.00	51.94	32.996		
5,600.00	5,479.07	5,213.89	5,029.42	28.43	27.80	83.61	-2,033.02	339.12	1,737.47	1,684.48	52.99	32.787		
5,700.00	5,576.58	5,341.21	5,152.56	28.96	28.48	84.33	-2,064.95	333.79	1,760.66	1,706.41	54.25	32.455		
5,800.00	5,674.10	5,587.15	5,393.50	29.48	29.71	85.67	-2,113.59	328.81	1,777.70	1,721.45	56.26	31.599		
5,900.00	5,771.62	5,752.30	5,556.88	30.00	30.47	86.56	-2,137.62	328.78	1,789.91	1,732.36	57.56	31.099		
6,000.00	5,869.14	5,912.04	5,715.82	30.53	31.15	87.53	-2,153.38	327.60	1,798.10	1,739.36	58.73	30.614		
6,100.00	5,966.66	6,036.26	5,839.70	31.05	31.66	88.36	-2,162.14	325.20	1,804.69	1,744.93	59.76	30.200		
6,200.00	6,064.18	6,157.66	5,960.88	31.58	32.15	89.17	-2,169.20	323.27	1,810.32	1,749.56	60.76	29.795		
6,300.00	6,161.70	6,327.92	6,131.05	32.10	32.80	90.33	-2,174.09	322.21	1,812.98	1,751.17	61.80	29.335		
6,400.00	6,259.22	6,410.43	6,213.55	32.62	33.11	90.91	-2,175.20	321.43	1,814.87	1,752.15	62.72	28.936		
6,500.00	6,356.74	7,923.38	7,096.61	33.15	38.74	71.07	-2,179.19	1,145.43	1,775.22	1,714.70	60.52	29.334		
6,600.00	6,454.25	7,940.41	7,096.36	33.67	39.01	70.45	-2,179.58	1,162.46	1,727.55	1,664.54	63.00	27.421		
6,623.48	6,477.15	7,944.42	7,096.30	33.80	39.08	70.30	-2,179.67	1,166.47	1,716.98	1,653.40	63.58	27.004		
6,650.00	6,503.12	7,948.46	7,096.25	33.93	39.14	63.40	-2,179.77	1,170.50	1,705.29	1,641.06	64.23	26.551		
6,700.00	6,552.50	7,953.35	7,096.18	34.16	39.22	42.20	-2,179.89	1,175.40	1,683.90	1,618.52	65.38	25.757		
6,750.00	6,602.21	7,954.68	7,096.16	34.36	39.24	2.11	-2,179.92	1,176.72	1,663.55	1,597.11	66.43	25.042		
6,800.00	6,651.92	7,952.41	7,096.19	34.54	39.20	-38.60	-2,179.86	1,174.46	1,644.39	1,577.01	67.38	24.403		
6,850.00	6,701.33	7,946.57	7,096.27	34.70	39.11	-59.75	-2,179.72	1,168.62	1,626.59	1,558.35	68.24	23.835		
6,900.00	6,750.14	7,937.17	7,096.41	34.86	38.96	-70.44	-2,179.51	1,159.22	1,610.26	1,541.25	69.00	23.336		
6,950.00	6,798.04	7,924.26	7,096.60	35.02	38.76	-76.64	-2,179.21	1,146.31	1,595.47	1,525.80	69.67	22.901		
7,000.00	6,844.75	7,921.00	7,096.64	35.19	38.71	-81.04	-2,179.14	1,143.06	1,582.32	1,511.92	70.41	22.474		
7,050.00	6,889.97	7,900.33	7,096.95	35.37	38.41	-83.61	-2,178.78	1,122.39	1,570.79	1,499.90	70.89	22.159		
7,100.00	6,933.42	7,885.84	7,097.17	35.57	38.20	-85.62	-2,178.65	1,107.90	1,561.01	1,489.62	71.39	21.865		
7,150.00	6,974.83	7,869.37	7,097.43	35.79	37.96	-87.02	-2,178.61	1,091.43	1,552.94	1,481.12	71.82	21.622		
7,200.00	7,013.96	7,851.01	7,097.73	36.02	37.70	-87.97	-2,178.72	1,073.08	1,546.56	1,474.38	72.18	21.426		
7,250.00	7,050.56	7,837.08	7,097.95	36.28	37.48	-88.71	-2,178.87	1,059.15	1,541.79	1,469.25	72.54	21.254		
7,300.00	7,084.39	7,788.08	7,098.68	36.57	36.86	-88.35	-2,179.84	1,010.17	1,538.42	1,465.88	72.54	21.208		
7,350.00	7,115.27	7,736.45	7,099.06	36.89	36.22	-87.85	-2,180.47	958.55	1,535.81	1,463.32	72.49	21.187		
7,400.00	7,142.99	7,690.89	7,099.14	37.25	35.99	-87.44	-2,180.77	912.98	1,533.87	1,461.30	72.56	21.139		
7,450.00	7,167.38	7,644.17	7,099.04	37.65	35.98	-86.98	-2,180.98	866.26	1,532.55	1,459.94	72.61	21.106		
7,500.00	7,188.30	7,595.53	7,098.35	38.08	35.98	-86.49	-2,181.07	817.63	1,531.71	1,458.96	72.75	21.054		
7,550.00	7,205.61	7,552.60	7,096.61	38.55	35.98	-86.08	-2,180.97	774.73	1,531.22	1,458.30	72.92	20.999		
7,600.00	7,219.20	7,436.93	7,085.03	39.06	35.97	-84.71	-2,178.04	659.75	1,530.16	1,457.34	72.82	21.013		
7,650.00	7,229.00	7,413.00	7,081.17	39.61	35.97	-84.61	-2,176.67	636.17	1,528.40	1,455.17	73.24	20.870		
7,700.00	7,234.95	7,376.07	7,072.44	40.18	35.94	-84.24	-2,174.72	600.37	1,527.20	1,453.53	73.67	20.730		
7,724.38	7,236.44	7,366.29	7,069.34	40.47	35.93	-84.13	-2,174.32	591.10	1,527.08	1,453.16	73.92	20.659		
7,750.07	7,237.00	7,356.11	7,065.76	40.78	35.92	-83.98	-2,173.95	581.58	1,527.21	1,453.03	74.18	20.588		
7,800.00	7,237.09	7,320.00	7,050.34	41.41	35.89	-83.40	-2,173.12	548.97	1,528.49	1,453.84	74.65	20.475		
7,900.00	7,237.28	7,298.19	7,039.02	42.79	35.85	-82.97	-2,172.88	530.33	1,533.60	1,457.71	75.89	20.207		
8,000.00	7,237.47	7,262.41	7,017.38	44.31	35.79	-82.17	-2,172.71	501.86	1,543.33	1,466.14	77.19	19.993		
8,100.00	7,237.65	7,224.00	6,990.30	45.97	35.73	-81.17	-2,172.84	474.68	1,557.92	1,479.39	78.53	19.838		
8,200.00	7,237.84	7,196.63	6,969.23	47.75	35.66	-80.39	-2,173.00	457.21	1,577.27	1,497.35	79.92	19.735		
8,300.00	7,238.02	7,170.00	6,947.91	49.63	35.59	-79.61	-2,173.02	441.27	1,601.26	1,519.96	81.30	19.696 SF		
8,400.00	7,238.21	7,139.90	6,922.95	51.61	35.51	-78.70	-2,173.15	424.43	1,630.01	1,547.39	82.62	19.728		
8,500.00	7,238.40	7,119.33	6,905.46	53.66	35.46	-78.07	-2,173.43	413.62	1,663.62	1,579.71	83.91	19.827		
8,600.00	7,238.58	7,074.00	6,865.74	55.79	35.34	-76.66	-2,174.59	391.83	1,702.44	1,617.40	85.03	20.021		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,238.77	7,074.00	6,865.74	57.99	35.34	-76.66	-2,174.59	391.83	1,744.59	1,658.38	86.21	20.237		
8,800.00	7,238.96	7,074.00	6,865.74	60.24	35.34	-76.66	-2,174.59	391.83	1,791.33	1,704.06	87.28	20.525		
8,900.00	7,239.14	7,048.07	6,842.36	62.54	35.26	-75.83	-2,175.41	380.65	1,841.90	1,753.72	88.18	20.887		
9,000.00	7,239.33	7,031.42	6,827.12	64.88	35.21	-75.30	-2,175.88	373.97	1,896.05	1,807.03	89.02	21.299		
9,100.00	7,239.52	7,016.57	6,813.39	67.27	35.17	-74.82	-2,176.26	368.34	1,953.50	1,863.73	89.77	21.762		
9,200.00	7,239.70	6,979.00	6,778.09	69.69	35.06	-73.59	-2,177.05	355.49	2,014.42	1,924.06	90.36	22.293		
9,300.00	7,239.89	6,979.00	6,778.09	72.15	35.06	-73.59	-2,177.05	355.49	2,077.49	1,986.51	90.98	22.834		
9,400.00	7,240.07	6,979.00	6,778.09	74.63	35.06	-73.59	-2,177.05	355.49	2,143.37	2,051.84	91.53	23.418		
9,500.00	7,240.26	6,979.00	6,778.09	77.14	35.06	-73.59	-2,177.05	355.49	2,211.81	2,119.81	92.00	24.042		
9,600.00	7,240.45	6,979.00	6,778.09	79.68	35.06	-73.59	-2,177.05	355.49	2,282.57	2,190.17	92.40	24.703		
9,700.00	7,240.63	6,979.00	6,778.09	82.23	35.06	-73.59	-2,177.05	355.49	2,355.46	2,262.71	92.75	25.395		
9,800.00	7,240.82	6,946.76	6,747.25	84.81	34.96	-72.54	-2,177.57	346.11	2,429.48	2,336.47	93.01	26.122		
9,900.00	7,241.01	6,939.96	6,740.69	87.40	34.93	-72.31	-2,177.66	344.33	2,505.67	2,412.41	93.26	26.868		
10,000.00	7,241.19	6,933.66	6,734.59	90.01	34.91	-72.11	-2,177.75	342.75	2,583.42	2,489.95	93.48	27.637		
10,100.00	7,241.38	6,927.81	6,728.92	92.64	34.89	-71.92	-2,177.82	341.32	2,662.60	2,568.94	93.66	28.428		
10,200.00	7,241.56	6,922.37	6,723.63	95.28	34.88	-71.74	-2,177.88	340.05	2,743.10	2,649.28	93.82	29.238		
10,300.00	7,241.75	6,886.00	6,688.03	97.93	34.76	-70.54	-2,178.23	332.67	2,825.57	2,731.68	93.89	30.095		
10,400.00	7,241.94	6,886.00	6,688.03	100.59	34.76	-70.54	-2,178.23	332.67	2,908.16	2,814.14	94.02	30.933		
10,500.00	7,242.12	6,886.00	6,688.03	103.26	34.76	-70.54	-2,178.23	332.67	2,991.81	2,897.69	94.12	31.787		
10,600.00	7,242.31	6,886.00	6,688.03	105.95	34.76	-70.54	-2,178.23	332.67	3,076.44	2,982.23	94.21	32.655		
10,700.00	7,242.50	6,886.00	6,688.03	108.64	34.76	-70.54	-2,178.23	332.67	3,161.96	3,067.68	94.28	33.537		
10,800.00	7,242.68	6,886.00	6,688.03	111.34	34.76	-70.54	-2,178.23	332.67	3,248.31	3,153.97	94.34	34.431		
10,900.00	7,242.87	6,886.00	6,688.03	114.05	34.76	-70.54	-2,178.23	332.67	3,335.42	3,241.03	94.39	35.336		
11,000.00	7,243.05	6,886.00	6,688.03	116.76	34.76	-70.54	-2,178.23	332.67	3,423.24	3,328.81	94.43	36.252		
11,100.00	7,243.24	6,886.00	6,688.03	119.49	34.76	-70.54	-2,178.23	332.67	3,511.71	3,417.25	94.46	37.177		
11,200.00	7,243.43	6,886.00	6,688.03	122.22	34.76	-70.54	-2,178.23	332.67	3,600.78	3,506.30	94.48	38.111		
11,300.00	7,243.61	6,886.00	6,688.03	124.95	34.76	-70.54	-2,178.23	332.67	3,690.42	3,595.92	94.50	39.052		
11,400.00	7,243.80	6,886.00	6,688.03	127.69	34.76	-70.54	-2,178.23	332.67	3,780.57	3,686.06	94.51	40.001		
11,500.00	7,243.99	6,886.00	6,688.03	130.44	34.76	-70.54	-2,178.23	332.67	3,871.21	3,776.69	94.52	40.957		
11,600.00	7,244.17	6,886.00	6,688.03	133.19	34.76	-70.54	-2,178.23	332.67	3,962.29	3,867.77	94.52	41.919		
11,700.00	7,244.36	6,886.00	6,688.03	135.94	34.76	-70.54	-2,178.23	332.67	4,053.80	3,959.28	94.52	42.886		
11,800.00	7,244.55	6,852.87	6,655.33	138.70	34.65	-69.46	-2,178.24	327.32	4,145.22	4,050.73	94.49	43.870		
11,900.00	7,244.73	6,848.93	6,651.43	141.47	34.63	-69.33	-2,178.21	326.74	4,237.37	4,142.89	94.48	44.848		
12,000.00	7,244.92	6,845.16	6,647.70	144.24	34.62	-69.20	-2,178.18	326.21	4,329.85	4,235.37	94.48	45.831		
12,100.00	7,245.10	6,841.56	6,644.14	147.01	34.61	-69.09	-2,178.14	325.70	4,422.65	4,328.18	94.47	46.817		
12,200.00	7,245.29	6,838.11	6,640.72	149.78	34.60	-68.97	-2,178.09	325.23	4,515.74	4,421.28	94.46	47.808		
12,300.00	7,245.48	6,834.80	6,637.45	152.56	34.59	-68.87	-2,178.05	324.79	4,609.11	4,514.67	94.45	48.801		
12,400.00	7,245.66	6,831.64	6,634.31	155.34	34.57	-68.76	-2,178.00	324.38	4,702.75	4,608.31	94.44	49.798		
12,500.00	7,245.85	6,828.60	6,631.29	158.12	34.56	-68.66	-2,177.95	323.99	4,796.64	4,702.21	94.43	50.798		
12,600.00	7,246.04	6,792.00	6,594.94	160.91	34.44	-67.48	-2,177.00	319.91	4,891.25	4,796.90	94.35	51.839		
12,700.00	7,246.22	6,792.00	6,594.94	163.70	34.44	-67.48	-2,177.00	319.91	4,985.52	4,891.17	94.35	52.840		
12,800.00	7,246.41	6,792.00	6,594.94	166.49	34.44	-67.48	-2,177.00	319.91	5,080.00	4,985.65	94.35	53.844		
12,900.00	7,246.59	6,792.00	6,594.94	169.28	34.44	-67.48	-2,177.00	319.91	5,174.69	5,080.35	94.34	54.851		
13,000.00	7,246.78	6,792.00	6,594.94	172.08	34.44	-67.48	-2,177.00	319.91	5,269.57	5,175.24	94.34	55.859		
13,100.00	7,246.97	6,792.00	6,594.94	174.88	34.44	-67.48	-2,177.00	319.91	5,364.65	5,270.31	94.33	56.869		
13,200.00	7,247.15	6,792.00	6,594.94	177.68	34.44	-67.48	-2,177.00	319.91	5,459.89	5,365.56	94.33	57.881		
13,300.00	7,247.34	6,792.00	6,594.94	180.48	34.44	-67.48	-2,177.00	319.91	5,555.31	5,460.98	94.33	58.894		
13,400.00	7,247.53	6,792.00	6,594.94	183.28	34.44	-67.48	-2,177.00	319.91	5,650.88	5,556.56	94.33	59.908		
13,500.00	7,247.71	6,792.00	6,594.94	186.09	34.44	-67.48	-2,177.00	319.91	5,746.61	5,652.28	94.32	60.924		
13,600.00	7,247.90	6,792.00	6,594.94	188.90	34.44	-67.48	-2,177.00	319.91	5,842.47	5,748.15	94.32	61.941		
13,700.00	7,248.08	6,792.00	6,594.94	191.70	34.44	-67.48	-2,177.00	319.91	5,938.48	5,844.15	94.32	62.958		
13,800.00	7,248.27	6,792.00	6,594.94	194.52	34.44	-67.48	-2,177.00	319.91	6,034.61	5,940.29	94.33	63.977		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,248.46	6,792.00	6,594.94	197.33	34.44	-67.48	-2,177.00	319.91	6,130.87	6,036.54	94.33	64.996		
14,000.00	7,248.64	6,792.00	6,594.94	200.14	34.44	-67.48	-2,177.00	319.91	6,227.24	6,132.91	94.33	66.015		
14,100.00	7,248.83	6,792.00	6,594.94	202.95	34.44	-67.48	-2,177.00	319.91	6,323.73	6,229.40	94.33	67.035		
14,200.00	7,249.02	6,792.00	6,594.94	205.77	34.44	-67.48	-2,177.00	319.91	6,420.33	6,325.99	94.34	68.056		
14,300.00	7,249.20	6,792.00	6,594.94	208.59	34.44	-67.48	-2,177.00	319.91	6,517.02	6,422.68	94.35	69.077		
14,400.00	7,249.39	6,792.00	6,594.94	211.41	34.44	-67.48	-2,177.00	319.91	6,613.82	6,519.47	94.35	70.097		
14,500.00	7,249.58	6,792.00	6,594.94	214.23	34.44	-67.48	-2,177.00	319.91	6,710.71	6,616.35	94.36	71.118		
14,600.00	7,249.76	6,792.00	6,594.94	217.05	34.44	-67.48	-2,177.00	319.91	6,807.69	6,713.32	94.37	72.139		
14,700.00	7,249.95	6,792.00	6,594.94	219.87	34.44	-67.48	-2,177.00	319.91	6,904.76	6,810.38	94.38	73.160		
14,800.00	7,250.13	6,792.00	6,594.94	222.69	34.44	-67.48	-2,177.00	319.91	7,001.90	6,907.52	94.39	74.181		
14,900.00	7,250.32	6,792.00	6,594.94	225.51	34.44	-67.48	-2,177.00	319.91	7,099.13	7,004.73	94.40	75.202		
15,000.00	7,250.51	6,792.00	6,594.94	228.34	34.44	-67.48	-2,177.00	319.91	7,196.44	7,102.02	94.41	76.222		
15,100.00	7,250.69	6,792.00	6,594.94	231.16	34.44	-67.48	-2,177.00	319.91	7,293.81	7,199.39	94.43	77.242		
15,200.00	7,250.88	6,792.00	6,594.94	233.99	34.44	-67.48	-2,177.00	319.91	7,391.26	7,296.82	94.44	78.261		
15,300.00	7,251.07	6,792.00	6,594.94	236.82	34.44	-67.48	-2,177.00	319.91	7,488.77	7,394.31	94.46	79.280		
15,400.00	7,251.25	6,792.00	6,594.94	239.65	34.44	-67.48	-2,177.00	319.91	7,586.35	7,491.88	94.48	80.299		
15,500.00	7,251.44	6,792.00	6,594.94	242.47	34.44	-67.48	-2,177.00	319.91	7,683.99	7,589.50	94.49	81.316		
15,600.00	7,251.62	6,792.00	6,594.94	245.30	34.44	-67.48	-2,177.00	319.91	7,781.70	7,687.18	94.51	82.334		
15,700.00	7,251.81	6,792.00	6,594.94	248.13	34.44	-67.48	-2,177.00	319.91	7,879.45	7,784.92	94.53	83.350		
15,800.00	7,252.00	6,792.00	6,594.94	250.97	34.44	-67.48	-2,177.00	319.91	7,977.27	7,882.71	94.56	84.366		
15,900.00	7,252.18	6,792.00	6,594.94	253.80	34.44	-67.48	-2,177.00	319.91	8,075.14	7,980.56	94.58	85.381		
16,000.00	7,252.37	6,792.00	6,594.94	256.63	34.44	-67.48	-2,177.00	319.91	8,173.06	8,078.45	94.60	86.395		
16,100.00	7,252.56	6,792.00	6,594.94	259.46	34.44	-67.48	-2,177.00	319.91	8,271.03	8,176.40	94.63	87.408		
16,200.00	7,252.74	6,792.00	6,594.94	262.30	34.44	-67.48	-2,177.00	319.91	8,369.04	8,274.39	94.65	88.420		
16,300.00	7,252.93	6,792.00	6,594.94	265.13	34.44	-67.48	-2,177.00	319.91	8,467.11	8,372.43	94.68	89.431		
16,400.00	7,253.11	6,792.00	6,594.94	267.96	34.44	-67.48	-2,177.00	319.91	8,565.21	8,470.51	94.70	90.442		
16,500.00	7,253.30	6,792.00	6,594.94	270.80	34.44	-67.48	-2,177.00	319.91	8,663.37	8,568.63	94.73	91.451		
16,600.00	7,253.49	6,792.00	6,594.94	273.64	34.44	-67.48	-2,177.00	319.91	8,761.56	8,666.80	94.76	92.459		
16,700.00	7,253.67	6,792.00	6,594.94	276.47	34.44	-67.48	-2,177.00	319.91	8,859.79	8,765.00	94.79	93.466		
16,800.00	7,253.86	6,792.00	6,594.94	279.31	34.44	-67.48	-2,177.00	319.91	8,958.07	8,863.24	94.82	94.471		
16,900.00	7,254.05	6,792.00	6,594.94	282.15	34.44	-67.48	-2,177.00	319.91	9,056.38	8,961.52	94.86	95.476		
17,000.00	7,254.23	6,792.00	6,594.94	284.98	34.44	-67.48	-2,177.00	319.91	9,154.73	9,059.84	94.89	96.479		
17,100.00	7,254.42	6,792.00	6,594.94	287.82	34.44	-67.48	-2,177.00	319.91	9,253.11	9,158.19	94.92	97.481		
17,200.00	7,254.61	6,792.00	6,594.94	290.66	34.44	-67.48	-2,177.00	319.91	9,351.52	9,256.57	94.96	98.482		
17,300.00	7,254.79	6,792.00	6,594.94	293.50	34.44	-67.48	-2,177.00	319.91	9,449.98	9,354.98	94.99	99.481		
17,400.00	7,254.98	6,792.00	6,594.94	296.34	34.44	-67.48	-2,177.00	319.91	9,548.46	9,453.43	95.03	100.479		
17,500.00	7,255.16	6,792.00	6,594.94	299.18	34.44	-67.48	-2,177.00	319.91	9,646.97	9,551.90	95.07	101.475		
17,600.00	7,255.35	6,792.00	6,594.94	302.02	34.44	-67.48	-2,177.00	319.91	9,745.52	9,650.41	95.11	102.471		
17,700.00	7,255.54	6,792.00	6,594.94	304.86	34.44	-67.48	-2,177.00	319.91	9,844.09	9,748.94	95.14	103.464		
17,800.00	7,255.72	6,792.00	6,594.94	307.70	34.44	-67.48	-2,177.00	319.91	9,942.69	9,847.51	95.19	104.456		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	145.01	-722.78	505.87	882.29					
100.00	100.00	86.65	86.64	3.28	3.29	145.04	-723.15	505.54	882.34	875.77	6.57	134.289		
200.00	200.00	183.97	183.95	3.34	3.31	145.15	-724.46	504.37	882.76	876.12	6.64	132.887		
300.00	300.00	281.24	281.17	3.44	3.34	145.34	-726.72	502.37	883.49	876.70	6.79	130.211		
400.00	399.98	378.36	378.20	3.60	3.39	29.67	-729.90	499.53	883.02	876.03	6.99	126.399		
500.00	499.84	468.63	468.32	3.79	3.47	30.18	-733.89	496.09	880.04	872.77	7.26	121.193		
600.00	599.45	551.26	550.58	4.03	3.61	30.93	-740.17	491.74	875.95	868.31	7.64	114.643		
700.00	698.70	639.29	637.96	4.30	3.80	31.99	-749.06	485.83	870.47	862.37	8.10	107.439		
800.00	797.47	720.33	718.21	4.61	4.00	33.16	-758.89	480.21	864.03	855.42	8.62	100.287		
900.00	895.62	798.20	795.06	4.96	4.22	34.47	-770.21	474.80	857.26	848.08	9.18	93.400		
939.50	934.20	827.93	824.31	5.10	4.32	35.03	-775.09	472.67	854.59	845.17	9.41	90.792		
1,000.00	993.20	872.61	868.18	5.33	4.46	35.84	-782.96	469.71	851.16	841.38	9.78	87.035		
1,100.00	1,090.72	946.34	940.39	5.73	4.71	37.18	-797.30	465.56	848.21	837.80	10.41	81.463		
1,136.58	1,126.39	973.35	966.78	5.89	4.81	37.66	-802.92	464.39	847.98	837.33	10.65	79.617 CC, ES		
1,200.00	1,188.24	1,022.35	1,014.58	6.15	4.99	38.52	-813.59	462.75	848.63	837.55	11.08	76.577		
1,300.00	1,285.76	1,104.56	1,094.53	6.59	5.31	39.95	-832.61	460.52	851.77	839.98	11.78	72.296		
1,400.00	1,383.28	1,192.44	1,179.75	7.04	5.67	41.47	-853.98	458.59	856.97	844.44	12.53	68.403		
1,500.00	1,480.80	1,288.53	1,272.71	7.50	6.08	43.18	-878.10	455.68	863.43	850.10	13.33	64.772		
1,600.00	1,578.31	1,374.91	1,356.01	7.96	6.47	44.78	-900.65	451.97	871.31	857.19	14.11	61.735		
1,700.00	1,675.83	1,456.41	1,434.23	8.44	6.86	46.33	-923.16	447.85	881.33	866.44	14.89	59.199		
1,800.00	1,773.35	1,545.60	1,519.43	8.92	7.29	48.04	-949.04	442.68	893.46	877.75	15.71	56.864		
1,900.00	1,870.87	1,639.74	1,609.26	9.40	7.76	49.82	-976.65	437.15	906.84	890.27	16.58	54.708		
2,000.00	1,968.39	1,746.11	1,711.03	9.89	8.30	51.69	-1,007.13	432.02	920.65	903.13	17.52	52.547		
2,100.00	2,065.91	1,857.07	1,817.78	10.39	8.86	53.51	-1,037.08	427.67	933.74	915.23	18.51	50.455		
2,200.00	2,163.43	1,966.98	1,924.06	10.88	9.41	55.16	-1,064.97	424.74	946.08	926.59	19.49	48.550		
2,300.00	2,260.95	2,089.33	2,043.02	11.38	10.01	56.84	-1,093.47	422.99	957.11	936.57	20.54	46.596		
2,400.00	2,358.46	2,212.89	2,163.93	11.89	10.60	58.54	-1,118.75	420.15	965.73	944.13	21.60	44.717		
2,500.00	2,455.98	2,308.20	2,257.46	12.39	11.06	59.81	-1,136.99	418.19	973.62	951.12	22.50	43.267		
2,600.00	2,553.50	2,396.28	2,343.77	12.89	11.48	60.98	-1,154.43	416.11	982.68	959.30	23.38	42.039		
2,700.00	2,651.02	2,493.96	2,439.38	13.40	11.95	62.27	-1,174.29	413.57	992.77	968.46	24.31	40.842		
2,800.00	2,748.54	2,578.65	2,522.18	13.91	12.37	63.41	-1,191.80	410.58	1,003.75	978.58	25.17	39.883		
2,900.00	2,846.06	2,679.06	2,620.19	14.42	12.87	64.76	-1,213.26	406.60	1,015.96	989.83	26.13	38.882		
3,000.00	2,943.58	2,778.77	2,717.64	14.93	13.36	66.07	-1,233.97	402.57	1,028.10	1,001.01	27.09	37.952		
3,100.00	3,041.10	2,853.13	2,790.19	15.45	13.74	67.02	-1,250.02	399.70	1,041.57	1,013.69	27.88	37.354		
3,200.00	3,138.61	2,929.14	2,863.96	15.96	14.13	67.94	-1,268.19	397.32	1,057.68	1,029.00	28.68	36.879		
3,300.00	3,236.13	3,038.98	2,970.29	16.47	14.70	69.17	-1,295.59	394.51	1,075.29	1,045.55	29.74	36.160		
3,400.00	3,333.65	3,177.34	3,105.35	16.99	15.39	70.74	-1,325.30	390.51	1,089.75	1,058.76	30.99	35.168		
3,500.00	3,431.17	3,254.31	3,180.59	17.50	15.78	71.58	-1,341.37	388.33	1,104.04	1,072.23	31.81	34.712		
3,600.00	3,528.69	3,389.02	3,312.69	18.02	16.44	72.98	-1,367.59	385.83	1,116.98	1,083.97	33.02	33.832		
3,700.00	3,626.21	3,476.44	3,398.53	18.54	16.86	73.91	-1,383.93	383.39	1,129.91	1,096.00	33.91	33.321		
3,800.00	3,723.73	3,568.97	3,489.31	19.06	17.32	74.85	-1,401.72	381.21	1,143.63	1,108.80	34.84	32.826		
3,900.00	3,821.25	3,655.41	3,573.99	19.57	17.75	75.69	-1,418.97	379.23	1,158.38	1,122.65	35.73	32.423		
4,000.00	3,918.77	3,747.60	3,664.14	20.09	18.21	76.63	-1,437.95	375.81	1,174.40	1,137.74	36.66	32.037		
4,100.00	4,016.28	3,853.26	3,767.72	20.61	18.73	77.68	-1,458.43	372.16	1,189.48	1,151.79	37.69	31.560		
4,200.00	4,113.80	3,918.00	3,830.96	21.13	19.06	78.32	-1,472.02	369.38	1,206.68	1,168.28	38.40	31.420		
4,300.00	4,211.32	3,989.80	3,900.73	21.65	19.43	79.04	-1,488.49	365.37	1,226.46	1,187.29	39.16	31.317		
4,400.00	4,308.84	4,072.32	3,980.59	22.17	19.87	79.83	-1,508.69	360.59	1,248.07	1,208.06	40.01	31.194		
4,500.00	4,406.36	4,161.89	4,067.05	22.69	20.35	80.57	-1,531.82	357.15	1,270.62	1,229.70	40.92	31.049		
4,600.00	4,503.88	4,318.14	4,218.48	23.21	21.16	81.80	-1,569.95	352.20	1,292.18	1,249.74	42.44	30.447		
4,700.00	4,601.40	4,436.90	4,334.71	23.73	21.76	82.73	-1,594.17	349.54	1,309.48	1,265.89	43.59	30.042		
4,800.00	4,698.92	4,544.17	4,439.82	24.26	22.30	83.57	-1,615.37	346.49	1,326.78	1,282.14	44.64	29.722		
4,900.00	4,796.43	4,640.07	4,533.99	24.78	22.77	84.33	-1,633.28	343.76	1,343.29	1,297.68	45.61	29.455		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,718.74	4,611.10	25.30	23.16	84.93	-1,648.71	341.36	1,360.96	1,314.53	46.44	29.308		
5,100.00	4,991.47	4,816.92	4,707.08	25.82	23.66	85.65	-1,669.10	337.97	1,380.07	1,332.64	47.42	29.100		
5,200.00	5,088.99	4,920.33	4,808.38	26.34	24.18	86.37	-1,689.71	335.61	1,398.11	1,349.66	48.45	28.854		
5,300.00	5,186.51	4,996.03	4,882.41	26.87	24.56	86.87	-1,705.41	333.83	1,417.16	1,367.90	49.26	28.771		
5,400.00	5,284.03	5,069.72	4,954.19	27.39	24.94	87.35	-1,721.93	331.46	1,438.16	1,388.13	50.03	28.745		
5,500.00	5,381.55	5,182.75	5,064.25	27.91	25.52	88.10	-1,747.24	326.83	1,459.79	1,408.62	51.16	28.532		
5,600.00	5,479.07	5,423.19	5,301.20	28.43	26.68	89.73	-1,786.83	321.35	1,474.91	1,421.77	53.15	27.751		
5,700.00	5,576.58	5,595.90	5,473.22	28.96	27.42	91.11	-1,801.31	316.91	1,483.82	1,429.40	54.42	27.266		
5,800.00	5,674.10	5,710.04	5,587.18	29.48	27.89	92.05	-1,807.37	314.94	1,490.05	1,434.63	55.42	26.887		
5,900.00	5,771.62	5,850.45	5,727.49	30.00	28.45	93.24	-1,811.99	312.44	1,494.97	1,438.51	56.46	26.477		
6,000.00	5,869.14	5,955.22	5,832.24	30.53	28.86	94.08	-1,813.89	312.65	1,497.92	1,440.51	57.41	26.090		
6,100.00	5,966.66	6,054.42	5,931.39	31.05	29.25	94.83	-1,816.75	313.61	1,501.70	1,443.34	58.36	25.733		
6,200.00	6,064.18	6,153.07	6,030.01	31.58	29.64	95.58	-1,819.03	314.72	1,505.19	1,445.89	59.30	25.384		
6,300.00	6,161.70	6,251.83	6,128.74	32.10	30.03	96.34	-1,821.44	315.59	1,509.17	1,448.94	60.24	25.053		
6,400.00	6,259.22	6,349.78	6,226.66	32.62	30.42	97.09	-1,823.56	316.34	1,513.26	1,452.08	61.18	24.735		
6,500.00	6,356.74	6,458.93	6,335.79	33.15	30.85	97.95	-1,825.27	316.66	1,517.39	1,455.25	62.14	24.418		
6,600.00	6,454.25	7,794.00	7,216.97	33.67	36.74	75.49	-1,842.86	1,114.79	1,482.53	1,426.63	55.91	26.518		
6,623.48	6,477.15	7,794.00	7,216.97	33.80	36.74	75.49	-1,842.86	1,114.79	1,469.01	1,412.47	56.54	25.983		
6,650.00	6,503.12	7,794.00	7,216.97	33.93	36.74	68.28	-1,842.86	1,114.79	1,453.94	1,396.69	57.25	25.398		
6,700.00	6,552.50	7,794.00	7,216.97	34.16	36.74	46.39	-1,842.86	1,114.79	1,426.02	1,367.45	58.57	24.349		
6,750.00	6,602.21	7,794.00	7,216.97	34.36	36.74	5.46	-1,842.86	1,114.79	1,398.91	1,339.06	59.85	23.373		
6,800.00	6,651.92	7,794.00	7,216.97	34.54	36.74	-36.21	-1,842.86	1,114.79	1,372.83	1,311.74	61.09	22.471		
6,850.00	6,701.33	7,794.00	7,216.97	34.70	36.74	-58.43	-1,842.86	1,114.79	1,348.00	1,285.71	62.30	21.638		
6,900.00	6,750.14	7,794.00	7,216.97	34.86	36.74	-70.29	-1,842.86	1,114.79	1,324.66	1,261.20	63.46	20.874		
6,950.00	6,798.04	7,777.39	7,216.80	35.02	36.52	-76.96	-1,841.77	1,098.22	1,302.84	1,238.40	64.43	20.220		
7,000.00	6,844.75	7,768.48	7,216.69	35.19	36.41	-81.79	-1,841.26	1,089.32	1,282.87	1,217.45	65.42	19.611		
7,050.00	6,889.97	7,757.59	7,216.55	35.37	36.27	-85.27	-1,840.72	1,078.45	1,264.82	1,198.50	66.32	19.072		
7,100.00	6,933.42	7,744.81	7,216.36	35.57	36.10	-87.82	-1,840.20	1,065.68	1,248.80	1,181.66	67.14	18.601		
7,150.00	6,974.83	7,730.21	7,216.13	35.79	35.92	-89.70	-1,839.75	1,051.09	1,234.88	1,167.01	67.87	18.194		
7,200.00	7,013.96	7,700.00	7,215.32	36.02	33.69	-90.43	-1,839.27	1,017.82	1,223.26	1,160.54	62.72	19.503		
7,250.00	7,050.56	7,686.46	7,215.14	36.28	35.38	-91.67	-1,839.23	1,007.35	1,213.45	1,144.43	69.02	17.580		
7,300.00	7,084.39	7,618.87	7,207.92	36.57	34.66	-90.56	-1,838.44	940.21	1,204.98	1,135.77	69.21	17.409		
7,350.00	7,115.27	7,569.40	7,197.60	36.89	34.24	-89.84	-1,837.36	891.84	1,197.51	1,127.94	69.57	17.213		
7,400.00	7,142.99	7,525.41	7,185.68	37.25	33.97	-89.14	-1,836.13	849.52	1,191.33	1,121.40	69.93	17.036		
7,450.00	7,167.38	7,492.25	7,174.99	37.65	33.84	-88.66	-1,835.11	818.16	1,186.51	1,116.17	70.34	16.868		
7,500.00	7,188.30	7,465.42	7,165.02	38.08	33.76	-88.23	-1,834.44	793.26	1,183.32	1,112.55	70.78	16.719		
7,550.00	7,205.61	7,439.03	7,154.06	38.55	33.70	-87.64	-1,833.97	769.26	1,181.76	1,110.56	71.19	16.600		
7,575.09	7,212.90	7,425.93	7,148.19	38.81	33.67	-87.29	-1,833.80	757.55	1,181.56	1,110.16	71.40	16.549		
7,600.00	7,219.20	7,415.00	7,143.09	39.06	33.65	-86.98	-1,833.69	747.88	1,181.75	1,110.15	71.60	16.504		
7,650.00	7,229.00	7,384.36	7,127.77	39.61	33.59	-85.95	-1,833.50	721.35	1,183.18	1,111.16	72.02	16.428		
7,700.00	7,234.95	7,356.51	7,112.59	40.18	33.53	-84.90	-1,833.44	698.00	1,185.93	1,113.50	72.44	16.372		
7,750.07	7,237.00	7,329.12	7,096.52	40.78	33.47	-83.74	-1,833.49	675.83	1,189.93	1,117.08	72.85	16.335		
7,800.00	7,237.09	7,296.12	7,075.77	41.41	33.40	-82.74	-1,833.58	650.17	1,195.02	1,121.76	73.26	16.312		
7,900.00	7,237.28	7,232.05	7,031.83	42.79	33.26	-80.64	-1,833.18	603.59	1,208.23	1,134.09	74.13	16.298 SF		
8,000.00	7,237.47	7,176.02	6,990.23	44.31	33.12	-78.67	-1,832.31	566.08	1,226.09	1,151.02	75.06	16.334		
8,100.00	7,237.65	7,130.00	6,954.63	45.97	33.00	-77.01	-1,831.41	536.94	1,248.96	1,172.94	76.01	16.431		
8,200.00	7,237.84	7,083.99	6,917.72	47.75	32.88	-75.30	-1,830.35	509.49	1,277.04	1,200.12	76.92	16.601		
8,300.00	7,238.02	7,046.63	6,886.79	49.63	32.78	-73.88	-1,829.38	488.56	1,310.43	1,232.62	77.81	16.842		
8,400.00	7,238.21	7,006.08	6,852.44	51.61	32.66	-72.33	-1,828.24	467.05	1,348.90	1,270.33	78.58	17.166		
8,500.00	7,238.40	6,963.89	6,816.32	53.66	32.54	-70.73	-1,826.97	445.28	1,391.91	1,312.66	79.25	17.564		
8,600.00	7,238.58	6,939.00	6,794.85	55.79	32.47	-69.78	-1,826.19	432.71	1,439.24	1,359.28	79.96	18.001		
8,700.00	7,238.77	6,911.20	6,770.56	57.99	32.39	-68.73	-1,825.41	419.21	1,490.88	1,410.33	80.55	18.509		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,893.19	6,754.57	60.24	32.33	-68.05	-1,825.01	410.93	1,546.74	1,465.62	81.12	19.067		
8,900.00	7,239.14	6,876.70	6,739.77	62.54	32.28	-67.42	-1,824.72	403.67	1,606.41	1,524.79	81.62	19.682		
9,000.00	7,239.33	6,846.00	6,711.81	64.88	32.19	-66.26	-1,824.37	391.00	1,669.74	1,587.80	81.94	20.378		
9,100.00	7,239.52	6,846.00	6,711.81	67.27	32.19	-66.26	-1,824.37	391.00	1,735.78	1,653.39	82.39	21.068		
9,200.00	7,239.70	6,846.00	6,711.81	69.69	32.19	-66.26	-1,824.37	391.00	1,804.95	1,722.19	82.76	21.811		
9,300.00	7,239.89	6,817.41	6,685.40	72.15	32.10	-65.18	-1,824.28	380.04	1,876.34	1,793.41	82.93	22.627		
9,400.00	7,240.07	6,803.52	6,672.48	74.63	32.05	-64.66	-1,824.31	374.95	1,950.09	1,866.97	83.13	23.460		
9,500.00	7,240.26	6,790.45	6,660.26	77.14	32.01	-64.18	-1,824.39	370.30	2,025.86	1,942.57	83.29	24.323		
9,600.00	7,240.45	6,752.00	6,624.04	79.68	31.89	-62.77	-1,824.90	357.44	2,103.90	2,020.58	83.32	25.252		
9,700.00	7,240.63	6,752.00	6,624.04	82.23	31.89	-62.77	-1,824.90	357.44	2,182.80	2,099.32	83.48	26.147		
9,800.00	7,240.82	6,752.00	6,624.04	84.81	31.89	-62.77	-1,824.90	357.44	2,263.38	2,179.76	83.61	27.070		
9,900.00	7,241.01	6,752.00	6,624.04	87.40	31.89	-62.77	-1,824.90	357.44	2,345.44	2,261.73	83.71	28.018		
10,000.00	7,241.19	6,752.00	6,624.04	90.01	31.89	-62.77	-1,824.90	357.44	2,428.86	2,345.07	83.79	28.988		
10,100.00	7,241.38	6,721.82	6,595.31	92.64	31.79	-61.68	-1,825.38	348.21	2,512.97	2,429.19	83.78	29.996		
10,200.00	7,241.56	6,711.74	6,585.66	95.28	31.75	-61.32	-1,825.51	345.30	2,598.29	2,514.49	83.80	31.004		
10,300.00	7,241.75	6,702.23	6,576.54	97.93	31.72	-60.98	-1,825.61	342.63	2,684.53	2,600.70	83.82	32.026		
10,400.00	7,241.94	6,693.26	6,567.91	100.59	31.69	-60.66	-1,825.70	340.19	2,771.59	2,687.76	83.83	33.061		
10,500.00	7,242.12	6,657.00	6,532.82	103.26	31.57	-59.37	-1,825.93	331.02	2,859.85	2,776.08	83.77	34.139		
10,600.00	7,242.31	6,657.00	6,532.82	105.95	31.57	-59.37	-1,825.93	331.02	2,948.17	2,864.38	83.79	35.183		
10,700.00	7,242.50	6,657.00	6,532.82	108.64	31.57	-59.37	-1,825.93	331.02	3,037.22	2,953.41	83.81	36.240		
10,800.00	7,242.68	6,657.00	6,532.82	111.34	31.57	-59.37	-1,825.93	331.02	3,126.93	3,043.11	83.82	37.306		
10,900.00	7,242.87	6,657.00	6,532.82	114.05	31.57	-59.37	-1,825.93	331.02	3,217.25	3,133.42	83.82	38.382		
11,000.00	7,243.05	6,657.00	6,532.82	116.76	31.57	-59.37	-1,825.93	331.02	3,308.12	3,224.30	83.82	39.467		
11,100.00	7,243.24	6,657.00	6,532.82	119.49	31.57	-59.37	-1,825.93	331.02	3,399.51	3,315.69	83.81	40.560		
11,200.00	7,243.43	6,657.00	6,532.82	122.22	31.57	-59.37	-1,825.93	331.02	3,491.36	3,407.56	83.81	41.659		
11,300.00	7,243.61	6,657.00	6,532.82	124.95	31.57	-59.37	-1,825.93	331.02	3,583.66	3,499.86	83.80	42.766		
11,400.00	7,243.80	6,657.00	6,532.82	127.69	31.57	-59.37	-1,825.93	331.02	3,676.36	3,592.57	83.79	43.878		
11,500.00	7,243.99	6,657.00	6,532.82	130.44	31.57	-59.37	-1,825.93	331.02	3,769.43	3,685.65	83.77	44.995		
11,600.00	7,244.17	6,657.00	6,532.82	133.19	31.57	-59.37	-1,825.93	331.02	3,862.84	3,779.08	83.76	46.117		
11,700.00	7,244.36	6,657.00	6,532.82	135.94	31.57	-59.37	-1,825.93	331.02	3,956.58	3,872.84	83.75	47.244		
11,800.00	7,244.55	6,657.00	6,532.82	138.70	31.57	-59.37	-1,825.93	331.02	4,050.62	3,966.89	83.73	48.375		
11,900.00	7,244.73	6,657.00	6,532.82	141.47	31.57	-59.37	-1,825.93	331.02	4,144.94	4,061.22	83.72	49.509		
12,000.00	7,244.92	6,657.00	6,532.82	144.24	31.57	-59.37	-1,825.93	331.02	4,239.52	4,155.81	83.71	50.646		
12,100.00	7,245.10	6,657.00	6,532.82	147.01	31.57	-59.37	-1,825.93	331.02	4,334.34	4,250.64	83.70	51.786		
12,200.00	7,245.29	6,657.00	6,532.82	149.78	31.57	-59.37	-1,825.93	331.02	4,429.39	4,345.70	83.69	52.929		
12,300.00	7,245.48	6,657.00	6,532.82	152.56	31.57	-59.37	-1,825.93	331.02	4,524.65	4,440.98	83.67	54.074		
12,400.00	7,245.66	6,657.00	6,532.82	155.34	31.57	-59.37	-1,825.93	331.02	4,620.11	4,536.45	83.67	55.222		
12,500.00	7,245.85	6,657.00	6,532.82	158.12	31.57	-59.37	-1,825.93	331.02	4,715.76	4,632.11	83.66	56.371		
12,600.00	7,246.04	6,657.00	6,532.82	160.91	31.57	-59.37	-1,825.93	331.02	4,811.59	4,727.94	83.65	57.521		
12,700.00	7,246.22	6,657.00	6,532.82	163.70	31.57	-59.37	-1,825.93	331.02	4,907.59	4,823.94	83.64	58.673		
12,800.00	7,246.41	6,657.00	6,532.82	166.49	31.57	-59.37	-1,825.93	331.02	5,003.74	4,920.10	83.64	59.827		
12,900.00	7,246.59	6,657.00	6,532.82	169.28	31.57	-59.37	-1,825.93	331.02	5,100.04	5,016.40	83.63	60.981		
13,000.00	7,246.78	6,657.00	6,532.82	172.08	31.57	-59.37	-1,825.93	331.02	5,196.47	5,112.84	83.63	62.136		
13,100.00	7,246.97	6,657.00	6,532.82	174.88	31.57	-59.37	-1,825.93	331.02	5,293.05	5,209.42	83.63	63.292		
13,200.00	7,247.15	6,613.50	6,490.14	177.68	31.42	-57.86	-1,826.02	322.77	5,387.53	5,303.91	83.62	64.430		
13,300.00	7,247.34	6,612.41	6,489.05	180.48	31.41	-57.82	-1,826.02	322.61	5,484.23	5,400.61	83.62	65.585		
13,400.00	7,247.53	6,611.35	6,488.01	183.28	31.41	-57.78	-1,826.02	322.46	5,581.05	5,497.43	83.62	66.740		
13,500.00	7,247.71	6,610.33	6,487.00	186.09	31.40	-57.75	-1,826.02	322.33	5,677.97	5,594.35	83.63	67.896		
13,600.00	7,247.90	6,609.35	6,486.02	188.90	31.40	-57.71	-1,826.02	322.19	5,775.00	5,691.37	83.63	69.051		
13,700.00	7,248.08	6,608.39	6,485.07	191.70	31.40	-57.68	-1,826.02	322.07	5,872.13	5,788.48	83.64	70.207		
13,800.00	7,248.27	6,607.46	6,484.15	194.52	31.39	-57.65	-1,826.02	321.95	5,969.34	5,885.69	83.65	71.362		
13,900.00	7,248.46	6,606.57	6,483.26	197.33	31.39	-57.62	-1,826.02	321.83	6,066.65	5,982.99	83.66	72.517		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,248.64	6,563.00	6,439.85	200.14	31.24	-56.13	-1,825.98	318.41	6,166.16	6,082.52	83.64	73.721		
14,100.00	7,248.83	6,563.00	6,439.85	202.95	31.24	-56.13	-1,825.98	318.41	6,263.55	6,179.90	83.66	74.873		
14,200.00	7,249.02	6,563.00	6,439.85	205.77	31.24	-56.13	-1,825.98	318.41	6,361.02	6,277.35	83.67	76.025		
14,300.00	7,249.20	6,563.00	6,439.85	208.59	31.24	-56.13	-1,825.98	318.41	6,458.57	6,374.88	83.69	77.176		
14,400.00	7,249.39	6,563.00	6,439.85	211.41	31.24	-56.13	-1,825.98	318.41	6,556.19	6,472.48	83.70	78.326		
14,500.00	7,249.58	6,563.00	6,439.85	214.23	31.24	-56.13	-1,825.98	318.41	6,653.88	6,570.15	83.72	79.476		
14,600.00	7,249.76	6,563.00	6,439.85	217.05	31.24	-56.13	-1,825.98	318.41	6,751.63	6,667.89	83.74	80.624		
14,700.00	7,249.95	6,563.00	6,439.85	219.87	31.24	-56.13	-1,825.98	318.41	6,849.46	6,765.69	83.76	81.772		
14,800.00	7,250.13	6,563.00	6,439.85	222.69	31.24	-56.13	-1,825.98	318.41	6,947.34	6,863.56	83.78	82.919		
14,900.00	7,250.32	6,563.00	6,439.85	225.51	31.24	-56.13	-1,825.98	318.41	7,045.29	6,961.48	83.81	84.065		
15,000.00	7,250.51	6,563.00	6,439.85	228.34	31.24	-56.13	-1,825.98	318.41	7,143.29	7,059.46	83.83	85.210		
15,100.00	7,250.69	6,563.00	6,439.85	231.16	31.24	-56.13	-1,825.98	318.41	7,241.34	7,157.49	83.86	86.354		
15,200.00	7,250.88	6,563.00	6,439.85	233.99	31.24	-56.13	-1,825.98	318.41	7,339.45	7,255.57	83.88	87.496		
15,300.00	7,251.07	6,563.00	6,439.85	236.82	31.24	-56.13	-1,825.98	318.41	7,437.61	7,353.70	83.91	88.637		
15,400.00	7,251.25	6,563.00	6,439.85	239.65	31.24	-56.13	-1,825.98	318.41	7,535.82	7,451.88	83.94	89.777		
15,500.00	7,251.44	6,563.00	6,439.85	242.47	31.24	-56.13	-1,825.98	318.41	7,634.07	7,550.10	83.97	90.915		
15,600.00	7,251.62	6,563.00	6,439.85	245.30	31.24	-56.13	-1,825.98	318.41	7,732.37	7,648.37	84.00	92.052		
15,700.00	7,251.81	6,563.00	6,439.85	248.13	31.24	-56.13	-1,825.98	318.41	7,830.71	7,746.68	84.03	93.187		
15,800.00	7,252.00	6,563.00	6,439.85	250.97	31.24	-56.13	-1,825.98	318.41	7,929.09	7,845.03	84.06	94.321		
15,900.00	7,252.18	6,563.00	6,439.85	253.80	31.24	-56.13	-1,825.98	318.41	8,027.52	7,943.42	84.10	95.453		
16,000.00	7,252.37	6,563.00	6,439.85	256.63	31.24	-56.13	-1,825.98	318.41	8,125.98	8,041.84	84.13	96.584		
16,100.00	7,252.56	6,563.00	6,439.85	259.46	31.24	-56.13	-1,825.98	318.41	8,224.48	8,140.31	84.17	97.712		
16,200.00	7,252.74	6,563.00	6,439.85	262.30	31.24	-56.13	-1,825.98	318.41	8,323.01	8,238.80	84.21	98.839		
16,300.00	7,252.93	6,563.00	6,439.85	265.13	31.24	-56.13	-1,825.98	318.41	8,421.58	8,337.33	84.25	99.964		
16,400.00	7,253.11	6,563.00	6,439.85	267.96	31.24	-56.13	-1,825.98	318.41	8,520.18	8,435.90	84.28	101.088		
16,500.00	7,253.30	6,563.00	6,439.85	270.80	31.24	-56.13	-1,825.98	318.41	8,618.82	8,534.49	84.33	102.209		
16,600.00	7,253.49	6,563.00	6,439.85	273.64	31.24	-56.13	-1,825.98	318.41	8,717.48	8,633.12	84.37	103.329		
16,700.00	7,253.67	6,563.00	6,439.85	276.47	31.24	-56.13	-1,825.98	318.41	8,816.18	8,731.77	84.41	104.446		
16,800.00	7,253.86	6,563.00	6,439.85	279.31	31.24	-56.13	-1,825.98	318.41	8,914.90	8,830.45	84.45	105.562		
16,900.00	7,254.05	6,563.00	6,439.85	282.15	31.24	-56.13	-1,825.98	318.41	9,013.66	8,929.16	84.50	106.675		
17,000.00	7,254.23	6,563.00	6,439.85	284.98	31.24	-56.13	-1,825.98	318.41	9,112.44	9,027.89	84.54	107.787		
17,100.00	7,254.42	6,563.00	6,439.85	287.82	31.24	-56.13	-1,825.98	318.41	9,211.24	9,126.65	84.59	108.896		
17,200.00	7,254.61	6,563.00	6,439.85	290.66	31.24	-56.13	-1,825.98	318.41	9,310.07	9,225.44	84.63	110.003		
17,300.00	7,254.79	6,563.00	6,439.85	293.50	31.24	-56.13	-1,825.98	318.41	9,408.93	9,324.25	84.68	111.108		
17,400.00	7,254.98	6,563.00	6,439.85	296.34	31.24	-56.13	-1,825.98	318.41	9,507.81	9,423.08	84.73	112.211		
17,500.00	7,255.16	6,563.00	6,439.85	299.18	31.24	-56.13	-1,825.98	318.41	9,606.71	9,521.93	84.78	113.312		
17,600.00	7,255.35	6,563.00	6,439.85	302.02	31.24	-56.13	-1,825.98	318.41	9,705.64	9,620.81	84.83	114.410		
17,700.00	7,255.54	6,563.00	6,439.85	304.86	31.24	-56.13	-1,825.98	318.41	9,804.59	9,719.71	84.88	115.506		
17,800.00	7,255.72	6,563.00	6,439.85	307.70	31.24	-56.13	-1,825.98	318.41	9,903.56	9,818.62	84.94	116.600		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	144.25	-702.74	505.87	865.95					
100.00	100.00	90.68	90.67	3.28	3.29	144.23	-702.50	506.06	865.80	859.23	6.57	131.765		
200.00	200.00	192.55	192.54	3.34	3.31	144.16	-701.64	506.72	865.50	858.85	6.64	130.263		
300.00	300.00	290.39	290.37	3.44	3.36	144.05	-700.34	507.84	865.08	858.28	6.80	127.133		
400.00	399.98	383.25	383.20	3.60	3.47	27.99	-699.39	509.54	863.80	856.73	7.07	122.200		
500.00	499.84	476.97	476.90	3.79	3.62	28.04	-698.99	511.79	860.23	852.82	7.42	115.969		
600.00	599.45	570.89	570.80	4.03	3.81	28.31	-699.90	513.24	854.24	846.40	7.84	108.926		
700.00	698.70	661.08	660.95	4.30	4.02	28.81	-702.35	513.73	846.04	837.72	8.32	101.656		
800.00	797.47	745.57	745.32	4.61	4.24	29.55	-706.81	513.15	836.28	827.44	8.85	94.538		
900.00	895.62	826.23	825.66	4.96	4.47	30.56	-713.80	511.53	825.73	816.32	9.41	87.761		
939.50	934.20	859.35	858.55	5.10	4.57	31.06	-717.47	510.45	821.35	811.70	9.65	85.127		
1,000.00	993.20	909.13	907.88	5.33	4.72	31.83	-723.84	508.26	814.95	804.93	10.02	81.327		
1,100.00	1,090.72	983.60	981.30	5.73	4.96	33.14	-735.56	504.15	806.78	796.13	10.65	75.780		
1,200.00	1,188.24	1,072.14	1,068.11	6.15	5.27	34.85	-752.02	498.47	801.40	790.06	11.34	70.649		
1,300.00	1,285.76	1,162.70	1,156.79	6.59	5.60	36.63	-769.45	492.70	797.54	785.46	12.08	66.042		
1,400.00	1,383.28	1,249.72	1,241.96	7.04	5.94	38.31	-786.63	487.99	795.45	782.62	12.83	62.020		
1,446.35	1,428.48	1,289.54	1,280.85	7.25	6.11	39.10	-794.90	485.85	795.22	782.04	13.18	60.349 CC		
1,500.00	1,480.80	1,337.01	1,327.15	7.50	6.30	40.04	-805.08	483.20	795.49	781.89	13.59	58.516		
1,600.00	1,578.31	1,429.83	1,417.48	7.96	6.70	41.94	-825.68	477.68	797.31	782.91	14.40	55.355		
1,700.00	1,675.83	1,524.28	1,509.31	8.44	7.11	43.90	-846.92	471.52	800.24	785.00	15.24	52.515		
1,800.00	1,773.35	1,617.40	1,599.69	8.92	7.53	45.86	-868.33	464.87	804.53	788.44	16.08	50.031		
1,900.00	1,870.87	1,712.29	1,691.96	9.40	7.97	47.72	-889.88	459.79	810.02	793.08	16.94	47.810		
2,000.00	1,968.39	1,807.90	1,785.02	9.89	8.41	49.50	-911.43	455.71	816.51	798.69	17.82	45.827		
2,100.00	2,065.91	1,910.34	1,884.84	10.39	8.89	51.31	-934.15	452.33	823.66	804.92	18.74	43.956		
2,200.00	2,163.43	2,013.28	1,985.38	10.88	9.38	53.09	-955.97	448.77	830.58	810.91	19.67	42.221		
2,300.00	2,260.95	2,114.84	2,084.48	11.38	9.86	55.00	-977.31	442.56	837.75	817.15	20.61	40.651		
2,400.00	2,358.46	2,228.77	2,196.01	11.89	10.40	57.03	-999.68	436.40	844.52	822.90	21.62	39.059		
2,500.00	2,455.98	2,332.57	2,298.00	12.39	10.89	58.81	-1,018.33	431.23	850.46	827.88	22.58	37.666		
2,600.00	2,553.50	2,429.25	2,393.01	12.89	11.34	60.43	-1,035.58	426.60	857.04	833.54	23.50	36.468		
2,700.00	2,651.02	2,535.71	2,497.92	13.40	11.84	62.16	-1,053.08	421.98	862.88	838.40	24.48	35.245		
2,800.00	2,748.54	2,620.63	2,581.44	13.91	12.24	63.51	-1,068.03	418.49	870.56	845.22	25.34	34.353		
2,900.00	2,846.06	2,723.52	2,682.77	14.42	12.73	65.09	-1,085.46	414.71	878.24	851.92	26.31	33.377		
3,000.00	2,943.58	2,803.49	2,761.29	14.93	13.11	66.35	-1,100.10	410.85	887.94	860.80	27.14	32.716		
3,100.00	3,041.10	2,908.26	2,864.13	15.45	13.61	67.98	-1,119.39	405.58	898.44	870.30	28.14	31.930		
3,200.00	3,138.61	3,018.59	2,972.58	15.96	14.14	69.64	-1,139.01	400.27	909.01	879.83	29.17	31.161		
3,300.00	3,236.13	3,117.64	3,070.32	16.47	14.61	71.08	-1,154.50	396.17	917.91	887.77	30.13	30.464		
3,400.00	3,333.65	3,193.11	3,144.52	16.99	14.97	72.15	-1,167.87	392.92	929.40	898.47	30.93	30.049		
3,500.00	3,431.17	3,289.57	3,239.08	17.50	15.44	73.41	-1,186.67	389.78	942.97	911.09	31.88	29.580		
3,600.00	3,528.69	3,404.95	3,352.64	18.02	16.00	74.85	-1,206.81	386.82	954.77	921.81	32.97	28.963		
3,700.00	3,626.21	3,494.85	3,441.13	18.54	16.43	75.97	-1,222.47	384.13	967.19	933.32	33.87	28.557		
3,800.00	3,723.73	3,585.34	3,530.07	19.06	16.87	77.07	-1,238.84	381.14	980.75	945.97	34.78	28.202		
3,900.00	3,821.25	3,682.93	3,625.93	19.57	17.34	78.25	-1,256.83	377.59	995.15	959.41	35.74	27.844		
4,000.00	3,918.77	3,778.58	3,719.94	20.09	17.81	79.41	-1,273.93	373.40	1,009.66	972.97	36.69	27.519		
4,100.00	4,016.28	3,856.61	3,796.52	20.61	18.20	80.33	-1,288.53	369.93	1,025.44	987.95	37.49	27.350		
4,200.00	4,113.80	3,924.92	3,863.17	21.13	18.54	81.11	-1,303.04	366.46	1,044.11	1,005.92	38.19	27.339		
4,300.00	4,211.32	4,004.86	3,940.80	21.65	18.95	81.97	-1,321.67	362.31	1,065.11	1,026.12	38.99	27.318		
4,400.00	4,308.84	4,108.73	4,041.57	22.17	19.48	83.07	-1,346.14	356.36	1,086.87	1,046.83	40.04	27.147		
4,500.00	4,406.36	4,223.21	4,152.92	22.69	20.07	84.28	-1,371.71	349.11	1,108.13	1,066.94	41.19	26.906		
4,600.00	4,503.88	4,370.24	4,297.18	23.21	20.79	85.90	-1,398.45	339.76	1,125.73	1,083.14	42.60	26.428		
4,700.00	4,601.40	4,473.43	4,398.86	23.73	21.29	87.00	-1,415.11	334.13	1,141.73	1,098.12	43.61	26.181		
4,800.00	4,698.92	4,560.45	4,484.56	24.26	21.71	87.85	-1,429.68	330.11	1,158.27	1,113.78	44.49	26.033		
4,900.00	4,796.43	4,660.71	4,583.17	24.78	22.20	88.76	-1,447.35	326.26	1,175.55	1,130.07	45.49	25.845		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,763.49	4,684.41	25.30	22.70	89.72	-1,464.38	321.36	1,192.60	1,146.10	46.50	25.649		
5,100.00	4,991.47	4,892.50	4,811.90	25.82	23.31	91.00	-1,482.78	314.18	1,208.30	1,160.60	47.70	25.331		
5,200.00	5,088.99	5,012.53	4,930.88	26.34	23.86	92.24	-1,496.92	307.19	1,222.42	1,173.61	48.81	25.043		
5,300.00	5,186.51	5,123.88	5,041.52	26.87	24.36	93.35	-1,508.34	301.91	1,235.03	1,185.17	49.85	24.773		
5,400.00	5,284.03	5,270.91	5,187.90	27.39	25.01	94.84	-1,520.22	295.17	1,246.37	1,195.30	51.06	24.409		
5,500.00	5,381.55	5,434.55	5,351.38	27.91	25.67	96.62	-1,523.94	289.75	1,252.12	1,199.91	52.21	23.982		
5,600.00	5,479.07	5,530.75	5,447.56	28.43	26.04	97.66	-1,524.33	287.37	1,256.68	1,203.55	53.13	23.654		
5,700.00	5,576.58	5,639.15	5,555.93	28.96	26.45	98.83	-1,524.20	285.23	1,260.98	1,206.91	54.07	23.322		
5,800.00	5,674.10	5,736.87	5,653.63	29.48	26.82	99.89	-1,523.85	282.99	1,265.71	1,210.73	54.98	23.021		
5,900.00	5,771.62	5,858.70	5,775.43	30.00	27.27	101.18	-1,522.11	281.53	1,269.38	1,213.46	55.93	22.697		
6,000.00	5,869.14	5,958.12	5,874.84	30.53	27.62	102.16	-1,520.91	282.21	1,272.58	1,215.75	56.83	22.394		
6,100.00	5,966.66	6,051.59	5,968.31	31.05	27.96	103.07	-1,520.03	282.84	1,276.34	1,218.63	57.72	22.114		
6,200.00	6,064.18	6,145.04	6,061.76	31.58	28.30	104.00	-1,519.09	282.91	1,280.80	1,222.20	58.61	21.855		
6,300.00	6,161.70	6,244.21	6,160.91	32.10	28.66	105.01	-1,517.73	282.31	1,285.82	1,226.31	59.51	21.609		
6,400.00	6,259.22	7,662.42	7,061.56	32.62	36.41	79.03	-1,502.23	1,089.75	1,245.38	1,196.64	48.74	25.550		
6,500.00	6,356.74	7,674.98	7,061.81	33.15	36.60	78.26	-1,502.89	1,102.29	1,177.37	1,125.46	51.91	22.680		
6,600.00	6,454.25	7,698.00	7,062.61	33.67	36.93	76.83	-1,504.17	1,125.26	1,114.00	1,058.67	55.33	20.135		
6,623.48	6,477.15	7,698.00	7,062.61	33.80	36.93	76.83	-1,504.17	1,125.26	1,099.81	1,043.69	56.11	19.599		
6,650.00	6,503.12	7,698.00	7,062.61	33.93	36.93	69.52	-1,504.17	1,125.26	1,084.07	1,027.06	57.01	19.016		
6,700.00	6,552.50	7,706.72	7,062.97	34.16	37.07	46.91	-1,504.66	1,133.96	1,055.08	996.33	58.75	17.958		
6,750.00	6,602.21	7,714.62	7,063.29	34.36	37.20	5.35	-1,505.08	1,141.84	1,027.20	966.73	60.47	16.987		
6,800.00	6,651.92	7,715.16	7,063.31	34.54	37.21	-36.42	-1,505.11	1,142.38	1,000.77	938.69	62.07	16.123		
6,850.00	6,701.33	7,708.90	7,063.06	34.70	37.11	-58.20	-1,504.78	1,136.14	976.09	912.54	63.55	15.359		
6,900.00	6,750.14	7,698.00	7,062.61	34.86	36.93	-69.27	-1,504.17	1,125.26	953.39	888.48	64.91	14.689		
6,950.00	6,798.04	7,689.34	7,062.26	35.02	36.81	-76.00	-1,503.67	1,116.62	932.86	866.66	66.20	14.092		
7,000.00	6,844.75	7,678.10	7,061.90	35.19	36.64	-80.33	-1,503.05	1,105.40	914.72	847.37	67.35	13.581		
7,050.00	6,889.97	7,663.43	7,061.57	35.37	36.43	-83.14	-1,502.29	1,090.76	899.05	830.72	68.34	13.156		
7,100.00	6,933.42	7,645.20	7,061.40	35.57	36.16	-84.89	-1,501.39	1,072.55	885.89	816.76	69.14	12.814		
7,150.00	6,974.83	7,623.28	7,061.54	35.79	35.85	-85.84	-1,500.40	1,050.66	875.18	805.43	69.75	12.548		
7,200.00	7,013.96	7,597.58	7,062.15	36.02	35.48	-86.19	-1,499.36	1,024.99	866.76	796.58	70.18	12.351		
7,250.00	7,050.56	7,569.37	7,062.64	36.28	35.12	-86.10	-1,498.42	996.79	860.45	789.96	70.50	12.205		
7,300.00	7,084.39	7,539.94	7,062.58	36.57	34.75	-85.70	-1,497.68	967.37	856.10	785.40	70.71	12.108		
7,350.00	7,115.27	7,508.00	7,061.88	36.89	34.35	-85.01	-1,497.16	935.45	853.56	782.75	70.81	12.055		
7,400.00	7,142.99	7,480.21	7,060.40	37.25	34.04	-84.33	-1,496.96	907.70	852.70	781.76	70.94	12.021		
7,401.20	7,143.62	7,479.51	7,060.35	37.26	34.03	-84.31	-1,496.96	907.01	852.70	781.76	70.94	12.020 ES		
7,450.00	7,167.38	7,451.17	7,057.67	37.65	33.72	-83.43	-1,497.04	878.79	853.44	782.43	71.01	12.018 SF		
7,500.00	7,188.30	7,414.00	7,052.41	38.08	33.33	-82.12	-1,497.56	842.00	855.75	784.76	70.98	12.056		
7,550.00	7,205.61	7,394.63	7,048.86	38.55	33.15	-81.33	-1,498.04	822.97	859.32	788.18	71.15	12.078		
7,600.00	7,219.20	7,367.65	7,042.96	39.06	32.91	-80.16	-1,498.97	796.67	864.28	793.03	71.25	12.130		
7,650.00	7,229.00	7,340.78	7,035.99	39.61	32.68	-78.93	-1,500.22	770.75	870.45	799.08	71.37	12.196		
7,700.00	7,234.95	7,312.30	7,027.43	40.18	32.45	-77.59	-1,501.88	743.63	877.66	806.16	71.50	12.274		
7,750.07	7,237.00	7,276.25	7,015.34	40.78	32.22	-76.07	-1,504.15	709.75	885.49	813.85	71.64	12.360		
7,800.00	7,237.09	7,240.76	7,002.27	41.41	32.01	-75.28	-1,506.47	676.84	893.91	822.11	71.80	12.450		
7,900.00	7,237.28	7,175.28	6,974.21	42.79	31.74	-73.60	-1,510.65	617.86	913.63	841.39	72.24	12.647		
8,000.00	7,237.47	7,109.17	6,938.84	44.31	31.54	-71.51	-1,513.92	562.16	937.81	865.16	72.65	12.909		
8,100.00	7,237.65	7,034.00	6,889.98	45.97	31.34	-68.61	-1,513.03	505.17	965.28	892.47	72.81	13.257		
8,200.00	7,237.84	7,001.70	6,866.72	47.75	31.25	-67.25	-1,511.84	482.79	998.36	924.96	73.40	13.602		
8,300.00	7,238.02	6,974.02	6,846.14	49.63	31.17	-66.08	-1,511.61	464.28	1,038.18	964.22	73.96	14.037		
8,400.00	7,238.21	6,939.00	6,819.32	51.61	31.08	-64.62	-1,512.33	441.79	1,084.26	1,009.91	74.35	14.584		
8,500.00	7,238.40	6,914.42	6,799.93	53.66	31.01	-63.59	-1,513.09	426.70	1,135.53	1,060.76	74.78	15.186		
8,600.00	7,238.58	6,879.38	6,771.41	55.79	30.90	-62.10	-1,513.64	406.36	1,191.27	1,116.26	75.00	15.883		
8,700.00	7,238.77	6,845.00	6,742.49	57.99	30.80	-60.61	-1,513.58	387.77	1,251.06	1,175.91	75.15	16.648		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,845.00	6,742.49	60.24	30.80	-60.61	-1,513.58	387.77	1,314.98	1,239.39	75.59	17.397		
8,900.00	7,239.14	6,808.58	6,710.86	62.54	30.68	-59.02	-1,513.15	369.74	1,381.90	1,306.30	75.59	18.280		
9,000.00	7,239.33	6,791.87	6,696.01	64.88	30.63	-58.29	-1,512.93	362.08	1,452.34	1,376.59	75.74	19.175		
9,100.00	7,239.52	6,751.00	6,658.87	67.27	30.50	-56.52	-1,512.31	345.04	1,526.26	1,450.63	75.62	20.183		
9,200.00	7,239.70	6,751.00	6,658.87	69.69	30.50	-56.52	-1,512.31	345.04	1,601.55	1,525.70	75.84	21.116		
9,300.00	7,239.89	6,751.00	6,658.87	72.15	30.50	-56.52	-1,512.31	345.04	1,679.42	1,603.41	76.01	22.095		
9,400.00	7,240.07	6,751.00	6,658.87	74.63	30.50	-56.52	-1,512.31	345.04	1,759.53	1,683.40	76.13	23.113		
9,500.00	7,240.26	6,751.00	6,658.87	77.14	30.50	-56.52	-1,512.31	345.04	1,841.59	1,765.38	76.21	24.166		
9,600.00	7,240.45	6,716.20	6,626.53	79.68	30.38	-55.03	-1,512.01	332.20	1,924.28	1,848.20	76.08	25.292		
9,700.00	7,240.63	6,706.15	6,617.10	82.23	30.34	-54.61	-1,512.02	328.74	2,008.84	1,932.76	76.09	26.401		
9,800.00	7,240.82	6,696.71	6,608.20	84.81	30.31	-54.22	-1,512.07	325.58	2,094.61	2,018.52	76.09	27.529		
9,900.00	7,241.01	6,656.00	6,569.46	87.40	30.17	-52.58	-1,512.75	313.09	2,182.30	2,106.35	75.95	28.733		
10,000.00	7,241.19	6,656.00	6,569.46	90.01	30.17	-52.58	-1,512.75	313.09	2,269.71	2,193.73	75.98	29.871		
10,100.00	7,241.38	6,656.00	6,569.46	92.64	30.17	-52.58	-1,512.75	313.09	2,358.12	2,282.12	76.00	31.026		
10,200.00	7,241.56	6,656.00	6,569.46	95.28	30.17	-52.58	-1,512.75	313.09	2,447.42	2,371.41	76.01	32.197		
10,300.00	7,241.75	6,656.00	6,569.46	97.93	30.17	-52.58	-1,512.75	313.09	2,537.52	2,461.50	76.02	33.382		
10,400.00	7,241.94	6,656.00	6,569.46	100.59	30.17	-52.58	-1,512.75	313.09	2,628.34	2,552.33	76.01	34.579		
10,500.00	7,242.12	6,656.00	6,569.46	103.26	30.17	-52.58	-1,512.75	313.09	2,719.80	2,643.79	76.00	35.786		
10,600.00	7,242.31	6,656.00	6,569.46	105.95	30.17	-52.58	-1,512.75	313.09	2,811.84	2,735.85	75.99	37.004		
10,700.00	7,242.50	6,656.00	6,569.46	108.64	30.17	-52.58	-1,512.75	313.09	2,904.40	2,828.43	75.97	38.230		
10,800.00	7,242.68	6,621.85	6,536.56	111.34	30.04	-51.24	-1,513.54	303.99	2,996.67	2,920.76	75.91	39.476		
10,900.00	7,242.87	6,615.87	6,530.77	114.05	30.02	-51.01	-1,513.65	302.52	3,089.86	3,013.96	75.89	40.714		
11,000.00	7,243.05	6,610.20	6,525.26	116.76	30.00	-50.79	-1,513.76	301.17	3,183.41	3,107.54	75.87	41.957		
11,100.00	7,243.24	6,604.81	6,520.01	119.49	29.98	-50.59	-1,513.85	299.91	3,277.31	3,201.45	75.86	43.205		
11,200.00	7,243.43	6,599.67	6,515.01	122.22	29.96	-50.39	-1,513.94	298.74	3,371.52	3,295.68	75.84	44.456		
11,300.00	7,243.61	6,562.00	6,478.14	124.95	29.83	-48.98	-1,514.43	291.05	3,466.73	3,390.95	75.78	45.745		
11,400.00	7,243.80	6,562.00	6,478.14	127.69	29.83	-48.98	-1,514.43	291.05	3,561.32	3,485.54	75.78	46.996		
11,500.00	7,243.99	6,562.00	6,478.14	130.44	29.83	-48.98	-1,514.43	291.05	3,656.20	3,580.42	75.78	48.251		
11,600.00	7,244.17	6,562.00	6,478.14	133.19	29.83	-48.98	-1,514.43	291.05	3,751.34	3,675.57	75.77	49.509		
11,700.00	7,244.36	6,562.00	6,478.14	135.94	29.83	-48.98	-1,514.43	291.05	3,846.73	3,770.96	75.77	50.771		
11,800.00	7,244.55	6,562.00	6,478.14	138.70	29.83	-48.98	-1,514.43	291.05	3,942.34	3,866.58	75.76	52.035		
11,900.00	7,244.73	6,562.00	6,478.14	141.47	29.83	-48.98	-1,514.43	291.05	4,038.17	3,962.41	75.76	53.302		
12,000.00	7,244.92	6,562.00	6,478.14	144.24	29.83	-48.98	-1,514.43	291.05	4,134.20	4,058.44	75.76	54.571		
12,100.00	7,245.10	6,562.00	6,478.14	147.01	29.83	-48.98	-1,514.43	291.05	4,230.41	4,154.65	75.76	55.841		
12,200.00	7,245.29	6,562.00	6,478.14	149.78	29.83	-48.98	-1,514.43	291.05	4,326.80	4,251.04	75.76	57.114		
12,300.00	7,245.48	6,562.00	6,478.14	152.56	29.83	-48.98	-1,514.43	291.05	4,423.34	4,347.58	75.76	58.387		
12,400.00	7,245.66	6,562.00	6,478.14	155.34	29.83	-48.98	-1,514.43	291.05	4,520.03	4,444.27	75.76	59.661		
12,500.00	7,245.85	6,562.00	6,478.14	158.12	29.83	-48.98	-1,514.43	291.05	4,616.87	4,541.10	75.77	60.936		
12,600.00	7,246.04	6,562.00	6,478.14	160.91	29.83	-48.98	-1,514.43	291.05	4,713.83	4,638.06	75.77	62.212		
12,700.00	7,246.22	6,562.00	6,478.14	163.70	29.83	-48.98	-1,514.43	291.05	4,810.92	4,735.15	75.78	63.488		
12,800.00	7,246.41	6,562.00	6,478.14	166.49	29.83	-48.98	-1,514.43	291.05	4,908.13	4,832.35	75.78	64.764		
12,900.00	7,246.59	6,562.00	6,478.14	169.28	29.83	-48.98	-1,514.43	291.05	5,005.45	4,929.66	75.79	66.041		
13,000.00	7,246.78	6,562.00	6,478.14	172.08	29.83	-48.98	-1,514.43	291.05	5,102.87	5,027.07	75.80	67.317		
13,100.00	7,246.97	6,562.00	6,478.14	174.88	29.83	-48.98	-1,514.43	291.05	5,200.39	5,124.58	75.82	68.593		
13,200.00	7,247.15	6,562.00	6,478.14	177.68	29.83	-48.98	-1,514.43	291.05	5,298.00	5,222.17	75.83	69.868		
13,300.00	7,247.34	6,562.00	6,478.14	180.48	29.83	-48.98	-1,514.43	291.05	5,395.70	5,319.86	75.84	71.143		
13,400.00	7,247.53	6,562.00	6,478.14	183.28	29.83	-48.98	-1,514.43	291.05	5,493.48	5,417.63	75.86	72.417		
13,500.00	7,247.71	6,562.00	6,478.14	186.09	29.83	-48.98	-1,514.43	291.05	5,591.35	5,515.47	75.88	73.690		
13,600.00	7,247.90	6,562.00	6,478.14	188.90	29.83	-48.98	-1,514.43	291.05	5,689.28	5,613.39	75.89	74.963		
13,700.00	7,248.08	6,562.00	6,478.14	191.70	29.83	-48.98	-1,514.43	291.05	5,787.29	5,711.37	75.91	76.234		
13,800.00	7,248.27	6,562.00	6,478.14	194.52	29.83	-48.98	-1,514.43	291.05	5,885.36	5,809.42	75.94	77.504		
13,900.00	7,248.46	6,562.00	6,478.14	197.33	29.83	-48.98	-1,514.43	291.05	5,983.50	5,907.54	75.96	78.773		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,562.00	6,478.14	200.14	29.83	-48.98	-1,514.43	291.05	6,081.69	6,005.71	75.98	80.041		
14,100.00	7,248.83	6,562.00	6,478.14	202.95	29.83	-48.98	-1,514.43	291.05	6,179.95	6,103.94	76.01	81.307		
14,200.00	7,249.02	6,562.00	6,478.14	205.77	29.83	-48.98	-1,514.43	291.05	6,278.26	6,202.22	76.03	82.572		
14,300.00	7,249.20	6,562.00	6,478.14	208.59	29.83	-48.98	-1,514.43	291.05	6,376.62	6,300.56	76.06	83.835		
14,400.00	7,249.39	6,562.00	6,478.14	211.41	29.83	-48.98	-1,514.43	291.05	6,475.03	6,398.94	76.09	85.096		
14,500.00	7,249.58	6,562.00	6,478.14	214.23	29.83	-48.98	-1,514.43	291.05	6,573.49	6,497.37	76.12	86.356		
14,600.00	7,249.76	6,562.00	6,478.14	217.05	29.83	-48.98	-1,514.43	291.05	6,672.00	6,595.85	76.15	87.614		
14,700.00	7,249.95	6,562.00	6,478.14	219.87	29.83	-48.98	-1,514.43	291.05	6,770.55	6,694.37	76.19	88.870		
14,800.00	7,250.13	6,562.00	6,478.14	222.69	29.83	-48.98	-1,514.43	291.05	6,869.14	6,792.92	76.22	90.123		
14,900.00	7,250.32	6,562.00	6,478.14	225.51	29.83	-48.98	-1,514.43	291.05	6,967.78	6,891.52	76.25	91.375		
15,000.00	7,250.51	6,562.00	6,478.14	228.34	29.83	-48.98	-1,514.43	291.05	7,066.45	6,990.16	76.29	92.625		
15,100.00	7,250.69	6,562.00	6,478.14	231.16	29.83	-48.98	-1,514.43	291.05	7,165.15	7,088.83	76.33	93.873		
15,200.00	7,250.88	6,562.00	6,478.14	233.99	29.83	-48.98	-1,514.43	291.05	7,263.90	7,187.53	76.37	95.118		
15,300.00	7,251.07	6,562.00	6,478.14	236.82	29.83	-48.98	-1,514.43	291.05	7,362.67	7,286.27	76.41	96.362		
15,400.00	7,251.25	6,562.00	6,478.14	239.65	29.83	-48.98	-1,514.43	291.05	7,461.48	7,385.04	76.45	97.603		
15,500.00	7,251.44	6,562.00	6,478.14	242.47	29.83	-48.98	-1,514.43	291.05	7,560.32	7,483.83	76.49	98.841		
15,600.00	7,251.62	6,562.00	6,478.14	245.30	29.83	-48.98	-1,514.43	291.05	7,659.20	7,582.66	76.53	100.077		
15,700.00	7,251.81	6,562.00	6,478.14	248.13	29.83	-48.98	-1,514.43	291.05	7,758.09	7,681.52	76.58	101.311		
15,800.00	7,252.00	6,562.00	6,478.14	250.97	29.83	-48.98	-1,514.43	291.05	7,857.02	7,780.40	76.62	102.542		
15,900.00	7,252.18	6,562.00	6,478.14	253.80	29.83	-48.98	-1,514.43	291.05	7,955.98	7,879.31	76.67	103.770		
16,000.00	7,252.37	6,562.00	6,478.14	256.63	29.83	-48.98	-1,514.43	291.05	8,054.96	7,978.24	76.72	104.996		
16,100.00	7,252.56	6,562.00	6,478.14	259.46	29.83	-48.98	-1,514.43	291.05	8,153.96	8,077.20	76.77	106.220		
16,200.00	7,252.74	6,562.00	6,478.14	262.30	29.83	-48.98	-1,514.43	291.05	8,252.99	8,176.18	76.81	107.440		
16,300.00	7,252.93	6,517.78	6,434.38	265.13	29.66	-47.38	-1,514.88	284.81	8,350.03	8,273.15	76.88	108.618		
16,400.00	7,253.11	6,517.22	6,433.83	267.96	29.66	-47.36	-1,514.88	284.75	8,449.05	8,372.13	76.93	109.832		
16,500.00	7,253.30	6,516.68	6,433.29	270.80	29.66	-47.34	-1,514.89	284.70	8,548.10	8,471.12	76.98	111.044		
16,600.00	7,253.49	6,516.15	6,432.76	273.64	29.66	-47.32	-1,514.89	284.65	8,647.17	8,570.14	77.03	112.253		
16,700.00	7,253.67	6,515.63	6,432.25	276.47	29.66	-47.30	-1,514.90	284.60	8,746.26	8,669.17	77.09	113.459		
16,800.00	7,253.86	6,515.13	6,431.74	279.31	29.65	-47.28	-1,514.90	284.55	8,845.37	8,768.22	77.14	114.662		
16,900.00	7,254.05	6,514.63	6,431.25	282.15	29.65	-47.27	-1,514.91	284.51	8,944.50	8,867.30	77.20	115.862		
17,000.00	7,254.23	6,514.14	6,430.76	284.98	29.65	-47.25	-1,514.91	284.46	9,043.64	8,966.39	77.26	117.059		
17,100.00	7,254.42	6,513.67	6,430.29	287.82	29.65	-47.23	-1,514.92	284.42	9,142.81	9,065.49	77.32	118.253		
17,200.00	7,254.61	6,513.20	6,429.82	290.66	29.65	-47.22	-1,514.92	284.38	9,241.99	9,164.62	77.38	119.444		
17,300.00	7,254.79	6,512.74	6,429.37	293.50	29.65	-47.20	-1,514.93	284.34	9,341.19	9,263.76	77.44	120.632		
17,400.00	7,254.98	6,512.30	6,428.92	296.34	29.64	-47.18	-1,514.93	284.30	9,440.41	9,362.91	77.50	121.817		
17,500.00	7,255.16	6,468.00	6,384.69	299.18	29.48	-45.66	-1,515.39	282.33	9,541.61	9,464.05	77.56	123.018		
17,600.00	7,255.35	6,468.00	6,384.69	302.02	29.48	-45.66	-1,515.39	282.33	9,640.82	9,563.19	77.63	124.197		
17,700.00	7,255.54	6,468.00	6,384.69	304.86	29.48	-45.66	-1,515.39	282.33	9,740.04	9,662.35	77.69	125.372		
17,800.00	7,255.72	6,468.00	6,384.69	307.70	29.48	-45.66	-1,515.39	282.33	9,839.28	9,761.53	77.75	126.544		
17,900.00	7,255.91	6,468.00	6,384.69	310.54	29.48	-45.66	-1,515.39	282.33	9,938.54	9,860.72	77.82	127.713		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	137.99	-562.85	506.98	757.60					
100.00	100.00	87.74	87.74	3.28	0.19	137.96	-562.65	507.31	757.59	754.11	3.48	217.872 CC, ES		
200.00	200.00	176.98	176.96	3.34	0.47	137.87	-562.16	508.53	758.13	754.32	3.82	198.677		
300.00	300.00	255.47	255.38	3.44	0.82	137.69	-562.29	511.91	761.15	756.84	4.31	176.450		
400.00	399.98	329.00	328.70	3.60	1.16	21.42	-562.96	517.35	765.33	760.47	4.86	157.419		
500.00	499.84	407.61	406.84	3.79	1.52	21.12	-564.59	525.77	769.36	763.91	5.45	141.066		
600.00	599.45	481.25	479.70	4.03	1.86	20.85	-567.52	535.96	773.61	767.52	6.09	127.033		
700.00	698.70	558.90	556.21	4.30	2.21	20.67	-572.62	548.25	777.86	771.10	6.75	115.153		
800.00	797.47	642.26	638.06	4.61	2.61	20.64	-580.39	561.95	781.31	773.86	7.45	104.890		
900.00	895.62	730.06	724.06	4.96	3.04	20.82	-590.84	576.21	783.28	775.11	8.17	95.866		
939.50	934.20	765.26	758.48	5.10	3.22	20.97	-595.73	581.68	783.57	775.11	8.46	92.631		
1,000.00	993.20	822.59	814.50	5.33	3.50	21.30	-604.61	590.09	783.99	775.06	8.92	87.843		
1,100.00	1,090.72	930.58	919.96	5.73	4.03	22.27	-624.46	602.04	784.57	774.84	9.73	80.645		
1,200.00	1,188.24	1,058.89	1,045.30	6.15	4.62	24.04	-651.11	607.74	783.02	772.40	10.62	73.755		
1,300.00	1,285.76	1,163.08	1,146.81	6.59	5.09	25.94	-674.41	605.57	779.23	767.77	11.46	67.982		
1,400.00	1,383.28	1,248.60	1,229.46	7.04	5.47	27.78	-695.94	600.99	776.76	764.49	12.27	63.294		
1,448.65	1,430.72	1,289.79	1,269.00	7.26	5.65	28.74	-707.16	598.29	776.46	763.79	12.67	61.277		
1,500.00	1,480.80	1,333.32	1,310.63	7.50	5.85	29.78	-719.46	595.22	776.80	763.70	13.10	59.318		
1,600.00	1,578.31	1,421.57	1,394.69	7.96	6.27	31.94	-745.49	588.54	779.24	765.30	13.94	55.880		
1,700.00	1,675.83	1,508.40	1,477.09	8.44	6.69	34.12	-771.96	581.60	783.82	769.03	14.80	52.964		
1,800.00	1,773.35	1,600.58	1,564.21	8.92	7.16	36.46	-801.07	573.77	790.63	774.95	15.69	50.398		
1,900.00	1,870.87	1,701.58	1,659.70	9.40	7.68	39.00	-832.67	564.69	798.54	781.91	16.63	48.015		
2,000.00	1,968.39	1,802.96	1,756.00	9.89	8.21	41.46	-863.05	555.64	806.70	789.12	17.58	45.879		
2,100.00	2,065.91	1,884.85	1,833.88	10.39	8.65	43.37	-887.44	548.91	816.36	797.93	18.43	44.295		
2,200.00	2,163.43	1,954.15	1,899.47	10.88	9.03	44.87	-909.47	545.14	829.82	810.63	19.18	43.256		
2,300.00	2,260.95	2,050.34	1,990.35	11.38	9.58	46.78	-940.82	541.73	845.58	825.46	20.12	42.023		
2,400.00	2,358.46	2,149.34	2,084.05	11.89	10.14	48.62	-972.66	539.00	862.01	840.92	21.08	40.883		
2,500.00	2,455.98	2,255.12	2,184.55	12.39	10.74	50.50	-1,005.52	536.23	878.19	856.09	22.10	39.733		
2,600.00	2,553.50	2,350.06	2,274.94	12.89	11.27	52.08	-1,034.53	534.26	894.72	871.68	23.04	38.830		
2,700.00	2,651.02	2,446.78	2,366.86	13.40	11.82	53.74	-1,064.38	530.47	912.04	888.04	24.00	38.003		
2,800.00	2,748.54	2,546.25	2,461.56	13.91	12.38	55.40	-1,094.51	526.49	929.53	904.55	24.98	37.207		
2,900.00	2,846.06	2,639.01	2,549.95	14.42	12.90	56.82	-1,122.54	523.77	947.72	921.81	25.91	36.571		
3,000.00	2,943.58	2,731.05	2,637.59	14.93	13.43	58.15	-1,150.60	521.71	966.82	939.98	26.84	36.018		
3,100.00	3,041.10	2,823.99	2,726.00	15.45	13.95	59.42	-1,179.19	520.13	986.76	958.98	27.78	35.519		
3,200.00	3,138.61	2,914.35	2,811.82	15.96	14.47	60.72	-1,207.23	516.56	1,007.47	978.77	28.70	35.104		
3,300.00	3,236.13	3,000.63	2,893.57	16.47	14.97	61.93	-1,234.60	512.94	1,029.43	999.85	29.58	34.798		
3,400.00	3,333.65	3,091.36	2,979.31	16.99	15.50	63.14	-1,264.04	509.26	1,052.65	1,022.14	30.51	34.502		
3,500.00	3,431.17	3,192.20	3,074.75	17.50	16.08	64.40	-1,296.41	505.83	1,075.96	1,044.42	31.54	34.117		
3,600.00	3,528.69	3,285.01	3,162.61	18.02	16.62	65.50	-1,326.15	502.92	1,099.63	1,067.14	32.49	33.846		
3,700.00	3,626.21	3,389.47	3,261.51	18.54	17.23	66.75	-1,359.49	498.40	1,123.73	1,090.18	33.56	33.487		
3,800.00	3,723.73	3,504.58	3,371.13	19.06	17.89	68.05	-1,394.31	494.04	1,146.49	1,111.76	34.72	33.018		
3,900.00	3,821.25	3,617.44	3,479.10	19.57	18.52	69.19	-1,427.09	491.38	1,168.26	1,132.40	35.86	32.579		
4,000.00	3,918.77	3,707.74	3,565.61	20.09	19.03	70.04	-1,452.92	489.91	1,189.79	1,153.00	36.79	32.339		
4,100.00	4,016.28	3,797.98	3,651.96	20.61	19.54	70.91	-1,479.98	487.49	1,212.08	1,174.36	37.72	32.131		
4,200.00	4,113.80	3,910.52	3,759.92	21.13	20.17	71.99	-1,510.59	483.68	1,233.93	1,195.07	38.86	31.752		
4,300.00	4,211.32	3,972.42	3,819.12	21.65	20.51	72.57	-1,528.48	481.43	1,257.01	1,217.48	39.53	31.802		
4,400.00	4,308.84	4,036.21	3,879.65	22.17	20.88	73.16	-1,548.46	478.69	1,282.85	1,242.66	40.19	31.921		
4,500.00	4,406.36	4,102.54	3,942.06	22.69	21.28	73.76	-1,570.65	475.49	1,311.15	1,270.29	40.86	32.088		
4,600.00	4,503.88	4,177.00	4,011.67	23.21	21.73	74.39	-1,596.83	471.77	1,341.42	1,299.80	41.62	32.231		
4,700.00	4,601.40	4,251.08	4,080.53	23.73	22.18	74.99	-1,623.91	468.11	1,373.25	1,330.88	42.37	32.411		
4,800.00	4,698.92	4,352.68	4,174.74	24.26	22.81	75.76	-1,661.66	463.50	1,405.82	1,362.35	43.47	32.342		
4,900.00	4,796.43	4,461.76	4,276.31	24.78	23.48	76.53	-1,701.19	459.09	1,437.53	1,392.88	44.65	32.194		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,571.30	4,378.71	25.30	24.15	77.27	-1,739.89	455.01	1,468.46	1,422.63	45.84	32.038		
5,100.00	4,991.47	4,685.70	4,486.19	25.82	24.84	78.00	-1,778.87	451.19	1,498.19	1,451.12	47.07	31.832		
5,200.00	5,088.99	4,795.15	4,589.38	26.34	25.49	78.68	-1,815.17	447.59	1,527.24	1,479.00	48.23	31.664		
5,300.00	5,186.51	4,913.71	4,701.69	26.87	26.19	79.39	-1,853.00	444.05	1,555.12	1,505.63	49.49	31.425		
5,400.00	5,284.03	5,048.12	4,829.83	27.39	26.96	80.15	-1,893.46	441.24	1,581.13	1,530.25	50.88	31.077		
5,500.00	5,381.55	5,150.27	4,927.76	27.91	27.53	80.74	-1,922.38	438.61	1,605.74	1,553.80	51.94	30.916		
5,600.00	5,479.07	5,239.93	5,013.63	28.43	28.03	81.24	-1,948.04	436.20	1,630.82	1,577.94	52.88	30.839		
5,700.00	5,576.58	5,334.70	5,104.36	28.96	28.57	81.74	-1,975.36	434.14	1,656.07	1,602.19	53.88	30.739		
5,800.00	5,674.10	5,481.41	5,244.99	29.48	29.39	82.45	-2,017.09	432.28	1,681.13	1,625.78	55.35	30.374		
5,900.00	5,771.62	5,577.66	5,337.81	30.00	29.92	82.89	-2,042.57	432.02	1,703.74	1,647.39	56.35	30.236		
6,000.00	5,869.14	5,657.49	5,414.66	30.53	30.36	83.25	-2,064.12	431.69	1,726.98	1,669.77	57.21	30.189		
6,100.00	5,966.66	5,751.73	5,505.26	31.05	30.88	83.66	-2,090.08	431.15	1,750.88	1,692.69	58.19	30.088		
6,200.00	6,064.18	5,813.22	5,564.24	31.58	31.23	83.92	-2,107.49	430.66	1,775.71	1,716.84	58.87	30.163		
6,300.00	6,161.70	5,905.27	5,652.14	32.10	31.74	84.35	-2,134.62	427.80	1,802.50	1,742.66	59.84	30.122		
6,400.00	6,259.22	5,995.86	5,739.11	32.62	32.25	84.81	-2,159.70	424.08	1,828.19	1,767.40	60.79	30.072		
6,500.00	6,356.74	6,055.38	5,795.89	33.15	32.59	85.09	-2,177.40	421.62	1,855.81	1,794.39	61.42	30.214		
6,600.00	6,454.25	6,600.00	5,923.00	33.67	35.69	85.66	-2,217.93	416.96	1,884.08	1,819.14	64.93	29.015		
6,623.48	6,477.15	6,252.96	5,984.40	33.80	33.72	85.92	-2,236.09	415.49	1,890.23	1,826.76	63.47	29.780		
6,650.00	6,503.12	6,268.49	5,999.33	33.93	33.81	80.93	-2,240.38	415.26	1,896.61	1,832.97	63.64	29.801		
6,700.00	6,552.50	6,297.96	6,027.58	34.16	33.97	63.03	-2,248.76	414.82	1,907.88	1,843.95	63.93	29.843		
6,750.00	6,602.21	6,325.00	6,053.41	34.36	34.12	25.83	-2,256.72	414.44	1,918.09	1,853.94	64.15	29.898		
6,800.00	6,651.92	6,359.52	6,086.29	34.54	34.32	-12.46	-2,267.22	413.91	1,927.16	1,862.74	64.42	29.914		
6,850.00	6,701.33	6,391.05	6,116.24	34.70	34.51	-31.63	-2,277.08	413.37	1,935.04	1,870.39	64.65	29.932		
6,900.00	6,750.14	6,423.67	6,147.13	34.86	34.70	-40.82	-2,287.56	412.73	1,941.71	1,876.83	64.88	29.928		
6,950.00	6,798.04	6,465.51	6,186.68	35.02	34.95	-46.06	-2,301.18	411.87	1,947.00	1,881.78	65.22	29.851		
7,000.00	6,844.75	6,506.34	6,225.24	35.19	35.19	-49.50	-2,314.57	411.00	1,950.86	1,885.29	65.57	29.752		
7,050.00	6,889.97	6,548.87	6,265.37	35.37	35.44	-52.08	-2,328.62	410.13	1,953.31	1,887.36	65.96	29.616		
7,100.00	6,933.42	6,589.95	6,304.11	35.57	35.69	-54.19	-2,342.27	409.40	1,954.41	1,888.06	66.35	29.457		
7,150.00	6,974.83	6,646.26	6,357.24	35.79	36.02	-56.34	-2,360.88	408.53	1,954.14	1,887.20	66.94	29.192		
7,200.00	7,013.96	6,707.92	6,415.66	36.02	36.38	-58.54	-2,380.61	407.63	1,952.30	1,884.68	67.62	28.872		
7,250.00	7,050.56	6,764.35	6,469.30	36.28	36.71	-60.65	-2,398.11	407.04	1,949.07	1,880.80	68.27	28.550		
7,300.00	7,084.39	6,812.03	6,514.75	36.57	36.98	-62.61	-2,412.54	406.80	1,944.74	1,875.88	68.86	28.240		
7,350.00	7,115.27	6,850.66	6,551.61	36.89	37.20	-64.39	-2,424.08	406.79	1,939.65	1,870.24	69.41	27.944		
7,400.00	7,142.99	6,884.93	6,584.35	37.25	37.40	-66.08	-2,434.22	406.94	1,934.05	1,864.09	69.97	27.643		
7,450.00	7,167.38	6,901.38	6,600.05	37.65	37.49	-67.31	-2,439.11	407.13	1,928.22	1,857.82	70.40	27.389		
7,500.00	7,188.30	6,913.92	6,612.00	38.08	37.57	-68.38	-2,442.92	407.41	1,922.41	1,851.56	70.85	27.133		
7,550.00	7,205.61	6,923.64	6,621.24	38.55	37.62	-69.33	-2,445.92	407.72	1,916.74	1,845.41	71.33	26.871		
7,600.00	7,219.20	6,930.67	6,627.91	39.06	37.66	-70.14	-2,448.11	407.98	1,911.31	1,839.47	71.84	26.606		
7,650.00	7,229.00	6,935.14	6,632.15	39.61	37.69	-70.82	-2,449.52	408.17	1,906.19	1,833.82	72.37	26.340		
7,700.00	7,234.95	6,937.21	6,634.11	40.18	37.70	-71.35	-2,450.17	408.26	1,901.44	1,828.52	72.93	26.074		
7,750.07	7,237.00	6,937.01	6,633.92	40.78	37.70	-71.74	-2,450.11	408.25	1,897.12	1,823.61	73.50	25.810		
7,800.00	7,237.09	6,935.77	6,632.75	41.41	37.69	-71.70	-2,449.72	408.20	1,893.68	1,819.57	74.11	25.554		
7,900.00	7,237.28	6,933.44	6,630.53	42.79	37.68	-71.63	-2,448.98	408.10	1,890.73	1,815.31	75.42	25.068		
7,905.76	7,237.29	6,933.31	6,630.41	42.87	37.68	-71.63	-2,448.94	408.09	1,890.72	1,815.22	75.51	25.040		
8,000.00	7,237.47	6,931.29	6,628.50	44.31	37.67	-71.57	-2,448.31	408.01	1,893.07	1,816.21	76.86	24.630		
8,100.00	7,237.65	6,929.30	6,626.61	45.97	37.65	-71.51	-2,447.69	407.93	1,900.67	1,822.29	78.38	24.250		
8,200.00	7,237.84	6,927.46	6,624.87	47.75	37.64	-71.45	-2,447.11	407.85	1,913.46	1,833.52	79.95	23.935		
8,300.00	7,238.02	6,925.76	6,623.25	49.63	37.63	-71.40	-2,446.58	407.79	1,931.36	1,849.82	81.53	23.688		
8,400.00	7,238.21	6,924.16	6,621.74	51.61	37.63	-71.35	-2,446.08	407.73	1,954.21	1,871.09	83.11	23.513		
8,500.00	7,238.40	6,922.68	6,620.32	53.66	37.62	-71.31	-2,445.62	407.68	1,981.84	1,897.18	84.66	23.410		
8,600.00	7,238.58	6,921.29	6,619.00	55.79	37.61	-71.27	-2,445.19	407.63	2,014.06	1,927.91	86.15	23.378 SF		
8,700.00	7,238.77	6,919.98	6,617.76	57.99	37.60	-71.23	-2,444.78	407.59	2,050.66	1,963.08	87.58	23.415		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,918.76	6,616.60	60.24	37.59	-71.19	-2,444.41	407.55	2,091.40	2,002.47	88.93	23.518		
8,900.00	7,239.14	6,917.61	6,615.50	62.54	37.59	-71.15	-2,444.05	407.52	2,136.05	2,045.85	90.19	23.683		
9,000.00	7,239.33	6,916.52	6,614.47	64.88	37.58	-71.12	-2,443.72	407.48	2,184.36	2,092.99	91.37	23.907		
9,100.00	7,239.52	6,915.49	6,613.49	67.27	37.58	-71.09	-2,443.40	407.45	2,236.10	2,143.65	92.46	24.185		
9,200.00	7,239.70	6,887.00	6,586.33	69.69	37.41	-70.23	-2,434.83	406.95	2,291.52	2,198.39	93.13	24.605		
9,300.00	7,239.89	6,887.00	6,586.33	72.15	37.41	-70.23	-2,434.83	406.95	2,349.40	2,255.34	94.06	24.978		
9,400.00	7,240.07	6,887.00	6,586.33	74.63	37.41	-70.23	-2,434.83	406.95	2,410.05	2,315.14	94.90	25.395		
9,500.00	7,240.26	6,887.00	6,586.33	77.14	37.41	-70.23	-2,434.83	406.95	2,473.25	2,377.58	95.67	25.852		
9,600.00	7,240.45	6,887.00	6,586.33	79.68	37.41	-70.23	-2,434.83	406.95	2,538.81	2,442.45	96.36	26.346		
9,700.00	7,240.63	6,887.00	6,586.33	82.23	37.41	-70.23	-2,434.83	406.95	2,606.57	2,509.58	96.99	26.874		
9,800.00	7,240.82	6,887.00	6,586.33	84.81	37.41	-70.23	-2,434.83	406.95	2,676.35	2,578.79	97.56	27.433		
9,900.00	7,241.01	6,887.00	6,586.33	87.40	37.41	-70.23	-2,434.83	406.95	2,747.99	2,649.92	98.07	28.020		
10,000.00	7,241.19	6,887.00	6,586.33	90.01	37.41	-70.23	-2,434.83	406.95	2,821.36	2,722.83	98.53	28.634		
10,100.00	7,241.38	6,887.00	6,586.33	92.64	37.41	-70.23	-2,434.83	406.95	2,896.33	2,797.38	98.95	29.272		
10,200.00	7,241.56	6,887.00	6,586.33	95.28	37.41	-70.23	-2,434.83	406.95	2,972.77	2,873.45	99.32	29.932		
10,300.00	7,241.75	6,887.00	6,586.33	97.93	37.41	-70.23	-2,434.83	406.95	3,050.57	2,950.92	99.65	30.612		
10,400.00	7,241.94	6,887.00	6,586.33	100.59	37.41	-70.23	-2,434.83	406.95	3,129.63	3,029.68	99.95	31.311		
10,500.00	7,242.12	6,887.00	6,586.33	103.26	37.41	-70.23	-2,434.83	406.95	3,209.86	3,109.64	100.22	32.027		
10,600.00	7,242.31	6,887.00	6,586.33	105.95	37.41	-70.23	-2,434.83	406.95	3,291.18	3,190.71	100.47	32.759		
10,700.00	7,242.50	6,887.00	6,586.33	108.64	37.41	-70.23	-2,434.83	406.95	3,373.50	3,272.81	100.68	33.506		
10,800.00	7,242.68	6,887.00	6,586.33	111.34	37.41	-70.23	-2,434.83	406.95	3,456.75	3,355.87	100.88	34.266		
10,900.00	7,242.87	6,887.00	6,586.33	114.05	37.41	-70.23	-2,434.83	406.95	3,540.86	3,439.81	101.06	35.039		
11,000.00	7,243.05	6,887.00	6,586.33	116.76	37.41	-70.23	-2,434.83	406.95	3,625.79	3,524.58	101.21	35.823		
11,100.00	7,243.24	6,887.00	6,586.33	119.49	37.41	-70.23	-2,434.83	406.95	3,711.47	3,610.11	101.36	36.618		
11,200.00	7,243.43	6,887.00	6,586.33	122.22	37.41	-70.23	-2,434.83	406.95	3,797.84	3,696.36	101.48	37.423		
11,300.00	7,243.61	6,887.00	6,586.33	124.95	37.41	-70.23	-2,434.83	406.95	3,884.87	3,783.27	101.60	38.237		
11,400.00	7,243.80	6,887.00	6,586.33	127.69	37.41	-70.23	-2,434.83	406.95	3,972.51	3,870.81	101.70	39.060		
11,500.00	7,243.99	6,887.00	6,586.33	130.44	37.41	-70.23	-2,434.83	406.95	4,060.72	3,958.93	101.80	39.890		
11,600.00	7,244.17	6,887.00	6,586.33	133.19	37.41	-70.23	-2,434.83	406.95	4,149.47	4,047.59	101.88	40.728		
11,700.00	7,244.36	6,887.00	6,586.33	135.94	37.41	-70.23	-2,434.83	406.95	4,238.72	4,136.76	101.96	41.573		
11,800.00	7,244.55	6,887.00	6,586.33	138.70	37.41	-70.23	-2,434.83	406.95	4,328.44	4,226.41	102.03	42.424		
11,900.00	7,244.73	6,887.00	6,586.33	141.47	37.41	-70.23	-2,434.83	406.95	4,418.60	4,316.50	102.09	43.281		
12,000.00	7,244.92	6,887.00	6,586.33	144.24	37.41	-70.23	-2,434.83	406.95	4,509.17	4,407.02	102.15	44.143		
12,100.00	7,245.10	6,887.00	6,586.33	147.01	37.41	-70.23	-2,434.83	406.95	4,600.14	4,497.93	102.20	45.011		
12,200.00	7,245.29	6,887.00	6,586.33	149.78	37.41	-70.23	-2,434.83	406.95	4,691.47	4,589.22	102.25	45.883		
12,300.00	7,245.48	6,887.00	6,586.33	152.56	37.41	-70.23	-2,434.83	406.95	4,783.15	4,680.86	102.29	46.760		
12,400.00	7,245.66	6,887.00	6,586.33	155.34	37.41	-70.23	-2,434.83	406.95	4,875.15	4,772.82	102.33	47.641		
12,500.00	7,245.85	6,887.00	6,586.33	158.12	37.41	-70.23	-2,434.83	406.95	4,967.47	4,865.10	102.37	48.525		
12,600.00	7,246.04	6,887.00	6,586.33	160.91	37.41	-70.23	-2,434.83	406.95	5,060.08	4,957.67	102.40	49.413		
12,700.00	7,246.22	6,887.00	6,586.33	163.70	37.41	-70.23	-2,434.83	406.95	5,152.96	5,050.53	102.43	50.305		
12,800.00	7,246.41	6,887.00	6,586.33	166.49	37.41	-70.23	-2,434.83	406.95	5,246.11	5,143.64	102.46	51.200		
12,900.00	7,246.59	6,887.00	6,586.33	169.28	37.41	-70.23	-2,434.83	406.95	5,339.50	5,237.01	102.49	52.097		
13,000.00	7,246.78	6,887.00	6,586.33	172.08	37.41	-70.23	-2,434.83	406.95	5,433.13	5,330.61	102.52	52.997		
13,100.00	7,246.97	6,887.00	6,586.33	174.88	37.41	-70.23	-2,434.83	406.95	5,526.98	5,424.44	102.54	53.900		
13,200.00	7,247.15	6,887.00	6,586.33	177.68	37.41	-70.23	-2,434.83	406.95	5,621.04	5,518.48	102.57	54.804		
13,300.00	7,247.34	6,887.00	6,586.33	180.48	37.41	-70.23	-2,434.83	406.95	5,715.31	5,612.72	102.59	55.711		
13,400.00	7,247.53	6,887.00	6,586.33	183.28	37.41	-70.23	-2,434.83	406.95	5,809.77	5,707.16	102.61	56.620		
13,500.00	7,247.71	6,887.00	6,586.33	186.09	37.41	-70.23	-2,434.83	406.95	5,904.41	5,801.78	102.63	57.531		
13,600.00	7,247.90	6,887.00	6,586.33	188.90	37.41	-70.23	-2,434.83	406.95	5,999.22	5,896.57	102.65	58.443		
13,700.00	7,248.08	6,887.00	6,586.33	191.70	37.41	-70.23	-2,434.83	406.95	6,094.20	5,991.53	102.67	59.357		
13,800.00	7,248.27	6,887.00	6,586.33	194.52	37.41	-70.23	-2,434.83	406.95	6,189.34	6,086.65	102.69	60.272		
13,900.00	7,248.46	6,887.00	6,586.33	197.33	37.41	-70.23	-2,434.83	406.95	6,284.63	6,181.92	102.71	61.189		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,887.00	6,586.33	200.14	37.41	-70.23	-2,434.83	406.95	6,380.06	6,277.33	102.73	62.106		
14,100.00	7,248.83	6,887.00	6,586.33	202.95	37.41	-70.23	-2,434.83	406.95	6,475.63	6,372.88	102.75	63.025		
14,200.00	7,249.02	6,887.00	6,586.33	205.77	37.41	-70.23	-2,434.83	406.95	6,571.33	6,468.57	102.77	63.944		
14,300.00	7,249.20	6,887.00	6,586.33	208.59	37.41	-70.23	-2,434.83	406.95	6,667.16	6,564.38	102.79	64.865		
14,400.00	7,249.39	6,887.00	6,586.33	211.41	37.41	-70.23	-2,434.83	406.95	6,763.11	6,660.31	102.80	65.786		
14,500.00	7,249.58	6,887.00	6,586.33	214.23	37.41	-70.23	-2,434.83	406.95	6,859.18	6,756.35	102.82	66.708		
14,600.00	7,249.76	6,887.00	6,586.33	217.05	37.41	-70.23	-2,434.83	406.95	6,955.35	6,852.51	102.84	67.630		
14,700.00	7,249.95	6,887.00	6,586.33	219.87	37.41	-70.23	-2,434.83	406.95	7,051.63	6,948.77	102.86	68.553		
14,800.00	7,250.13	6,887.00	6,586.33	222.69	37.41	-70.23	-2,434.83	406.95	7,148.02	7,045.13	102.88	69.476		
14,900.00	7,250.32	6,887.00	6,586.33	225.51	37.41	-70.23	-2,434.83	406.95	7,244.50	7,141.60	102.90	70.400		
15,000.00	7,250.51	6,887.00	6,586.33	228.34	37.41	-70.23	-2,434.83	406.95	7,341.08	7,238.15	102.93	71.324		
15,100.00	7,250.69	6,887.00	6,586.33	231.16	37.41	-70.23	-2,434.83	406.95	7,437.74	7,334.80	102.95	72.248		
15,200.00	7,250.88	6,887.00	6,586.33	233.99	37.41	-70.23	-2,434.83	406.95	7,534.50	7,431.53	102.97	73.172		
15,300.00	7,251.07	6,887.00	6,586.33	236.82	37.41	-70.23	-2,434.83	406.95	7,631.34	7,528.34	102.99	74.096		
15,400.00	7,251.25	6,887.00	6,586.33	239.65	37.41	-70.23	-2,434.83	406.95	7,728.25	7,625.24	103.02	75.020		
15,500.00	7,251.44	6,887.00	6,586.33	242.47	37.41	-70.23	-2,434.83	406.95	7,825.25	7,722.21	103.04	75.944		
15,600.00	7,251.62	6,887.00	6,586.33	245.30	37.41	-70.23	-2,434.83	406.95	7,922.32	7,819.26	103.06	76.868		
15,700.00	7,251.81	6,887.00	6,586.33	248.13	37.41	-70.23	-2,434.83	406.95	8,019.46	7,916.38	103.09	77.792		
15,800.00	7,252.00	6,887.00	6,586.33	250.97	37.41	-70.23	-2,434.83	406.95	8,116.68	8,013.56	103.11	78.716		
15,900.00	7,252.18	6,887.00	6,586.33	253.80	37.41	-70.23	-2,434.83	406.95	8,213.95	8,110.82	103.14	79.639		
16,000.00	7,252.37	6,887.00	6,586.33	256.63	37.41	-70.23	-2,434.83	406.95	8,311.30	8,208.13	103.17	80.562		
16,100.00	7,252.56	6,887.00	6,586.33	259.46	37.41	-70.23	-2,434.83	406.95	8,408.70	8,305.51	103.19	81.485		
16,200.00	7,252.74	6,887.00	6,586.33	262.30	37.41	-70.23	-2,434.83	406.95	8,506.17	8,402.95	103.22	82.407		
16,300.00	7,252.93	6,887.00	6,586.33	265.13	37.41	-70.23	-2,434.83	406.95	8,603.69	8,500.44	103.25	83.329		
16,400.00	7,253.11	6,887.00	6,586.33	267.96	37.41	-70.23	-2,434.83	406.95	8,701.28	8,598.00	103.28	84.250		
16,500.00	7,253.30	6,887.00	6,586.33	270.80	37.41	-70.23	-2,434.83	406.95	8,798.91	8,695.60	103.31	85.171		
16,600.00	7,253.49	6,887.00	6,586.33	273.64	37.41	-70.23	-2,434.83	406.95	8,896.60	8,793.26	103.34	86.091		
16,700.00	7,253.67	6,887.00	6,586.33	276.47	37.41	-70.23	-2,434.83	406.95	8,994.34	8,890.96	103.37	87.011		
16,800.00	7,253.86	6,887.00	6,586.33	279.31	37.41	-70.23	-2,434.83	406.95	9,092.12	8,988.72	103.40	87.929		
16,900.00	7,254.05	6,887.00	6,586.33	282.15	37.41	-70.23	-2,434.83	406.95	9,189.96	9,086.52	103.44	88.848		
17,000.00	7,254.23	6,887.00	6,586.33	284.98	37.41	-70.23	-2,434.83	406.95	9,287.84	9,184.37	103.47	89.765		
17,100.00	7,254.42	6,887.00	6,586.33	287.82	37.41	-70.23	-2,434.83	406.95	9,385.76	9,282.26	103.50	90.682		
17,200.00	7,254.61	6,887.00	6,586.33	290.66	37.41	-70.23	-2,434.83	406.95	9,483.73	9,380.20	103.54	91.598		
17,300.00	7,254.79	6,887.00	6,586.33	293.50	37.41	-70.23	-2,434.83	406.95	9,581.74	9,478.17	103.57	92.513		
17,400.00	7,254.98	6,887.00	6,586.33	296.34	37.41	-70.23	-2,434.83	406.95	9,679.80	9,576.19	103.61	93.427		
17,500.00	7,255.16	6,887.00	6,586.33	299.18	37.41	-70.23	-2,434.83	406.95	9,777.89	9,674.24	103.64	94.340		
17,600.00	7,255.35	6,887.00	6,586.33	302.02	37.41	-70.23	-2,434.83	406.95	9,876.02	9,772.33	103.68	95.253		
17,700.00	7,255.54	6,887.00	6,586.33	304.86	37.41	-70.23	-2,434.83	406.95	9,974.18	9,870.46	103.72	96.164		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	134.73	-502.74	507.54	714.47					
100.00	100.00	84.97	84.97	3.28	3.29	134.74	-503.05	507.56	714.63	708.06	6.57	108.769		
200.00	200.00	180.43	180.42	3.34	3.30	134.80	-504.17	507.64	715.51	708.87	6.64	107.732		
300.00	300.00	284.38	284.36	3.44	3.36	134.88	-505.74	507.83	716.72	709.91	6.81	105.265		
400.00	399.98	390.04	390.02	3.60	3.49	18.91	-505.53	508.22	715.18	708.09	7.09	100.890		
500.00	499.84	492.18	492.16	3.79	3.66	19.05	-505.04	508.26	709.92	702.46	7.45	95.233		
600.00	599.45	578.54	578.51	4.03	3.84	19.27	-504.93	508.74	702.01	694.14	7.87	89.239		
700.00	698.70	664.28	664.19	4.30	4.04	19.40	-504.61	512.03	692.92	684.58	8.34	83.042		
800.00	797.47	749.94	749.61	4.61	4.28	19.42	-503.73	518.25	682.50	673.62	8.88	76.871		
900.00	895.62	838.19	837.39	4.96	4.54	19.36	-502.58	527.30	670.72	661.25	9.47	70.836		
939.50	934.20	873.82	872.77	5.10	4.65	19.33	-502.11	531.46	665.56	655.84	9.72	68.488		
1,000.00	993.20	934.49	933.02	5.33	4.84	19.25	-501.54	538.53	657.41	647.29	10.12	64.942		
1,100.00	1,090.72	1,043.69	1,041.73	5.73	5.20	19.34	-501.95	548.77	643.29	632.45	10.84	59.322		
1,200.00	1,188.24	1,164.98	1,162.86	6.15	5.63	19.87	-503.33	554.61	626.53	614.90	11.63	53.861		
1,300.00	1,285.76	1,279.27	1,277.14	6.59	6.02	20.67	-503.65	555.51	606.40	594.00	12.41	48.883		
1,400.00	1,383.28	1,379.94	1,377.81	7.04	6.38	21.43	-502.92	555.14	584.91	571.75	13.16	44.460		
1,500.00	1,480.80	1,476.37	1,474.24	7.50	6.72	22.28	-502.55	554.28	563.42	549.51	13.91	40.492		
1,600.00	1,578.31	1,571.08	1,568.94	7.96	7.07	23.18	-502.36	553.62	542.33	527.64	14.69	36.925		
1,700.00	1,675.83	1,667.50	1,665.36	8.44	7.44	24.08	-502.10	553.90	521.95	506.47	15.48	33.712		
1,800.00	1,773.35	1,766.43	1,764.29	8.92	7.83	25.06	-501.45	554.09	501.36	485.06	16.30	30.764		
1,900.00	1,870.87	1,866.27	1,864.13	9.40	8.22	26.10	-500.71	554.52	481.00	463.88	17.12	28.092		
2,000.00	1,968.39	1,982.49	1,980.24	9.89	8.68	27.13	-496.11	555.12	458.38	440.42	17.96	25.523		
2,100.00	2,065.91	2,099.65	2,096.97	10.39	9.15	28.11	-486.36	553.68	431.45	412.70	18.75	23.005		
2,200.00	2,163.43	2,208.89	2,205.36	10.88	9.59	29.07	-473.26	550.11	400.60	381.08	19.52	20.521		
2,300.00	2,260.95	2,304.77	2,300.21	11.38	9.98	29.86	-459.57	547.04	368.10	347.77	20.33	18.105		
2,400.00	2,358.46	2,407.45	2,401.35	11.89	10.41	30.31	-441.99	545.47	334.35	313.26	21.09	15.856		
2,500.00	2,455.98	2,506.40	2,498.18	12.39	10.82	30.19	-421.67	545.52	298.78	276.94	21.84	13.678		
2,600.00	2,553.50	2,607.15	2,596.00	12.89	11.24	29.44	-397.55	546.06	260.81	238.28	22.53	11.575		
2,700.00	2,651.02	2,702.81	2,688.03	13.40	11.65	27.78	-371.49	547.23	220.75	197.49	23.26	9.491		
2,800.00	2,748.54	2,796.04	2,777.48	13.91	12.06	25.40	-345.26	547.71	179.84	155.83	24.01	7.489		
2,900.00	2,846.06	2,889.73	2,867.02	14.42	12.48	21.63	-317.67	546.87	137.53	112.82	24.71	5.566		
3,000.00	2,943.58	2,980.42	2,953.45	14.93	12.89	14.99	-290.31	544.69	94.63	69.09	25.54	3.706		
3,100.00	3,041.10	3,069.57	3,038.32	15.45	13.30	-1.66	-263.08	542.72	54.40	27.60	26.80	2.030		
3,200.00	3,138.61	3,159.64	3,124.11	15.96	13.72	-54.70	-235.81	539.97	30.35	0.93	29.42	1.032 Level 2		
3,201.25	3,139.84	3,160.77	3,125.19	15.97	13.72	-55.66	-235.47	539.93	30.34	0.90	29.44	1.030 Level 2, CC, ES, SF		
3,300.00	3,236.13	3,248.49	3,208.77	16.47	14.14	-106.39	-208.90	538.29	54.08	25.12	28.97	1.867		
3,400.00	3,333.65	3,339.78	3,295.98	16.99	14.57	-122.59	-181.93	537.17	93.40	63.98	29.42	3.175		
3,500.00	3,431.17	3,432.52	3,384.94	17.50	15.01	-128.86	-155.73	537.11	133.83	103.57	30.26	4.423		
3,600.00	3,528.69	3,525.94	3,474.88	18.02	15.46	-132.00	-130.53	538.10	173.49	142.32	31.17	5.566		
3,700.00	3,626.21	3,613.66	3,559.41	18.54	15.88	-134.27	-107.08	537.61	213.71	181.91	31.81	6.719		
3,800.00	3,723.73	3,707.99	3,650.34	19.06	16.33	-136.32	-82.07	535.52	254.55	221.78	32.76	7.769		
3,900.00	3,821.25	3,792.41	3,731.72	19.57	16.74	-137.80	-59.81	532.97	295.74	262.40	33.34	8.869		
4,000.00	3,918.77	3,878.98	3,814.56	20.09	17.16	-138.61	-34.71	531.32	338.87	304.81	34.06	9.950		
4,100.00	4,016.28	3,964.93	3,896.27	20.61	17.59	-138.79	-8.05	531.77	382.85	348.07	34.79	11.005		
4,200.00	4,113.80	4,056.81	3,983.30	21.13	18.05	-138.78	21.37	533.08	427.37	391.65	35.73	11.962		
4,300.00	4,211.32	4,155.66	4,077.38	21.65	18.55	-138.82	51.63	534.74	470.58	433.74	36.85	12.771		
4,400.00	4,308.84	4,253.28	4,171.02	22.17	19.03	-139.09	79.20	535.37	512.13	474.24	37.89	13.515		
4,500.00	4,406.36	4,349.33	4,263.56	22.69	19.51	-139.45	104.95	535.29	552.75	513.87	38.88	14.217		
4,600.00	4,503.88	4,432.47	4,343.75	23.21	19.92	-139.82	126.83	534.39	593.40	553.83	39.57	14.998		
4,700.00	4,601.40	4,518.29	4,426.22	23.73	20.35	-140.19	150.52	532.47	635.58	595.26	40.32	15.763		
4,800.00	4,698.92	4,605.09	4,509.68	24.26	20.78	-140.63	174.16	529.52	677.97	636.86	41.11	16.493		
4,900.00	4,796.43	4,693.33	4,594.24	24.78	21.23	-140.94	199.28	526.99	721.19	679.25	41.93	17.199		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,782.13	4,679.48	25.30	21.68	-141.25	224.01	524.22	764.02	721.25	42.77	17.863		
5,100.00	4,991.47	4,865.63	4,759.22	25.82	22.10	-141.43	248.68	522.02	808.04	764.53	43.51	18.571		
5,200.00	5,088.99	4,971.24	4,860.26	26.34	22.64	-141.51	279.39	521.38	850.82	806.12	44.70	19.034		
5,300.00	5,186.51	5,060.86	4,946.20	26.87	23.10	-141.63	304.78	520.29	893.27	847.71	45.56	19.605		
5,400.00	5,284.03	5,154.43	5,036.05	27.39	23.58	-141.79	330.86	518.66	935.57	889.07	46.50	20.120		
5,500.00	5,381.55	5,249.80	5,127.77	27.91	24.06	-141.97	356.92	516.71	977.54	930.08	47.47	20.595		
5,600.00	5,479.07	5,359.80	5,233.71	28.43	24.62	-142.11	386.48	515.69	1,018.73	970.05	48.67	20.931		
5,700.00	5,576.58	5,449.00	5,320.10	28.96	25.06	-142.26	408.68	514.75	1,058.26	1,008.74	49.52	21.370		
5,800.00	5,674.10	5,522.64	5,391.17	29.48	25.43	-142.41	427.90	512.94	1,099.37	1,049.26	50.11	21.937		
5,900.00	5,771.62	5,606.51	5,471.93	30.00	25.86	-142.58	450.36	510.33	1,141.38	1,090.50	50.88	22.432		
6,000.00	5,869.14	5,693.85	5,555.97	30.53	26.30	-142.78	473.88	506.94	1,183.86	1,132.16	51.71	22.895		
6,100.00	5,966.66	5,790.18	5,648.79	31.05	26.80	-142.99	499.36	503.16	1,225.97	1,173.29	52.68	23.271		
6,200.00	6,064.18	5,860.65	5,716.50	31.58	27.16	-143.10	518.78	500.70	1,268.80	1,215.57	53.24	23.833		
6,300.00	6,161.70	5,943.08	5,795.34	32.10	27.58	-143.18	542.67	498.12	1,312.67	1,258.67	54.00	24.309		
6,400.00	6,259.22	6,036.74	5,884.83	32.62	28.07	-143.25	570.20	495.58	1,356.69	1,301.74	54.95	24.690		
6,500.00	6,356.74	6,167.60	6,010.37	33.15	28.75	-143.30	607.06	493.75	1,399.10	1,342.63	56.47	24.776		
6,600.00	6,454.25	6,251.97	6,091.69	33.67	29.18	-143.37	629.50	492.31	1,440.38	1,383.11	57.26	25.153		
6,623.48	6,477.15	6,266.82	6,105.99	33.80	29.26	-143.38	633.48	491.93	1,450.19	1,392.82	57.38	25.275		
6,650.00	6,503.12	6,283.60	6,122.12	33.93	29.34	-149.94	638.05	491.49	1,461.16	1,403.66	57.50	25.412		
6,700.00	6,552.50	6,315.35	6,152.60	34.16	29.51	-170.44	646.94	490.61	1,480.88	1,423.16	57.71	25.659		
6,750.00	6,602.21	6,350.83	6,186.54	34.36	29.69	-150.18	657.19	489.54	1,499.23	1,441.26	57.97	25.862		
6,800.00	6,651.92	6,392.25	6,226.14	34.54	29.91	-110.23	669.30	488.22	1,515.94	1,457.63	58.31	25.999		
6,850.00	6,701.33	6,443.14	6,274.74	34.70	30.17	-89.94	684.29	486.55	1,530.89	1,472.09	58.79	26.038		
6,900.00	6,750.14	6,535.22	6,363.03	34.86	30.65	-80.72	710.40	485.76	1,542.84	1,482.93	59.90	25.755		
6,950.00	6,798.04	6,580.48	6,406.58	35.02	30.88	-75.39	722.69	485.54	1,552.48	1,492.16	60.32	25.738		
7,000.00	6,844.75	6,614.00	6,438.90	35.19	31.06	-72.05	731.59	484.98	1,560.35	1,499.77	60.58	25.757		
7,050.00	6,889.97	6,648.80	6,472.41	35.37	31.24	-69.98	740.94	484.18	1,566.75	1,505.87	60.88	25.733		
7,100.00	6,933.42	6,675.31	6,497.85	35.57	31.37	-68.55	748.34	483.49	1,571.94	1,510.84	61.10	25.729		
7,150.00	6,974.83	6,709.00	6,530.09	35.79	31.55	-67.84	758.08	482.54	1,575.99	1,514.54	61.45	25.645		
7,200.00	7,013.96	6,751.41	6,570.63	36.02	31.77	-67.79	770.52	481.79	1,578.68	1,516.69	62.00	25.463		
7,250.00	7,050.56	6,809.92	6,626.62	36.28	32.07	-68.58	787.47	482.42	1,579.64	1,516.80	62.85	25.135		
7,300.00	7,084.39	6,834.60	6,650.12	36.57	32.20	-68.77	794.87	483.85	1,579.43	1,516.18	63.26	24.968		
7,350.00	7,115.27	6,855.74	6,670.09	36.89	32.31	-69.07	801.50	485.92	1,578.51	1,514.82	63.69	24.784		
7,400.00	7,142.99	6,871.62	6,684.96	37.25	32.39	-69.36	806.64	488.00	1,577.07	1,512.95	64.12	24.594		
7,450.00	7,167.38	6,883.04	6,695.59	37.65	32.45	-69.62	810.43	489.77	1,575.27	1,510.70	64.57	24.395		
7,500.00	7,188.30	6,898.00	6,709.41	38.08	32.52	-70.09	815.50	492.44	1,573.23	1,508.06	65.17	24.141		
7,550.00	7,205.61	6,898.00	6,709.41	38.55	32.52	-70.10	815.50	492.44	1,570.96	1,505.36	65.60	23.946		
7,600.00	7,219.20	6,898.00	6,709.41	39.06	32.52	-70.17	815.50	492.44	1,568.57	1,502.45	66.12	23.722		
7,650.00	7,229.00	6,898.00	6,709.41	39.61	32.52	-70.28	815.50	492.44	1,566.07	1,499.35	66.72	23.471		
7,700.00	7,234.95	6,898.00	6,709.41	40.18	32.52	-70.44	815.50	492.44	1,563.48	1,496.08	67.40	23.197		
7,750.07	7,237.00	6,898.00	6,709.41	40.78	32.52	-70.64	815.50	492.44	1,560.81	1,492.67	68.15	22.904		
7,800.00	7,237.09	6,898.00	6,709.41	41.41	32.52	-70.64	815.50	492.44	1,558.92	1,489.98	68.94	22.613		
7,834.30	7,237.16	6,898.00	6,709.41	41.88	32.52	-70.64	815.50	492.44	1,558.54	1,489.02	69.52	22.419		
7,900.00	7,237.28	6,898.00	6,709.41	42.79	32.52	-70.64	815.50	492.44	1,559.92	1,489.30	70.62	22.089		
8,000.00	7,237.47	6,872.20	6,685.51	44.31	32.39	-69.70	806.83	488.08	1,566.82	1,494.92	71.90	21.791		
8,100.00	7,237.65	6,866.58	6,680.26	45.97	32.36	-69.50	804.99	487.29	1,580.23	1,506.64	73.58	21.475		
8,200.00	7,237.84	6,861.69	6,675.68	47.75	32.34	-69.32	803.41	486.65	1,599.75	1,524.48	75.26	21.256		
8,300.00	7,238.02	6,857.40	6,671.65	49.63	32.32	-69.16	802.03	486.12	1,625.16	1,548.26	76.89	21.135		
8,400.00	7,238.21	6,853.61	6,668.09	51.61	32.30	-69.02	800.82	485.68	1,656.20	1,577.75	78.45	21.111		
8,500.00	7,238.40	6,850.24	6,664.91	53.66	32.28	-68.90	799.75	485.30	1,692.56	1,612.65	79.91	21.181		
8,600.00	7,238.58	6,847.21	6,662.05	55.79	32.27	-68.79	798.79	484.99	1,733.92	1,652.66	81.26	21.338		
8,700.00	7,238.77	6,844.48	6,659.48	57.99	32.25	-68.69	797.94	484.72	1,779.92	1,697.43	82.49	21.577		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,842.01	6,657.14	60.24	32.24	68.60	797.17	484.48	1,830.23	1,746.62	83.60	21.892		
8,900.00	7,239.14	6,839.77	6,655.02	62.54	32.23	68.52	796.47	484.28	1,884.49	1,799.89	84.60	22.276		
9,000.00	7,239.33	6,837.71	6,653.07	64.88	32.22	68.44	795.83	484.10	1,942.37	1,856.89	85.48	22.723		
9,100.00	7,239.52	6,804.00	6,620.95	67.27	32.04	67.21	785.77	482.27	2,004.67	1,918.91	85.75	23.377		
9,200.00	7,239.70	6,804.00	6,620.95	69.69	32.04	67.21	785.77	482.27	2,068.78	1,982.30	86.48	23.923		
9,300.00	7,239.89	6,804.00	6,620.95	72.15	32.04	67.21	785.77	482.27	2,135.65	2,048.54	87.11	24.517		
9,400.00	7,240.07	6,804.00	6,620.95	74.63	32.04	67.21	785.77	482.27	2,205.03	2,117.37	87.66	25.154		
9,500.00	7,240.26	6,804.00	6,620.95	77.14	32.04	67.21	785.77	482.27	2,276.69	2,188.55	88.14	25.830		
9,600.00	7,240.45	6,804.00	6,620.95	79.68	32.04	67.21	785.77	482.27	2,350.43	2,261.87	88.56	26.540		
9,700.00	7,240.63	6,804.00	6,620.95	82.23	32.04	67.21	785.77	482.27	2,426.04	2,337.12	88.92	27.283		
9,800.00	7,240.82	6,804.00	6,620.95	84.81	32.04	67.21	785.77	482.27	2,503.36	2,414.13	89.23	28.054		
9,900.00	7,241.01	6,804.00	6,620.95	87.40	32.04	67.21	785.77	482.27	2,582.24	2,492.74	89.50	28.851		
10,000.00	7,241.19	6,804.00	6,620.95	90.01	32.04	67.21	785.77	482.27	2,662.54	2,572.81	89.74	29.671		
10,100.00	7,241.38	6,804.00	6,620.95	92.64	32.04	67.21	785.77	482.27	2,744.14	2,654.20	89.94	30.512		
10,200.00	7,241.56	6,804.00	6,620.95	95.28	32.04	67.21	785.77	482.27	2,826.92	2,736.81	90.11	31.373		
10,300.00	7,241.75	6,804.00	6,620.95	97.93	32.04	67.21	785.77	482.27	2,910.78	2,820.52	90.25	32.251		
10,400.00	7,241.94	6,804.00	6,620.95	100.59	32.04	67.21	785.77	482.27	2,995.63	2,905.25	90.38	33.145		
10,500.00	7,242.12	6,804.00	6,620.95	103.26	32.04	67.21	785.77	482.27	3,081.39	2,990.90	90.48	34.054		
10,600.00	7,242.31	6,804.00	6,620.95	105.95	32.04	67.21	785.77	482.27	3,167.98	3,077.41	90.58	34.976		
10,700.00	7,242.50	6,804.00	6,620.95	108.64	32.04	67.21	785.77	482.27	3,255.35	3,164.69	90.65	35.910		
10,800.00	7,242.68	6,804.00	6,620.95	111.34	32.04	67.21	785.77	482.27	3,343.42	3,252.70	90.72	36.855		
10,900.00	7,242.87	6,804.00	6,620.95	114.05	32.04	67.21	785.77	482.27	3,432.14	3,341.37	90.77	37.811		
11,000.00	7,243.05	6,804.00	6,620.95	116.76	32.04	67.21	785.77	482.27	3,521.47	3,430.65	90.82	38.775		
11,100.00	7,243.24	6,804.00	6,620.95	119.49	32.04	67.21	785.77	482.27	3,611.36	3,520.50	90.86	39.748		
11,200.00	7,243.43	6,804.00	6,620.95	122.22	32.04	67.21	785.77	482.27	3,701.77	3,610.88	90.89	40.729		
11,300.00	7,243.61	6,804.00	6,620.95	124.95	32.04	67.21	785.77	482.27	3,792.66	3,701.74	90.91	41.717		
11,400.00	7,243.80	6,804.00	6,620.95	127.69	32.04	67.21	785.77	482.27	3,883.99	3,793.06	90.93	42.712		
11,500.00	7,243.99	6,804.00	6,620.95	130.44	32.04	67.21	785.77	482.27	3,975.75	3,884.80	90.95	43.713		
11,600.00	7,244.17	6,804.00	6,620.95	133.19	32.04	67.21	785.77	482.27	4,067.89	3,976.92	90.96	44.719		
11,700.00	7,244.36	6,804.00	6,620.95	135.94	32.04	67.21	785.77	482.27	4,160.39	4,069.42	90.98	45.731		
11,800.00	7,244.55	6,804.00	6,620.95	138.70	32.04	67.21	785.77	482.27	4,253.24	4,162.26	90.98	46.747		
11,900.00	7,244.73	6,804.00	6,620.95	141.47	32.04	67.21	785.77	482.27	4,346.40	4,255.41	90.99	47.768		
12,000.00	7,244.92	6,804.00	6,620.95	144.24	32.04	67.21	785.77	482.27	4,439.86	4,348.87	90.99	48.792		
12,100.00	7,245.10	6,804.00	6,620.95	147.01	32.04	67.21	785.77	482.27	4,533.60	4,442.60	91.00	49.821		
12,200.00	7,245.29	6,804.00	6,620.95	149.78	32.04	67.21	785.77	482.27	4,627.60	4,536.60	91.00	50.852		
12,300.00	7,245.48	6,804.00	6,620.95	152.56	32.04	67.21	785.77	482.27	4,721.85	4,630.85	91.00	51.887		
12,400.00	7,245.66	6,804.00	6,620.95	155.34	32.04	67.21	785.77	482.27	4,816.33	4,725.32	91.00	52.924		
12,500.00	7,245.85	6,804.00	6,620.95	158.12	32.04	67.21	785.77	482.27	4,911.03	4,820.02	91.01	53.964		
12,600.00	7,246.04	6,804.00	6,620.95	160.91	32.04	67.21	785.77	482.27	5,005.93	4,914.92	91.01	55.007		
12,700.00	7,246.22	6,804.00	6,620.95	163.70	32.04	67.21	785.77	482.27	5,101.03	5,010.02	91.01	56.051		
12,800.00	7,246.41	6,804.00	6,620.95	166.49	32.04	67.21	785.77	482.27	5,196.31	5,105.30	91.01	57.097		
12,900.00	7,246.59	6,804.00	6,620.95	169.28	32.04	67.21	785.77	482.27	5,291.77	5,200.76	91.01	58.145		
13,000.00	7,246.78	6,804.00	6,620.95	172.08	32.04	67.21	785.77	482.27	5,387.39	5,296.38	91.01	59.195		
13,100.00	7,246.97	6,804.00	6,620.95	174.88	32.04	67.21	785.77	482.27	5,483.17	5,392.16	91.01	60.246		
13,200.00	7,247.15	6,804.00	6,620.95	177.68	32.04	67.21	785.77	482.27	5,579.10	5,488.08	91.02	61.298		
13,300.00	7,247.34	6,804.00	6,620.95	180.48	32.04	67.21	785.77	482.27	5,675.16	5,584.14	91.02	62.352		
13,400.00	7,247.53	6,804.00	6,620.95	183.28	32.04	67.21	785.77	482.27	5,771.36	5,680.34	91.02	63.406		
13,500.00	7,247.71	6,804.00	6,620.95	186.09	32.04	67.21	785.77	482.27	5,867.69	5,776.66	91.03	64.461		
13,600.00	7,247.90	6,804.00	6,620.95	188.90	32.04	67.21	785.77	482.27	5,964.14	5,873.11	91.03	65.517		
13,700.00	7,248.08	6,804.00	6,620.95	191.70	32.04	67.21	785.77	482.27	6,060.70	5,969.66	91.04	66.573		
13,800.00	7,248.27	6,804.00	6,620.95	194.52	32.04	67.21	785.77	482.27	6,157.38	6,066.33	91.05	67.630		
13,900.00	7,248.46	6,804.00	6,620.95	197.33	32.04	67.21	785.77	482.27	6,254.15	6,163.10	91.05	68.687		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,804.00	6,620.95	200.14	32.04	67.21	785.77	482.27	6,351.03	6,259.97	91.06	69.744		
14,100.00	7,248.83	6,804.00	6,620.95	202.95	32.04	67.21	785.77	482.27	6,448.00	6,356.93	91.07	70.802		
14,200.00	7,249.02	6,804.00	6,620.95	205.77	32.04	67.21	785.77	482.27	6,545.07	6,453.99	91.08	71.860		
14,300.00	7,249.20	6,804.00	6,620.95	208.59	32.04	67.21	785.77	482.27	6,642.22	6,551.13	91.09	72.917		
14,400.00	7,249.39	6,804.00	6,620.95	211.41	32.04	67.21	785.77	482.27	6,739.45	6,648.35	91.10	73.975		
14,500.00	7,249.58	6,804.00	6,620.95	214.23	32.04	67.21	785.77	482.27	6,836.77	6,745.65	91.12	75.032		
14,600.00	7,249.76	6,804.00	6,620.95	217.05	32.04	67.21	785.77	482.27	6,934.16	6,843.03	91.13	76.089		
14,700.00	7,249.95	6,804.00	6,620.95	219.87	32.04	67.21	785.77	482.27	7,031.62	6,940.48	91.15	77.146		
14,800.00	7,250.13	6,804.00	6,620.95	222.69	32.04	67.21	785.77	482.27	7,129.16	7,037.99	91.16	78.202		
14,900.00	7,250.32	6,804.00	6,620.95	225.51	32.04	67.21	785.77	482.27	7,226.76	7,135.58	91.18	79.258		
15,000.00	7,250.51	6,804.00	6,620.95	228.34	32.04	67.21	785.77	482.27	7,324.43	7,233.23	91.20	80.313		
15,100.00	7,250.69	6,804.00	6,620.95	231.16	32.04	67.21	785.77	482.27	7,422.15	7,330.94	91.22	81.368		
15,200.00	7,250.88	6,804.00	6,620.95	233.99	32.04	67.21	785.77	482.27	7,519.94	7,428.70	91.24	82.422		
15,300.00	7,251.07	6,804.00	6,620.95	236.82	32.04	67.21	785.77	482.27	7,617.79	7,526.53	91.26	83.475		
15,400.00	7,251.25	6,804.00	6,620.95	239.65	32.04	67.21	785.77	482.27	7,715.69	7,624.41	91.28	84.528		
15,500.00	7,251.44	6,804.00	6,620.95	242.47	32.04	67.21	785.77	482.27	7,813.64	7,722.34	91.30	85.580		
15,600.00	7,251.62	6,804.00	6,620.95	245.30	32.04	67.21	785.77	482.27	7,911.65	7,820.32	91.33	86.630		
15,700.00	7,251.81	6,804.00	6,620.95	248.13	32.04	67.21	785.77	482.27	8,009.70	7,918.35	91.35	87.680		
15,800.00	7,252.00	6,804.00	6,620.95	250.97	32.04	67.21	785.77	482.27	8,107.80	8,016.43	91.38	88.729		
15,900.00	7,252.18	6,804.00	6,620.95	253.80	32.04	67.21	785.77	482.27	8,205.95	8,114.55	91.40	89.777		
16,000.00	7,252.37	6,804.00	6,620.95	256.63	32.04	67.21	785.77	482.27	8,304.14	8,212.71	91.43	90.824		
16,100.00	7,252.56	6,804.00	6,620.95	259.46	32.04	67.21	785.77	482.27	8,402.38	8,310.92	91.46	91.870		
16,200.00	7,252.74	6,804.00	6,620.95	262.30	32.04	67.21	785.77	482.27	8,500.66	8,409.17	91.49	92.914		
16,300.00	7,252.93	6,804.00	6,620.95	265.13	32.04	67.21	785.77	482.27	8,598.97	8,507.45	91.52	93.958		
16,400.00	7,253.11	6,804.00	6,620.95	267.96	32.04	67.21	785.77	482.27	8,697.32	8,605.77	91.55	95.000		
16,500.00	7,253.30	6,804.00	6,620.95	270.80	32.04	67.21	785.77	482.27	8,795.72	8,704.13	91.58	96.041		
16,600.00	7,253.49	6,804.00	6,620.95	273.64	32.04	67.21	785.77	482.27	8,894.14	8,802.53	91.62	97.080		
16,700.00	7,253.67	6,804.00	6,620.95	276.47	32.04	67.21	785.77	482.27	8,992.61	8,900.95	91.65	98.118		
16,800.00	7,253.86	6,804.00	6,620.95	279.31	32.04	67.21	785.77	482.27	9,091.10	8,999.41	91.69	99.155		
16,900.00	7,254.05	6,804.00	6,620.95	282.15	32.04	67.21	785.77	482.27	9,189.63	9,097.91	91.72	100.191		
17,000.00	7,254.23	6,804.00	6,620.95	284.98	32.04	67.21	785.77	482.27	9,288.19	9,196.43	91.76	101.225		
17,100.00	7,254.42	6,804.00	6,620.95	287.82	32.04	67.21	785.77	482.27	9,386.78	9,294.98	91.80	102.257		
17,200.00	7,254.61	6,804.00	6,620.95	290.66	32.04	67.21	785.77	482.27	9,485.40	9,393.56	91.83	103.288		
17,300.00	7,254.79	6,804.00	6,620.95	293.50	32.04	67.21	785.77	482.27	9,584.04	9,492.17	91.87	104.317		
17,400.00	7,254.98	6,804.00	6,620.95	296.34	32.04	67.21	785.77	482.27	9,682.72	9,590.81	91.91	105.345		
17,500.00	7,255.16	6,804.00	6,620.95	299.18	32.04	67.21	785.77	482.27	9,781.42	9,689.47	91.96	106.372		
17,600.00	7,255.35	6,804.00	6,620.95	302.02	32.04	67.21	785.77	482.27	9,880.15	9,788.15	92.00	107.396		
17,700.00	7,255.54	6,804.00	6,620.95	304.86	32.04	67.21	785.77	482.27	9,978.91	9,886.87	92.04	108.419		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	133.56	-482.70	507.54	700.51					
100.00	100.00	96.90	96.90	3.28	3.29	133.51	-481.85	507.59	699.92	693.35	6.57	106.497		
200.00	200.00	205.71	205.66	3.34	3.31	133.32	-478.88	507.76	698.16	691.51	6.65	104.971		
300.00	300.00	300.62	300.51	3.44	3.38	133.09	-475.38	508.14	695.93	689.10	6.83	101.945		
400.00	399.98	388.51	388.38	3.60	3.49	17.02	-473.76	508.63	693.42	686.33	7.09	97.816		
500.00	499.84	476.73	476.58	3.79	3.63	17.20	-474.74	508.88	689.38	681.95	7.43	92.792		
600.00	599.45	575.48	575.31	4.03	3.83	17.49	-476.50	510.09	683.16	675.30	7.86	86.885		
700.00	698.70	671.79	671.58	4.30	4.06	17.67	-476.27	512.98	673.55	665.19	8.36	80.522		
800.00	797.47	765.18	764.78	4.61	4.32	17.67	-474.30	518.49	661.44	652.52	8.92	74.150		
900.00	895.62	857.48	856.61	4.96	4.60	17.48	-470.50	526.88	646.96	637.44	9.52	67.927		
939.50	934.20	894.53	893.38	5.10	4.71	17.35	-468.60	530.95	640.62	630.84	9.78	65.506		
1,000.00	993.20	953.43	951.87	5.33	4.90	17.12	-465.78	537.37	630.62	620.43	10.18	61.938		
1,100.00	1,090.72	1,052.84	1,050.70	5.73	5.24	16.82	-461.95	547.38	614.12	603.25	10.88	56.460		
1,200.00	1,188.24	1,164.86	1,162.30	6.15	5.63	16.67	-458.38	556.31	596.58	584.94	11.64	51.257		
1,300.00	1,285.76	1,271.87	1,269.15	6.59	6.02	16.81	-455.77	561.48	577.24	564.83	12.41	46.531		
1,400.00	1,383.28	1,384.37	1,381.62	7.04	6.43	17.36	-453.81	562.32	555.37	542.18	13.19	42.100		
1,500.00	1,480.80	1,483.56	1,480.77	7.50	6.78	18.25	-453.53	559.83	532.27	518.32	13.95	38.155		
1,600.00	1,578.31	1,576.91	1,574.08	7.96	7.12	19.30	-454.20	556.82	509.49	494.77	14.71	34.633		
1,700.00	1,675.83	1,670.19	1,667.34	8.44	7.47	20.27	-454.57	555.37	487.79	472.30	15.49	31.494		
1,800.00	1,773.35	1,768.16	1,765.30	8.92	7.84	21.26	-454.46	554.79	466.55	450.26	16.29	28.640		
1,900.00	1,870.87	1,870.51	1,867.65	9.40	8.24	22.27	-453.40	554.50	444.99	427.88	17.11	26.009		
2,000.00	1,968.39	1,976.24	1,973.31	9.89	8.66	23.25	-449.84	553.83	421.62	403.69	17.93	23.509		
2,100.00	2,065.91	2,081.84	2,078.74	10.39	9.08	24.10	-443.78	553.26	396.70	377.94	18.75	21.153		
2,200.00	2,163.43	2,187.29	2,183.76	10.88	9.51	24.75	-434.34	552.44	369.30	349.75	19.56	18.882		
2,300.00	2,260.95	2,291.42	2,287.12	11.38	9.94	25.14	-421.83	551.68	339.71	319.36	20.35	16.696		
2,400.00	2,358.46	2,391.02	2,385.59	11.89	10.35	25.14	-406.88	551.43	308.20	287.06	21.14	14.579		
2,500.00	2,455.98	2,490.90	2,484.02	12.39	10.76	24.87	-389.93	551.07	275.19	253.27	21.91	12.559		
2,600.00	2,553.50	2,591.69	2,582.85	12.89	11.18	24.19	-370.19	550.21	239.97	217.34	22.63	10.603		
2,700.00	2,651.02	2,691.17	2,679.29	13.40	11.60	21.97	-345.88	550.56	202.09	178.78	23.31	8.670		
2,800.00	2,748.54	2,789.54	2,772.87	13.91	12.03	16.51	-315.65	552.33	161.35	137.42	23.94	6.741		
2,900.00	2,846.06	2,883.38	2,859.87	14.42	12.46	5.07	-280.56	553.57	118.46	93.70	24.76	4.784		
3,000.00	2,943.58	2,969.77	2,938.44	14.93	12.86	-17.12	-244.66	554.36	81.83	55.31	26.52	3.085		
3,086.58	3,028.00	3,044.76	3,006.74	15.38	13.22	-47.61	-213.71	553.95	68.71	40.52	28.19	2.437 CC, ES, SF		
3,100.00	3,041.10	3,056.48	3,017.47	15.45	13.28	-52.74	-209.01	553.74	69.05	40.73	28.32	2.438		
3,200.00	3,138.61	3,143.41	3,097.51	15.96	13.70	-84.50	-175.12	552.15	89.85	61.49	28.36	3.168		
3,300.00	3,236.13	3,228.54	3,176.12	16.47	14.12	-102.38	-142.48	550.27	128.64	100.34	28.30	4.546		
3,400.00	3,333.65	3,319.77	3,260.70	16.99	14.58	-112.77	-108.40	548.18	173.10	144.04	29.06	5.956		
3,500.00	3,431.17	3,411.84	3,347.06	17.50	15.04	-118.94	-76.53	546.27	217.56	187.62	29.94	7.266		
3,600.00	3,528.69	3,506.65	3,436.71	18.02	15.51	-123.10	-45.74	544.62	261.29	230.34	30.95	8.443		
3,700.00	3,626.21	3,604.01	3,529.43	18.54	15.99	-125.70	-16.08	545.36	303.36	271.34	32.02	9.473		
3,800.00	3,723.73	3,687.43	3,608.75	19.06	16.41	-126.93	9.55	548.51	345.37	312.73	32.64	10.582		
3,900.00	3,821.25	3,765.39	3,682.18	19.57	16.81	-127.75	35.56	551.46	389.92	356.80	33.12	11.774		
4,000.00	3,918.77	3,837.42	3,749.33	20.09	17.18	-128.50	61.60	552.77	437.54	404.10	33.44	13.084		
4,100.00	4,016.28	3,904.84	3,811.26	20.61	17.54	-129.19	88.22	552.50	488.74	455.09	33.66	14.522		
4,200.00	4,113.80	3,970.79	3,870.96	21.13	17.90	-129.85	116.18	550.89	543.12	509.24	33.88	16.032		
4,300.00	4,211.32	4,031.92	3,925.45	21.65	18.24	-130.42	143.78	548.31	600.46	566.47	34.00	17.662		
4,400.00	4,308.84	4,092.46	3,978.43	22.17	18.59	-130.93	172.87	544.97	660.69	626.53	34.16	19.343		
4,500.00	4,406.36	4,158.15	4,035.20	22.69	18.97	-131.40	205.66	540.99	722.75	688.21	34.54	20.926		
4,600.00	4,503.88	4,249.30	4,113.82	23.21	19.51	-131.89	251.51	535.86	785.07	749.34	35.72	21.976		
4,700.00	4,601.40	4,402.97	4,250.51	23.73	20.41	-132.70	321.16	528.36	842.92	804.45	38.47	21.913		
4,800.00	4,698.92	4,563.27	4,399.01	24.26	21.30	-133.57	381.10	522.55	893.56	852.64	40.93	21.833		
4,900.00	4,796.43	4,678.72	4,508.41	24.78	21.92	-134.26	417.72	518.32	939.32	897.03	42.28	22.214		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,784.06	4,609.03	25.30	22.47	-134.80	448.79	515.74	982.71	939.28	43.42	22.631		
5,100.00	4,991.47	4,875.81	4,696.85	25.82	22.95	-135.25	475.24	513.36	1,025.67	981.34	44.33	23.138		
5,200.00	5,088.99	4,967.27	4,784.40	26.34	23.43	-135.65	501.59	511.27	1,068.55	1,023.32	45.23	23.625		
5,300.00	5,186.51	5,058.54	4,871.76	26.87	23.91	-135.98	527.99	509.74	1,111.35	1,065.22	46.13	24.091		
5,400.00	5,284.03	5,135.06	4,944.83	27.39	24.31	-136.17	550.73	509.71	1,154.36	1,107.55	46.81	24.660		
5,500.00	5,381.55	5,191.63	4,998.30	27.91	24.61	-136.23	569.16	510.27	1,199.48	1,152.31	47.17	25.429		
5,600.00	5,479.07	5,255.09	5,057.67	28.43	24.96	-136.25	591.57	511.21	1,246.79	1,199.15	47.64	26.171		
5,700.00	5,576.58	5,325.93	5,123.45	28.96	25.36	-136.24	617.84	512.22	1,295.63	1,247.38	48.24	26.856		
5,800.00	5,674.10	5,426.13	5,216.32	29.48	25.92	-136.22	655.42	513.70	1,344.92	1,295.56	49.36	27.247		
5,900.00	5,771.62	5,544.09	5,326.89	30.00	26.58	-136.27	696.48	515.12	1,391.75	1,341.00	50.75	27.424		
6,000.00	5,869.14	5,658.37	5,434.48	30.53	27.20	-136.33	734.96	516.74	1,437.73	1,385.68	52.04	27.626		
6,100.00	5,966.66	5,745.30	5,516.63	31.05	27.68	-136.37	763.33	518.46	1,482.56	1,429.65	52.91	28.020		
6,200.00	6,064.18	5,809.41	5,577.11	31.58	28.03	-136.42	784.57	519.12	1,528.20	1,474.76	53.44	28.599		
6,300.00	6,161.70	5,869.43	5,633.34	32.10	28.36	-136.45	805.59	519.39	1,575.58	1,521.69	53.89	29.235		
6,400.00	6,259.22	5,957.40	5,715.58	32.62	28.86	-136.52	836.79	519.07	1,623.67	1,568.88	54.79	29.632		
6,500.00	6,356.74	6,027.35	5,780.90	33.15	29.25	-136.58	861.82	518.41	1,672.23	1,616.81	55.41	30.177		
6,600.00	6,454.25	6,107.52	5,855.54	33.67	29.71	-136.65	891.04	517.32	1,721.50	1,665.30	56.20	30.633		
6,623.48	6,477.15	6,127.43	5,874.09	33.80	29.82	-136.68	898.27	516.92	1,733.09	1,676.69	56.40	30.729		
6,650.00	6,503.12	6,156.22	5,900.92	33.93	29.98	-143.52	908.68	516.27	1,746.01	1,689.29	56.72	30.783		
6,700.00	6,552.50	6,238.45	5,977.98	34.16	30.44	-164.39	937.33	514.49	1,768.78	1,711.05	57.73	30.639		
6,750.00	6,602.21	6,275.67	6,013.00	34.36	30.65	-155.84	949.91	513.53	1,789.77	1,731.73	58.03	30.840		
6,800.00	6,651.92	6,313.21	6,048.30	34.54	30.86	-115.42	962.60	512.17	1,809.44	1,751.11	58.33	31.020		
6,850.00	6,701.33	6,346.74	6,079.81	34.70	31.05	-94.48	973.97	510.66	1,827.75	1,769.18	58.57	31.206		
6,900.00	6,750.14	6,375.83	6,107.05	34.86	31.21	-83.88	984.09	509.38	1,844.78	1,786.03	58.75	31.402		
6,950.00	6,798.04	6,404.18	6,133.51	35.02	31.38	-77.67	994.22	508.20	1,860.52	1,801.60	58.93	31.574		
7,000.00	6,844.75	6,433.00	6,160.30	35.19	31.54	-73.64	1,004.78	507.09	1,874.97	1,815.84	59.13	31.709		
7,050.00	6,889.97	6,462.89	6,188.00	35.37	31.71	-70.88	1,015.96	506.01	1,888.05	1,828.67	59.38	31.798		
7,100.00	6,933.42	6,493.02	6,215.85	35.57	31.89	-68.93	1,027.40	505.01	1,899.74	1,840.08	59.66	31.843		
7,150.00	6,974.83	6,521.56	6,242.18	35.79	32.05	-67.51	1,038.39	504.15	1,910.06	1,850.11	59.96	31.857		
7,200.00	7,013.96	6,550.00	6,269.52	36.02	32.21	-66.43	1,049.69	503.22	1,920.88	1,860.88	60.26	31.871		
7,250.00	7,050.56	6,576.93	6,296.41	36.28	32.44	-65.35	1,061.30	502.33	1,931.90	1,871.90	60.56	31.885		
7,300.00	7,084.39	6,600.00	6,319.50	36.57	32.64	-64.27	1,073.21	501.44	1,942.92	1,882.92	60.86	31.899		
7,350.00	7,115.27	6,619.75	6,338.50	36.89	32.87	-63.19	1,085.41	500.61	1,953.94	1,893.94	61.16	31.913		
7,400.00	7,142.99	6,634.90	6,353.68	37.25	33.09	-62.15	1,097.96	500.00	1,964.96	1,904.96	61.46	31.927		
7,450.00	7,167.38	6,649.07	6,368.86	37.65	33.31	-61.15	1,110.47	499.41	1,975.98	1,915.98	61.76	31.941		
7,500.00	7,188.30	6,663.24	6,383.03	38.08	33.54	-60.15	1,123.00	498.82	1,986.99	1,926.99	62.06	31.955		
7,550.00	7,205.61	6,676.41	6,396.20	38.55	33.77	-59.15	1,135.53	498.23	1,997.99	1,937.99	62.36	31.969		
7,600.00	7,219.20	6,688.58	6,408.37	39.06	33.99	-58.15	1,148.06	497.64	2,008.99	1,948.99	62.66	31.983		
7,650.00	7,229.00	6,699.75	6,419.54	39.61	34.21	-57.15	1,160.59	497.05	2,019.99	1,959.99	62.96	31.997		
7,700.00	7,234.95	6,709.92	6,429.71	40.18	34.42	-56.15	1,173.12	496.46	2,030.99	1,970.99	63.26	32.011		
7,750.00	7,237.00	6,719.09	6,438.88	40.78	34.62	-55.15	1,185.65	495.87	2,041.99	1,981.99	63.56	32.025		
7,800.00	7,237.09	6,727.26	6,446.05	41.41	34.80	-54.15	1,198.18	495.28	2,052.99	1,992.99	63.86	32.039		
7,812.39	7,237.12	6,734.43	6,452.22	41.58	34.93	-53.15	1,210.71	494.69	2,063.99	2,003.99	64.16	32.053		
7,900.00	7,237.28	6,741.60	6,458.39	42.79	35.17	-52.15	1,223.24	494.10	2,074.99	2,014.99	64.46	32.067		
8,000.00	7,237.47	6,748.77	6,464.56	44.31	35.41	-51.15	1,235.77	493.51	2,085.99	2,025.99	64.76	32.081		
8,100.00	7,237.65	6,755.94	6,470.73	45.97	35.65	-50.15	1,248.30	492.92	2,096.99	2,036.99	65.06	32.095		
8,200.00	7,237.84	6,763.11	6,476.90	47.75	35.89	-49.15	1,260.83	492.33	2,107.99	2,047.99	65.36	32.109		
8,300.00	7,238.02	6,769.28	6,483.07	49.63	36.13	-48.15	1,273.36	491.74	2,118.99	2,058.99	65.66	32.123		
8,400.00	7,238.21	6,775.45	6,489.24	51.61	36.37	-47.15	1,285.89	491.15	2,129.99	2,069.99	65.96	32.137		
8,500.00	7,238.40	6,781.62	6,495.41	53.66	36.61	-46.15	1,298.42	490.56	2,140.99	2,080.99	66.26	32.151		
8,600.00	7,238.58	6,787.79	6,501.58	55.79	36.85	-45.15	1,310.95	490.00	2,151.99	2,091.99	66.56	32.165		
8,700.00	7,238.77	6,793.96	6,507.75	57.99	37.09	-44.15	1,323.48	489.41	2,162.99	2,102.99	66.86	32.179		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	6,805.00	6,507.81	60.24	33.64	68.15	1,136.79	504.39	2,163.39	2,077.93	85.47	25.313		
8,900.00	7,239.14	6,805.00	6,507.81	62.54	33.64	68.15	1,136.79	504.39	2,210.35	2,123.53	86.81	25.461		
9,000.00	7,239.33	6,805.00	6,507.81	64.88	33.64	68.15	1,136.79	504.39	2,260.75	2,172.68	88.07	25.671		
9,100.00	7,239.52	6,805.00	6,507.81	67.27	33.64	68.15	1,136.79	504.39	2,314.38	2,225.15	89.22	25.940		
9,200.00	7,239.70	6,805.00	6,507.81	69.69	33.64	68.15	1,136.79	504.39	2,371.01	2,280.73	90.28	26.262		
9,300.00	7,239.89	6,805.00	6,507.81	72.15	33.64	68.15	1,136.79	504.39	2,430.44	2,339.19	91.25	26.634		
9,400.00	7,240.07	6,805.00	6,507.81	74.63	33.64	68.15	1,136.79	504.39	2,492.47	2,400.33	92.14	27.052		
9,500.00	7,240.26	6,805.00	6,507.81	77.14	33.64	68.15	1,136.79	504.39	2,556.90	2,463.96	92.94	27.510		
9,600.00	7,240.45	6,805.00	6,507.81	79.68	33.64	68.15	1,136.79	504.39	2,623.57	2,529.89	93.67	28.007		
9,700.00	7,240.63	6,805.00	6,507.81	82.23	33.64	68.15	1,136.79	504.39	2,692.29	2,597.96	94.34	28.539		
9,800.00	7,240.82	6,805.00	6,507.81	84.81	33.64	68.15	1,136.79	504.39	2,762.93	2,667.99	94.94	29.102		
9,900.00	7,241.01	6,805.00	6,507.81	87.40	33.64	68.15	1,136.79	504.39	2,835.34	2,739.86	95.48	29.695		
10,000.00	7,241.19	6,805.00	6,507.81	90.01	33.64	68.15	1,136.79	504.39	2,909.38	2,813.41	95.97	30.314		
10,100.00	7,241.38	6,805.00	6,507.81	92.64	33.64	68.15	1,136.79	504.39	2,984.94	2,888.52	96.42	30.958		
10,200.00	7,241.56	6,805.00	6,507.81	95.28	33.64	68.15	1,136.79	504.39	3,061.90	2,965.08	96.82	31.625		
10,300.00	7,241.75	6,805.00	6,507.81	97.93	33.64	68.15	1,136.79	504.39	3,140.15	3,042.97	97.18	32.312		
10,400.00	7,241.94	6,805.00	6,507.81	100.59	33.64	68.15	1,136.79	504.39	3,219.61	3,122.10	97.51	33.019		
10,500.00	7,242.12	6,805.00	6,507.81	103.26	33.64	68.15	1,136.79	504.39	3,300.19	3,202.39	97.81	33.743		
10,600.00	7,242.31	6,805.00	6,507.81	105.95	33.64	68.15	1,136.79	504.39	3,381.81	3,283.74	98.07	34.483		
10,700.00	7,242.50	6,805.00	6,507.81	108.64	33.64	68.15	1,136.79	504.39	3,464.39	3,366.07	98.31	35.238		
10,800.00	7,242.68	6,805.00	6,507.81	111.34	33.64	68.15	1,136.79	504.39	3,547.86	3,449.33	98.53	36.007		
10,900.00	7,242.87	6,805.00	6,507.81	114.05	33.64	68.15	1,136.79	504.39	3,632.17	3,533.44	98.73	36.789		
11,000.00	7,243.05	6,781.50	6,485.53	116.76	33.52	67.46	1,129.40	503.16	3,717.09	3,618.47	98.62	37.692		
11,100.00	7,243.24	6,779.72	6,483.84	119.49	33.51	67.41	1,128.84	503.08	3,802.87	3,704.11	98.76	38.506		
11,200.00	7,243.43	6,778.02	6,482.24	122.22	33.50	67.36	1,128.30	503.00	3,889.34	3,790.45	98.89	39.331		
11,300.00	7,243.61	6,776.40	6,480.70	124.95	33.49	67.31	1,127.78	502.93	3,976.43	3,877.43	99.00	40.165		
11,400.00	7,243.80	6,774.85	6,479.24	127.69	33.48	67.26	1,127.29	502.87	4,064.12	3,965.02	99.11	41.007		
11,500.00	7,243.99	6,773.37	6,477.84	130.44	33.47	67.22	1,126.82	502.80	4,152.37	4,053.17	99.20	41.858		
11,600.00	7,244.17	6,771.96	6,476.50	133.19	33.46	67.18	1,126.37	502.75	4,241.13	4,141.85	99.29	42.716		
11,700.00	7,244.36	6,770.60	6,475.21	135.94	33.46	67.14	1,125.93	502.69	4,330.39	4,231.02	99.36	43.581		
11,800.00	7,244.55	6,769.30	6,473.98	138.70	33.45	67.10	1,125.52	502.64	4,420.10	4,320.67	99.43	44.452		
11,900.00	7,244.73	6,768.05	6,472.80	141.47	33.44	67.06	1,125.12	502.59	4,510.24	4,410.75	99.50	45.330		
12,000.00	7,244.92	6,766.85	6,471.66	144.24	33.44	67.03	1,124.73	502.55	4,600.79	4,501.24	99.56	46.213		
12,100.00	7,245.10	6,765.69	6,470.57	147.01	33.43	66.99	1,124.36	502.51	4,691.73	4,592.12	99.61	47.102		
12,200.00	7,245.29	6,764.58	6,469.52	149.78	33.42	66.96	1,124.00	502.47	4,783.02	4,683.37	99.66	47.995		
12,300.00	7,245.48	6,763.51	6,468.50	152.56	33.42	66.93	1,123.66	502.43	4,874.66	4,774.96	99.70	48.893		
12,400.00	7,245.66	6,762.48	6,467.53	155.34	33.41	66.90	1,123.33	502.39	4,966.62	4,866.88	99.74	49.796		
12,500.00	7,245.85	6,761.49	6,466.59	158.12	33.41	66.87	1,123.01	502.36	5,058.88	4,959.10	99.78	50.702		
12,600.00	7,246.04	6,760.53	6,465.68	160.91	33.40	66.84	1,122.70	502.32	5,151.43	5,051.62	99.81	51.612		
12,700.00	7,246.22	6,759.61	6,464.81	163.70	33.40	66.81	1,122.40	502.29	5,244.25	5,144.41	99.84	52.525		
12,800.00	7,246.41	6,758.71	6,463.96	166.49	33.39	66.79	1,122.11	502.26	5,337.34	5,237.46	99.87	53.442		
12,900.00	7,246.59	6,757.85	6,463.14	169.28	33.39	66.76	1,121.83	502.24	5,430.66	5,330.76	99.90	54.361		
13,000.00	7,246.78	6,757.01	6,462.35	172.08	33.38	66.73	1,121.56	502.21	5,524.22	5,424.30	99.93	55.284		
13,100.00	7,246.97	6,756.20	6,461.59	174.88	33.38	66.71	1,121.30	502.18	5,618.01	5,518.06	99.95	56.209		
13,200.00	7,247.15	6,755.42	6,460.85	177.68	33.37	66.69	1,121.05	502.16	5,712.00	5,612.03	99.97	57.136		
13,300.00	7,247.34	6,754.66	6,460.13	180.48	33.37	66.67	1,120.80	502.14	5,806.19	5,706.20	99.99	58.065		
13,400.00	7,247.53	6,753.93	6,459.44	183.28	33.37	66.64	1,120.57	502.11	5,900.58	5,800.56	100.01	58.997		
13,500.00	7,247.71	6,753.21	6,458.76	186.09	33.36	66.62	1,120.34	502.09	5,995.14	5,895.11	100.03	59.930		
13,600.00	7,247.90	6,752.52	6,458.11	188.90	33.36	66.60	1,120.11	502.07	6,089.88	5,989.83	100.05	60.866		
13,700.00	7,248.08	6,751.85	6,457.47	191.70	33.36	66.58	1,119.89	502.05	6,184.78	6,084.71	100.07	61.803		
13,800.00	7,248.27	6,751.20	6,456.86	194.52	33.35	66.56	1,119.68	502.03	6,279.85	6,179.76	100.09	62.741		
13,900.00	7,248.46	6,750.57	6,456.26	197.33	33.35	66.54	1,119.48	502.02	6,375.06	6,274.95	100.11	63.681		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	6,749.95	6,455.68	200.14	33.34	66.53	1,119.28	502.00	6,470.42	6,370.29	100.13	64.621		
14,100.00	7,248.83	6,749.35	6,455.11	202.95	33.34	66.51	1,119.08	501.98	6,565.91	6,465.77	100.15	65.563		
14,200.00	7,249.02	6,748.77	6,454.56	205.77	33.34	66.49	1,118.89	501.97	6,661.54	6,561.38	100.16	66.506		
14,300.00	7,249.20	6,748.21	6,454.03	208.59	33.34	66.47	1,118.71	501.95	6,757.29	6,657.11	100.18	67.450		
14,400.00	7,249.39	6,747.66	6,453.51	211.41	33.33	66.46	1,118.53	501.94	6,853.17	6,752.97	100.20	68.395		
14,500.00	7,249.58	6,747.12	6,453.00	214.23	33.33	66.44	1,118.36	501.92	6,949.16	6,848.94	100.22	69.341		
14,600.00	7,249.76	6,746.60	6,452.51	217.05	33.33	66.43	1,118.19	501.91	7,045.26	6,945.02	100.24	70.287		
14,700.00	7,249.95	6,746.09	6,452.03	219.87	33.32	66.41	1,118.02	501.90	7,141.47	7,041.21	100.25	71.233		
14,800.00	7,250.13	6,745.59	6,451.56	222.69	33.32	66.40	1,117.86	501.88	7,237.78	7,137.51	100.27	72.180		
14,900.00	7,250.32	6,711.00	6,418.91	225.51	33.13	65.38	1,106.45	501.36	7,334.55	7,234.66	99.90	73.421		
15,000.00	7,250.51	6,711.00	6,418.91	228.34	33.13	65.38	1,106.45	501.36	7,431.05	7,331.13	99.92	74.368		
15,100.00	7,250.69	6,711.00	6,418.91	231.16	33.13	65.38	1,106.45	501.36	7,527.64	7,427.69	99.95	75.315		
15,200.00	7,250.88	6,711.00	6,418.91	233.99	33.13	65.38	1,106.45	501.36	7,624.31	7,524.33	99.97	76.262		
15,300.00	7,251.07	6,711.00	6,418.91	236.82	33.13	65.38	1,106.45	501.36	7,721.07	7,621.07	100.00	77.210		
15,400.00	7,251.25	6,711.00	6,418.91	239.65	33.13	65.38	1,106.45	501.36	7,817.91	7,717.88	100.03	78.157		
15,500.00	7,251.44	6,711.00	6,418.91	242.47	33.13	65.38	1,106.45	501.36	7,914.83	7,814.77	100.06	79.104		
15,600.00	7,251.62	6,711.00	6,418.91	245.30	33.13	65.38	1,106.45	501.36	8,011.82	7,911.74	100.08	80.052		
15,700.00	7,251.81	6,711.00	6,418.91	248.13	33.13	65.38	1,106.45	501.36	8,108.89	8,008.78	100.11	80.999		
15,800.00	7,252.00	6,711.00	6,418.91	250.97	33.13	65.38	1,106.45	501.36	8,206.03	8,105.89	100.14	81.946		
15,900.00	7,252.18	6,711.00	6,418.91	253.80	33.13	65.38	1,106.45	501.36	8,303.24	8,203.07	100.17	82.893		
16,000.00	7,252.37	6,711.00	6,418.91	256.63	33.13	65.38	1,106.45	501.36	8,400.51	8,300.31	100.20	83.839		
16,100.00	7,252.56	6,711.00	6,418.91	259.46	33.13	65.38	1,106.45	501.36	8,497.84	8,397.61	100.23	84.785		
16,200.00	7,252.74	6,711.00	6,418.91	262.30	33.13	65.38	1,106.45	501.36	8,595.24	8,494.98	100.26	85.731		
16,300.00	7,252.93	6,711.00	6,418.91	265.13	33.13	65.38	1,106.45	501.36	8,692.69	8,592.40	100.29	86.676		
16,400.00	7,253.11	6,711.00	6,418.91	267.96	33.13	65.38	1,106.45	501.36	8,790.21	8,689.89	100.32	87.621		
16,500.00	7,253.30	6,711.00	6,418.91	270.80	33.13	65.38	1,106.45	501.36	8,887.77	8,787.42	100.35	88.565		
16,600.00	7,253.49	6,711.00	6,418.91	273.64	33.13	65.38	1,106.45	501.36	8,985.40	8,885.01	100.39	89.509		
16,700.00	7,253.67	6,711.00	6,418.91	276.47	33.13	65.38	1,106.45	501.36	9,083.07	8,982.65	100.42	90.452		
16,800.00	7,253.86	6,711.00	6,418.91	279.31	33.13	65.38	1,106.45	501.36	9,180.79	9,080.34	100.45	91.395		
16,900.00	7,254.05	6,711.00	6,418.91	282.15	33.13	65.38	1,106.45	501.36	9,278.56	9,178.08	100.49	92.337		
17,000.00	7,254.23	6,711.00	6,418.91	284.98	33.13	65.38	1,106.45	501.36	9,376.38	9,275.86	100.52	93.278		
17,100.00	7,254.42	6,711.00	6,418.91	287.82	33.13	65.38	1,106.45	501.36	9,474.25	9,373.69	100.56	94.218		
17,200.00	7,254.61	6,711.00	6,418.91	290.66	33.13	65.38	1,106.45	501.36	9,572.15	9,471.56	100.59	95.157		
17,300.00	7,254.79	6,711.00	6,418.91	293.50	33.13	65.38	1,106.45	501.36	9,670.11	9,569.48	100.63	96.096		
17,400.00	7,254.98	6,711.00	6,418.91	296.34	33.13	65.38	1,106.45	501.36	9,768.10	9,667.43	100.67	97.034		
17,500.00	7,255.16	6,711.00	6,418.91	299.18	33.13	65.38	1,106.45	501.36	9,866.13	9,765.43	100.70	97.971		
17,600.00	7,255.35	6,711.00	6,418.91	302.02	33.13	65.38	1,106.45	501.36	9,964.20	9,863.46	100.74	98.907		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-29.87	-0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-29.87	-0.28	29.87	23.31	6.57	4.548		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-29.87	-0.28	29.87	23.20	6.67	4.476		
300.00	300.00	300.00	300.00	3.44	3.44	-179.47	-29.87	-0.28	29.87	22.98	6.89	4.336 CC		
400.00	399.98	399.41	399.39	3.60	3.60	64.80	-30.86	1.13	30.11	22.91	7.20	4.183		
500.00	499.84	498.82	498.66	3.79	3.79	65.59	-33.83	5.37	30.81	23.22	7.59	4.060		
600.00	599.45	598.22	597.68	4.03	4.02	66.82	-38.77	12.43	31.98	23.92	8.06	3.967		
700.00	698.70	697.61	696.34	4.30	4.29	68.40	-45.67	22.29	33.65	25.04	8.61	3.908		
800.00	797.47	796.99	794.50	4.61	4.60	70.20	-54.54	34.95	35.83	26.60	9.22	3.884		
900.00	895.62	896.35	892.05	4.96	4.94	72.12	-65.35	50.38	38.52	28.62	9.90	3.891		
939.50	934.20	935.59	930.39	5.10	5.08	72.89	-70.15	57.24	39.73	29.55	10.19	3.901		
1,000.00	993.20	1,004.35	988.83	5.33	5.35	73.26	-78.08	68.57	41.93	31.26	10.67	3.929		
1,100.00	1,090.72	1,095.56	1,085.78	5.73	5.72	72.45	-91.94	88.37	46.08	34.66	11.43	4.033		
1,200.00	1,188.24	1,204.53	1,182.72	6.15	6.19	71.77	-105.81	108.17	50.24	37.95	12.29	4.088		
1,300.00	1,285.76	1,304.62	1,279.67	6.59	6.63	71.20	-119.67	127.97	54.41	41.26	13.15	4.138		
1,400.00	1,383.28	1,404.70	1,376.61	7.04	7.10	70.70	-133.53	147.77	58.58	44.55	14.03	4.176		
1,500.00	1,480.80	1,504.79	1,473.55	7.50	7.57	70.28	-147.40	167.56	62.76	47.83	14.93	4.203		
1,600.00	1,578.31	1,604.88	1,570.50	7.96	8.05	69.90	-161.26	187.36	66.94	51.09	15.85	4.223		
1,700.00	1,675.83	1,704.97	1,667.44	8.44	8.54	69.57	-175.13	207.16	71.12	54.34	16.78	4.238		
1,800.00	1,773.35	1,805.06	1,764.39	8.92	9.04	69.28	-188.99	226.96	75.30	57.58	17.72	4.249		
1,900.00	1,870.87	1,894.86	1,861.33	9.40	9.49	69.01	-202.85	246.76	79.49	60.86	18.63	4.267		
2,000.00	1,968.39	2,005.23	1,958.27	9.89	10.04	68.78	-216.72	266.56	83.67	64.03	19.64	4.261		
2,100.00	2,065.91	2,105.32	2,055.22	10.39	10.55	68.56	-230.58	286.36	87.86	67.25	20.61	4.263		
2,200.00	2,163.43	2,205.41	2,152.16	10.88	11.07	68.37	-244.44	306.16	92.05	70.47	21.58	4.265		
2,300.00	2,260.95	2,305.50	2,249.11	11.38	11.58	68.19	-258.31	325.96	96.24	73.68	22.56	4.265		
2,400.00	2,358.46	2,405.59	2,346.05	11.89	12.10	68.03	-272.17	345.76	100.43	76.88	23.55	4.265		
2,500.00	2,455.98	2,505.67	2,442.99	12.39	12.62	67.88	-286.04	365.56	104.62	80.08	24.54	4.264		
2,600.00	2,553.50	2,605.76	2,539.94	12.89	13.15	67.74	-299.90	385.36	108.81	83.28	25.53	4.262		
2,700.00	2,651.02	2,705.85	2,636.88	13.40	13.67	67.61	-313.76	405.16	113.01	86.48	26.53	4.260		
2,800.00	2,748.54	2,805.94	2,733.83	13.91	14.20	67.50	-327.63	424.96	117.20	89.67	27.53	4.258		
2,900.00	2,846.06	2,906.03	2,830.77	14.42	14.73	67.39	-341.49	444.76	121.39	92.86	28.53	4.255		
3,000.00	2,943.58	3,006.12	2,927.71	14.93	15.26	67.28	-355.36	464.56	125.59	96.05	29.53	4.252		
3,100.00	3,041.10	3,106.20	3,024.66	15.45	15.79	67.19	-369.22	484.36	129.78	99.24	30.54	4.250		
3,200.00	3,138.61	3,206.29	3,121.60	15.96	16.32	67.10	-383.08	504.16	133.98	102.43	31.55	4.247		
3,300.00	3,236.13	3,306.38	3,218.54	16.47	16.85	67.01	-396.95	523.96	138.17	105.61	32.56	4.244		
3,400.00	3,333.65	3,406.47	3,315.49	16.99	17.38	66.93	-410.81	543.76	142.37	108.80	33.57	4.241		
3,500.00	3,431.17	3,506.56	3,412.43	17.50	17.92	66.86	-424.67	563.56	146.56	111.98	34.58	4.238		
3,600.00	3,528.69	3,606.64	3,509.38	18.02	18.45	66.78	-438.54	583.36	150.76	115.16	35.60	4.235		
3,700.00	3,626.21	3,706.73	3,606.32	18.54	18.99	66.72	-452.40	603.16	154.95	118.34	36.61	4.232		
3,800.00	3,723.73	3,806.82	3,703.26	19.06	19.52	66.65	-466.27	622.96	159.15	121.52	37.63	4.229		
3,900.00	3,821.25	3,906.91	3,800.21	19.57	20.06	66.59	-480.13	642.75	163.35	124.70	38.65	4.227		
4,000.00	3,918.77	4,007.00	3,897.15	20.09	20.60	66.54	-493.99	662.55	167.54	127.88	39.67	4.224		
4,100.00	4,016.28	4,107.09	3,994.10	20.61	21.13	66.48	-507.86	682.35	171.74	131.05	40.69	4.221		
4,200.00	4,113.80	4,207.17	4,091.04	21.13	21.67	66.43	-521.72	702.15	175.94	134.23	41.71	4.219		
4,300.00	4,211.32	4,292.74	4,187.98	21.65	22.13	66.38	-535.59	721.95	180.13	137.48	42.65	4.223		
4,400.00	4,308.84	4,407.35	4,284.93	22.17	22.75	66.33	-549.45	741.75	184.33	140.58	43.75	4.213		
4,500.00	4,406.36	4,507.44	4,381.87	22.69	23.29	66.29	-563.31	761.55	188.53	143.76	44.77	4.211		
4,600.00	4,503.88	4,607.53	4,478.82	23.21	23.82	66.24	-577.18	781.35	192.73	146.93	45.79	4.209		
4,700.00	4,601.40	4,707.62	4,575.76	23.73	24.36	66.20	-591.04	801.15	196.92	150.11	46.82	4.206		
4,800.00	4,698.92	4,807.70	4,672.70	24.26	24.90	66.16	-604.90	820.95	201.12	153.28	47.84	4.204		
4,900.00	4,796.43	4,892.21	4,769.65	24.78	25.36	66.12	-618.77	840.75	205.32	156.53	48.79	4.209		
5,000.00	4,893.95	4,992.12	4,866.59	25.30	25.90	66.09	-632.63	860.55	209.52	159.71	49.81	4.206		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,107.97	4,963.54	25.82	26.52	66.05	-646.50	880.35	213.72	162.80	50.92	4.197		
5,200.00	5,088.99	5,208.06	5,060.48	26.34	27.06	66.02	-660.36	900.15	217.91	165.97	51.94	4.195		
5,300.00	5,186.51	5,291.86	5,157.42	26.87	27.52	65.99	-674.22	919.95	222.11	169.23	52.88	4.200		
5,400.00	5,284.03	5,408.23	5,254.37	27.39	28.15	65.96	-688.09	939.75	226.31	172.31	54.00	4.191		
5,500.00	5,381.55	5,508.32	5,351.31	27.91	28.69	65.93	-701.95	959.55	230.51	175.49	55.02	4.189		
5,600.00	5,479.07	5,608.41	5,448.26	28.43	29.23	65.90	-715.81	979.35	234.71	178.66	56.05	4.187		
5,700.00	5,576.58	5,708.50	5,545.20	28.96	29.77	65.87	-729.68	999.15	238.90	181.83	57.08	4.186		
5,800.00	5,674.10	5,791.41	5,642.14	29.48	30.22	65.84	-743.54	1,018.95	243.10	185.09	58.02	4.190		
5,900.00	5,771.62	5,908.67	5,739.09	30.00	30.85	65.81	-757.41	1,038.75	247.30	188.17	59.13	4.182		
6,000.00	5,869.14	6,008.76	5,836.03	30.53	31.40	65.79	-771.27	1,058.55	251.50	191.34	60.16	4.180		
6,100.00	5,966.66	6,108.85	5,932.98	31.05	31.94	65.77	-785.13	1,078.35	255.70	194.51	61.19	4.179		
6,200.00	6,064.18	6,191.06	6,029.92	31.58	32.38	65.74	-799.00	1,098.15	259.90	197.77	62.13	4.183		
6,300.00	6,161.70	6,309.03	6,126.86	32.10	33.02	65.72	-812.86	1,117.95	264.10	200.85	63.25	4.176		
6,400.00	6,259.22	6,390.88	6,223.81	32.62	33.47	65.70	-826.73	1,137.74	268.29	204.11	64.18	4.180		
6,500.00	6,356.74	6,509.20	6,320.75	33.15	34.11	65.67	-840.59	1,157.54	272.49	207.19	65.31	4.172		
6,600.00	6,454.25	6,590.71	6,417.70	33.67	34.55	65.65	-854.45	1,177.34	276.69	210.45	66.24	4.177		
6,623.48	6,477.15	6,614.17	6,440.46	33.80	34.68	65.65	-857.71	1,181.99	277.68	211.19	66.48	4.177		
6,650.00	6,503.12	6,640.66	6,466.16	33.93	34.82	60.04	-861.38	1,187.24	278.77	212.03	66.74	4.177		
6,700.00	6,552.50	6,689.86	6,514.07	34.16	35.08	40.70	-868.24	1,196.07	280.80	213.65	67.15	4.182		
6,750.00	6,602.21	6,738.99	6,562.41	34.36	35.31	2.18	-875.18	1,201.31	282.90	215.41	67.49	4.191		
6,800.00	6,651.92	6,788.37	6,611.25	34.54	35.51	-37.23	-882.20	1,202.75	285.07	217.27	67.80	4.204		
6,850.00	6,701.33	6,838.00	6,660.31	34.70	35.68	-57.35	-889.28	1,200.35	287.31	219.22	68.09	4.219		
6,900.00	6,750.14	6,887.89	6,709.28	34.86	35.84	-67.31	-896.36	1,194.06	289.59	221.20	68.39	4.234		
6,950.00	6,798.04	6,938.06	6,757.87	35.02	35.99	-73.04	-903.40	1,183.84	291.91	223.21	68.70	4.249		
7,000.00	6,844.75	6,988.50	6,805.77	35.19	36.15	-76.77	-910.37	1,169.70	294.24	225.21	69.04	4.262		
7,050.00	6,889.97	7,039.21	6,852.66	35.37	36.30	-79.42	-917.20	1,151.67	296.57	227.18	69.40	4.274		
7,100.00	6,933.42	7,090.20	6,898.22	35.57	36.47	-81.42	-923.87	1,129.80	298.89	229.10	69.79	4.283		
7,150.00	6,974.83	7,141.46	6,942.13	35.79	36.65	-82.99	-930.31	1,104.16	301.17	230.95	70.22	4.289		
7,200.00	7,013.96	7,193.00	6,984.07	36.02	36.85	-84.26	-936.49	1,074.88	303.41	232.70	70.70	4.291		
7,250.00	7,050.56	7,244.80	7,023.72	36.28	37.06	-85.31	-942.36	1,042.08	305.57	234.34	71.23	4.290		
7,300.00	7,084.39	7,296.87	7,060.77	36.57	37.31	-86.19	-947.86	1,005.95	307.65	235.82	71.82	4.283		
7,350.00	7,115.27	7,349.18	7,094.94	36.89	37.58	-86.94	-952.97	966.69	309.62	237.13	72.49	4.271		
7,400.00	7,142.99	7,401.72	7,125.93	37.25	37.89	-87.57	-957.63	924.53	311.47	238.24	73.23	4.253		
7,450.00	7,167.38	7,454.48	7,153.47	37.65	38.24	-88.10	-961.81	879.74	313.18	239.12	74.06	4.229		
7,500.00	7,188.30	7,507.45	7,177.34	38.08	38.64	-88.54	-965.48	832.62	314.74	239.74	75.00	4.197		
7,550.00	7,205.61	7,560.60	7,197.30	38.55	39.07	-88.90	-968.59	783.48	316.14	240.11	76.03	4.158		
7,600.00	7,219.20	7,613.91	7,213.18	39.06	39.56	-89.19	-971.11	732.67	317.35	240.20	77.15	4.113		
7,650.00	7,229.00	7,667.35	7,224.83	39.61	40.09	-89.41	-973.04	680.56	318.38	240.01	78.36	4.063		
7,700.00	7,234.95	7,720.90	7,232.11	40.18	40.65	-89.56	-974.34	627.54	319.20	239.54	79.66	4.007		
7,750.07	7,237.00	7,774.61	7,234.96	40.78	41.25	-89.64	-975.01	573.93	319.82	238.81	81.01	3.948		
7,800.00	7,237.09	7,824.95	7,235.10	41.41	41.86	-89.64	-975.27	523.59	320.27	237.93	82.34	3.890		
7,900.00	7,237.28	7,924.94	7,235.31	42.79	43.17	-89.65	-975.78	423.59	321.17	236.00	85.17	3.771		
8,000.00	7,237.47	8,024.94	7,235.52	44.31	44.64	-89.66	-976.28	323.60	322.07	233.78	88.29	3.648		
8,100.00	7,237.65	8,124.93	7,235.74	45.97	46.24	-89.66	-976.79	223.61	322.97	231.32	91.65	3.524		
8,200.00	7,237.84	8,224.93	7,235.95	47.75	47.97	-89.67	-977.30	123.61	323.87	228.62	95.24	3.400		
8,300.00	7,238.02	8,324.93	7,236.16	49.63	49.82	-89.67	-977.81	23.62	324.77	225.73	99.03	3.279		
8,400.00	7,238.21	8,424.92	7,236.38	51.61	51.75	-89.68	-978.32	-76.38	325.67	222.66	103.00	3.162		
8,500.00	7,238.40	8,524.92	7,236.59	53.66	53.78	-89.68	-978.83	-176.37	326.56	219.43	107.13	3.048		
8,600.00	7,238.58	8,624.91	7,236.80	55.79	55.88	-89.69	-979.33	-276.37	327.46	216.07	111.40	2.940		
8,700.00	7,238.77	8,724.91	7,237.01	57.99	58.05	-89.69	-979.84	-376.36	328.36	212.57	115.79	2.836		
8,800.00	7,238.96	8,824.91	7,237.23	60.24	60.27	-89.70	-980.35	-476.36	329.26	208.97	120.29	2.737		
8,900.00	7,239.14	8,924.90	7,237.44	62.54	62.55	-89.71	-980.86	-576.35	330.16	205.26	124.90	2.643		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,024.90	7,237.65	64.88	64.88	-89.71	-981.37	-676.34	331.06	201.47	129.59	2.555		
9,100.00	7,239.52	9,124.89	7,237.87	67.27	67.25	-89.72	-981.88	-776.34	331.96	197.59	134.36	2.471		
9,200.00	7,239.70	9,224.89	7,238.08	69.69	69.66	-89.72	-982.38	-876.33	332.86	193.65	139.21	2.391		
9,300.00	7,239.89	9,324.89	7,238.29	72.15	72.10	-89.73	-982.89	-976.33	333.75	189.64	144.12	2.316		
9,400.00	7,240.07	9,424.88	7,238.51	74.63	74.57	-89.73	-983.40	-1,076.32	334.65	185.57	149.08	2.245		
9,500.00	7,240.26	9,524.88	7,238.72	77.14	77.07	-89.74	-983.91	-1,176.32	335.55	181.45	154.10	2.177		
9,600.00	7,240.45	9,624.87	7,238.93	79.68	79.59	-89.74	-984.42	-1,276.31	336.45	177.28	159.17	2.114		
9,700.00	7,240.63	9,724.87	7,239.14	82.23	82.13	-89.75	-984.92	-1,376.31	337.35	173.08	164.27	2.054		
9,800.00	7,240.82	9,824.87	7,239.36	84.81	84.70	-89.75	-985.43	-1,476.30	338.25	168.83	169.42	1.996		
9,900.00	7,241.01	9,924.86	7,239.57	87.40	87.28	-89.76	-985.94	-1,576.29	339.15	164.54	174.61	1.942		
10,000.00	7,241.19	10,024.86	7,239.78	90.01	89.88	-89.76	-986.45	-1,676.29	340.05	160.23	179.82	1.891		
10,100.00	7,241.38	10,124.85	7,240.00	92.64	92.50	-89.77	-986.96	-1,776.28	340.94	155.88	185.07	1.842		
10,200.00	7,241.56	10,224.85	7,240.21	95.28	95.13	-89.77	-987.47	-1,876.28	341.84	151.51	190.34	1.796		
10,300.00	7,241.75	10,324.85	7,240.42	97.93	97.77	-89.78	-987.97	-1,976.27	342.74	147.11	195.64	1.752		
10,400.00	7,241.94	10,424.84	7,240.64	100.59	100.43	-89.78	-988.48	-2,076.27	343.64	142.68	200.96	1.710		
10,500.00	7,242.12	10,524.84	7,240.85	103.26	103.09	-89.79	-988.99	-2,176.26	344.54	138.24	206.30	1.670		
10,600.00	7,242.31	10,624.83	7,241.06	105.95	105.77	-89.79	-989.50	-2,276.26	345.44	133.78	211.66	1.632		
10,700.00	7,242.50	10,724.83	7,241.27	108.64	108.45	-89.80	-990.01	-2,376.25	346.34	129.30	217.04	1.596		
10,800.00	7,242.68	10,824.83	7,241.49	111.34	111.15	-89.80	-990.52	-2,476.24	347.24	124.80	222.44	1.561		
10,900.00	7,242.87	10,924.82	7,241.70	114.05	113.85	-89.81	-991.02	-2,576.24	348.14	120.28	227.85	1.528		
11,000.00	7,243.05	11,024.82	7,241.91	116.76	116.56	-89.81	-991.53	-2,676.23	349.03	115.76	233.28	1.496 Level 3		
11,100.00	7,243.24	11,124.81	7,242.13	119.49	119.28	-89.82	-992.04	-2,776.23	349.93	111.21	238.72	1.466 Level 3		
11,200.00	7,243.43	11,224.81	7,242.34	122.22	122.00	-89.82	-992.55	-2,876.22	350.83	106.66	244.17	1.437 Level 3		
11,300.00	7,243.61	11,324.81	7,242.55	124.95	124.73	-89.83	-993.06	-2,976.22	351.73	102.09	249.64	1.409 Level 3		
11,400.00	7,243.80	11,424.80	7,242.77	127.69	127.46	-89.83	-993.56	-3,076.21	352.63	97.51	255.12	1.382 Level 3		
11,500.00	7,243.99	11,524.80	7,242.98	130.44	130.20	-89.84	-994.07	-3,176.21	353.53	92.93	260.60	1.357 Level 3		
11,600.00	7,244.17	11,624.79	7,243.19	133.19	132.95	-89.84	-994.58	-3,276.20	354.43	88.33	266.10	1.332 Level 3		
11,700.00	7,244.36	11,724.79	7,243.40	135.94	135.70	-89.85	-995.09	-3,376.19	355.33	83.72	271.61	1.308 Level 3		
11,800.00	7,244.55	11,824.79	7,243.62	138.70	138.45	-89.85	-995.60	-3,476.19	356.23	79.10	277.12	1.285 Level 3		
11,900.00	7,244.73	11,924.78	7,243.83	141.47	141.21	-89.86	-996.11	-3,576.18	357.12	74.48	282.64	1.264 Level 3		
12,000.00	7,244.92	12,024.78	7,244.04	144.24	143.97	-89.86	-996.61	-3,676.18	358.02	69.85	288.17	1.242 Level 2		
12,100.00	7,245.10	12,124.77	7,244.26	147.01	146.74	-89.87	-997.12	-3,776.17	358.92	65.21	293.71	1.222 Level 2		
12,200.00	7,245.29	12,224.77	7,244.47	149.78	149.51	-89.87	-997.63	-3,876.17	359.82	60.56	299.26	1.202 Level 2		
12,300.00	7,245.48	12,324.77	7,244.68	152.56	152.28	-89.87	-998.14	-3,976.16	360.72	55.91	304.81	1.183 Level 2		
12,400.00	7,245.66	12,424.76	7,244.90	155.34	155.06	-89.88	-998.65	-4,076.16	361.62	51.25	310.36	1.165 Level 2		
12,500.00	7,245.85	12,524.76	7,245.11	158.12	157.84	-89.88	-999.16	-4,176.15	362.52	46.59	315.93	1.147 Level 2		
12,600.00	7,246.04	12,624.75	7,245.32	160.91	160.62	-89.89	-999.66	-4,276.14	363.42	41.92	321.50	1.130 Level 2		
12,700.00	7,246.22	12,724.75	7,245.53	163.70	163.40	-89.89	-1,000.17	-4,376.14	364.31	37.25	327.07	1.114 Level 2		
12,800.00	7,246.41	12,824.74	7,245.75	166.49	166.19	-89.90	-1,000.68	-4,476.13	365.21	32.57	332.65	1.098 Level 2		
12,900.00	7,246.59	12,924.74	7,245.96	169.28	168.98	-89.90	-1,001.19	-4,576.13	366.11	27.88	338.23	1.082 Level 2		
13,000.00	7,246.78	13,024.74	7,246.17	172.08	171.77	-89.91	-1,001.70	-4,676.12	367.01	23.19	343.82	1.067 Level 2		
13,100.00	7,246.97	13,124.73	7,246.39	174.88	174.57	-89.91	-1,002.20	-4,776.12	367.91	18.50	349.41	1.053 Level 2		
13,200.00	7,247.15	13,224.73	7,246.60	177.68	177.36	-89.91	-1,002.71	-4,876.11	368.81	13.80	355.01	1.039 Level 2		
13,300.00	7,247.34	13,324.72	7,246.81	180.48	180.16	-89.92	-1,003.22	-4,976.11	369.71	9.10	360.61	1.025 Level 2		
13,400.00	7,247.53	13,424.72	7,247.03	183.28	182.96	-89.92	-1,003.73	-5,076.10	370.61	4.40	366.21	1.012 Level 2		
13,500.00	7,247.71	13,524.72	7,247.24	186.09	185.76	-89.93	-1,004.24	-5,176.09	371.51	-0.31	371.82	0.999 Level 1		
13,600.00	7,247.90	13,624.71	7,247.45	188.90	188.56	-89.93	-1,004.75	-5,276.09	372.40	-5.02	377.43	0.987 Level 1		
13,700.00	7,248.08	13,724.71	7,247.66	191.70	191.37	-89.94	-1,005.25	-5,376.08	373.30	-9.74	383.04	0.975 Level 1		
13,800.00	7,248.27	13,824.70	7,247.88	194.52	194.18	-89.94	-1,005.76	-5,476.08	374.20	-14.46	388.66	0.963 Level 1		
13,900.00	7,248.46	13,924.70	7,248.09	197.33	196.98	-89.94	-1,006.27	-5,576.07	375.10	-19.18	394.28	0.951 Level 1		
14,000.00	7,248.64	14,024.70	7,248.30	200.14	199.79	-89.95	-1,006.78	-5,676.07	376.00	-23.90	399.90	0.940 Level 1		
14,100.00	7,248.83	14,124.69	7,248.52	202.95	202.60	-89.95	-1,007.29	-5,776.06	376.90	-28.63	405.53	0.929 Level 1		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,224.69	7,248.73	205.77	205.42	-89.96	-1,007.80	-5,876.06	377.80	-33.36	411.15	0.919	Level 1	
14,300.00	7,249.20	14,324.68	7,248.94	208.59	208.23	-89.96	-1,008.30	-5,976.05	378.70	-38.09	416.78	0.909	Level 1	
14,400.00	7,249.39	14,424.68	7,249.16	211.41	211.04	-89.97	-1,008.81	-6,076.04	379.60	-42.82	422.42	0.899	Level 1	
14,500.00	7,249.58	14,524.68	7,249.37	214.23	213.86	-89.97	-1,009.32	-6,176.04	380.49	-47.56	428.05	0.889	Level 1	
14,600.00	7,249.76	14,624.67	7,249.58	217.05	216.68	-89.97	-1,009.83	-6,276.03	381.39	-52.30	433.69	0.879	Level 1	
14,700.00	7,249.95	14,724.67	7,249.79	219.87	219.49	-89.98	-1,010.34	-6,376.03	382.29	-57.04	439.33	0.870	Level 1	
14,800.00	7,250.13	14,824.66	7,250.01	222.69	222.31	-89.98	-1,010.84	-6,476.02	383.19	-61.78	444.97	0.861	Level 1	
14,900.00	7,250.32	14,924.66	7,250.22	225.51	225.13	-89.99	-1,011.35	-6,576.02	384.09	-66.52	450.61	0.852	Level 1	
15,000.00	7,250.51	15,024.66	7,250.43	228.34	227.95	-89.99	-1,011.86	-6,676.01	384.99	-71.27	456.26	0.844	Level 1	
15,100.00	7,250.69	15,124.65	7,250.65	231.16	230.77	-89.99	-1,012.37	-6,776.01	385.89	-76.02	461.91	0.835	Level 1	
15,200.00	7,250.88	15,224.65	7,250.86	233.99	233.60	-90.00	-1,012.88	-6,876.00	386.79	-80.77	467.56	0.827	Level 1	
15,300.00	7,251.07	15,324.64	7,251.07	236.82	236.42	-90.00	-1,013.39	-6,975.99	387.69	-85.52	473.21	0.819	Level 1	
15,400.00	7,251.25	15,424.64	7,251.29	239.65	239.25	-90.01	-1,013.89	-7,075.99	388.59	-90.27	478.86	0.811	Level 1	
15,500.00	7,251.44	15,524.64	7,251.50	242.47	242.07	-90.01	-1,014.40	-7,175.98	389.48	-95.03	484.51	0.804	Level 1	
15,600.00	7,251.62	15,624.63	7,251.71	245.30	244.90	-90.01	-1,014.91	-7,275.98	390.38	-99.78	490.17	0.796	Level 1	
15,700.00	7,251.81	15,724.63	7,251.92	248.13	247.72	-90.02	-1,015.42	-7,375.97	391.28	-104.54	495.82	0.789	Level 1	
15,800.00	7,252.00	15,824.62	7,252.14	250.97	250.55	-90.02	-1,015.93	-7,475.97	392.18	-109.30	501.48	0.782	Level 1	
15,900.00	7,252.18	15,924.62	7,252.35	253.80	253.38	-90.03	-1,016.44	-7,575.96	393.08	-114.06	507.14	0.775	Level 1	
16,000.00	7,252.37	16,024.62	7,252.56	256.63	256.21	-90.03	-1,016.94	-7,675.96	393.98	-118.82	512.80	0.768	Level 1	
16,100.00	7,252.56	16,124.61	7,252.78	259.46	259.04	-90.03	-1,017.45	-7,775.95	394.88	-123.59	518.46	0.762	Level 1	
16,200.00	7,252.74	16,224.61	7,252.99	262.30	261.87	-90.04	-1,017.96	-7,875.94	395.78	-128.35	524.13	0.755	Level 1	
16,300.00	7,252.93	16,324.60	7,253.20	265.13	264.70	-90.04	-1,018.47	-7,975.94	396.68	-133.12	529.79	0.749	Level 1	
16,400.00	7,253.11	16,424.60	7,253.42	267.96	267.53	-90.04	-1,018.98	-8,075.93	397.57	-137.88	535.46	0.742	Level 1	
16,500.00	7,253.30	16,524.60	7,253.63	270.80	270.36	-90.05	-1,019.48	-8,175.93	398.47	-142.65	541.13	0.736	Level 1	
16,600.00	7,253.49	16,624.59	7,253.84	273.64	273.19	-90.05	-1,019.99	-8,275.92	399.37	-147.42	546.79	0.730	Level 1	
16,700.00	7,253.67	16,724.59	7,254.05	276.47	276.03	-90.06	-1,020.50	-8,375.92	400.27	-152.19	552.46	0.725	Level 1	
16,800.00	7,253.86	16,824.58	7,254.27	279.31	278.86	-90.06	-1,021.01	-8,475.91	401.17	-156.96	558.13	0.719	Level 1	
16,900.00	7,254.05	16,924.58	7,254.48	282.15	281.69	-90.06	-1,021.52	-8,575.91	402.07	-161.73	563.80	0.713	Level 1	
17,000.00	7,254.23	17,024.58	7,254.69	284.98	284.53	-90.07	-1,022.03	-8,675.90	402.97	-166.51	569.48	0.708	Level 1	
17,100.00	7,254.42	17,124.57	7,254.91	287.82	287.36	-90.07	-1,022.53	-8,775.89	403.87	-171.28	575.15	0.702	Level 1	
17,200.00	7,254.61	17,224.57	7,255.12	290.66	290.20	-90.07	-1,023.04	-8,875.89	404.77	-176.06	580.82	0.697	Level 1	
17,300.00	7,254.79	17,324.56	7,255.33	293.50	293.03	-90.08	-1,023.55	-8,975.88	405.67	-180.83	586.50	0.692	Level 1	
17,400.00	7,254.98	17,424.56	7,255.55	296.34	295.87	-90.08	-1,024.06	-9,075.88	406.56	-185.61	592.17	0.687	Level 1	
17,500.00	7,255.16	17,524.56	7,255.76	299.18	298.71	-90.08	-1,024.57	-9,175.87	407.46	-190.39	597.85	0.682	Level 1	
17,600.00	7,255.35	17,624.55	7,255.97	302.02	301.54	-90.09	-1,025.08	-9,275.87	408.36	-195.16	603.53	0.677	Level 1	
17,700.00	7,255.54	17,724.55	7,256.18	304.86	304.38	-90.09	-1,025.58	-9,375.86	409.26	-199.94	609.20	0.672	Level 1	
17,800.00	7,255.72	17,824.54	7,256.40	307.70	307.22	-90.10	-1,026.09	-9,475.86	410.16	-204.72	614.88	0.667	Level 1	
17,900.00	7,255.91	17,924.54	7,256.61	310.54	310.06	-90.10	-1,026.60	-9,575.85	411.06	-209.50	620.56	0.662	Level 1	
18,000.00	7,256.10	18,024.53	7,256.82	313.39	312.90	-90.10	-1,027.11	-9,675.84	411.96	-214.28	626.24	0.658	Level 1	
18,100.00	7,256.28	18,124.53	7,257.04	316.23	315.73	-90.11	-1,027.62	-9,775.84	412.86	-219.07	631.92	0.653	Level 1	
18,200.00	7,256.47	18,224.53	7,257.25	319.07	318.57	-90.11	-1,028.12	-9,875.83	413.76	-223.85	637.61	0.649	Level 1	
18,300.00	7,256.65	18,324.52	7,257.46	321.91	321.41	-90.11	-1,028.63	-9,975.83	414.65	-228.63	643.29	0.645	Level 1	
18,400.00	7,256.84	18,424.52	7,257.68	324.76	324.25	-90.12	-1,029.14	-10,075.82	415.55	-233.42	648.97	0.640	Level 1	
18,500.00	7,257.03	18,524.51	7,257.89	327.60	327.09	-90.12	-1,029.65	-10,175.82	416.45	-238.20	654.65	0.636	Level 1	
18,600.00	7,257.21	18,624.51	7,258.10	330.44	329.93	-90.12	-1,030.16	-10,275.81	417.35	-242.99	660.34	0.632	Level 1	
18,700.00	7,257.40	18,724.51	7,258.31	333.29	332.77	-90.13	-1,030.67	-10,375.81	418.25	-247.77	666.02	0.628	Level 1	
18,800.00	7,257.59	18,824.50	7,258.53	336.13	335.62	-90.13	-1,031.17	-10,475.80	419.15	-252.56	671.71	0.624	Level 1	
18,900.00	7,257.77	18,924.50	7,258.74	338.98	338.46	-90.13	-1,031.68	-10,575.79	420.05	-257.35	677.39	0.620	Level 1	
19,000.00	7,257.96	19,024.49	7,258.95	341.82	341.30	-90.14	-1,032.19	-10,675.79	420.95	-262.13	683.08	0.616	Level 1	
19,022.43	7,258.00	19,046.92	7,259.00	342.46	341.94	-90.14	-1,032.30	-10,698.22	421.15	-263.21	684.36	0.615	Level 1, ES, SF	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.64	-44.81	-0.28	44.81					
100.00	100.00	100.00	100.00	3.28	3.28	-179.64	-44.81	-0.28	44.81	38.24	6.57	6.821		
200.00	200.00	200.00	200.00	3.34	3.34	-179.64	-44.81	-0.28	44.81	38.14	6.67	6.714 CC, ES		
300.00	300.00	298.91	298.89	3.44	3.44	178.79	-45.97	0.97	46.00	39.11	6.89	6.676		
400.00	399.98	397.68	397.53	3.60	3.59	60.24	-49.46	4.71	48.86	41.65	7.21	6.780		
500.00	499.84	496.32	495.79	3.79	3.79	58.71	-55.25	10.92	52.56	44.94	7.61	6.903		
600.00	599.45	594.80	593.56	4.03	4.03	58.07	-63.33	19.59	57.03	48.92	8.10	7.036		
700.00	698.70	693.13	690.70	4.30	4.30	58.14	-73.68	30.69	62.24	53.57	8.67	7.181		
800.00	797.47	791.28	787.09	4.61	4.62	58.75	-86.28	44.19	68.18	58.89	9.29	7.340		
900.00	895.62	889.25	882.62	4.96	4.97	59.75	-101.08	60.07	74.88	64.91	9.97	7.512		
939.50	934.20	927.89	920.09	5.10	5.13	60.23	-107.54	66.99	77.73	67.48	10.25	7.582		
1,000.00	993.20	987.00	977.14	5.33	5.37	60.72	-118.07	78.29	82.65	71.95	10.70	7.723		
1,100.00	1,090.72	1,086.47	1,072.82	5.73	5.80	60.88	-136.61	98.16	91.67	80.19	11.47	7.988		
1,200.00	1,188.24	1,186.06	1,168.62	6.15	6.25	61.01	-155.17	118.07	100.69	88.40	12.29	8.194		
1,300.00	1,285.76	1,285.65	1,264.42	6.59	6.72	61.11	-173.73	137.97	109.71	96.57	13.13	8.353		
1,400.00	1,383.28	1,385.24	1,360.22	7.04	7.21	61.21	-192.29	157.88	118.73	104.72	14.00	8.478		
1,500.00	1,480.80	1,484.84	1,456.02	7.50	7.71	61.28	-210.85	177.78	127.75	112.85	14.90	8.575		
1,600.00	1,578.31	1,584.43	1,551.83	7.96	8.22	61.35	-229.42	197.69	136.77	120.96	15.81	8.651		
1,700.00	1,675.83	1,684.02	1,647.63	8.44	8.73	61.41	-247.98	217.59	145.79	129.05	16.74	8.711		
1,800.00	1,773.35	1,783.61	1,743.43	8.92	9.25	61.47	-266.54	237.50	154.81	137.14	17.68	8.758		
1,900.00	1,870.87	1,883.20	1,839.23	9.40	9.78	61.51	-285.10	257.41	163.83	145.21	18.63	8.796		
2,000.00	1,968.39	1,982.80	1,935.03	9.89	10.32	61.56	-303.67	277.31	172.86	153.27	19.59	8.825		
2,100.00	2,065.91	2,082.39	2,030.83	10.39	10.85	61.59	-322.23	297.22	181.88	161.32	20.55	8.849		
2,200.00	2,163.43	2,181.98	2,126.63	10.88	11.39	61.63	-340.79	317.12	190.90	169.37	21.53	8.868		
2,300.00	2,260.95	2,281.57	2,222.43	11.38	11.93	61.66	-359.35	337.03	199.92	177.41	22.51	8.882		
2,400.00	2,358.46	2,381.16	2,318.23	11.89	12.48	61.69	-377.91	356.93	208.94	185.45	23.49	8.894		
2,500.00	2,455.98	2,480.76	2,414.03	12.39	13.03	61.71	-396.48	376.84	217.97	193.48	24.48	8.902		
2,600.00	2,553.50	2,580.35	2,509.83	12.89	13.58	61.74	-415.04	396.74	226.99	201.51	25.48	8.909		
2,700.00	2,651.02	2,679.94	2,605.63	13.40	14.13	61.76	-433.60	416.65	236.01	209.53	26.48	8.914		
2,800.00	2,748.54	2,779.53	2,701.44	13.91	14.68	61.78	-452.16	436.55	245.03	217.55	27.48	8.918		
2,900.00	2,846.06	2,879.13	2,797.24	14.42	15.24	61.80	-470.72	456.46	254.05	225.57	28.48	8.920		
3,000.00	2,943.58	2,978.72	2,893.04	14.93	15.79	61.82	-489.29	476.37	263.08	233.59	29.49	8.921		
3,100.00	3,041.10	3,078.31	2,988.84	15.45	16.35	61.83	-507.85	496.27	272.10	241.60	30.50	8.922		
3,200.00	3,138.61	3,177.90	3,084.64	15.96	16.91	61.85	-526.41	516.18	281.12	249.61	31.51	8.922		
3,300.00	3,236.13	3,277.49	3,180.44	16.47	17.47	61.86	-544.97	536.08	290.14	257.62	32.52	8.922		
3,400.00	3,333.65	3,377.09	3,276.24	16.99	18.03	61.88	-563.54	555.99	299.17	265.63	33.54	8.921		
3,500.00	3,431.17	3,476.68	3,372.04	17.50	18.59	61.89	-582.10	575.89	308.19	273.64	34.55	8.920		
3,600.00	3,528.69	3,576.27	3,467.84	18.02	19.15	61.90	-600.66	595.80	317.21	281.64	35.57	8.918		
3,700.00	3,626.21	3,675.86	3,563.64	18.54	19.71	61.92	-619.22	615.70	326.23	289.64	36.59	8.916		
3,800.00	3,723.73	3,775.45	3,659.44	19.06	20.27	61.93	-637.78	635.61	335.26	297.65	37.61	8.914		
3,900.00	3,821.25	3,875.05	3,755.25	19.57	20.83	61.94	-656.35	655.51	344.28	305.65	38.63	8.912		
4,000.00	3,918.77	3,974.64	3,851.05	20.09	21.40	61.95	-674.91	675.42	353.30	313.65	39.65	8.910		
4,100.00	4,016.28	4,074.23	3,946.85	20.61	21.96	61.96	-693.47	695.33	362.32	321.65	40.68	8.908		
4,200.00	4,113.80	4,173.82	4,042.65	21.13	22.52	61.96	-712.03	715.23	371.35	329.65	41.70	8.905		
4,300.00	4,211.32	4,273.42	4,138.45	21.65	23.09	61.97	-730.60	735.14	380.37	337.64	42.73	8.903		
4,400.00	4,308.84	4,373.01	4,234.25	22.17	23.65	61.98	-749.16	755.04	389.39	345.64	43.75	8.900		
4,500.00	4,406.36	4,472.60	4,330.05	22.69	24.22	61.99	-767.72	774.95	398.41	353.64	44.78	8.898		
4,600.00	4,503.88	4,572.19	4,425.85	23.21	24.78	62.00	-786.28	794.85	407.44	361.63	45.80	8.895		
4,700.00	4,601.40	4,671.78	4,521.65	23.73	25.35	62.00	-804.84	814.76	416.46	369.62	46.83	8.892		
4,800.00	4,698.92	4,771.38	4,617.45	24.26	25.91	62.01	-823.41	834.66	425.48	377.62	47.86	8.890		
4,900.00	4,796.43	4,870.97	4,713.25	24.78	26.48	62.02	-841.97	854.57	434.50	385.61	48.89	8.887		
5,000.00	4,893.95	4,970.56	4,809.06	25.30	27.05	62.02	-860.53	874.48	443.53	393.61	49.92	8.885		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,070.15	4,904.86	25.82	27.61	62.03	-879.09	894.38	452.55	401.60	50.95	8.882		
5,200.00	5,088.99	5,169.74	5,000.66	26.34	28.18	62.03	-897.65	914.29	461.57	409.59	51.98	8.880		
5,300.00	5,186.51	5,269.34	5,096.46	26.87	28.75	62.04	-916.22	934.19	470.59	417.58	53.01	8.877		
5,400.00	5,284.03	5,368.93	5,192.26	27.39	29.31	62.05	-934.78	954.10	479.62	425.57	54.04	8.875		
5,500.00	5,381.55	5,468.52	5,288.06	27.91	29.88	62.05	-953.34	974.00	488.64	433.56	55.07	8.872		
5,600.00	5,479.07	5,568.11	5,383.86	28.43	30.45	62.06	-971.90	993.91	497.66	441.55	56.11	8.870		
5,700.00	5,576.58	5,667.71	5,479.66	28.96	31.02	62.06	-990.47	1,013.81	506.68	449.54	57.14	8.868		
5,800.00	5,674.10	5,767.30	5,575.46	29.48	31.58	62.06	-1,009.03	1,033.72	515.71	457.53	58.17	8.865		
5,900.00	5,771.62	5,866.89	5,671.26	30.00	32.15	62.07	-1,027.59	1,053.62	524.73	465.52	59.20	8.863		
6,000.00	5,869.14	5,966.48	5,767.06	30.53	32.72	62.07	-1,046.15	1,073.53	533.75	473.51	60.24	8.861		
6,100.00	5,966.66	6,066.07	5,862.87	31.05	33.29	62.08	-1,064.71	1,093.44	542.77	481.50	61.27	8.859		
6,200.00	6,064.18	6,165.67	5,958.67	31.58	33.86	62.08	-1,083.28	1,113.34	551.80	489.49	62.30	8.856		
6,300.00	6,161.70	6,265.26	6,054.47	32.10	34.43	62.09	-1,101.84	1,133.25	560.82	497.48	63.34	8.854		
6,400.00	6,259.22	6,364.85	6,150.27	32.62	34.99	62.09	-1,120.40	1,153.15	569.84	505.47	64.37	8.852		
6,500.00	6,356.74	6,464.44	6,246.07	33.15	35.56	62.09	-1,138.96	1,173.06	578.86	513.46	65.41	8.850		
6,600.00	6,454.25	6,564.30	6,342.25	33.67	36.12	62.16	-1,157.59	1,192.37	587.88	521.43	66.45	8.848		
6,623.48	6,477.15	6,587.82	6,365.12	33.80	36.25	62.31	-1,162.02	1,195.58	589.98	523.29	66.70	8.846		
6,650.00	6,503.12	6,614.28	6,390.97	33.93	36.38	57.14	-1,167.01	1,198.17	592.37	525.40	66.97	8.845		
6,700.00	6,552.50	6,663.90	6,439.65	34.16	36.59	39.05	-1,176.39	1,200.07	596.94	529.48	67.45	8.850		
6,750.00	6,602.21	6,713.22	6,488.03	34.36	36.78	1.81	-1,185.70	1,198.12	601.55	533.67	67.87	8.863		
6,800.00	6,651.92	6,762.25	6,535.84	34.54	36.94	-36.34	-1,194.87	1,192.41	606.18	537.92	68.26	8.881		
6,850.00	6,701.33	6,810.99	6,582.81	34.70	37.08	-55.23	-1,203.86	1,183.03	610.79	542.17	68.62	8.901		
6,900.00	6,750.14	6,859.47	6,628.70	34.86	37.21	-63.98	-1,212.61	1,170.11	615.36	546.38	68.98	8.921		
6,950.00	6,798.04	6,907.71	6,673.26	35.02	37.35	-68.54	-1,221.10	1,153.76	619.86	550.52	69.35	8.939		
7,000.00	6,844.75	6,955.71	6,716.28	35.19	37.48	-71.14	-1,229.26	1,134.13	624.25	554.53	69.72	8.953		
7,050.00	6,889.97	7,003.49	6,757.55	35.37	37.62	-72.71	-1,237.07	1,111.37	628.51	558.40	70.12	8.964		
7,100.00	6,933.42	7,051.08	6,796.87	35.57	37.77	-73.67	-1,244.49	1,085.64	632.61	562.07	70.53	8.969		
7,150.00	6,974.83	7,098.48	6,834.06	35.79	37.93	-74.27	-1,251.48	1,057.10	636.51	565.53	70.98	8.967		
7,200.00	7,013.96	7,145.72	6,868.95	36.02	38.11	-74.63	-1,258.02	1,025.94	640.20	568.73	71.47	8.958		
7,250.00	7,050.56	7,192.81	6,901.37	36.28	38.30	-74.84	-1,264.06	992.34	643.64	571.64	72.00	8.939		
7,300.00	7,084.39	7,239.77	6,931.19	36.57	38.52	-74.95	-1,269.59	956.50	646.82	574.23	72.59	8.911		
7,350.00	7,115.27	7,286.62	6,958.28	36.89	38.77	-74.99	-1,274.58	918.62	649.71	576.48	73.23	8.872		
7,400.00	7,142.99	7,333.36	6,982.51	37.25	39.04	-74.99	-1,279.01	878.91	652.29	578.36	73.94	8.822		
7,450.00	7,167.38	7,380.02	7,003.78	37.65	39.34	-74.97	-1,282.86	837.57	654.55	579.84	74.71	8.761		
7,500.00	7,188.30	7,426.62	7,022.00	38.08	39.67	-74.94	-1,286.12	794.82	656.48	580.92	75.56	8.688		
7,550.00	7,205.61	7,473.15	7,037.09	38.55	40.04	-74.91	-1,288.76	750.89	658.05	581.57	76.48	8.604		
7,600.00	7,219.20	7,519.65	7,048.97	39.06	40.44	-74.89	-1,290.79	705.99	659.26	581.79	77.46	8.510		
7,650.00	7,229.00	7,566.12	7,057.61	39.61	40.87	-74.88	-1,292.18	660.36	660.10	581.58	78.52	8.407		
7,700.00	7,234.95	7,612.59	7,062.96	40.18	41.34	-74.88	-1,292.94	614.22	660.57	580.94	79.63	8.296		
7,750.07	7,237.00	7,664.88	7,064.99	40.78	41.89	-74.91	-1,293.06	567.96	660.65	579.80	80.85	8.171		
7,800.00	7,237.09	7,708.84	7,065.16	41.41	42.39	-74.91	-1,292.79	518.03	660.57	578.50	82.07	8.049		
7,900.00	7,237.28	7,808.84	7,065.50	42.79	43.64	-74.92	-1,292.27	418.03	660.40	575.54	84.85	7.783		
8,000.00	7,237.47	7,908.84	7,065.85	44.31	45.07	-74.93	-1,291.74	318.03	660.23	572.30	87.92	7.509		
8,100.00	7,237.65	8,008.83	7,066.19	45.97	46.65	-74.94	-1,291.22	218.04	660.06	568.84	91.22	7.236		
8,200.00	7,237.84	8,108.83	7,066.53	47.75	48.35	-74.95	-1,290.70	118.04	659.89	565.17	94.72	6.967		
8,300.00	7,238.02	8,208.83	7,066.88	49.63	50.17	-74.96	-1,290.17	18.04	659.72	561.31	98.41	6.704		
8,400.00	7,238.21	8,308.83	7,067.22	51.61	52.09	-74.97	-1,289.65	-81.96	659.55	557.28	102.27	6.449		
8,500.00	7,238.40	8,408.83	7,067.57	53.66	54.10	-74.98	-1,289.12	-181.96	659.38	553.10	106.28	6.204		
8,600.00	7,238.58	8,508.83	7,067.91	55.79	56.20	-74.99	-1,288.60	-281.95	659.21	548.79	110.42	5.970		
8,700.00	7,238.77	8,608.83	7,068.25	57.99	58.36	-75.00	-1,288.07	-381.95	659.04	544.35	114.68	5.747		
8,800.00	7,238.96	8,708.83	7,068.60	60.24	60.58	-75.01	-1,287.55	-481.95	658.87	539.81	119.05	5.534		
8,900.00	7,239.14	8,808.83	7,068.94	62.54	62.86	-75.03	-1,287.02	-581.95	658.70	535.18	123.52	5.333		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	8,908.83	7,069.28	64.88	65.18	-75.04	-1,286.50	-681.94	658.53	530.46	128.07	5.142		
9,100.00	7,239.52	9,008.83	7,069.63	67.27	67.55	-75.05	-1,285.98	-781.94	658.36	525.67	132.69	4.962		
9,200.00	7,239.70	9,108.83	7,069.97	69.69	69.96	-75.06	-1,285.45	-881.94	658.19	520.80	137.39	4.791		
9,300.00	7,239.89	9,208.83	7,070.31	72.15	72.40	-75.07	-1,284.93	-981.94	658.02	515.88	142.14	4.629		
9,400.00	7,240.07	9,308.83	7,070.66	74.63	74.87	-75.08	-1,284.40	-1,081.94	657.85	510.89	146.96	4.477		
9,500.00	7,240.26	9,408.83	7,071.00	77.14	77.37	-75.09	-1,283.88	-1,181.93	657.68	505.86	151.82	4.332		
9,600.00	7,240.45	9,508.83	7,071.35	79.68	79.90	-75.10	-1,283.35	-1,281.93	657.51	500.78	156.73	4.195		
9,700.00	7,240.63	9,608.83	7,071.69	82.23	82.44	-75.11	-1,282.83	-1,381.93	657.34	495.66	161.68	4.066		
9,800.00	7,240.82	9,708.83	7,072.03	84.81	85.01	-75.12	-1,282.30	-1,481.93	657.17	490.50	166.67	3.943		
9,900.00	7,241.01	9,808.83	7,072.38	87.40	87.60	-75.13	-1,281.78	-1,581.93	657.00	485.30	171.70	3.827		
10,000.00	7,241.19	9,908.83	7,072.72	90.01	90.20	-75.14	-1,281.25	-1,681.92	656.83	480.08	176.75	3.716		
10,100.00	7,241.38	10,008.83	7,073.06	92.64	92.82	-75.15	-1,280.73	-1,781.92	656.66	474.82	181.84	3.611		
10,200.00	7,241.56	10,108.83	7,073.41	95.28	95.45	-75.16	-1,280.21	-1,881.92	656.49	469.54	186.95	3.512		
10,300.00	7,241.75	10,208.83	7,073.75	97.93	98.10	-75.17	-1,279.68	-1,981.92	656.32	464.23	192.09	3.417		
10,400.00	7,241.94	10,308.83	7,074.10	100.59	100.75	-75.18	-1,279.16	-2,081.91	656.15	458.90	197.26	3.326		
10,500.00	7,242.12	10,408.83	7,074.44	103.26	103.42	-75.19	-1,278.63	-2,181.91	655.98	453.54	202.44	3.240		
10,600.00	7,242.31	10,508.83	7,074.78	105.95	106.10	-75.20	-1,278.11	-2,281.91	655.81	448.17	207.64	3.158		
10,700.00	7,242.50	10,608.83	7,075.13	108.64	108.79	-75.21	-1,277.58	-2,381.91	655.64	442.78	212.86	3.080		
10,800.00	7,242.68	10,708.83	7,075.47	111.34	111.49	-75.22	-1,277.06	-2,481.91	655.47	437.37	218.10	3.005		
10,900.00	7,242.87	10,808.83	7,075.81	114.05	114.20	-75.23	-1,276.53	-2,581.90	655.30	431.95	223.36	2.934		
11,000.00	7,243.05	10,908.83	7,076.16	116.76	116.91	-75.24	-1,276.01	-2,681.90	655.13	426.51	228.63	2.866		
11,100.00	7,243.24	11,008.83	7,076.50	119.49	119.63	-75.25	-1,275.49	-2,781.90	654.96	421.05	233.91	2.800		
11,200.00	7,243.43	11,108.83	7,076.85	122.22	122.36	-75.26	-1,274.96	-2,881.90	654.79	415.59	239.21	2.737		
11,300.00	7,243.61	11,208.83	7,077.19	124.95	125.09	-75.27	-1,274.44	-2,981.89	654.62	410.11	244.51	2.677		
11,400.00	7,243.80	11,308.83	7,077.53	127.69	127.83	-75.28	-1,273.91	-3,081.89	654.46	404.62	249.83	2.620		
11,500.00	7,243.99	11,408.83	7,077.88	130.44	130.57	-75.29	-1,273.39	-3,181.89	654.29	399.12	255.16	2.564		
11,600.00	7,244.17	11,508.83	7,078.22	133.19	133.32	-75.30	-1,272.86	-3,281.89	654.12	393.61	260.50	2.511		
11,700.00	7,244.36	11,608.83	7,078.56	135.94	136.07	-75.31	-1,272.34	-3,381.89	653.95	388.09	265.85	2.460		
11,800.00	7,244.55	11,708.83	7,078.91	138.70	138.83	-75.32	-1,271.81	-3,481.88	653.78	382.56	271.21	2.411		
11,900.00	7,244.73	11,808.83	7,079.25	141.47	141.59	-75.33	-1,271.29	-3,581.88	653.61	377.03	276.58	2.363		
12,000.00	7,244.92	11,908.83	7,079.59	144.24	144.36	-75.34	-1,270.76	-3,681.88	653.44	371.48	281.96	2.318		
12,100.00	7,245.10	12,008.83	7,079.94	147.01	147.13	-75.35	-1,270.24	-3,781.88	653.27	365.93	287.34	2.274		
12,200.00	7,245.29	12,108.83	7,080.28	149.78	149.90	-75.37	-1,269.72	-3,881.88	653.10	360.37	292.73	2.231		
12,300.00	7,245.48	12,208.83	7,080.63	152.56	152.68	-75.38	-1,269.19	-3,981.87	652.93	354.80	298.13	2.190		
12,400.00	7,245.66	12,308.83	7,080.97	155.34	155.46	-75.39	-1,268.67	-4,081.87	652.76	349.23	303.53	2.151		
12,500.00	7,245.85	12,408.83	7,081.31	158.12	158.24	-75.40	-1,268.14	-4,181.87	652.59	343.65	308.94	2.112		
12,600.00	7,246.04	12,508.83	7,081.66	160.91	161.02	-75.41	-1,267.62	-4,281.87	652.42	338.07	314.36	2.075		
12,700.00	7,246.22	12,608.83	7,082.00	163.70	163.81	-75.42	-1,267.09	-4,381.86	652.25	332.47	319.78	2.040		
12,800.00	7,246.41	12,708.83	7,082.34	166.49	166.60	-75.43	-1,266.57	-4,481.86	652.09	326.88	325.21	2.005		
12,900.00	7,246.59	12,808.83	7,082.69	169.28	169.40	-75.44	-1,266.04	-4,581.86	651.92	321.28	330.64	1.972		
13,000.00	7,246.78	12,908.83	7,083.03	172.08	172.19	-75.45	-1,265.52	-4,681.86	651.75	315.67	336.08	1.939		
13,100.00	7,246.97	13,008.83	7,083.38	174.88	174.99	-75.46	-1,265.00	-4,781.86	651.58	310.06	341.52	1.908		
13,200.00	7,247.15	13,108.83	7,083.72	177.68	177.79	-75.47	-1,264.47	-4,881.85	651.41	304.44	346.96	1.877		
13,300.00	7,247.34	13,208.83	7,084.06	180.48	180.59	-75.48	-1,263.95	-4,981.85	651.24	298.83	352.41	1.848		
13,400.00	7,247.53	13,308.83	7,084.41	183.28	183.39	-75.49	-1,263.42	-5,081.85	651.07	293.20	357.87	1.819		
13,500.00	7,247.71	13,408.83	7,084.75	186.09	186.20	-75.50	-1,262.90	-5,181.85	650.90	287.57	363.33	1.791		
13,600.00	7,247.90	13,508.83	7,085.09	188.90	189.00	-75.51	-1,262.37	-5,281.84	650.73	281.94	368.79	1.765		
13,700.00	7,248.08	13,608.83	7,085.44	191.70	191.81	-75.52	-1,261.85	-5,381.84	650.56	276.31	374.26	1.738		
13,800.00	7,248.27	13,708.83	7,085.78	194.52	194.62	-75.53	-1,261.32	-5,481.84	650.40	270.67	379.73	1.713		
13,900.00	7,248.46	13,808.83	7,086.12	197.33	197.43	-75.54	-1,260.80	-5,581.84	650.23	265.03	385.20	1.688		
14,000.00	7,248.64	13,908.83	7,086.47	200.14	200.25	-75.55	-1,260.27	-5,681.84	650.06	259.38	390.68	1.664		
14,100.00	7,248.83	14,008.83	7,086.81	202.95	203.06	-75.56	-1,259.75	-5,781.83	649.89	253.73	396.16	1.640		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,108.82	7,087.16	205.77	205.87	-75.57	-1,259.23	-5,881.83	649.72	248.08	401.64	1.618		
14,300.00	7,249.20	14,208.82	7,087.50	208.59	208.69	-75.58	-1,258.70	-5,981.83	649.55	242.43	407.12	1.595		
14,400.00	7,249.39	14,308.82	7,087.84	211.41	211.51	-75.60	-1,258.18	-6,081.83	649.38	236.77	412.61	1.574		
14,500.00	7,249.58	14,408.82	7,088.19	214.23	214.33	-75.61	-1,257.65	-6,181.83	649.21	231.11	418.10	1.553		
14,600.00	7,249.76	14,508.82	7,088.53	217.05	217.15	-75.62	-1,257.13	-6,281.82	649.05	225.45	423.60	1.532		
14,700.00	7,249.95	14,608.82	7,088.87	219.87	219.97	-75.63	-1,256.60	-6,381.82	648.88	219.78	429.09	1.512		
14,800.00	7,250.13	14,708.82	7,089.22	222.69	222.79	-75.64	-1,256.08	-6,481.82	648.71	214.12	434.59	1.493 Level 3		
14,900.00	7,250.32	14,808.82	7,089.56	225.51	225.62	-75.65	-1,255.55	-6,581.82	648.54	208.45	440.09	1.474 Level 3		
15,000.00	7,250.51	14,908.82	7,089.91	228.34	228.44	-75.66	-1,255.03	-6,681.81	648.37	202.77	445.60	1.455 Level 3		
15,100.00	7,250.69	15,008.82	7,090.25	231.16	231.27	-75.67	-1,254.51	-6,781.81	648.20	197.10	451.10	1.437 Level 3		
15,200.00	7,250.88	15,108.82	7,090.59	233.99	234.09	-75.68	-1,253.98	-6,881.81	648.03	191.42	456.61	1.419 Level 3		
15,300.00	7,251.07	15,208.82	7,090.94	236.82	236.92	-75.69	-1,253.46	-6,981.81	647.86	185.74	462.12	1.402 Level 3		
15,324.55	7,251.11	15,232.28	7,091.02	237.51	237.58	-75.69	-1,253.34	-7,005.27	647.83	184.39	463.44	1.398 Level 3		
15,400.00	7,251.25	15,294.16	7,091.23	239.65	239.33	-75.72	-1,253.79	-7,067.15	648.62	181.52	467.10	1.389 Level 3		
15,500.00	7,251.44	15,387.00	7,091.56	242.47	241.94	-75.79	-1,256.34	-7,159.95	651.59	179.23	472.36	1.379 Level 3		
15,600.00	7,251.62	15,486.95	7,091.91	245.30	244.75	-75.88	-1,259.28	-7,259.85	654.78	176.78	478.00	1.370 Level 3		
15,700.00	7,251.81	15,586.89	7,092.26	248.13	247.56	-75.96	-1,262.21	-7,359.75	657.97	174.34	483.63	1.360 Level 3		
15,800.00	7,252.00	15,686.83	7,092.61	250.97	250.38	-76.05	-1,265.15	-7,459.65	661.16	171.89	489.27	1.351 Level 3		
15,900.00	7,252.18	15,786.78	7,092.96	253.80	253.19	-76.13	-1,268.09	-7,559.55	664.36	169.44	494.91	1.342 Level 3		
16,000.00	7,252.37	15,886.72	7,093.32	256.63	256.01	-76.21	-1,271.03	-7,659.45	667.55	166.99	500.56	1.334 Level 3		
16,100.00	7,252.56	15,986.67	7,093.67	259.46	258.82	-76.29	-1,273.97	-7,759.35	670.75	164.54	506.20	1.325 Level 3		
16,200.00	7,252.74	16,086.61	7,094.02	262.30	261.64	-76.37	-1,276.91	-7,859.25	673.94	162.09	511.85	1.317 Level 3		
16,300.00	7,252.93	16,186.56	7,094.37	265.13	264.46	-76.45	-1,279.85	-7,959.15	677.14	159.64	517.50	1.308 Level 3		
16,400.00	7,253.11	16,286.50	7,094.72	267.96	267.27	-76.53	-1,282.79	-8,059.05	680.34	157.19	523.16	1.300 Level 3		
16,500.00	7,253.30	16,386.45	7,095.07	270.80	270.09	-76.61	-1,285.73	-8,158.96	683.55	154.73	528.81	1.293 Level 3		
16,600.00	7,253.49	16,486.39	7,095.42	273.64	272.91	-76.69	-1,288.66	-8,258.86	686.75	152.28	534.47	1.285 Level 3		
16,700.00	7,253.67	16,586.33	7,095.78	276.47	275.73	-76.77	-1,291.60	-8,358.76	689.95	149.82	540.13	1.277 Level 3		
16,800.00	7,253.86	16,686.28	7,096.13	279.31	278.55	-76.84	-1,294.54	-8,458.66	693.16	147.37	545.79	1.270 Level 3		
16,900.00	7,254.05	16,786.22	7,096.48	282.15	281.37	-76.92	-1,297.48	-8,558.56	696.37	144.91	551.46	1.263 Level 3		
17,000.00	7,254.23	16,886.17	7,096.83	284.98	284.19	-76.99	-1,300.42	-8,658.46	699.57	142.45	557.12	1.256 Level 3		
17,100.00	7,254.42	16,986.11	7,097.18	287.82	287.02	-77.07	-1,303.36	-8,758.36	702.78	139.99	562.79	1.249 Level 2		
17,200.00	7,254.61	17,086.06	7,097.53	290.66	289.84	-77.14	-1,306.30	-8,858.26	705.99	137.53	568.46	1.242 Level 2		
17,300.00	7,254.79	17,186.00	7,097.89	293.50	292.66	-77.21	-1,309.24	-8,958.16	709.20	135.07	574.13	1.235 Level 2		
17,400.00	7,254.98	17,285.94	7,098.24	296.34	295.48	-77.29	-1,312.18	-9,058.06	712.42	132.61	579.80	1.229 Level 2		
17,500.00	7,255.16	17,385.89	7,098.59	299.18	298.31	-77.36	-1,315.12	-9,157.96	715.63	130.15	585.48	1.222 Level 2		
17,600.00	7,255.35	17,485.83	7,098.94	302.02	301.13	-77.43	-1,318.05	-9,257.86	718.84	127.69	591.15	1.216 Level 2		
17,700.00	7,255.54	17,585.78	7,099.29	304.86	303.96	-77.50	-1,320.99	-9,357.76	722.06	125.23	596.83	1.210 Level 2		
17,800.00	7,255.72	17,685.72	7,099.64	307.70	306.78	-77.57	-1,323.93	-9,457.66	725.28	122.77	602.51	1.204 Level 2		
17,900.00	7,255.91	17,785.67	7,099.99	310.54	309.61	-77.64	-1,326.87	-9,557.56	728.50	120.31	608.19	1.198 Level 2		
18,000.00	7,256.10	17,885.61	7,100.35	313.39	312.43	-77.71	-1,329.81	-9,657.46	731.71	117.84	613.87	1.192 Level 2		
18,100.00	7,256.28	17,985.56	7,100.70	316.23	315.26	-77.78	-1,332.75	-9,757.36	734.93	115.38	619.56	1.186 Level 2		
18,200.00	7,256.47	18,085.50	7,101.05	319.07	318.09	-77.84	-1,335.69	-9,857.26	738.16	112.92	625.24	1.181 Level 2		
18,300.00	7,256.65	18,185.44	7,101.40	321.91	320.92	-77.91	-1,338.63	-9,957.17	741.38	110.45	630.93	1.175 Level 2		
18,400.00	7,256.84	18,285.39	7,101.75	324.76	323.74	-77.98	-1,341.57	-10,057.07	744.60	107.99	636.61	1.170 Level 2		
18,500.00	7,257.03	18,385.33	7,102.10	327.60	326.57	-78.04	-1,344.50	-10,156.97	747.83	105.52	642.30	1.164 Level 2		
18,600.00	7,257.21	18,485.28	7,102.46	330.44	329.40	-78.11	-1,347.44	-10,256.87	751.05	103.06	647.99	1.159 Level 2		
18,700.00	7,257.40	18,585.22	7,102.81	333.29	332.23	-78.17	-1,350.38	-10,356.77	754.28	100.59	653.68	1.154 Level 2		
18,800.00	7,257.59	18,685.17	7,103.16	336.13	335.06	-78.23	-1,353.32	-10,456.67	757.50	98.13	659.37	1.149 Level 2		
18,900.00	7,257.77	18,785.11	7,103.51	338.98	337.89	-78.30	-1,356.26	-10,556.57	760.73	95.66	665.07	1.144 Level 2		
19,000.00	7,257.96	18,885.05	7,103.86	341.82	340.72	-78.36	-1,359.20	-10,656.47	763.96	93.20	670.76	1.139 Level 2		
19,022.43	7,258.00	18,907.47	7,103.94	342.46	341.35	-78.37	-1,359.86	-10,678.87	764.68	92.65	672.04	1.138 Level 2, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.54	-104.92	-0.83	104.92					
100.00	100.00	100.00	100.00	3.28	3.28	-179.54	-104.92	-0.83	104.92	98.35	6.57	15.971		
200.00	200.00	200.00	200.00	3.34	3.34	-179.54	-104.92	-0.83	104.92	98.25	6.67	15.721	CC, ES	
300.00	300.00	297.03	297.01	3.44	3.44	179.95	-106.28	0.09	106.32	99.43	6.89	15.434		
400.00	399.98	393.92	393.78	3.60	3.58	63.25	-110.35	2.84	109.77	102.57	7.20	15.238		
500.00	499.84	490.65	490.15	3.79	3.77	63.18	-117.12	7.42	114.48	106.87	7.61	15.046		
600.00	599.45	587.17	585.99	4.03	4.00	63.67	-126.56	13.79	120.43	112.34	8.09	14.879		
700.00	698.70	683.45	681.15	4.30	4.27	64.62	-138.63	21.95	127.66	119.01	8.65	14.762		
800.00	797.47	779.44	775.49	4.61	4.58	65.92	-153.30	31.87	136.20	126.94	9.26	14.707		
900.00	895.62	875.11	868.88	4.96	4.92	67.46	-170.52	43.51	146.11	136.18	9.93	14.721		
939.50	934.20	912.80	905.47	5.10	5.06	68.12	-178.01	48.57	150.41	140.21	10.20	14.742		
1,000.00	993.20	970.42	961.17	5.33	5.29	69.08	-190.23	56.83	157.67	147.03	10.64	14.814		
1,100.00	1,090.72	1,065.26	1,052.16	5.73	5.70	69.92	-212.35	71.78	171.74	160.33	11.40	15.060		
1,200.00	1,188.24	1,159.42	1,141.59	6.15	6.14	70.00	-236.78	88.29	188.28	176.09	12.20	15.438		
1,300.00	1,285.76	1,255.61	1,232.07	6.59	6.62	69.57	-263.81	106.56	206.88	193.85	13.02	15.884		
1,400.00	1,383.28	1,353.81	1,324.35	7.04	7.13	69.16	-291.64	125.37	225.71	211.82	13.89	16.248		
1,500.00	1,480.80	1,452.01	1,416.63	7.50	7.67	68.81	-319.46	144.18	244.55	229.77	14.79	16.540		
1,600.00	1,578.31	1,550.21	1,508.90	7.96	8.21	68.51	-347.29	162.99	263.41	247.71	15.70	16.778		
1,700.00	1,675.83	1,648.40	1,601.18	8.44	8.77	68.25	-375.12	181.80	282.26	265.63	16.63	16.973		
1,800.00	1,773.35	1,746.60	1,693.45	8.92	9.34	68.02	-402.94	200.60	301.12	283.55	17.58	17.132		
1,900.00	1,870.87	1,844.80	1,785.73	9.40	9.91	67.82	-430.77	219.41	319.99	301.46	18.53	17.265		
2,000.00	1,968.39	1,943.00	1,878.01	9.89	10.49	67.64	-458.59	238.22	338.86	319.36	19.50	17.375		
2,100.00	2,065.91	2,041.20	1,970.28	10.39	11.08	67.48	-486.42	257.03	357.73	337.25	20.48	17.467		
2,200.00	2,163.43	2,139.40	2,062.56	10.88	11.67	67.34	-514.25	275.83	376.61	355.14	21.47	17.544		
2,300.00	2,260.95	2,237.60	2,154.84	11.38	12.26	67.21	-542.07	294.64	395.48	373.02	22.46	17.609		
2,400.00	2,358.46	2,335.79	2,247.11	11.89	12.86	67.09	-569.90	313.45	414.36	390.90	23.46	17.665		
2,500.00	2,455.98	2,433.99	2,339.39	12.39	13.46	66.98	-597.72	332.26	433.24	408.78	24.46	17.712		
2,600.00	2,553.50	2,532.19	2,431.67	12.89	14.06	66.88	-625.55	351.06	452.12	426.65	25.47	17.752		
2,700.00	2,651.02	2,630.39	2,523.94	13.40	14.67	66.79	-653.38	369.87	471.00	444.52	26.48	17.787		
2,800.00	2,748.54	2,728.59	2,616.22	13.91	15.28	66.71	-681.20	388.68	489.89	462.39	27.50	17.817		
2,900.00	2,846.06	2,826.79	2,708.50	14.42	15.89	66.63	-709.03	407.49	508.77	480.26	28.51	17.843		
3,000.00	2,943.58	2,924.99	2,800.77	14.93	16.50	66.56	-736.85	426.30	527.65	498.12	29.54	17.865		
3,100.00	3,041.10	3,023.18	2,893.05	15.45	17.11	66.49	-764.68	445.10	546.54	515.98	30.56	17.884		
3,200.00	3,138.61	3,121.38	2,985.32	15.96	17.72	66.43	-792.50	463.91	565.43	533.84	31.59	17.901		
3,300.00	3,236.13	3,219.58	3,077.60	16.47	18.34	66.37	-820.33	482.72	584.31	551.70	32.62	17.915		
3,400.00	3,333.65	3,317.78	3,169.88	16.99	18.95	66.32	-848.16	501.53	603.20	569.56	33.65	17.928		
3,500.00	3,431.17	3,415.98	3,262.15	17.50	19.57	66.27	-875.98	520.33	622.09	587.41	34.68	17.938		
3,600.00	3,528.69	3,514.18	3,354.43	18.02	20.19	66.22	-903.81	539.14	640.98	605.27	35.71	17.948		
3,700.00	3,626.21	3,612.37	3,446.71	18.54	20.80	66.17	-931.63	557.95	659.87	623.12	36.75	17.956		
3,800.00	3,723.73	3,710.57	3,538.98	19.06	21.42	66.13	-959.46	576.76	678.76	640.97	37.79	17.963		
3,900.00	3,821.25	3,808.77	3,631.26	19.57	22.04	66.09	-987.29	595.56	697.65	658.82	38.82	17.970		
4,000.00	3,918.77	3,906.97	3,723.54	20.09	22.66	66.05	-1,015.11	614.37	716.54	676.67	39.86	17.975		
4,100.00	4,016.28	4,005.17	3,815.81	20.61	23.28	66.01	-1,042.94	633.18	735.43	694.52	40.90	17.980		
4,200.00	4,113.80	4,103.37	3,908.09	21.13	23.90	65.98	-1,070.76	651.99	754.32	712.37	41.94	17.984		
4,300.00	4,211.32	4,201.57	4,000.36	21.65	24.53	65.95	-1,098.59	670.80	773.21	730.22	42.99	17.987		
4,400.00	4,308.84	4,299.76	4,092.64	22.17	25.15	65.91	-1,126.42	689.60	792.10	748.07	44.03	17.990		
4,500.00	4,406.36	4,402.04	4,184.92	22.69	25.80	65.88	-1,154.24	708.41	810.99	765.89	45.10	17.983		
4,600.00	4,503.88	4,503.84	4,277.19	23.21	26.44	65.86	-1,182.07	727.22	829.88	783.72	46.16	17.978		
4,700.00	4,601.40	4,594.36	4,369.47	23.73	27.01	65.83	-1,209.89	746.03	848.77	801.61	47.16	17.996		
4,800.00	4,698.92	4,692.56	4,461.75	24.26	27.64	65.80	-1,237.72	764.83	867.67	819.46	48.21	17.998		
4,900.00	4,796.43	4,809.24	4,554.02	24.78	28.38	65.78	-1,265.55	783.64	886.56	837.20	49.36	17.961		
5,000.00	4,893.95	4,888.96	4,646.30	25.30	28.88	65.75	-1,293.37	802.45	905.45	855.15	50.30	18.000		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,987.15	4,738.58	25.82	29.51	65.73	-1,321.20	821.26	924.34	872.99	51.35	18.000		
5,200.00	5,088.99	5,085.35	4,830.85	26.34	30.13	65.71	-1,349.02	840.06	943.23	890.83	52.40	18.001		
5,300.00	5,186.51	5,183.55	4,923.13	26.87	30.76	65.69	-1,376.85	858.87	962.13	908.68	53.45	18.001		
5,400.00	5,284.03	5,281.75	5,015.41	27.39	31.38	65.67	-1,404.67	877.68	981.02	926.52	54.50	18.001		
5,500.00	5,381.55	5,379.95	5,107.68	27.91	32.01	65.65	-1,432.50	896.49	999.91	944.37	55.55	18.001		
5,600.00	5,479.07	5,478.15	5,199.96	28.43	32.63	65.63	-1,460.33	915.30	1,018.81	962.21	56.60	18.001		
5,700.00	5,576.58	5,576.35	5,292.23	28.96	33.26	65.61	-1,488.15	934.10	1,037.70	980.05	57.65	18.001		
5,800.00	5,674.10	5,674.54	5,384.51	29.48	33.88	65.59	-1,515.98	952.91	1,056.59	997.89	58.70	18.000		
5,900.00	5,771.62	5,772.74	5,476.79	30.00	34.51	65.57	-1,543.80	971.72	1,075.49	1,015.74	59.75	18.000		
6,000.00	5,869.14	5,870.94	5,569.06	30.53	35.13	65.56	-1,571.63	990.53	1,094.38	1,033.58	60.80	17.999		
6,100.00	5,966.66	5,969.14	5,661.34	31.05	35.76	65.54	-1,599.46	1,009.33	1,113.27	1,051.42	61.85	17.999		
6,200.00	6,064.18	6,067.34	5,753.62	31.58	36.39	65.53	-1,627.28	1,028.14	1,132.17	1,069.26	62.90	17.998		
6,300.00	6,161.70	6,165.54	5,845.89	32.10	37.01	65.51	-1,655.11	1,046.95	1,151.06	1,087.10	63.96	17.997		
6,400.00	6,259.22	6,263.73	5,938.17	32.62	37.64	65.50	-1,682.93	1,065.76	1,169.95	1,104.94	65.01	17.997		
6,500.00	6,356.74	6,361.93	6,030.45	33.15	38.26	65.48	-1,710.76	1,084.57	1,188.85	1,122.78	66.06	17.996		
6,600.00	6,454.25	6,460.13	6,122.72	33.67	38.89	65.47	-1,738.59	1,103.37	1,207.74	1,140.62	67.12	17.995		
6,623.48	6,477.15	6,483.19	6,144.39	33.80	39.04	65.47	-1,745.12	1,107.79	1,212.18	1,144.81	67.36	17.995		
6,650.00	6,503.12	6,509.23	6,168.86	33.93	39.20	60.30	-1,752.50	1,112.78	1,217.17	1,149.53	67.64	17.996		
6,700.00	6,552.50	6,558.16	6,214.84	34.16	39.52	42.06	-1,766.36	1,122.15	1,226.47	1,158.36	68.11	18.008		
6,750.00	6,602.21	6,606.65	6,260.41	34.36	39.83	4.49	-1,780.10	1,131.44	1,235.60	1,167.09	68.52	18.033		
6,800.00	6,651.92	6,654.39	6,305.27	34.54	40.13	-34.15	-1,793.63	1,140.58	1,244.60	1,175.72	68.88	18.068		
6,850.00	6,701.33	6,701.09	6,349.15	34.70	40.43	-53.67	-1,806.86	1,149.52	1,253.50	1,184.29	69.21	18.112		
6,900.00	6,750.14	6,746.46	6,391.78	34.86	40.72	-63.16	-1,819.72	1,158.21	1,262.39	1,192.88	69.51	18.161		
6,950.00	6,798.04	6,790.21	6,432.90	35.02	41.00	-68.53	-1,832.12	1,166.59	1,271.37	1,201.58	69.78	18.218		
7,000.00	6,844.75	6,832.09	6,472.24	35.19	41.26	-71.98	-1,843.98	1,174.61	1,280.56	1,210.52	70.04	18.284		
7,050.00	6,889.97	6,871.92	6,509.68	35.37	41.52	-74.38	-1,855.27	1,182.24	1,290.09	1,219.82	70.28	18.357		
7,100.00	6,933.42	6,913.53	6,549.02	35.57	41.77	-76.21	-1,867.15	1,188.74	1,300.05	1,229.51	70.55	18.429		
7,150.00	6,974.83	6,957.06	6,590.51	35.79	42.01	-77.66	-1,879.70	1,192.65	1,310.39	1,239.54	70.86	18.494		
7,200.00	7,013.96	7,002.91	6,634.36	36.02	42.24	-78.86	-1,893.00	1,193.56	1,321.08	1,249.86	71.21	18.551		
7,250.00	7,050.56	7,051.58	6,680.85	36.28	42.45	-79.91	-1,907.14	1,190.92	1,332.05	1,260.43	71.62	18.600		
7,300.00	7,084.39	7,103.69	6,730.24	36.57	42.63	-80.87	-1,922.19	1,183.98	1,343.23	1,271.16	72.07	18.637		
7,350.00	7,115.27	7,160.05	6,782.83	36.89	42.80	-81.80	-1,938.27	1,171.75	1,354.53	1,281.95	72.59	18.661		
7,400.00	7,142.99	7,221.65	6,838.87	37.25	42.96	-82.73	-1,955.45	1,152.89	1,365.84	1,292.68	73.16	18.670		
7,450.00	7,167.38	7,289.74	6,898.44	37.65	43.12	-83.70	-1,973.79	1,125.56	1,376.99	1,303.21	73.78	18.663		
7,500.00	7,188.30	7,365.83	6,961.26	38.08	43.28	-84.73	-1,993.21	1,087.35	1,387.78	1,313.31	74.47	18.635		
7,550.00	7,205.61	7,451.68	7,026.29	38.55	43.46	-85.82	-2,013.44	1,035.18	1,397.95	1,322.69	75.26	18.575		
7,600.00	7,219.20	7,549.08	7,091.13	39.06	43.70	-86.96	-2,033.78	965.55	1,407.15	1,330.93	76.22	18.462		
7,650.00	7,229.00	7,659.36	7,151.28	39.61	44.03	-88.07	-2,052.89	875.28	1,414.97	1,337.48	77.50	18.258		
7,700.00	7,234.95	7,782.63	7,199.72	40.18	44.53	-89.02	-2,068.65	763.24	1,420.93	1,341.64	79.29	17.921		
7,750.07	7,237.00	7,916.83	7,227.91	40.78	45.28	-89.64	-2,078.44	632.65	1,424.57	1,342.83	81.74	17.428		
7,800.00	7,237.09	8,010.76	7,232.21	41.41	45.94	-89.81	-2,080.63	538.91	1,425.74	1,341.92	83.82	17.010		
7,900.00	7,237.28	8,110.74	7,233.01	42.79	46.81	-89.83	-2,081.82	438.94	1,427.32	1,340.77	86.55	16.491		
8,000.00	7,237.47	8,210.73	7,233.82	44.31	47.86	-89.86	-2,083.02	338.96	1,428.90	1,339.33	89.57	15.954		
8,100.00	7,237.65	8,310.71	7,234.63	45.97	49.09	-89.88	-2,084.21	238.99	1,430.48	1,337.64	92.83	15.409		
8,200.00	7,237.84	8,410.70	7,235.44	47.75	50.48	-89.91	-2,085.40	139.01	1,432.06	1,335.73	96.33	14.866		
8,300.00	7,238.02	8,510.68	7,236.25	49.63	52.04	-89.93	-2,086.59	39.04	1,433.64	1,333.61	100.03	14.332		
8,400.00	7,238.21	8,610.67	7,237.05	51.61	53.73	-89.96	-2,087.78	-60.94	1,435.22	1,331.31	103.91	13.812		
8,500.00	7,238.40	8,710.65	7,237.86	53.66	55.54	-89.98	-2,088.97	-160.91	1,436.80	1,328.85	107.96	13.309		
8,600.00	7,238.58	8,810.64	7,238.67	55.79	57.45	-90.01	-2,090.16	-260.89	1,438.39	1,326.24	112.15	12.826		
8,700.00	7,238.77	8,910.63	7,239.48	57.99	59.46	-90.03	-2,091.35	-360.86	1,439.97	1,323.50	116.47	12.364		
8,800.00	7,238.96	9,010.61	7,240.28	60.24	61.54	-90.05	-2,092.55	-460.84	1,441.55	1,320.65	120.90	11.923		
8,900.00	7,239.14	9,110.60	7,241.09	62.54	63.69	-90.08	-2,093.74	-560.81	1,443.13	1,317.69	125.44	11.504		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,210.58	7,241.90	64.88	65.91	-90.10	-2,094.93	-660.79	1,444.72	1,314.64	130.07	11.107		
9,100.00	7,239.52	9,310.57	7,242.71	67.27	68.18	-90.13	-2,096.12	-760.76	1,446.30	1,311.51	134.79	10.730		
9,200.00	7,239.70	9,410.55	7,243.51	69.69	70.49	-90.15	-2,097.31	-860.74	1,447.88	1,308.31	139.58	10.373		
9,300.00	7,239.89	9,510.54	7,244.32	72.15	72.85	-90.18	-2,098.50	-960.71	1,449.47	1,305.04	144.43	10.036		
9,400.00	7,240.07	9,610.52	7,245.13	74.63	75.25	-90.20	-2,099.69	-1,060.69	1,451.05	1,301.70	149.35	9.716		
9,500.00	7,240.26	9,710.51	7,245.94	77.14	77.68	-90.23	-2,100.89	-1,160.66	1,452.64	1,298.32	154.32	9.413		
9,600.00	7,240.45	9,810.50	7,246.74	79.68	80.13	-90.25	-2,102.08	-1,260.64	1,454.22	1,294.88	159.34	9.126		
9,700.00	7,240.63	9,910.48	7,247.55	82.23	82.62	-90.27	-2,103.27	-1,360.61	1,455.81	1,291.40	164.41	8.855		
9,800.00	7,240.82	10,010.47	7,248.36	84.81	85.13	-90.30	-2,104.46	-1,460.59	1,457.39	1,287.88	169.51	8.597		
9,900.00	7,241.01	10,110.45	7,249.17	87.40	87.67	-90.32	-2,105.65	-1,560.57	1,458.98	1,284.32	174.66	8.353		
10,000.00	7,241.19	10,210.44	7,249.98	90.01	90.22	-90.35	-2,106.84	-1,660.54	1,460.56	1,280.72	179.84	8.122		
10,100.00	7,241.38	10,310.42	7,250.78	92.64	92.79	-90.37	-2,108.03	-1,760.52	1,462.15	1,277.10	185.05	7.901		
10,200.00	7,241.56	10,410.41	7,251.59	95.28	95.38	-90.39	-2,109.22	-1,860.49	1,463.73	1,273.45	190.29	7.692		
10,300.00	7,241.75	10,510.39	7,252.40	97.93	97.99	-90.42	-2,110.42	-1,960.47	1,465.32	1,269.77	195.55	7.493		
10,400.00	7,241.94	10,610.38	7,253.21	100.59	100.60	-90.44	-2,111.61	-2,060.44	1,466.91	1,266.06	200.84	7.304		
10,500.00	7,242.12	10,710.37	7,254.01	103.26	103.24	-90.47	-2,112.80	-2,160.42	1,468.49	1,262.34	206.16	7.123		
10,600.00	7,242.31	10,810.35	7,254.82	105.95	105.88	-90.49	-2,113.99	-2,260.39	1,470.08	1,258.59	211.49	6.951		
10,700.00	7,242.50	10,910.34	7,255.63	108.64	108.53	-90.51	-2,115.18	-2,360.37	1,471.67	1,254.83	216.84	6.787		
10,800.00	7,242.68	11,010.32	7,256.44	111.34	111.20	-90.54	-2,116.37	-2,460.34	1,473.26	1,251.04	222.21	6.630		
10,900.00	7,242.87	11,110.31	7,257.24	114.05	113.87	-90.56	-2,117.56	-2,560.32	1,474.85	1,247.24	227.60	6.480		
11,000.00	7,243.05	11,210.29	7,258.05	116.76	116.56	-90.58	-2,118.76	-2,660.29	1,476.43	1,243.43	233.00	6.336		
11,100.00	7,243.24	11,310.28	7,258.86	119.49	119.25	-90.61	-2,119.95	-2,760.27	1,478.02	1,239.60	238.42	6.199		
11,200.00	7,243.43	11,410.26	7,259.67	122.22	121.95	-90.63	-2,121.14	-2,860.24	1,479.61	1,235.76	243.85	6.068		
11,300.00	7,243.61	11,510.25	7,260.48	124.95	124.66	-90.65	-2,122.33	-2,960.22	1,481.20	1,231.90	249.30	5.942		
11,400.00	7,243.80	11,610.24	7,261.28	127.69	127.37	-90.68	-2,123.52	-3,060.19	1,482.79	1,228.04	254.75	5.821		
11,500.00	7,243.99	11,710.22	7,262.09	130.44	130.09	-90.70	-2,124.71	-3,160.17	1,484.38	1,224.16	260.22	5.704		
11,600.00	7,244.17	11,810.21	7,262.90	133.19	132.81	-90.72	-2,125.90	-3,260.14	1,485.97	1,220.28	265.69	5.593		
11,700.00	7,244.36	11,910.19	7,263.71	135.94	135.54	-90.75	-2,127.09	-3,360.12	1,487.56	1,216.38	271.18	5.486		
11,800.00	7,244.55	12,010.18	7,264.51	138.70	138.28	-90.77	-2,128.29	-3,460.09	1,489.15	1,212.48	276.67	5.382		
11,900.00	7,244.73	12,110.16	7,265.32	141.47	141.02	-90.79	-2,129.48	-3,560.07	1,490.74	1,208.56	282.18	5.283		
12,000.00	7,244.92	12,210.15	7,266.13	144.24	143.77	-90.82	-2,130.67	-3,660.04	1,492.33	1,204.64	287.69	5.187		
12,100.00	7,245.10	12,310.13	7,266.94	147.01	146.51	-90.84	-2,131.86	-3,760.02	1,493.92	1,200.71	293.21	5.095		
12,200.00	7,245.29	12,410.12	7,267.74	149.78	149.27	-90.86	-2,133.05	-3,859.99	1,495.51	1,196.78	298.73	5.006		
12,300.00	7,245.48	12,510.11	7,268.55	152.56	152.03	-90.88	-2,134.24	-3,959.97	1,497.10	1,192.84	304.27	4.920		
12,400.00	7,245.66	12,610.09	7,269.36	155.34	154.79	-90.91	-2,135.43	-4,059.95	1,498.70	1,188.89	309.81	4.838		
12,500.00	7,245.85	12,710.08	7,270.17	158.12	157.55	-90.93	-2,136.63	-4,159.92	1,500.29	1,184.94	315.35	4.758		
12,600.00	7,246.04	12,810.06	7,270.98	160.91	160.32	-90.95	-2,137.82	-4,259.90	1,501.88	1,180.98	320.90	4.680		
12,700.00	7,246.22	12,910.05	7,271.78	163.70	163.09	-90.98	-2,139.01	-4,359.87	1,503.47	1,177.01	326.46	4.605		
12,800.00	7,246.41	13,010.03	7,272.59	166.49	165.86	-91.00	-2,140.20	-4,459.85	1,505.06	1,173.04	332.02	4.533		
12,900.00	7,246.59	13,110.02	7,273.40	169.28	168.64	-91.02	-2,141.39	-4,559.82	1,506.66	1,169.07	337.59	4.463		
13,000.00	7,246.78	13,210.00	7,274.21	172.08	171.42	-91.04	-2,142.58	-4,659.80	1,508.25	1,165.09	343.16	4.395		
13,100.00	7,246.97	13,309.99	7,275.01	174.88	174.20	-91.07	-2,143.77	-4,759.77	1,509.84	1,161.11	348.73	4.329		
13,200.00	7,247.15	13,409.98	7,275.82	177.68	176.98	-91.09	-2,144.96	-4,859.75	1,511.44	1,157.12	354.32	4.266		
13,300.00	7,247.34	13,509.96	7,276.63	180.48	179.77	-91.11	-2,146.16	-4,959.72	1,513.03	1,153.13	359.90	4.204		
13,400.00	7,247.53	13,555.88	7,277.00	183.28	181.05	-91.12	-2,146.70	-5,005.64	1,515.59	1,152.15	363.44	4.170 SF		
13,500.00	7,247.71	13,555.88	7,277.00	186.09	181.05	-91.12	-2,146.70	-5,005.64	1,524.03	1,159.95	364.07	4.186		
13,600.00	7,247.90	13,555.88	7,277.00	188.90	181.05	-91.12	-2,146.70	-5,005.64	1,538.93	1,175.69	363.24	4.237		
13,700.00	7,248.08	13,555.88	7,277.00	191.70	181.05	-91.12	-2,146.70	-5,005.64	1,560.11	1,199.07	361.03	4.321		
13,800.00	7,248.27	13,555.88	7,277.00	194.52	181.05	-91.12	-2,146.70	-5,005.64	1,587.32	1,229.72	357.59	4.439		
13,900.00	7,248.46	13,555.88	7,277.00	197.33	181.05	-91.12	-2,146.70	-5,005.64	1,620.25	1,267.17	353.08	4.589		
14,000.00	7,248.64	13,555.88	7,277.00	200.14	181.05	-91.12	-2,146.70	-5,005.64	1,658.57	1,310.89	347.68	4.770		
14,100.00	7,248.83	13,555.88	7,277.00	202.95	181.05	-91.12	-2,146.70	-5,005.64	1,701.91	1,360.34	341.57	4.983		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	13,555.88	7,277.00	205.77	181.05	-91.12	-2,146.70	-5,005.64	1,749.89	1,414.97	334.93	5.225		
14,300.00	7,249.20	13,555.88	7,277.00	208.59	181.05	-91.12	-2,146.70	-5,005.64	1,802.16	1,474.24	327.92	5.496		
14,400.00	7,249.39	13,555.88	7,277.00	211.41	181.05	-91.12	-2,146.70	-5,005.64	1,858.34	1,537.65	320.68	5.795		
14,500.00	7,249.58	13,555.88	7,277.00	214.23	181.05	-91.12	-2,146.70	-5,005.64	1,918.09	1,604.75	313.34	6.121		
14,600.00	7,249.76	13,555.88	7,277.00	217.05	181.05	-91.12	-2,146.70	-5,005.64	1,981.08	1,675.10	305.98	6.475		
14,700.00	7,249.95	13,555.88	7,277.00	219.87	181.05	-91.12	-2,146.70	-5,005.64	2,047.03	1,748.34	298.69	6.853		
14,800.00	7,250.13	13,555.88	7,277.00	222.69	181.05	-91.12	-2,146.70	-5,005.64	2,115.65	1,824.11	291.54	7.257		
14,900.00	7,250.32	13,555.88	7,277.00	225.51	181.05	-91.12	-2,146.70	-5,005.64	2,186.69	1,902.13	284.56	7.685		
15,000.00	7,250.51	13,555.88	7,277.00	228.34	181.05	-91.12	-2,146.70	-5,005.64	2,259.92	1,982.14	277.79	8.135		
15,100.00	7,250.69	13,555.88	7,277.00	231.16	181.05	-91.12	-2,146.70	-5,005.64	2,335.14	2,063.89	271.25	8.609		
15,200.00	7,250.88	13,555.88	7,277.00	233.99	181.05	-91.12	-2,146.70	-5,005.64	2,412.16	2,147.20	264.96	9.104		
15,300.00	7,251.07	13,555.88	7,277.00	236.82	181.05	-91.12	-2,146.70	-5,005.64	2,490.82	2,231.89	258.92	9.620		
15,400.00	7,251.25	13,555.88	7,277.00	239.65	181.05	-91.12	-2,146.70	-5,005.64	2,570.96	2,317.81	253.15	10.156		
15,500.00	7,251.44	13,555.88	7,277.00	242.47	181.05	-91.12	-2,146.70	-5,005.64	2,652.44	2,404.82	247.62	10.712		
15,600.00	7,251.62	13,555.88	7,277.00	245.30	181.05	-91.12	-2,146.70	-5,005.64	2,735.16	2,492.81	242.35	11.286		
15,700.00	7,251.81	13,555.88	7,277.00	248.13	181.05	-91.12	-2,146.70	-5,005.64	2,818.99	2,581.67	237.32	11.878		
15,800.00	7,252.00	13,555.88	7,277.00	250.97	181.05	-91.12	-2,146.70	-5,005.64	2,903.85	2,671.32	232.53	12.488		
15,900.00	7,252.18	13,555.88	7,277.00	253.80	181.05	-91.12	-2,146.70	-5,005.64	2,989.65	2,761.68	227.97	13.114		
16,000.00	7,252.37	13,555.88	7,277.00	256.63	181.05	-91.12	-2,146.70	-5,005.64	3,076.30	2,852.68	223.63	13.756		
16,100.00	7,252.56	13,555.88	7,277.00	259.46	181.05	-91.12	-2,146.70	-5,005.64	3,163.75	2,944.26	219.49	14.414		
16,200.00	7,252.74	13,555.88	7,277.00	262.30	181.05	-91.12	-2,146.70	-5,005.64	3,251.91	3,036.36	215.55	15.086		
16,300.00	7,252.93	13,555.88	7,277.00	265.13	181.05	-91.12	-2,146.70	-5,005.64	3,340.74	3,128.94	211.80	15.773		
16,400.00	7,253.11	13,555.88	7,277.00	267.96	181.05	-91.12	-2,146.70	-5,005.64	3,430.19	3,221.96	208.23	16.473		
16,500.00	7,253.30	13,555.88	7,277.00	270.80	181.05	-91.12	-2,146.70	-5,005.64	3,520.21	3,315.38	204.83	17.186		
16,600.00	7,253.49	13,555.88	7,277.00	273.64	181.05	-91.12	-2,146.70	-5,005.64	3,610.75	3,409.16	201.59	17.911		
16,700.00	7,253.67	13,555.88	7,277.00	276.47	181.05	-91.12	-2,146.70	-5,005.64	3,701.77	3,503.27	198.50	18.649		
16,800.00	7,253.86	13,555.88	7,277.00	279.31	181.05	-91.12	-2,146.70	-5,005.64	3,793.25	3,597.70	195.55	19.397		
16,900.00	7,254.05	13,555.88	7,277.00	282.15	181.05	-91.12	-2,146.70	-5,005.64	3,885.15	3,692.41	192.75	20.157		
17,000.00	7,254.23	13,555.88	7,277.00	284.98	181.05	-91.12	-2,146.70	-5,005.64	3,977.44	3,787.38	190.06	20.927		
17,100.00	7,254.42	13,555.88	7,277.00	287.82	181.05	-91.12	-2,146.70	-5,005.64	4,070.10	3,882.59	187.50	21.707		
17,200.00	7,254.61	13,555.88	7,277.00	290.66	181.05	-91.12	-2,146.70	-5,005.64	4,163.09	3,978.03	185.06	22.496		
17,300.00	7,254.79	13,555.88	7,277.00	293.50	181.05	-91.12	-2,146.70	-5,005.64	4,256.40	4,073.68	182.72	23.294		
17,400.00	7,254.98	13,555.88	7,277.00	296.34	181.05	-91.12	-2,146.70	-5,005.64	4,350.01	4,169.52	180.49	24.101		
17,500.00	7,255.16	13,555.88	7,277.00	299.18	181.05	-91.12	-2,146.70	-5,005.64	4,443.90	4,265.54	178.36	24.916		
17,600.00	7,255.35	13,555.88	7,277.00	302.02	181.05	-91.12	-2,146.70	-5,005.64	4,538.05	4,361.74	176.31	25.739		
17,700.00	7,255.54	13,555.88	7,277.00	304.86	181.05	-91.12	-2,146.70	-5,005.64	4,632.44	4,458.09	174.36	26.569		
17,800.00	7,255.72	13,555.88	7,277.00	307.70	181.05	-91.12	-2,146.70	-5,005.64	4,727.07	4,554.59	172.48	27.406		
17,900.00	7,255.91	13,555.88	7,277.00	310.54	181.05	-91.12	-2,146.70	-5,005.64	4,821.91	4,651.22	170.69	28.250		
18,000.00	7,256.10	13,555.88	7,277.00	313.39	181.05	-91.12	-2,146.70	-5,005.64	4,916.96	4,747.99	168.97	29.100		
18,100.00	7,256.28	13,555.88	7,277.00	316.23	181.05	-91.12	-2,146.70	-5,005.64	5,012.19	4,844.88	167.31	29.957		
18,200.00	7,256.47	13,555.88	7,277.00	319.07	181.05	-91.12	-2,146.70	-5,005.64	5,107.61	4,941.88	165.73	30.819		
18,300.00	7,256.65	13,555.88	7,277.00	321.91	181.05	-91.12	-2,146.70	-5,005.64	5,203.21	5,039.00	164.21	31.686		
18,400.00	7,256.84	13,555.88	7,277.00	324.76	181.05	-91.12	-2,146.70	-5,005.64	5,298.96	5,136.21	162.75	32.559		
18,500.00	7,257.03	13,555.88	7,277.00	327.60	181.05	-91.12	-2,146.70	-5,005.64	5,394.87	5,233.52	161.35	33.436		
18,600.00	7,257.21	13,555.88	7,277.00	330.44	181.05	-91.12	-2,146.70	-5,005.64	5,490.93	5,330.93	160.00	34.318		
18,700.00	7,257.40	13,555.88	7,277.00	333.29	181.05	-91.12	-2,146.70	-5,005.64	5,587.12	5,428.41	158.71	35.204		
18,800.00	7,257.59	13,555.88	7,277.00	336.13	181.05	-91.12	-2,146.70	-5,005.64	5,683.45	5,525.99	157.46	36.094		
18,900.00	7,257.77	13,555.88	7,277.00	338.98	181.05	-91.12	-2,146.70	-5,005.64	5,779.90	5,623.63	156.26	36.988		
19,000.00	7,257.96	13,555.88	7,277.00	341.82	181.05	-91.12	-2,146.70	-5,005.64	5,876.47	5,721.36	155.11	37.886		
19,022.43	7,258.00	13,555.88	7,277.00	342.46	181.05	-91.12	-2,146.70	-5,005.64	5,898.14	5,743.28	154.86	38.088		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-89.98	-0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-89.98	-0.83	89.99	83.42	6.57	13.698		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-89.98	-0.83	89.99	83.31	6.67	13.483 CC, ES		
300.00	300.00	297.49	297.47	3.44	3.44	179.92	-91.33	0.13	91.37	84.48	6.89	13.262		
400.00	399.98	394.84	394.69	3.60	3.58	63.03	-95.37	3.03	94.76	87.55	7.20	13.152		
500.00	499.84	492.02	491.52	3.79	3.78	62.85	-102.07	7.83	99.37	91.76	7.61	13.057		
600.00	599.45	589.01	587.81	4.03	4.01	63.29	-111.41	14.54	105.18	97.08	8.10	12.989		
700.00	698.70	685.76	683.43	4.30	4.28	64.23	-123.37	23.11	112.21	103.55	8.65	12.967		
800.00	797.47	782.24	778.24	4.61	4.59	65.54	-137.90	33.53	120.49	111.22	9.27	13.001		
900.00	895.62	878.42	872.09	4.96	4.93	67.11	-154.95	45.77	130.09	120.15	9.94	13.093		
939.50	934.20	916.32	908.88	5.10	5.07	67.77	-162.38	51.09	134.25	124.04	10.21	13.143		
1,000.00	993.20	974.26	964.86	5.33	5.31	68.72	-174.49	59.78	141.27	130.62	10.66	13.257		
1,100.00	1,090.72	1,069.62	1,056.33	5.73	5.72	69.44	-196.42	75.50	154.92	143.50	11.42	13.563		
1,200.00	1,188.24	1,164.32	1,146.21	6.15	6.16	69.33	-220.63	92.87	171.01	158.79	12.22	13.996		
1,300.00	1,285.76	1,261.46	1,237.63	6.59	6.65	68.73	-247.31	112.00	188.92	175.87	13.05	14.473		
1,400.00	1,383.28	1,359.80	1,330.15	7.04	7.17	68.21	-274.41	131.45	206.95	193.03	13.92	14.863		
1,500.00	1,480.80	1,458.15	1,422.66	7.50	7.70	67.78	-301.52	150.89	225.00	210.18	14.82	15.183		
1,600.00	1,578.31	1,556.50	1,515.18	7.96	8.25	67.40	-328.63	170.34	243.05	227.32	15.73	15.448		
1,700.00	1,675.83	1,654.84	1,607.69	8.44	8.81	67.08	-355.74	189.78	261.11	244.45	16.67	15.668		
1,800.00	1,773.35	1,753.19	1,700.20	8.92	9.37	66.80	-382.85	209.23	279.18	261.57	17.61	15.852		
1,900.00	1,870.87	1,851.53	1,792.72	9.40	9.95	66.56	-409.96	228.67	297.26	278.69	18.57	16.008		
2,000.00	1,968.39	1,949.88	1,885.23	9.89	10.53	66.34	-437.07	248.11	315.34	295.80	19.54	16.140		
2,100.00	2,065.91	2,048.22	1,977.74	10.39	11.11	66.15	-464.18	267.56	333.42	312.91	20.52	16.252		
2,200.00	2,163.43	2,146.57	2,070.26	10.88	11.71	65.97	-491.29	287.00	351.51	330.01	21.50	16.349		
2,300.00	2,260.95	2,244.91	2,162.77	11.38	12.30	65.82	-518.40	306.45	369.60	347.11	22.49	16.433		
2,400.00	2,358.46	2,343.26	2,255.29	11.89	12.90	65.67	-545.51	325.89	387.69	364.20	23.49	16.505		
2,500.00	2,455.98	2,441.60	2,347.80	12.39	13.50	65.54	-572.62	345.34	405.79	381.30	24.49	16.569		
2,600.00	2,553.50	2,539.95	2,440.31	12.89	14.10	65.43	-599.73	364.78	423.88	398.38	25.50	16.624		
2,700.00	2,651.02	2,638.29	2,532.83	13.40	14.71	65.32	-626.84	384.23	441.98	415.47	26.51	16.673		
2,800.00	2,748.54	2,736.64	2,625.34	13.91	15.31	65.22	-653.95	403.67	460.08	432.56	27.52	16.716		
2,900.00	2,846.06	2,834.98	2,717.86	14.42	15.92	65.12	-681.06	423.11	478.18	449.64	28.54	16.754		
3,000.00	2,943.58	2,933.33	2,810.37	14.93	16.53	65.04	-708.17	442.56	496.28	466.72	29.56	16.789		
3,100.00	3,041.10	3,031.68	2,902.88	15.45	17.15	64.96	-735.28	462.00	514.38	483.80	30.58	16.819		
3,200.00	3,138.61	3,130.02	2,995.40	15.96	17.76	64.88	-762.39	481.45	532.49	500.88	31.61	16.846		
3,300.00	3,236.13	3,228.37	3,087.91	16.47	18.37	64.81	-789.50	500.89	550.59	517.96	32.64	16.871		
3,400.00	3,333.65	3,326.71	3,180.42	16.99	18.99	64.75	-816.61	520.34	568.70	535.03	33.67	16.893		
3,500.00	3,431.17	3,425.06	3,272.94	17.50	19.60	64.69	-843.71	539.78	586.80	552.11	34.70	16.913		
3,600.00	3,528.69	3,523.40	3,365.45	18.02	20.22	64.63	-870.82	559.22	604.91	569.18	35.73	16.931		
3,700.00	3,626.21	3,621.75	3,457.97	18.54	20.84	64.58	-897.93	578.67	623.02	586.25	36.76	16.947		
3,800.00	3,723.73	3,720.09	3,550.48	19.06	21.46	64.53	-925.04	598.11	641.12	603.33	37.80	16.962		
3,900.00	3,821.25	3,818.44	3,642.99	19.57	22.08	64.48	-952.15	617.56	659.23	620.40	38.83	16.975		
4,000.00	3,918.77	3,916.78	3,735.51	20.09	22.70	64.43	-979.26	637.00	677.34	637.47	39.87	16.988		
4,100.00	4,016.28	4,015.13	3,828.02	20.61	23.32	64.39	-1,006.37	656.45	695.45	654.54	40.91	16.999		
4,200.00	4,113.80	4,113.47	3,920.54	21.13	23.94	64.35	-1,033.48	675.89	713.56	671.61	41.95	17.010		
4,300.00	4,211.32	4,211.82	4,013.05	21.65	24.56	64.31	-1,060.59	695.33	731.67	688.68	42.99	17.019		
4,400.00	4,308.84	4,310.17	4,105.56	22.17	25.18	64.27	-1,087.70	714.78	749.78	705.75	44.03	17.028		
4,500.00	4,406.36	4,408.51	4,198.08	22.69	25.80	64.24	-1,114.81	734.22	767.89	722.81	45.07	17.036		
4,600.00	4,503.88	4,506.86	4,290.59	23.21	26.42	64.20	-1,141.92	753.67	786.00	739.88	46.12	17.043		
4,700.00	4,601.40	4,605.20	4,383.10	23.73	27.05	64.17	-1,169.03	773.11	804.11	756.95	47.16	17.050		
4,800.00	4,698.92	4,703.55	4,475.62	24.26	27.67	64.14	-1,196.14	792.56	822.22	774.01	48.21	17.057		
4,900.00	4,796.43	4,801.89	4,568.13	24.78	28.29	64.11	-1,223.25	812.00	840.33	791.08	49.25	17.062		
5,000.00	4,893.95	4,900.24	4,660.65	25.30	28.91	64.08	-1,250.36	831.44	858.44	808.15	50.30	17.068		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,001.42	4,753.16	25.82	29.56	64.06	-1,277.47	850.89	876.55	825.20	51.36	17.068		
5,200.00	5,088.99	5,103.07	4,845.67	26.34	30.20	64.03	-1,304.58	870.33	894.67	842.24	52.42	17.066		
5,300.00	5,186.51	5,204.73	4,938.19	26.87	30.85	64.00	-1,331.69	889.78	912.78	859.29	53.49	17.065		
5,400.00	5,284.03	5,306.38	5,030.70	27.39	31.49	63.98	-1,358.80	909.22	930.89	876.34	54.55	17.064		
5,500.00	5,381.55	5,408.04	5,123.21	27.91	32.14	63.96	-1,385.90	928.67	949.00	893.38	55.62	17.062		
5,600.00	5,479.07	5,509.69	5,215.73	28.43	32.78	63.93	-1,413.01	948.11	967.11	910.43	56.69	17.061		
5,700.00	5,576.58	5,588.66	5,308.24	28.96	33.28	63.91	-1,440.12	967.55	985.23	927.60	57.63	17.097		
5,800.00	5,674.10	5,687.00	5,400.76	29.48	33.91	63.89	-1,467.23	987.00	1,003.34	944.66	58.68	17.100		
5,900.00	5,771.62	5,785.35	5,493.27	30.00	34.53	63.87	-1,494.34	1,006.44	1,021.45	961.73	59.73	17.102		
6,000.00	5,869.14	5,883.69	5,585.78	30.53	35.16	63.85	-1,521.45	1,025.89	1,039.56	978.79	60.77	17.105		
6,100.00	5,966.66	5,982.04	5,678.30	31.05	35.78	63.84	-1,548.56	1,045.33	1,057.68	995.85	61.82	17.108		
6,200.00	6,064.18	6,080.38	5,770.81	31.58	36.41	63.82	-1,575.67	1,064.78	1,075.79	1,012.91	62.88	17.110		
6,300.00	6,161.70	6,178.73	5,863.33	32.10	37.04	63.80	-1,602.78	1,084.22	1,093.90	1,029.98	63.93	17.112		
6,400.00	6,259.22	6,277.07	5,955.84	32.62	37.66	63.78	-1,629.89	1,103.66	1,112.02	1,047.04	64.98	17.114		
6,500.00	6,356.74	6,375.42	6,048.35	33.15	38.29	63.77	-1,657.00	1,123.11	1,130.13	1,064.10	66.03	17.116		
6,600.00	6,454.25	6,473.76	6,140.87	33.67	38.91	63.75	-1,684.11	1,142.55	1,148.24	1,081.16	67.08	17.118		
6,623.48	6,477.15	6,496.85	6,162.59	33.80	39.06	63.75	-1,690.47	1,147.12	1,152.49	1,085.17	67.33	17.118		
6,650.00	6,503.12	6,522.93	6,187.12	33.93	39.23	58.56	-1,697.66	1,152.27	1,157.30	1,089.70	67.60	17.121		
6,700.00	6,552.50	6,571.92	6,233.20	34.16	39.54	40.29	-1,711.17	1,161.96	1,166.33	1,098.26	68.06	17.136		
6,750.00	6,602.21	6,620.43	6,278.84	34.36	39.85	2.68	-1,724.54	1,171.55	1,175.31	1,106.84	68.47	17.164		
6,800.00	6,651.92	6,668.17	6,323.75	34.54	40.15	-35.99	-1,737.70	1,180.99	1,184.29	1,115.45	68.83	17.205		
6,850.00	6,701.33	6,714.53	6,367.55	34.70	40.43	-55.48	-1,750.53	1,189.09	1,193.30	1,124.16	69.15	17.257		
6,900.00	6,750.14	6,761.59	6,412.46	34.86	40.70	-64.81	-1,763.67	1,193.95	1,202.38	1,132.92	69.46	17.310		
6,950.00	6,798.04	6,809.72	6,458.63	35.02	40.93	-69.95	-1,777.16	1,195.34	1,211.47	1,141.68	69.79	17.360		
7,000.00	6,844.75	6,859.04	6,505.90	35.19	41.14	-73.13	-1,790.96	1,192.99	1,220.52	1,150.40	70.12	17.405		
7,050.00	6,889.97	6,909.65	6,554.10	35.37	41.32	-75.25	-1,805.01	1,186.63	1,229.47	1,158.99	70.49	17.443		
7,100.00	6,933.42	6,961.67	6,602.97	35.57	41.48	-76.76	-1,819.23	1,175.95	1,238.27	1,167.39	70.88	17.470		
7,150.00	6,974.83	7,015.22	6,652.23	35.79	41.62	-77.88	-1,833.55	1,160.66	1,246.85	1,175.54	71.31	17.484		
7,200.00	7,013.96	7,070.40	6,701.52	36.02	41.75	-78.75	-1,847.86	1,140.45	1,255.16	1,183.36	71.79	17.483		
7,250.00	7,050.56	7,127.32	6,750.41	36.28	41.87	-79.45	-1,862.03	1,115.03	1,263.11	1,190.78	72.33	17.464		
7,300.00	7,084.39	7,186.06	6,798.39	36.57	42.00	-80.02	-1,875.90	1,084.14	1,270.64	1,197.71	72.92	17.424		
7,350.00	7,115.27	7,246.70	6,844.83	36.89	42.14	-80.51	-1,889.30	1,047.57	1,277.67	1,204.08	73.59	17.362		
7,400.00	7,142.99	7,309.26	6,889.03	37.25	42.30	-80.92	-1,902.02	1,005.20	1,284.14	1,209.79	74.35	17.272		
7,450.00	7,167.38	7,373.74	6,930.19	37.65	42.49	-81.28	-1,913.82	957.02	1,289.96	1,214.75	75.21	17.152		
7,500.00	7,188.30	7,440.08	6,967.43	38.08	42.71	-81.60	-1,924.46	903.20	1,295.06	1,218.87	76.19	16.998		
7,550.00	7,205.61	7,508.15	6,999.86	38.55	42.98	-81.86	-1,933.66	844.10	1,299.37	1,222.06	77.31	16.808		
7,600.00	7,219.20	7,577.76	7,026.56	39.06	43.32	-82.08	-1,941.18	780.29	1,302.83	1,224.26	78.58	16.581		
7,650.00	7,229.00	7,648.66	7,046.73	39.61	43.72	-82.25	-1,946.76	712.59	1,305.38	1,225.40	79.99	16.320		
7,700.00	7,234.95	7,720.52	7,059.67	40.18	44.20	-82.37	-1,950.22	642.03	1,306.98	1,225.45	81.54	16.029		
7,750.07	7,237.00	7,793.06	7,064.92	40.78	44.76	-82.44	-1,951.43	569.73	1,307.61	1,224.41	83.19	15.718		
7,800.00	7,237.09	7,844.95	7,065.38	41.41	45.21	-82.45	-1,951.33	517.84	1,307.66	1,223.12	84.53	15.469		
7,900.00	7,237.28	7,944.95	7,066.20	42.79	46.21	-82.48	-1,951.12	417.84	1,307.75	1,220.42	87.33	14.974		
8,000.00	7,237.47	8,044.95	7,067.03	44.31	47.39	-82.51	-1,950.91	317.85	1,307.85	1,217.44	90.40	14.467		
8,100.00	7,237.65	8,144.95	7,067.86	45.97	48.75	-82.54	-1,950.70	217.85	1,307.95	1,214.23	93.72	13.956		
8,200.00	7,237.84	8,244.94	7,068.68	47.75	50.25	-82.57	-1,950.50	117.86	1,308.04	1,210.79	97.25	13.450		
8,300.00	7,238.02	8,344.94	7,069.51	49.63	51.91	-82.60	-1,950.29	17.86	1,308.14	1,207.16	100.98	12.954		
8,400.00	7,238.21	8,444.94	7,070.33	51.61	53.68	-82.63	-1,950.08	-82.13	1,308.24	1,203.35	104.89	12.473		
8,500.00	7,238.40	8,544.94	7,071.16	53.66	55.57	-82.66	-1,949.87	-182.12	1,308.34	1,199.39	108.95	12.009		
8,600.00	7,238.58	8,644.94	7,071.99	55.79	57.55	-82.68	-1,949.66	-282.12	1,308.43	1,195.29	113.15	11.564		
8,700.00	7,238.77	8,744.93	7,072.81	57.99	59.62	-82.71	-1,949.45	-382.11	1,308.53	1,191.06	117.47	11.139		
8,800.00	7,238.96	8,844.93	7,073.64	60.24	61.76	-82.74	-1,949.24	-482.11	1,308.63	1,186.72	121.91	10.734		
8,900.00	7,239.14	8,944.93	7,074.46	62.54	63.96	-82.77	-1,949.03	-582.10	1,308.73	1,182.29	126.45	10.350		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,044.93	7,075.29	64.88	66.22	-82.80	-1,948.82	-682.09	1,308.83	1,177.76	131.07	9.985		
9,100.00	7,239.52	9,144.92	7,076.12	67.27	68.53	-82.83	-1,948.61	-782.09	1,308.93	1,173.15	135.78	9.640		
9,200.00	7,239.70	9,244.92	7,076.94	69.69	70.88	-82.86	-1,948.40	-882.08	1,309.03	1,168.47	140.56	9.313		
9,300.00	7,239.89	9,344.92	7,077.77	72.15	73.28	-82.89	-1,948.19	-982.08	1,309.13	1,163.73	145.41	9.003		
9,400.00	7,240.07	9,444.92	7,078.59	74.63	75.70	-82.92	-1,947.99	-1,082.07	1,309.23	1,158.92	150.31	8.710		
9,500.00	7,240.26	9,544.92	7,079.42	77.14	78.16	-82.94	-1,947.78	-1,182.07	1,309.34	1,154.07	155.27	8.433		
9,600.00	7,240.45	9,644.91	7,080.24	79.68	80.65	-82.97	-1,947.57	-1,282.06	1,309.44	1,149.16	160.28	8.170		
9,700.00	7,240.63	9,744.91	7,081.07	82.23	83.16	-83.00	-1,947.36	-1,382.05	1,309.54	1,144.21	165.33	7.921		
9,800.00	7,240.82	9,844.91	7,081.90	84.81	85.70	-83.03	-1,947.15	-1,482.05	1,309.64	1,139.22	170.42	7.685		
9,900.00	7,241.01	9,944.91	7,082.72	87.40	88.25	-83.06	-1,946.94	-1,582.04	1,309.74	1,134.19	175.55	7.461		
10,000.00	7,241.19	10,044.90	7,083.55	90.01	90.83	-83.09	-1,946.73	-1,682.04	1,309.85	1,129.13	180.71	7.248		
10,100.00	7,241.38	10,144.90	7,084.37	92.64	93.42	-83.12	-1,946.52	-1,782.03	1,309.95	1,124.04	185.91	7.046		
10,200.00	7,241.56	10,244.90	7,085.20	95.28	96.03	-83.15	-1,946.31	-1,882.02	1,310.05	1,118.92	191.13	6.854		
10,300.00	7,241.75	10,344.90	7,086.03	97.93	98.65	-83.17	-1,946.10	-1,982.02	1,310.16	1,113.78	196.38	6.672		
10,400.00	7,241.94	10,444.90	7,086.85	100.59	101.29	-83.20	-1,945.89	-2,082.01	1,310.26	1,108.61	201.65	6.498		
10,500.00	7,242.12	10,544.89	7,087.68	103.26	103.94	-83.23	-1,945.68	-2,182.01	1,310.37	1,103.42	206.95	6.332		
10,600.00	7,242.31	10,644.89	7,088.50	105.95	106.60	-83.26	-1,945.48	-2,282.00	1,310.47	1,098.21	212.27	6.174		
10,700.00	7,242.50	10,744.89	7,089.33	108.64	109.27	-83.29	-1,945.27	-2,382.00	1,310.58	1,092.98	217.60	6.023		
10,800.00	7,242.68	10,844.89	7,090.15	111.34	111.95	-83.32	-1,945.06	-2,481.99	1,310.68	1,087.73	222.96	5.879		
10,900.00	7,242.87	10,944.88	7,090.98	114.05	114.64	-83.35	-1,944.85	-2,581.98	1,310.79	1,082.46	228.33	5.741		
11,000.00	7,243.05	11,044.88	7,091.81	116.76	117.34	-83.37	-1,944.64	-2,681.98	1,310.90	1,077.18	233.72	5.609		
11,100.00	7,243.24	11,144.88	7,092.63	119.49	120.04	-83.40	-1,944.43	-2,781.97	1,311.00	1,071.88	239.12	5.483		
11,200.00	7,243.43	11,244.88	7,093.46	122.22	122.76	-83.43	-1,944.22	-2,881.97	1,311.11	1,066.58	244.53	5.362		
11,300.00	7,243.61	11,344.88	7,094.28	124.95	125.47	-83.46	-1,944.01	-2,981.96	1,311.22	1,061.25	249.96	5.246		
11,400.00	7,243.80	11,444.87	7,095.11	127.69	128.20	-83.49	-1,943.80	-3,081.95	1,311.32	1,055.92	255.40	5.134		
11,500.00	7,243.99	11,544.87	7,095.94	130.44	130.93	-83.52	-1,943.59	-3,181.95	1,311.43	1,050.58	260.85	5.027		
11,600.00	7,244.17	11,644.87	7,096.76	133.19	133.67	-83.55	-1,943.38	-3,281.94	1,311.54	1,045.22	266.32	4.925		
11,700.00	7,244.36	11,744.87	7,097.59	135.94	136.41	-83.58	-1,943.17	-3,381.94	1,311.65	1,039.86	271.79	4.826		
11,800.00	7,244.55	11,844.86	7,098.41	138.70	139.16	-83.60	-1,942.97	-3,481.93	1,311.76	1,034.49	277.27	4.731		
11,900.00	7,244.73	11,944.86	7,099.24	141.47	141.91	-83.63	-1,942.76	-3,581.93	1,311.87	1,029.10	282.76	4.639		
12,000.00	7,244.92	12,044.86	7,100.07	144.24	144.67	-83.66	-1,942.55	-3,681.92	1,311.98	1,023.71	288.26	4.551		
12,100.00	7,245.10	12,144.86	7,100.89	147.01	147.42	-83.69	-1,942.34	-3,781.91	1,312.09	1,018.31	293.77	4.466		
12,200.00	7,245.29	12,244.86	7,101.72	149.78	150.19	-83.72	-1,942.13	-3,881.91	1,312.20	1,012.91	299.29	4.384		
12,300.00	7,245.48	12,344.85	7,102.54	152.56	152.96	-83.75	-1,941.92	-3,981.90	1,312.31	1,007.50	304.81	4.305		
12,400.00	7,245.66	12,444.85	7,103.37	155.34	155.73	-83.78	-1,941.71	-4,081.90	1,312.42	1,002.08	310.34	4.229		
12,500.00	7,245.85	12,544.85	7,104.19	158.12	158.50	-83.80	-1,941.50	-4,181.89	1,312.53	996.65	315.88	4.155		
12,600.00	7,246.04	12,644.85	7,105.02	160.91	161.28	-83.83	-1,941.29	-4,281.88	1,312.64	991.22	321.42	4.084		
12,700.00	7,246.22	12,744.85	7,105.85	163.70	164.06	-83.86	-1,941.08	-4,381.88	1,312.75	985.79	326.97	4.015		
12,800.00	7,246.41	12,844.84	7,106.67	166.49	166.84	-83.89	-1,940.87	-4,481.87	1,312.87	980.34	332.52	3.948		
12,900.00	7,246.59	12,944.84	7,107.50	169.28	169.63	-83.92	-1,940.66	-4,581.87	1,312.98	974.90	338.08	3.884		
13,000.00	7,246.78	13,044.84	7,108.32	172.08	172.41	-83.95	-1,940.46	-4,681.86	1,313.09	969.44	343.65	3.821		
13,100.00	7,246.97	13,144.84	7,109.15	174.88	175.20	-83.98	-1,940.25	-4,781.86	1,313.20	963.99	349.22	3.760		
13,200.00	7,247.15	13,244.83	7,109.98	177.68	178.00	-84.00	-1,940.04	-4,881.85	1,313.32	958.53	354.79	3.702		
13,300.00	7,247.34	13,344.83	7,110.80	180.48	180.79	-84.03	-1,939.83	-4,981.84	1,313.43	953.06	360.37	3.645		
13,400.00	7,247.53	13,368.87	7,111.00	183.28	181.46	-84.04	-1,939.78	-5,005.88	1,315.74	952.80	362.94	3.625 SF		
13,500.00	7,247.71	13,368.87	7,111.00	186.09	181.46	-84.04	-1,939.78	-5,005.88	1,325.39	962.58	362.81	3.653		
13,600.00	7,247.90	13,368.87	7,111.00	188.90	181.46	-84.04	-1,939.78	-5,005.88	1,342.44	981.68	360.77	3.721		
13,700.00	7,248.08	13,368.87	7,111.00	191.70	181.46	-84.04	-1,939.78	-5,005.88	1,366.62	1,009.63	356.99	3.828		
13,800.00	7,248.27	13,368.87	7,111.00	194.52	181.46	-84.04	-1,939.78	-5,005.88	1,397.55	1,045.82	351.73	3.973		
13,900.00	7,248.46	13,368.87	7,111.00	197.33	181.46	-84.04	-1,939.78	-5,005.88	1,434.80	1,089.55	345.25	4.156		
14,000.00	7,248.64	13,368.87	7,111.00	200.14	181.46	-84.04	-1,939.78	-5,005.88	1,477.88	1,140.05	337.83	4.375		
14,100.00	7,248.83	13,368.87	7,111.00	202.95	181.46	-84.04	-1,939.78	-5,005.88	1,526.31	1,196.56	329.75	4.629		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	13,368.87	7,111.00	205.77	181.46	-84.04	-1,939.78	-5,005.88	1,579.59	1,258.35	321.25	4.917		
14,300.00	7,249.20	13,368.87	7,111.00	208.59	181.46	-84.04	-1,939.78	-5,005.88	1,637.26	1,324.73	312.53	5.239		
14,400.00	7,249.39	13,368.87	7,111.00	211.41	181.46	-84.04	-1,939.78	-5,005.88	1,698.85	1,395.09	303.76	5.593		
14,500.00	7,249.58	13,368.87	7,111.00	214.23	181.46	-84.04	-1,939.78	-5,005.88	1,763.97	1,468.89	295.08	5.978		
14,600.00	7,249.76	13,368.87	7,111.00	217.05	181.46	-84.04	-1,939.78	-5,005.88	1,832.24	1,545.66	286.58	6.393		
14,700.00	7,249.95	13,368.87	7,111.00	219.87	181.46	-84.04	-1,939.78	-5,005.88	1,903.31	1,624.97	278.34	6.838		
14,800.00	7,250.13	13,368.87	7,111.00	222.69	181.46	-84.04	-1,939.78	-5,005.88	1,976.88	1,706.49	270.39	7.311		
14,900.00	7,250.32	13,368.87	7,111.00	225.51	181.46	-84.04	-1,939.78	-5,005.88	2,052.70	1,789.91	262.79	7.811		
15,000.00	7,250.51	13,368.87	7,111.00	228.34	181.46	-84.04	-1,939.78	-5,005.88	2,130.51	1,874.98	255.53	8.338		
15,100.00	7,250.69	13,368.87	7,111.00	231.16	181.46	-84.04	-1,939.78	-5,005.88	2,210.10	1,961.48	248.62	8.889		
15,200.00	7,250.88	13,368.87	7,111.00	233.99	181.46	-84.04	-1,939.78	-5,005.88	2,291.30	2,049.22	242.07	9.465		
15,300.00	7,251.07	13,368.87	7,111.00	236.82	181.46	-84.04	-1,939.78	-5,005.88	2,373.93	2,138.06	235.87	10.065		
15,400.00	7,251.25	13,368.87	7,111.00	239.65	181.46	-84.04	-1,939.78	-5,005.88	2,457.85	2,227.85	230.00	10.686		
15,500.00	7,251.44	13,368.87	7,111.00	242.47	181.46	-84.04	-1,939.78	-5,005.88	2,542.94	2,318.48	224.46	11.329		
15,600.00	7,251.62	13,368.87	7,111.00	245.30	181.46	-84.04	-1,939.78	-5,005.88	2,629.07	2,409.86	219.22	11.993		
15,700.00	7,251.81	13,368.87	7,111.00	248.13	181.46	-84.04	-1,939.78	-5,005.88	2,716.16	2,501.89	214.27	12.677		
15,800.00	7,252.00	13,368.87	7,111.00	250.97	181.46	-84.04	-1,939.78	-5,005.88	2,804.10	2,594.51	209.59	13.379		
15,900.00	7,252.18	13,368.87	7,111.00	253.80	181.46	-84.04	-1,939.78	-5,005.88	2,892.84	2,687.66	205.18	14.099		
16,000.00	7,252.37	13,368.87	7,111.00	256.63	181.46	-84.04	-1,939.78	-5,005.88	2,982.28	2,781.27	201.01	14.837		
16,100.00	7,252.56	13,368.87	7,111.00	259.46	181.46	-84.04	-1,939.78	-5,005.88	3,072.37	2,875.31	197.06	15.591		
16,200.00	7,252.74	13,368.87	7,111.00	262.30	181.46	-84.04	-1,939.78	-5,005.88	3,163.06	2,969.73	193.34	16.360		
16,300.00	7,252.93	13,368.87	7,111.00	265.13	181.46	-84.04	-1,939.78	-5,005.88	3,254.30	3,064.49	189.81	17.145		
16,400.00	7,253.11	13,368.87	7,111.00	267.96	181.46	-84.04	-1,939.78	-5,005.88	3,346.04	3,159.56	186.47	17.944		
16,500.00	7,253.30	13,368.87	7,111.00	270.80	181.46	-84.04	-1,939.78	-5,005.88	3,438.23	3,254.92	183.31	18.756		
16,600.00	7,253.49	13,368.87	7,111.00	273.64	181.46	-84.04	-1,939.78	-5,005.88	3,530.86	3,350.54	180.32	19.581		
16,700.00	7,253.67	13,368.87	7,111.00	276.47	181.46	-84.04	-1,939.78	-5,005.88	3,623.87	3,446.39	177.48	20.418		
16,800.00	7,253.86	13,368.87	7,111.00	279.31	181.46	-84.04	-1,939.78	-5,005.88	3,717.25	3,542.46	174.79	21.267		
16,900.00	7,254.05	13,368.87	7,111.00	282.15	181.46	-84.04	-1,939.78	-5,005.88	3,810.96	3,638.73	172.23	22.127		
17,000.00	7,254.23	13,368.87	7,111.00	284.98	181.46	-84.04	-1,939.78	-5,005.88	3,904.99	3,735.18	169.80	22.997		
17,100.00	7,254.42	13,368.87	7,111.00	287.82	181.46	-84.04	-1,939.78	-5,005.88	3,999.30	3,831.81	167.49	23.877		
17,200.00	7,254.61	13,368.87	7,111.00	290.66	181.46	-84.04	-1,939.78	-5,005.88	4,093.89	3,928.59	165.30	24.767		
17,300.00	7,254.79	13,368.87	7,111.00	293.50	181.46	-84.04	-1,939.78	-5,005.88	4,188.72	4,025.51	163.21	25.665		
17,400.00	7,254.98	13,368.87	7,111.00	296.34	181.46	-84.04	-1,939.78	-5,005.88	4,283.79	4,122.58	161.22	26.572		
17,500.00	7,255.16	13,368.87	7,111.00	299.18	181.46	-84.04	-1,939.78	-5,005.88	4,379.08	4,219.76	159.32	27.486		
17,600.00	7,255.35	13,368.87	7,111.00	302.02	181.46	-84.04	-1,939.78	-5,005.88	4,474.58	4,317.07	157.51	28.407		
17,700.00	7,255.54	13,368.87	7,111.00	304.86	181.46	-84.04	-1,939.78	-5,005.88	4,570.27	4,414.48	155.79	29.336		
17,800.00	7,255.72	13,368.87	7,111.00	307.70	181.46	-84.04	-1,939.78	-5,005.88	4,666.14	4,512.00	154.14	30.271		
17,900.00	7,255.91	13,368.87	7,111.00	310.54	181.46	-84.04	-1,939.78	-5,005.88	4,762.18	4,609.61	152.57	31.212		
18,000.00	7,256.10	13,368.87	7,111.00	313.39	181.46	-84.04	-1,939.78	-5,005.88	4,858.38	4,707.31	151.07	32.159		
18,100.00	7,256.28	13,368.87	7,111.00	316.23	181.46	-84.04	-1,939.78	-5,005.88	4,954.73	4,805.09	149.64	33.112		
18,200.00	7,256.47	13,368.87	7,111.00	319.07	181.46	-84.04	-1,939.78	-5,005.88	5,051.22	4,902.96	148.26	34.069		
18,300.00	7,256.65	13,368.87	7,111.00	321.91	181.46	-84.04	-1,939.78	-5,005.88	5,147.85	5,000.90	146.95	35.031		
18,400.00	7,256.84	13,368.87	7,111.00	324.76	181.46	-84.04	-1,939.78	-5,005.88	5,244.60	5,098.91	145.69	35.998		
18,500.00	7,257.03	13,368.87	7,111.00	327.60	181.46	-84.04	-1,939.78	-5,005.88	5,341.47	5,196.98	144.49	36.968		
18,600.00	7,257.21	13,368.87	7,111.00	330.44	181.46	-84.04	-1,939.78	-5,005.88	5,438.46	5,295.12	143.34	37.942		
18,700.00	7,257.40	13,368.87	7,111.00	333.29	181.46	-84.04	-1,939.78	-5,005.88	5,535.55	5,393.32	142.23	38.920		
18,800.00	7,257.59	13,368.87	7,111.00	336.13	181.46	-84.04	-1,939.78	-5,005.88	5,632.74	5,491.57	141.17	39.901		
18,900.00	7,257.77	13,368.87	7,111.00	338.98	181.46	-84.04	-1,939.78	-5,005.88	5,730.03	5,589.88	140.15	40.885		
19,000.00	7,257.96	13,368.87	7,111.00	341.82	181.46	-84.04	-1,939.78	-5,005.88	5,827.42	5,688.24	139.17	41.871		
19,022.43	7,258.00	13,368.87	7,111.00	342.46	181.46	-84.04	-1,939.78	-5,005.88	5,849.27	5,710.31	138.96	42.093		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.52	-165.03	-1.39	165.04					
100.00	100.00	100.00	100.00	3.28	3.28	-179.52	-165.03	-1.39	165.04	158.47	6.57	25.122		
200.00	200.00	200.00	200.00	3.34	3.34	-179.52	-165.03	-1.39	165.04	158.36	6.67	24.728		
300.00	300.00	300.00	300.00	3.44	3.44	-179.52	-165.03	-1.39	165.04	158.15	6.89	23.954 CC, ES		
400.00	399.98	395.04	395.02	3.60	3.59	64.75	-166.46	-0.73	165.79	158.59	7.19	23.050		
500.00	499.84	490.01	489.87	3.79	3.77	65.55	-170.75	1.26	168.06	160.48	7.58	22.170		
600.00	599.45	584.85	584.38	4.03	3.98	66.82	-177.87	4.56	171.92	163.87	8.05	21.357		
700.00	698.70	679.48	678.37	4.30	4.23	68.50	-187.80	9.17	177.46	168.87	8.59	20.665		
800.00	797.47	773.84	771.68	4.61	4.51	70.49	-200.50	15.06	184.82	175.63	9.18	20.124		
900.00	895.62	867.87	864.16	4.96	4.82	72.70	-215.92	22.21	194.10	184.27	9.83	19.740		
939.50	934.20	904.90	900.42	5.10	4.95	73.61	-222.75	25.38	198.32	188.22	10.10	19.637		
1,000.00	993.20	961.53	955.67	5.33	5.16	74.99	-234.01	30.60	205.59	195.06	10.52	19.536		
1,100.00	1,090.72	1,054.84	1,046.13	5.73	5.53	76.68	-254.73	40.21	219.87	208.60	11.26	19.523		
1,200.00	1,188.24	1,147.60	1,135.29	6.15	5.93	77.68	-277.95	50.98	236.78	224.75	12.03	19.685		
1,300.00	1,285.76	1,239.63	1,222.88	6.59	6.35	78.11	-303.58	62.86	256.17	243.35	12.82	19.985		
1,400.00	1,383.28	1,330.76	1,308.67	7.04	6.79	78.07	-331.45	75.79	277.95	264.32	13.62	20.401		
1,500.00	1,480.80	1,420.82	1,392.44	7.50	7.26	77.68	-361.41	89.68	302.08	287.64	14.44	20.919		
1,600.00	1,578.31	1,509.64	1,474.02	7.96	7.76	77.03	-393.29	104.47	328.56	313.30	15.26	21.530		
1,700.00	1,675.83	1,597.09	1,553.23	8.44	8.28	76.19	-426.90	120.05	357.39	341.31	16.08	22.227		
1,800.00	1,773.35	1,686.45	1,633.05	8.92	8.84	75.21	-463.32	136.94	388.43	371.50	16.93	22.940		
1,900.00	1,870.87	1,781.12	1,717.38	9.40	9.46	74.28	-502.35	155.05	420.02	402.15	17.87	23.508		
2,000.00	1,968.39	1,875.79	1,801.71	9.89	10.09	73.48	-541.38	173.15	451.70	432.88	18.82	24.005		
2,100.00	2,065.91	1,970.46	1,886.04	10.39	10.73	72.78	-580.41	191.25	483.45	463.67	19.78	24.442		
2,200.00	2,163.43	2,065.13	1,970.38	10.88	11.39	72.17	-619.45	209.35	515.25	494.50	20.75	24.828		
2,300.00	2,260.95	2,159.81	2,054.71	11.38	12.05	71.62	-658.48	227.45	547.10	525.37	21.74	25.170		
2,400.00	2,358.46	2,254.48	2,139.04	11.89	12.72	71.14	-697.51	245.55	578.99	556.27	22.73	25.475		
2,500.00	2,455.98	2,349.15	2,223.37	12.39	13.40	70.71	-736.54	263.65	610.92	587.19	23.73	25.748		
2,600.00	2,553.50	2,443.82	2,307.70	12.89	14.08	70.32	-775.57	281.75	642.87	618.14	24.73	25.993		
2,700.00	2,651.02	2,538.49	2,392.03	13.40	14.77	69.97	-814.60	299.86	674.85	649.10	25.74	26.215		
2,800.00	2,748.54	2,633.17	2,476.36	13.91	15.46	69.65	-853.63	317.96	706.84	680.08	26.76	26.415		
2,900.00	2,846.06	2,727.84	2,560.69	14.42	16.15	69.36	-892.67	336.06	738.86	711.08	27.78	26.597		
3,000.00	2,943.58	2,822.51	2,645.02	14.93	16.85	69.09	-931.70	354.16	770.89	742.08	28.80	26.763		
3,100.00	3,041.10	2,917.18	2,729.35	15.45	17.55	68.84	-970.73	372.26	802.93	773.10	29.83	26.914		
3,200.00	3,138.61	3,011.85	2,813.68	15.96	18.25	68.61	-1,009.76	390.36	834.99	804.13	30.86	27.053		
3,300.00	3,236.13	3,106.53	2,898.02	16.47	18.95	68.40	-1,048.79	408.46	867.06	835.16	31.90	27.181		
3,400.00	3,333.65	3,201.20	2,982.35	16.99	19.66	68.21	-1,087.82	426.56	899.14	866.20	32.94	27.299		
3,500.00	3,431.17	3,295.87	3,066.68	17.50	20.37	68.02	-1,126.85	444.66	931.22	897.25	33.98	27.408		
3,600.00	3,528.69	3,409.46	3,151.01	18.02	21.22	67.85	-1,165.88	462.77	963.32	928.19	35.13	27.419		
3,700.00	3,626.21	3,485.21	3,235.34	18.54	21.78	67.69	-1,204.92	480.87	995.42	959.36	36.06	27.603		
3,800.00	3,723.73	3,579.89	3,319.67	19.06	22.50	67.54	-1,243.95	498.97	1,027.53	990.42	37.11	27.691		
3,900.00	3,821.25	3,674.56	3,404.00	19.57	23.21	67.40	-1,282.98	517.07	1,059.64	1,021.49	38.15	27.772		
4,000.00	3,918.77	3,769.23	3,488.33	20.09	23.92	67.27	-1,322.01	535.17	1,091.76	1,052.56	39.20	27.849		
4,100.00	4,016.28	3,863.90	3,572.66	20.61	24.64	67.15	-1,361.04	553.27	1,123.89	1,083.63	40.25	27.920		
4,200.00	4,113.80	3,958.57	3,656.99	21.13	25.35	67.03	-1,400.07	571.37	1,156.02	1,114.71	41.31	27.987		
4,300.00	4,211.32	4,053.25	3,741.32	21.65	26.07	66.92	-1,439.10	589.47	1,188.15	1,145.79	42.36	28.050		
4,400.00	4,308.84	4,147.92	3,825.66	22.17	26.78	66.81	-1,478.13	607.58	1,220.29	1,176.87	43.41	28.109		
4,500.00	4,406.36	4,242.59	3,909.99	22.69	27.50	66.71	-1,517.17	625.68	1,252.43	1,207.96	44.47	28.164		
4,600.00	4,503.88	4,337.26	3,994.32	23.21	28.22	66.62	-1,556.20	643.78	1,284.57	1,239.05	45.52	28.217		
4,700.00	4,601.40	4,431.94	4,078.65	23.73	28.94	66.53	-1,595.23	661.88	1,316.72	1,270.14	46.58	28.267		
4,800.00	4,698.92	4,526.61	4,162.98	24.26	29.66	66.44	-1,634.26	679.98	1,348.87	1,301.23	47.64	28.314		
4,900.00	4,796.43	4,621.28	4,247.31	24.78	30.37	66.36	-1,673.29	698.08	1,381.02	1,332.32	48.70	28.358		
5,000.00	4,893.95	4,715.95	4,331.64	25.30	31.09	66.28	-1,712.32	716.18	1,413.18	1,363.42	49.76	28.400		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,810.62	4,415.97	25.82	31.81	66.20	-1,751.35	734.28	1,445.33	1,394.51	50.82	28.440		
5,200.00	5,088.99	4,905.30	4,500.30	26.34	32.54	66.13	-1,790.39	752.38	1,477.49	1,425.61	51.88	28.478		
5,300.00	5,186.51	5,000.03	4,584.63	26.87	33.26	66.06	-1,829.42	770.49	1,509.65	1,456.71	52.94	28.514		
5,400.00	5,284.03	5,105.36	4,668.96	27.39	34.06	66.00	-1,868.45	788.59	1,541.82	1,487.74	54.07	28.514		
5,500.00	5,381.55	5,189.31	4,753.30	27.91	34.70	65.94	-1,907.48	806.69	1,573.98	1,518.91	55.07	28.582		
5,600.00	5,479.07	5,283.98	4,837.63	28.43	35.42	65.87	-1,946.51	824.79	1,606.15	1,550.01	56.13	28.613		
5,700.00	5,576.58	5,378.66	4,921.96	28.96	36.14	65.82	-1,985.54	842.89	1,638.32	1,581.12	57.20	28.643		
5,800.00	5,674.10	5,473.33	5,006.29	29.48	36.87	65.76	-2,024.57	860.99	1,670.48	1,612.22	58.26	28.672		
5,900.00	5,771.62	5,568.00	5,090.62	30.00	37.59	65.71	-2,063.60	879.09	1,702.66	1,643.33	59.33	28.700		
6,000.00	5,869.14	5,662.67	5,174.95	30.53	38.31	65.66	-2,102.64	897.19	1,734.83	1,674.43	60.39	28.726		
6,100.00	5,966.66	5,757.34	5,259.28	31.05	39.04	65.61	-2,141.67	915.30	1,767.00	1,705.54	61.46	28.751		
6,200.00	6,064.18	5,852.02	5,343.61	31.58	39.76	65.56	-2,180.70	933.40	1,799.17	1,736.65	62.53	28.775		
6,300.00	6,161.70	5,946.69	5,427.94	32.10	40.48	65.51	-2,219.73	951.50	1,831.35	1,767.76	63.59	28.798		
6,400.00	6,259.22	6,041.36	5,512.27	32.62	41.21	65.47	-2,258.76	969.60	1,863.53	1,798.87	64.66	28.820		
6,500.00	6,356.74	6,136.03	5,596.60	33.15	41.93	65.42	-2,297.79	987.70	1,895.70	1,829.98	65.73	28.842		
6,600.00	6,454.25	6,230.70	5,680.93	33.67	42.65	65.38	-2,336.82	1,005.80	1,927.88	1,861.09	66.80	28.862		
6,623.48	6,477.15	6,252.93	5,700.73	33.80	42.83	65.37	-2,345.99	1,010.05	1,935.44	1,868.39	67.05	28.867		
6,650.00	6,503.12	6,278.03	5,723.09	33.93	43.02	60.56	-2,356.34	1,014.85	1,943.95	1,876.63	67.32	28.875		
6,700.00	6,552.50	6,325.18	5,765.09	34.16	43.38	43.03	-2,375.78	1,023.87	1,959.88	1,892.07	67.81	28.903		
6,750.00	6,602.21	6,371.87	5,806.68	34.36	43.74	6.23	-2,395.02	1,032.79	1,975.58	1,907.34	68.25	28.948		
6,800.00	6,651.92	6,417.81	5,847.61	34.54	44.09	-31.61	-2,413.96	1,041.58	1,991.01	1,922.37	68.64	29.008		
6,850.00	6,701.33	6,462.72	5,887.61	34.70	44.43	-50.29	-2,432.48	1,050.16	2,006.13	1,937.14	69.00	29.075		
6,900.00	6,750.14	6,506.32	5,926.44	34.86	44.76	-58.92	-2,450.45	1,058.50	2,020.95	1,951.62	69.34	29.147		
6,950.00	6,798.04	6,548.33	5,963.87	35.02	45.09	-63.43	-2,467.78	1,066.53	2,035.47	1,965.82	69.66	29.222		
7,000.00	6,844.75	6,588.51	5,999.66	35.19	45.39	-66.04	-2,484.34	1,074.21	2,049.72	1,979.76	69.96	29.299		
7,050.00	6,889.97	6,626.61	6,033.59	35.37	45.69	-67.63	-2,500.05	1,081.50	2,063.71	1,993.47	70.25	29.377		
7,100.00	6,933.42	6,662.38	6,065.46	35.57	45.96	-68.63	-2,514.80	1,088.34	2,077.51	2,006.98	70.53	29.457		
7,150.00	6,974.83	6,704.38	6,095.06	35.79	46.28	-69.24	-2,528.50	1,094.69	2,091.15	2,020.30	70.85	29.515		
7,200.00	7,013.96	6,726.10	6,122.22	36.02	46.45	-69.56	-2,541.07	1,100.52	2,104.67	2,033.61	71.06	29.617		
7,250.00	7,050.56	6,753.66	6,146.77	36.28	46.66	-69.67	-2,552.43	1,105.79	2,118.13	2,046.80	71.33	29.695		
7,300.00	7,084.39	6,778.11	6,168.55	36.57	46.85	-69.59	-2,562.51	1,110.46	2,131.54	2,059.94	71.60	29.771		
7,350.00	7,115.27	6,800.70	6,187.43	36.89	47.02	-69.34	-2,571.25	1,114.52	2,144.95	2,073.07	71.88	29.841		
7,400.00	7,142.99	6,817.11	6,203.29	37.25	47.14	-68.94	-2,578.59	1,117.92	2,158.37	2,086.21	72.16	29.913		
7,450.00	7,167.38	6,831.43	6,216.04	37.65	47.25	-68.38	-2,584.49	1,120.66	2,171.79	2,099.34	72.45	29.976		
7,500.00	7,188.30	6,842.16	6,225.60	38.08	47.34	-67.69	-2,588.92	1,122.71	2,185.21	2,112.45	72.76	30.034		
7,550.00	7,205.61	6,849.24	6,231.91	38.55	47.39	-66.85	-2,591.84	1,124.07	2,198.60	2,125.52	73.08	30.086		
7,600.00	7,219.20	6,852.63	6,234.93	39.06	47.42	-65.89	-2,593.23	1,124.71	2,211.91	2,138.50	73.41	30.131		
7,650.00	7,229.00	6,852.31	6,234.64	39.61	47.41	-64.81	-2,593.10	1,124.65	2,225.08	2,151.33	73.75	30.170		
7,700.00	7,234.95	6,848.27	6,231.05	40.18	47.38	-63.62	-2,591.44	1,123.88	2,238.03	2,163.94	74.10	30.204		
7,750.07	7,237.00	6,840.54	6,224.16	40.78	47.32	-62.34	-2,588.25	1,122.40	2,250.68	2,176.24	74.44	30.233		
7,800.00	7,237.09	6,830.99	6,215.65	41.41	47.25	-62.10	-2,584.31	1,120.58	2,263.60	2,188.80	74.80	30.260		
7,900.00	7,237.28	6,811.88	6,198.63	42.79	47.10	-61.61	-2,576.43	1,116.92	2,292.41	2,216.80	75.61	30.318		
8,000.00	7,237.47	6,807.24	6,181.60	44.31	47.07	-61.12	-2,568.55	1,113.27	2,325.00	2,248.41	76.59	30.356		
8,100.00	7,237.65	6,773.65	6,164.57	45.97	46.81	-60.62	-2,560.67	1,109.61	2,361.23	2,283.77	77.46	30.482		
8,200.00	7,237.84	8,770.24	7,234.63	47.75	56.69	-89.92	-3,049.45	115.69	2,396.02	2,296.56	99.45	24.092		
8,300.00	7,238.02	8,870.24	7,235.21	49.63	57.82	-89.93	-3,049.19	15.69	2,396.15	2,293.02	103.13	23.235		
8,400.00	7,238.21	8,970.24	7,235.79	51.61	59.12	-89.94	-3,048.93	-84.30	2,396.28	2,289.30	106.98	22.400		
8,500.00	7,238.40	9,070.24	7,236.37	53.66	60.58	-89.95	-3,048.67	-184.30	2,396.41	2,285.42	110.99	21.591		
8,600.00	7,238.58	9,170.24	7,236.96	55.79	62.19	-89.96	-3,048.41	-284.30	2,396.53	2,281.39	115.14	20.813		
8,700.00	7,238.77	9,270.24	7,237.54	57.99	63.93	-89.97	-3,048.14	-384.29	2,396.66	2,277.23	119.43	20.067		
8,800.00	7,238.96	9,370.24	7,238.12	60.24	65.79	-89.98	-3,047.88	-484.29	2,396.79	2,272.96	123.83	19.355		
8,900.00	7,239.14	9,470.24	7,238.70	62.54	67.75	-89.99	-3,047.62	-584.29	2,396.92	2,268.59	128.34	18.677		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,570.24	7,239.28	64.88	69.79	-90.00	-3,047.36	-684.29	2,397.05	2,264.12	132.93	18.032		
9,100.00	7,239.52	9,670.24	7,239.86	67.27	71.91	-90.01	-3,047.10	-784.28	2,397.18	2,259.56	137.62	17.419		
9,200.00	7,239.70	9,770.23	7,240.44	69.69	74.10	-90.02	-3,046.84	-884.28	2,397.31	2,254.94	142.37	16.838		
9,300.00	7,239.89	9,870.23	7,241.02	72.15	76.34	-90.03	-3,046.58	-984.28	2,397.44	2,250.24	147.20	16.287		
9,400.00	7,240.07	9,970.23	7,241.60	74.63	78.64	-90.04	-3,046.32	-1,084.27	2,397.57	2,245.48	152.09	15.764		
9,500.00	7,240.26	10,070.23	7,242.18	77.14	80.98	-90.05	-3,046.05	-1,184.27	2,397.70	2,240.67	157.03	15.269		
9,600.00	7,240.45	10,170.23	7,242.77	79.68	83.36	-90.06	-3,045.79	-1,284.27	2,397.83	2,235.80	162.03	14.799		
9,700.00	7,240.63	10,270.23	7,243.35	82.23	85.77	-90.06	-3,045.53	-1,384.27	2,397.96	2,230.89	167.07	14.353		
9,800.00	7,240.82	10,370.23	7,243.93	84.81	88.21	-90.07	-3,045.27	-1,484.26	2,398.09	2,225.93	172.16	13.930		
9,900.00	7,241.01	10,470.23	7,244.51	87.40	90.69	-90.08	-3,045.01	-1,584.26	2,398.22	2,220.94	177.28	13.528		
10,000.00	7,241.19	10,570.23	7,245.09	90.01	93.19	-90.09	-3,044.75	-1,684.26	2,398.35	2,215.91	182.44	13.146		
10,100.00	7,241.38	10,670.23	7,245.67	92.64	95.71	-90.10	-3,044.49	-1,784.25	2,398.48	2,210.85	187.63	12.783		
10,200.00	7,241.56	10,770.23	7,246.25	95.28	98.25	-90.11	-3,044.23	-1,884.25	2,398.61	2,205.76	192.85	12.438		
10,300.00	7,241.75	10,870.23	7,246.83	97.93	100.81	-90.12	-3,043.97	-1,984.25	2,398.74	2,200.64	198.10	12.109		
10,400.00	7,241.94	10,970.22	7,247.41	100.59	103.39	-90.13	-3,043.70	-2,084.25	2,398.87	2,195.50	203.37	11.796		
10,500.00	7,242.12	11,070.22	7,247.99	103.26	105.98	-90.14	-3,043.44	-2,184.24	2,399.00	2,190.33	208.67	11.497		
10,600.00	7,242.31	11,170.22	7,248.58	105.95	108.59	-90.15	-3,043.18	-2,284.24	2,399.13	2,185.15	213.99	11.212		
10,700.00	7,242.50	11,270.22	7,249.16	108.64	111.22	-90.16	-3,042.92	-2,384.24	2,399.26	2,179.94	219.33	10.939		
10,800.00	7,242.68	11,370.22	7,249.74	111.34	113.85	-90.17	-3,042.66	-2,484.23	2,399.39	2,174.71	224.68	10.679		
10,900.00	7,242.87	11,470.22	7,250.32	114.05	116.50	-90.18	-3,042.40	-2,584.23	2,399.52	2,169.46	230.06	10.430		
11,000.00	7,243.05	11,570.22	7,250.90	116.76	119.16	-90.19	-3,042.14	-2,684.23	2,399.65	2,164.20	235.45	10.192		
11,100.00	7,243.24	11,670.22	7,251.48	119.49	121.82	-90.20	-3,041.88	-2,784.22	2,399.78	2,158.93	240.86	9.964		
11,200.00	7,243.43	11,770.22	7,252.06	122.22	124.50	-90.21	-3,041.61	-2,884.22	2,399.92	2,153.64	246.28	9.745		
11,300.00	7,243.61	11,870.22	7,252.64	124.95	127.18	-90.22	-3,041.35	-2,984.22	2,400.05	2,148.33	251.71	9.535		
11,400.00	7,243.80	11,970.22	7,253.22	127.69	129.88	-90.23	-3,041.09	-3,084.22	2,400.18	2,143.02	257.16	9.333		
11,500.00	7,243.99	12,070.21	7,253.80	130.44	132.58	-90.23	-3,040.83	-3,184.21	2,400.31	2,137.69	262.62	9.140		
11,600.00	7,244.17	12,170.21	7,254.39	133.19	135.28	-90.24	-3,040.57	-3,284.21	2,400.44	2,132.35	268.09	8.954		
11,700.00	7,244.36	12,270.21	7,254.97	135.94	138.00	-90.25	-3,040.31	-3,384.21	2,400.57	2,127.01	273.56	8.775		
11,800.00	7,244.55	12,370.21	7,255.55	138.70	140.72	-90.26	-3,040.05	-3,484.20	2,400.70	2,121.65	279.05	8.603		
11,900.00	7,244.73	12,470.21	7,256.13	141.47	143.44	-90.27	-3,039.79	-3,584.20	2,400.83	2,116.28	284.55	8.437		
12,000.00	7,244.92	12,570.21	7,256.71	144.24	146.17	-90.28	-3,039.52	-3,684.20	2,400.96	2,110.91	290.06	8.278		
12,100.00	7,245.10	12,670.21	7,257.29	147.01	148.91	-90.29	-3,039.26	-3,784.20	2,401.10	2,105.52	295.57	8.124		
12,200.00	7,245.29	12,770.21	7,257.87	149.78	151.65	-90.30	-3,039.00	-3,884.19	2,401.23	2,100.13	301.10	7.975		
12,300.00	7,245.48	12,870.21	7,258.45	152.56	154.40	-90.31	-3,038.74	-3,984.19	2,401.36	2,094.73	306.62	7.832		
12,400.00	7,245.66	12,970.21	7,259.03	155.34	157.15	-90.32	-3,038.48	-4,084.19	2,401.49	2,089.33	312.16	7.693		
12,500.00	7,245.85	13,070.21	7,259.61	158.12	159.90	-90.33	-3,038.22	-4,184.18	2,401.62	2,083.92	317.70	7.559		
12,600.00	7,246.04	13,170.21	7,260.20	160.91	162.66	-90.34	-3,037.96	-4,284.18	2,401.75	2,078.50	323.25	7.430		
12,700.00	7,246.22	13,270.20	7,260.78	163.70	165.42	-90.35	-3,037.70	-4,384.18	2,401.89	2,073.08	328.81	7.305		
12,800.00	7,246.41	13,370.20	7,261.36	166.49	168.18	-90.36	-3,037.43	-4,484.18	2,402.02	2,067.65	334.37	7.184		
12,900.00	7,246.59	13,470.20	7,261.94	169.28	170.95	-90.37	-3,037.17	-4,584.17	2,402.15	2,062.22	339.93	7.067		
13,000.00	7,246.78	13,480.77	7,262.00	172.08	171.24	-90.37	-3,037.15	-4,594.74	2,403.95	2,061.51	342.44	7.020		
13,100.00	7,246.97	13,480.77	7,262.00	174.88	171.24	-90.37	-3,037.15	-4,594.74	2,409.87	2,065.82	344.05	7.004 SF		
13,200.00	7,247.15	13,480.77	7,262.00	177.68	171.24	-90.37	-3,037.15	-4,594.74	2,419.92	2,074.80	345.11	7.012		
13,300.00	7,247.34	13,480.77	7,262.00	180.48	171.24	-90.37	-3,037.15	-4,594.74	2,434.03	2,088.41	345.62	7.042		
13,400.00	7,247.53	13,480.77	7,262.00	183.28	171.24	-90.37	-3,037.15	-4,594.74	2,452.15	2,106.55	345.60	7.095		
13,500.00	7,247.71	13,480.77	7,262.00	186.09	171.24	-90.37	-3,037.15	-4,594.74	2,474.18	2,129.11	345.07	7.170		
13,600.00	7,247.90	13,480.77	7,262.00	188.90	171.24	-90.37	-3,037.15	-4,594.74	2,500.02	2,155.96	344.06	7.266		
13,700.00	7,248.08	13,480.77	7,262.00	191.70	171.24	-90.37	-3,037.15	-4,594.74	2,529.54	2,186.94	342.61	7.383		
13,800.00	7,248.27	13,480.77	7,262.00	194.52	171.24	-90.37	-3,037.15	-4,594.74	2,562.64	2,221.89	340.75	7.521		
13,900.00	7,248.46	13,480.77	7,262.00	197.33	171.24	-90.37	-3,037.15	-4,594.74	2,599.16	2,260.64	338.52	7.678		
14,000.00	7,248.64	13,480.77	7,262.00	200.14	171.24	-90.37	-3,037.15	-4,594.74	2,638.97	2,303.00	335.97	7.855		
14,100.00	7,248.83	13,480.77	7,262.00	202.95	171.24	-90.37	-3,037.15	-4,594.74	2,681.92	2,348.77	333.14	8.050		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	13,480.77	7,262.00	205.77	171.24	-90.37	-3,037.15	-4,594.74	2,727.86	2,397.78	330.07	8.264		
14,300.00	7,249.20	13,480.77	7,262.00	208.59	171.24	-90.37	-3,037.15	-4,594.74	2,776.64	2,449.84	326.80	8.496		
14,400.00	7,249.39	13,480.77	7,262.00	211.41	171.24	-90.37	-3,037.15	-4,594.74	2,828.12	2,504.75	323.36	8.746		
14,500.00	7,249.58	13,480.77	7,262.00	214.23	171.24	-90.37	-3,037.15	-4,594.74	2,882.14	2,562.35	319.79	9.013		
14,600.00	7,249.76	13,480.77	7,262.00	217.05	171.24	-90.37	-3,037.15	-4,594.74	2,938.58	2,622.46	316.12	9.296		
14,700.00	7,249.95	13,480.77	7,262.00	219.87	171.24	-90.37	-3,037.15	-4,594.74	2,997.30	2,684.91	312.39	9.595		
14,800.00	7,250.13	13,480.77	7,262.00	222.69	171.24	-90.37	-3,037.15	-4,594.74	3,058.16	2,749.55	308.60	9.910		
14,900.00	7,250.32	13,480.77	7,262.00	225.51	171.24	-90.37	-3,037.15	-4,594.74	3,121.03	2,816.24	304.80	10.240		
15,000.00	7,250.51	13,480.77	7,262.00	228.34	171.24	-90.37	-3,037.15	-4,594.74	3,185.81	2,884.82	300.99	10.585		
15,100.00	7,250.69	13,480.77	7,262.00	231.16	171.24	-90.37	-3,037.15	-4,594.74	3,252.37	2,955.18	297.19	10.944		
15,200.00	7,250.88	13,480.77	7,262.00	233.99	171.24	-90.37	-3,037.15	-4,594.74	3,320.60	3,027.18	293.42	11.317		
15,300.00	7,251.07	13,480.77	7,262.00	236.82	171.24	-90.37	-3,037.15	-4,594.74	3,390.42	3,100.72	289.69	11.703		
15,400.00	7,251.25	13,480.77	7,262.00	239.65	171.24	-90.37	-3,037.15	-4,594.74	3,461.71	3,175.69	286.02	12.103		
15,500.00	7,251.44	13,480.77	7,262.00	242.47	171.24	-90.37	-3,037.15	-4,594.74	3,534.40	3,251.99	282.40	12.515		
15,600.00	7,251.62	13,480.77	7,262.00	245.30	171.24	-90.37	-3,037.15	-4,594.74	3,608.39	3,329.54	278.85	12.940		
15,700.00	7,251.81	13,480.77	7,262.00	248.13	171.24	-90.37	-3,037.15	-4,594.74	3,683.61	3,408.24	275.37	13.377		
15,800.00	7,252.00	13,480.77	7,262.00	250.97	171.24	-90.37	-3,037.15	-4,594.74	3,759.99	3,488.02	271.97	13.825		
15,900.00	7,252.18	13,480.77	7,262.00	253.80	171.24	-90.37	-3,037.15	-4,594.74	3,837.45	3,568.80	268.65	14.284		
16,000.00	7,252.37	13,480.77	7,262.00	256.63	171.24	-90.37	-3,037.15	-4,594.74	3,915.94	3,650.53	265.41	14.754		
16,100.00	7,252.56	13,480.77	7,262.00	259.46	171.24	-90.37	-3,037.15	-4,594.74	3,995.38	3,733.13	262.25	15.235		
16,200.00	7,252.74	13,480.77	7,262.00	262.30	171.24	-90.37	-3,037.15	-4,594.74	4,075.73	3,816.55	259.18	15.726		
16,300.00	7,252.93	13,480.77	7,262.00	265.13	171.24	-90.37	-3,037.15	-4,594.74	4,156.94	3,900.75	256.19	16.226		
16,400.00	7,253.11	13,480.77	7,262.00	267.96	171.24	-90.37	-3,037.15	-4,594.74	4,238.94	3,985.66	253.28	16.736		
16,500.00	7,253.30	13,480.77	7,262.00	270.80	171.24	-90.37	-3,037.15	-4,594.74	4,321.71	4,071.25	250.46	17.255		
16,600.00	7,253.49	13,480.77	7,262.00	273.64	171.24	-90.37	-3,037.15	-4,594.74	4,405.19	4,157.47	247.72	17.783		
16,700.00	7,253.67	13,480.77	7,262.00	276.47	171.24	-90.37	-3,037.15	-4,594.74	4,489.34	4,244.28	245.06	18.319		
16,800.00	7,253.86	13,480.77	7,262.00	279.31	171.24	-90.37	-3,037.15	-4,594.74	4,574.14	4,331.65	242.48	18.864		
16,900.00	7,254.05	13,480.77	7,262.00	282.15	171.24	-90.37	-3,037.15	-4,594.74	4,659.53	4,419.55	239.98	19.416		
17,000.00	7,254.23	13,480.77	7,262.00	284.98	171.24	-90.37	-3,037.15	-4,594.74	4,745.50	4,507.94	237.56	19.976		
17,100.00	7,254.42	13,480.77	7,262.00	287.82	171.24	-90.37	-3,037.15	-4,594.74	4,832.01	4,596.80	235.20	20.544		
17,200.00	7,254.61	13,480.77	7,262.00	290.66	171.24	-90.37	-3,037.15	-4,594.74	4,919.02	4,686.10	232.92	21.118		
17,300.00	7,254.79	13,480.77	7,262.00	293.50	171.24	-90.37	-3,037.15	-4,594.74	5,006.53	4,775.81	230.72	21.700		
17,400.00	7,254.98	13,480.77	7,262.00	296.34	171.24	-90.37	-3,037.15	-4,594.74	5,094.49	4,865.92	228.58	22.288		
17,500.00	7,255.16	13,480.77	7,262.00	299.18	171.24	-90.37	-3,037.15	-4,594.74	5,182.89	4,956.39	226.50	22.882		
17,600.00	7,255.35	13,480.77	7,262.00	302.02	171.24	-90.37	-3,037.15	-4,594.74	5,271.71	5,047.21	224.49	23.483		
17,700.00	7,255.54	13,480.77	7,262.00	304.86	171.24	-90.37	-3,037.15	-4,594.74	5,360.91	5,138.37	222.54	24.089		
17,800.00	7,255.72	13,480.77	7,262.00	307.70	171.24	-90.37	-3,037.15	-4,594.74	5,450.50	5,229.84	220.66	24.701		
17,900.00	7,255.91	13,480.77	7,262.00	310.54	171.24	-90.37	-3,037.15	-4,594.74	5,540.44	5,321.61	218.83	25.319		
18,000.00	7,256.10	13,480.77	7,262.00	313.39	171.24	-90.37	-3,037.15	-4,594.74	5,630.72	5,413.66	217.05	25.942		
18,100.00	7,256.28	13,480.77	7,262.00	316.23	171.24	-90.37	-3,037.15	-4,594.74	5,721.32	5,505.98	215.34	26.569		
18,200.00	7,256.47	13,480.77	7,262.00	319.07	171.24	-90.37	-3,037.15	-4,594.74	5,812.23	5,598.56	213.67	27.202		
18,300.00	7,256.65	13,480.77	7,262.00	321.91	171.24	-90.37	-3,037.15	-4,594.74	5,903.43	5,691.38	212.06	27.839		
18,400.00	7,256.84	13,480.77	7,262.00	324.76	171.24	-90.37	-3,037.15	-4,594.74	5,994.92	5,784.43	210.49	28.481		
18,500.00	7,257.03	13,480.77	7,262.00	327.60	171.24	-90.37	-3,037.15	-4,594.74	6,086.67	5,877.70	208.97	29.127		
18,600.00	7,257.21	13,480.77	7,262.00	330.44	171.24	-90.37	-3,037.15	-4,594.74	6,178.68	5,971.18	207.50	29.777		
18,700.00	7,257.40	13,480.77	7,262.00	333.29	171.24	-90.37	-3,037.15	-4,594.74	6,270.93	6,064.86	206.07	30.431		
18,800.00	7,257.59	13,480.77	7,262.00	336.13	171.24	-90.37	-3,037.15	-4,594.74	6,363.42	6,158.73	204.69	31.088		
18,900.00	7,257.77	13,480.77	7,262.00	338.98	171.24	-90.37	-3,037.15	-4,594.74	6,456.13	6,252.79	203.34	31.750		
19,000.00	7,257.96	13,480.77	7,262.00	341.82	171.24	-90.37	-3,037.15	-4,594.74	6,549.06	6,347.02	202.04	32.415		
19,022.43	7,258.00	13,480.77	7,262.00	342.46	171.24	-90.37	-3,037.15	-4,594.74	6,569.93	6,368.18	201.75	32.564		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.58	-150.09	-1.11	150.10					
100.00	100.00	100.00	100.00	3.28	3.28	-179.58	-150.09	-1.11	150.10	143.53	6.57	22.848		
200.00	200.00	200.00	200.00	3.34	3.34	-179.58	-150.09	-1.11	150.10	143.42	6.67	22.490		
300.00	300.00	300.00	300.00	3.44	3.44	-179.58	-150.09	-1.11	150.10	143.21	6.89	21.786 CC, ES		
400.00	399.98	395.53	395.51	3.60	3.59	64.71	-151.52	-0.40	150.83	143.64	7.19	20.969		
500.00	499.84	490.99	490.85	3.79	3.77	65.54	-155.79	1.73	153.06	145.48	7.58	20.188		
600.00	599.45	586.32	585.85	4.03	3.99	66.87	-162.89	5.27	156.85	148.80	8.05	19.478		
700.00	698.70	681.47	680.34	4.30	4.24	68.62	-172.79	10.21	162.29	153.70	8.59	18.889		
800.00	797.47	776.36	774.17	4.61	4.52	70.69	-185.45	16.52	169.51	160.32	9.19	18.445		
900.00	895.62	870.95	867.17	4.96	4.83	72.96	-200.84	24.20	178.62	168.77	9.84	18.150		
939.50	934.20	908.21	903.65	5.10	4.96	73.89	-207.65	27.60	182.76	172.65	10.11	18.078		
1,000.00	993.20	965.19	959.23	5.33	5.18	75.29	-218.89	33.20	189.87	179.34	10.54	18.022		
1,100.00	1,090.72	1,059.08	1,050.23	5.73	5.55	76.93	-239.56	43.51	203.86	192.58	11.28	18.074		
1,200.00	1,188.24	1,152.45	1,139.92	6.15	5.95	77.82	-262.75	55.08	220.40	208.35	12.05	18.289		
1,300.00	1,285.76	1,245.09	1,228.04	6.59	6.37	78.10	-288.33	67.84	239.36	226.51	12.85	18.632		
1,400.00	1,383.28	1,336.82	1,314.33	7.04	6.83	77.88	-316.16	81.72	260.67	247.01	13.66	19.084		
1,500.00	1,480.80	1,427.47	1,398.59	7.50	7.31	77.30	-346.08	96.65	284.32	269.83	14.48	19.632		
1,600.00	1,578.31	1,516.89	1,480.62	7.96	7.81	76.46	-377.91	112.52	310.31	295.00	15.31	20.269		
1,700.00	1,675.83	1,604.92	1,560.26	8.44	8.33	75.45	-411.48	129.27	338.66	322.53	16.13	20.992		
1,800.00	1,773.35	1,700.64	1,644.95	8.92	8.94	74.35	-448.87	147.92	368.48	351.43	17.05	21.607		
1,900.00	1,870.87	1,805.42	1,730.34	9.40	9.62	73.40	-486.58	166.73	398.42	380.37	18.05	22.077		
2,000.00	1,968.39	1,889.80	1,815.72	9.89	10.18	72.59	-524.30	185.54	428.44	409.50	18.94	22.619		
2,100.00	2,065.91	1,985.02	1,901.11	10.39	10.82	71.88	-562.01	204.35	458.53	438.63	19.91	23.032		
2,200.00	2,163.43	2,080.24	1,986.50	10.88	11.47	71.26	-599.72	223.16	488.68	467.80	20.89	23.398		
2,300.00	2,260.95	2,175.46	2,071.88	11.38	12.13	70.71	-637.44	241.97	518.88	497.00	21.87	23.723		
2,400.00	2,358.46	2,270.68	2,157.27	11.89	12.80	70.22	-675.15	260.79	549.11	526.24	22.87	24.014		
2,500.00	2,455.98	2,365.91	2,242.66	12.39	13.47	69.78	-712.87	279.60	579.37	555.51	23.87	24.275		
2,600.00	2,553.50	2,461.13	2,328.04	12.89	14.15	69.39	-750.58	298.41	609.67	584.79	24.87	24.510		
2,700.00	2,651.02	2,556.35	2,413.43	13.40	14.83	69.03	-788.29	317.22	639.98	614.10	25.89	24.722		
2,800.00	2,748.54	2,651.57	2,498.82	13.91	15.52	68.71	-826.01	336.03	670.32	643.42	26.90	24.915		
2,900.00	2,846.06	2,746.79	2,584.20	14.42	16.20	68.41	-863.72	354.84	700.68	672.75	27.93	25.090		
3,000.00	2,943.58	2,842.01	2,669.59	14.93	16.90	68.14	-901.44	373.66	731.05	702.10	28.95	25.251		
3,100.00	3,041.10	2,937.23	2,754.98	15.45	17.59	67.89	-939.15	392.47	761.43	731.45	29.98	25.397		
3,200.00	3,138.61	3,032.46	2,840.36	15.96	18.29	67.66	-976.86	411.28	791.83	760.82	31.01	25.532		
3,300.00	3,236.13	3,127.68	2,925.75	16.47	18.98	67.44	-1,014.58	430.09	822.24	790.19	32.05	25.657		
3,400.00	3,333.65	3,222.90	3,011.14	16.99	19.68	67.24	-1,052.29	448.90	852.65	819.57	33.09	25.771		
3,500.00	3,431.17	3,318.12	3,096.52	17.50	20.38	67.06	-1,090.00	467.71	883.08	848.96	34.12	25.878		
3,600.00	3,528.69	3,413.34	3,181.91	18.02	21.09	66.88	-1,127.72	486.53	913.51	878.35	35.17	25.977		
3,700.00	3,626.21	3,508.56	3,267.30	18.54	21.79	66.72	-1,165.43	505.34	943.96	907.74	36.21	26.068		
3,800.00	3,723.73	3,603.78	3,352.68	19.06	22.50	66.57	-1,203.15	524.15	974.40	937.15	37.26	26.154		
3,900.00	3,821.25	3,699.01	3,438.07	19.57	23.20	66.43	-1,240.86	542.96	1,004.86	966.55	38.30	26.234		
4,000.00	3,918.77	3,794.23	3,523.46	20.09	23.91	66.29	-1,278.57	561.77	1,035.31	995.96	39.35	26.309		
4,100.00	4,016.28	3,889.45	3,608.84	20.61	24.62	66.17	-1,316.29	580.58	1,065.78	1,025.37	40.40	26.379		
4,200.00	4,113.80	3,984.67	3,694.23	21.13	25.33	66.05	-1,354.00	599.40	1,096.25	1,054.79	41.45	26.445		
4,300.00	4,211.32	4,079.89	3,779.62	21.65	26.03	65.94	-1,391.72	618.21	1,126.72	1,084.21	42.51	26.507		
4,400.00	4,308.84	4,175.11	3,865.01	22.17	26.74	65.83	-1,429.43	637.02	1,157.19	1,113.63	43.56	26.565		
4,500.00	4,406.36	4,270.33	3,950.39	22.69	27.46	65.73	-1,467.14	655.83	1,187.67	1,143.06	44.62	26.620		
4,600.00	4,503.88	4,365.56	4,035.78	23.21	28.17	65.63	-1,504.86	674.64	1,218.15	1,172.48	45.67	26.672		
4,700.00	4,601.40	4,460.78	4,121.17	23.73	28.88	65.54	-1,542.57	693.45	1,248.64	1,201.91	46.73	26.721		
4,800.00	4,698.92	4,556.00	4,206.55	24.26	29.59	65.45	-1,580.29	712.27	1,279.13	1,231.34	47.79	26.768		
4,900.00	4,796.43	4,651.22	4,291.94	24.78	30.30	65.37	-1,618.00	731.08	1,309.62	1,260.77	48.84	26.812		
5,000.00	4,893.95	4,746.44	4,377.33	25.30	31.02	65.29	-1,655.71	749.89	1,340.11	1,290.21	49.90	26.854		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,841.66	4,462.71	25.82	31.73	65.21	-1,693.43	768.70	1,370.61	1,319.64	50.96	26.894		
5,200.00	5,088.99	4,936.88	4,548.10	26.34	32.44	65.14	-1,731.14	787.51	1,401.10	1,349.08	52.02	26.932		
5,300.00	5,186.51	5,032.10	4,633.49	26.87	33.16	65.07	-1,768.85	806.32	1,431.60	1,378.52	53.08	26.968		
5,400.00	5,284.03	5,127.33	4,718.87	27.39	33.87	65.00	-1,806.57	825.14	1,462.10	1,407.96	54.15	27.003		
5,500.00	5,381.55	5,222.55	4,804.26	27.91	34.59	64.94	-1,844.28	843.95	1,492.61	1,437.40	55.21	27.036		
5,600.00	5,479.07	5,317.77	4,889.65	28.43	35.30	64.88	-1,882.00	862.76	1,523.11	1,466.84	56.27	27.067		
5,700.00	5,576.58	5,412.99	4,975.03	28.96	36.02	64.82	-1,919.71	881.57	1,553.62	1,496.28	57.34	27.097		
5,800.00	5,674.10	5,508.21	5,060.42	29.48	36.73	64.76	-1,957.42	900.38	1,584.12	1,525.72	58.40	27.126		
5,900.00	5,771.62	5,603.43	5,145.81	30.00	37.45	64.71	-1,995.14	919.19	1,614.63	1,555.17	59.46	27.153		
6,000.00	5,869.14	5,701.35	5,231.19	30.53	38.19	64.66	-2,032.85	938.01	1,645.14	1,584.60	60.55	27.172		
6,100.00	5,966.66	5,806.12	5,316.58	31.05	38.98	64.61	-2,070.57	956.82	1,675.65	1,613.98	61.67	27.172		
6,200.00	6,064.18	5,889.10	5,401.97	31.58	39.60	64.56	-2,108.28	975.63	1,706.17	1,643.51	62.66	27.229		
6,300.00	6,161.70	5,984.32	5,487.35	32.10	40.32	64.51	-2,145.99	994.44	1,736.68	1,672.95	63.73	27.252		
6,400.00	6,259.22	6,079.54	5,572.74	32.62	41.03	64.46	-2,183.71	1,013.25	1,767.19	1,702.40	64.79	27.275		
6,500.00	6,356.74	6,174.76	5,658.13	33.15	41.75	64.42	-2,221.42	1,032.06	1,797.71	1,731.85	65.86	27.296		
6,600.00	6,454.25	6,269.98	5,743.51	33.67	42.47	64.38	-2,259.13	1,050.88	1,828.23	1,761.30	66.93	27.317		
6,623.48	6,477.15	6,292.34	5,763.56	33.80	42.64	64.37	-2,267.99	1,055.29	1,835.39	1,768.21	67.18	27.322		
6,650.00	6,503.12	6,317.58	5,786.20	33.93	42.83	59.51	-2,277.99	1,060.28	1,843.48	1,776.02	67.45	27.330		
6,700.00	6,552.50	6,364.99	5,828.70	34.16	43.18	41.90	-2,296.76	1,069.64	1,858.64	1,790.70	67.94	27.358		
6,750.00	6,602.21	6,411.90	5,870.78	34.36	43.54	5.01	-2,315.34	1,078.91	1,873.65	1,805.28	68.37	27.405		
6,800.00	6,651.92	6,458.05	5,912.16	34.54	43.89	-32.90	-2,333.62	1,088.03	1,888.47	1,819.72	68.76	27.465		
6,850.00	6,701.33	6,503.13	5,952.58	34.70	44.23	-51.66	-2,351.48	1,096.94	1,903.08	1,833.97	69.11	27.535		
6,900.00	6,750.14	6,546.88	5,991.81	34.86	44.56	-60.35	-2,368.80	1,105.58	1,917.48	1,848.03	69.45	27.611		
6,950.00	6,798.04	6,589.02	6,029.60	35.02	44.87	-64.92	-2,385.50	1,113.90	1,931.68	1,861.92	69.76	27.691		
7,000.00	6,844.75	6,629.30	6,065.72	35.19	45.18	-67.58	-2,401.45	1,121.86	1,945.71	1,875.66	70.05	27.774		
7,050.00	6,889.97	6,667.46	6,099.94	35.37	45.47	-69.21	-2,416.56	1,129.40	1,959.62	1,889.28	70.34	27.861		
7,100.00	6,933.42	6,703.27	6,132.05	35.57	45.74	-70.24	-2,430.74	1,136.47	1,973.45	1,902.85	70.60	27.951		
7,150.00	6,974.83	6,736.51	6,161.86	35.79	45.99	-70.85	-2,443.91	1,143.04	1,987.25	1,916.39	70.86	28.043		
7,200.00	7,013.96	6,766.97	6,189.17	36.02	46.22	-71.18	-2,455.97	1,149.06	2,001.08	1,929.96	71.12	28.136		
7,250.00	7,050.56	6,805.53	6,213.83	36.28	46.51	-71.27	-2,466.87	1,154.49	2,014.97	1,943.53	71.44	28.205		
7,300.00	7,084.39	6,818.84	6,235.68	36.57	46.61	-71.15	-2,476.52	1,159.31	2,028.97	1,957.33	71.63	28.325		
7,350.00	7,115.27	6,839.92	6,254.59	36.89	46.77	-70.85	-2,484.87	1,163.47	2,043.09	1,971.20	71.89	28.418		
7,400.00	7,142.99	6,857.59	6,270.43	37.25	46.90	-70.38	-2,491.87	1,166.96	2,057.36	1,985.20	72.16	28.509		
7,450.00	7,167.38	6,871.74	6,283.12	37.65	47.01	-69.74	-2,497.47	1,169.76	2,071.78	1,999.33	72.45	28.597		
7,500.00	7,188.30	6,882.28	6,292.57	38.08	47.09	-68.93	-2,501.64	1,171.84	2,086.32	2,013.58	72.74	28.681		
7,550.00	7,205.61	6,889.14	6,298.72	38.55	47.14	-67.97	-2,504.36	1,173.19	2,100.95	2,027.90	73.05	28.761		
7,600.00	7,219.20	6,892.29	6,301.54	39.06	47.16	-66.87	-2,505.61	1,173.82	2,115.61	2,042.24	73.37	28.836		
7,650.00	7,229.00	6,891.70	6,301.02	39.61	47.16	-65.64	-2,505.37	1,173.70	2,130.23	2,056.54	73.69	28.907		
7,700.00	7,234.95	6,887.37	6,297.14	40.18	47.12	-64.28	-2,503.66	1,172.85	2,144.72	2,070.69	74.02	28.973		
7,750.07	7,237.00	6,879.33	6,289.93	40.78	47.06	-62.83	-2,500.48	1,171.26	2,158.99	2,084.63	74.36	29.036		
7,800.00	7,237.09	6,869.47	6,281.09	41.41	46.99	-62.56	-2,496.57	1,169.31	2,173.56	2,098.86	74.70	29.097		
7,900.00	7,237.28	8,246.85	7,070.80	42.79	52.26	-85.64	-2,840.51	414.70	2,192.24	2,102.38	89.86	24.397		
8,000.00	7,237.47	8,346.85	7,071.32	44.31	53.03	-85.65	-2,840.22	314.70	2,192.31	2,099.42	92.89	23.601		
8,100.00	7,237.65	8,446.85	7,071.84	45.97	53.95	-85.66	-2,839.93	214.70	2,192.39	2,096.22	96.17	22.797		
8,200.00	7,237.84	8,546.85	7,072.36	47.75	55.04	-85.67	-2,839.64	114.70	2,192.46	2,092.79	99.66	21.998		
8,300.00	7,238.02	8,646.85	7,072.89	49.63	56.31	-85.68	-2,839.34	14.71	2,192.53	2,089.17	103.36	21.213		
8,400.00	7,238.21	8,746.85	7,073.41	51.61	57.74	-85.69	-2,839.05	-85.29	2,192.60	2,085.37	107.23	20.448		
8,500.00	7,238.40	8,846.85	7,073.93	53.66	59.32	-85.70	-2,838.76	-185.29	2,192.68	2,081.42	111.26	19.708		
8,600.00	7,238.58	8,946.85	7,074.46	55.79	61.03	-85.71	-2,838.46	-285.29	2,192.75	2,077.32	115.43	18.997		
8,700.00	7,238.77	9,046.85	7,074.98	57.99	62.87	-85.72	-2,838.17	-385.28	2,192.82	2,073.10	119.72	18.316		
8,800.00	7,238.96	9,146.84	7,075.50	60.24	64.81	-85.73	-2,837.88	-485.28	2,192.89	2,068.76	124.13	17.666		
8,900.00	7,239.14	9,246.84	7,076.03	62.54	66.84	-85.73	-2,837.59	-585.28	2,192.97	2,064.32	128.64	17.047		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,346.84	7,076.55	64.88	68.95	-85.74	-2,837.29	-685.28	2,193.04	2,059.79	133.25	16.458		
9,100.00	7,239.52	9,446.84	7,077.07	67.27	71.13	-85.75	-2,837.00	-785.27	2,193.11	2,055.18	137.93	15.900		
9,200.00	7,239.70	9,546.84	7,077.60	69.69	73.36	-85.76	-2,836.71	-885.27	2,193.18	2,050.49	142.69	15.370		
9,300.00	7,239.89	9,646.84	7,078.12	72.15	75.65	-85.77	-2,836.42	-985.27	2,193.26	2,045.74	147.52	14.867		
9,400.00	7,240.07	9,746.84	7,078.64	74.63	77.98	-85.78	-2,836.12	-1,085.27	2,193.33	2,040.92	152.41	14.391		
9,500.00	7,240.26	9,846.84	7,079.16	77.14	80.36	-85.79	-2,835.83	-1,185.27	2,193.40	2,036.05	157.35	13.939		
9,600.00	7,240.45	9,946.84	7,079.69	79.68	82.77	-85.80	-2,835.54	-1,285.26	2,193.48	2,031.13	162.35	13.511		
9,700.00	7,240.63	10,046.84	7,080.21	82.23	85.21	-85.81	-2,835.24	-1,385.26	2,193.55	2,026.16	167.38	13.105		
9,800.00	7,240.82	10,146.84	7,080.73	84.81	87.69	-85.82	-2,834.95	-1,485.26	2,193.62	2,021.16	172.47	12.719		
9,900.00	7,241.01	10,246.84	7,081.26	87.40	90.19	-85.82	-2,834.66	-1,585.26	2,193.69	2,016.11	177.58	12.353		
10,000.00	7,241.19	10,346.84	7,081.78	90.01	92.71	-85.83	-2,834.37	-1,685.25	2,193.77	2,011.03	182.74	12.005		
10,100.00	7,241.38	10,446.84	7,082.30	92.64	95.25	-85.84	-2,834.07	-1,785.25	2,193.84	2,005.92	187.92	11.674		
10,200.00	7,241.56	10,546.84	7,082.83	95.28	97.81	-85.85	-2,833.78	-1,885.25	2,193.91	2,000.77	193.14	11.359		
10,300.00	7,241.75	10,646.84	7,083.35	97.93	100.39	-85.86	-2,833.49	-1,985.25	2,193.99	1,995.61	198.38	11.059		
10,400.00	7,241.94	10,746.83	7,083.87	100.59	102.99	-85.87	-2,833.20	-2,085.24	2,194.06	1,990.41	203.65	10.774		
10,500.00	7,242.12	10,846.83	7,084.40	103.26	105.60	-85.88	-2,832.90	-2,185.24	2,194.13	1,985.19	208.94	10.501		
10,600.00	7,242.31	10,946.83	7,084.92	105.95	108.23	-85.89	-2,832.61	-2,285.24	2,194.21	1,979.95	214.25	10.241		
10,700.00	7,242.50	11,046.83	7,085.44	108.64	110.87	-85.90	-2,832.32	-2,385.24	2,194.28	1,974.70	219.59	9.993		
10,800.00	7,242.68	11,146.83	7,085.96	111.34	113.51	-85.90	-2,832.02	-2,485.23	2,194.35	1,969.42	224.94	9.755		
10,900.00	7,242.87	11,246.83	7,086.49	114.05	116.17	-85.91	-2,831.73	-2,585.23	2,194.43	1,964.12	230.30	9.528		
11,000.00	7,243.05	11,346.83	7,087.01	116.76	118.84	-85.92	-2,831.44	-2,685.23	2,194.50	1,958.81	235.69	9.311		
11,100.00	7,243.24	11,446.83	7,087.53	119.49	121.52	-85.93	-2,831.15	-2,785.23	2,194.58	1,953.49	241.09	9.103		
11,200.00	7,243.43	11,546.83	7,088.06	122.22	124.21	-85.94	-2,830.85	-2,885.22	2,194.65	1,948.15	246.50	8.903		
11,300.00	7,243.61	11,646.83	7,088.58	124.95	126.91	-85.95	-2,830.56	-2,985.22	2,194.72	1,942.80	251.93	8.712		
11,400.00	7,243.80	11,746.83	7,089.10	127.69	129.61	-85.96	-2,830.27	-3,085.22	2,194.80	1,937.43	257.37	8.528		
11,500.00	7,243.99	11,846.83	7,089.63	130.44	132.32	-85.97	-2,829.98	-3,185.22	2,194.87	1,932.05	262.82	8.351		
11,600.00	7,244.17	11,946.83	7,090.15	133.19	135.04	-85.98	-2,829.68	-3,285.21	2,194.95	1,926.67	268.28	8.182		
11,700.00	7,244.36	12,046.83	7,090.67	135.94	137.76	-85.99	-2,829.39	-3,385.21	2,195.02	1,921.27	273.75	8.018		
11,800.00	7,244.55	12,146.83	7,091.20	138.70	140.49	-85.99	-2,829.10	-3,485.21	2,195.09	1,915.86	279.23	7.861		
11,900.00	7,244.73	12,246.83	7,091.72	141.47	143.22	-86.00	-2,828.80	-3,585.21	2,195.17	1,910.45	284.72	7.710		
12,000.00	7,244.92	12,346.83	7,092.24	144.24	145.96	-86.01	-2,828.51	-3,685.20	2,195.24	1,905.02	290.22	7.564		
12,100.00	7,245.10	12,446.82	7,092.76	147.01	148.71	-86.02	-2,828.22	-3,785.20	2,195.32	1,899.59	295.73	7.423		
12,200.00	7,245.29	12,546.82	7,093.29	149.78	151.46	-86.03	-2,827.93	-3,885.20	2,195.39	1,894.15	301.24	7.288		
12,300.00	7,245.48	12,646.82	7,093.81	152.56	154.21	-86.04	-2,827.63	-3,985.20	2,195.47	1,888.70	306.76	7.157		
12,400.00	7,245.66	12,746.82	7,094.33	155.34	156.96	-86.05	-2,827.34	-4,085.20	2,195.54	1,883.25	312.29	7.030		
12,500.00	7,245.85	12,846.82	7,094.86	158.12	159.73	-86.06	-2,827.05	-4,185.19	2,195.61	1,877.79	317.83	6.908		
12,600.00	7,246.04	12,946.82	7,095.38	160.91	162.49	-86.07	-2,826.76	-4,285.19	2,195.69	1,872.32	323.37	6.790		
12,700.00	7,246.22	13,046.82	7,095.90	163.70	165.26	-86.07	-2,826.46	-4,385.19	2,195.76	1,866.85	328.92	6.676		
12,800.00	7,246.41	13,146.82	7,096.43	166.49	168.03	-86.08	-2,826.17	-4,485.19	2,195.84	1,861.37	334.47	6.565		
12,900.00	7,246.59	13,246.82	7,096.95	169.28	170.80	-86.09	-2,825.88	-4,585.18	2,195.91	1,855.89	340.03	6.458		
13,000.00	7,246.78	13,346.82	7,097.47	172.08	173.57	-86.09	-2,825.58	-4,685.18	2,195.98	1,850.41	345.59	6.351		
13,100.00	7,246.97	13,446.82	7,097.99	174.88	176.34	-86.09	-2,825.28	-4,785.18	2,200.05	1,844.93	351.15	6.244		
13,200.00	7,247.15	13,546.82	7,098.51	177.68	179.11	-86.09	-2,824.98	-4,885.18	2,200.12	1,839.45	356.71	6.137		
13,300.00	7,247.34	13,646.82	7,099.03	180.48	181.88	-86.09	-2,824.68	-4,985.18	2,200.19	1,833.97	362.27	6.030		
13,400.00	7,247.53	13,746.82	7,099.55	183.28	184.65	-86.09	-2,824.38	-5,085.18	2,200.26	1,828.49	367.83	5.923		
13,500.00	7,247.71	13,846.82	7,100.07	186.09	187.42	-86.09	-2,824.08	-5,185.18	2,200.33	1,823.01	373.39	5.816		
13,600.00	7,247.90	13,946.82	7,100.59	188.90	190.19	-86.09	-2,823.78	-5,285.18	2,200.40	1,817.53	378.95	5.709		
13,700.00	7,248.08	14,046.82	7,101.11	191.70	192.96	-86.09	-2,823.48	-5,385.18	2,200.47	1,812.05	384.51	5.602		
13,800.00	7,248.27	14,146.82	7,101.63	194.52	195.73	-86.09	-2,823.18	-5,485.18	2,200.54	1,806.57	390.07	5.495		
13,900.00	7,248.46	14,246.82	7,102.15	197.33	198.50	-86.09	-2,822.88	-5,585.18	2,200.61	1,801.09	395.63	5.388		
14,000.00	7,248.64	14,346.82	7,102.67	200.14	201.27	-86.09	-2,822.58	-5,685.18	2,200.68	1,795.61	401.19	5.281		
14,100.00	7,248.83	14,446.82	7,103.19	202.95	204.04	-86.09	-2,822.28	-5,785.18	2,200.75	1,790.13	406.75	5.174		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	13,256.62	7,097.00	205.77	171.07	-86.09	-2,825.85	-4,594.98	2,547.73	2,224.29	323.44	7.877		
14,300.00	7,249.20	13,256.62	7,097.00	208.59	171.07	-86.09	-2,825.85	-4,594.98	2,599.86	2,280.39	319.47	8.138		
14,400.00	7,249.39	13,256.62	7,097.00	211.41	171.07	-86.09	-2,825.85	-4,594.98	2,654.74	2,339.38	315.36	8.418		
14,500.00	7,249.58	13,256.62	7,097.00	214.23	171.07	-86.09	-2,825.85	-4,594.98	2,712.20	2,401.05	311.15	8.717		
14,600.00	7,249.76	13,256.62	7,097.00	217.05	171.07	-86.09	-2,825.85	-4,594.98	2,772.08	2,465.19	306.88	9.033		
14,700.00	7,249.95	13,256.62	7,097.00	219.87	171.07	-86.09	-2,825.85	-4,594.98	2,834.21	2,531.63	302.58	9.367		
14,800.00	7,250.13	13,256.62	7,097.00	222.69	171.07	-86.09	-2,825.85	-4,594.98	2,898.47	2,600.20	298.28	9.717		
14,900.00	7,250.32	13,256.62	7,097.00	225.51	171.07	-86.09	-2,825.85	-4,594.98	2,964.71	2,670.72	293.99	10.084		
15,000.00	7,250.51	13,256.62	7,097.00	228.34	171.07	-86.09	-2,825.85	-4,594.98	3,032.80	2,743.06	289.74	10.467		
15,100.00	7,250.69	13,256.62	7,097.00	231.16	171.07	-86.09	-2,825.85	-4,594.98	3,102.62	2,817.08	285.54	10.866		
15,200.00	7,250.88	13,256.62	7,097.00	233.99	171.07	-86.09	-2,825.85	-4,594.98	3,174.05	2,892.64	281.41	11.279		
15,300.00	7,251.07	13,256.62	7,097.00	236.82	171.07	-86.09	-2,825.85	-4,594.98	3,247.00	2,969.63	277.36	11.707		
15,400.00	7,251.25	13,256.62	7,097.00	239.65	171.07	-86.09	-2,825.85	-4,594.98	3,321.35	3,047.95	273.40	12.148		
15,500.00	7,251.44	13,256.62	7,097.00	242.47	171.07	-86.09	-2,825.85	-4,594.98	3,397.02	3,127.49	269.52	12.604		
15,600.00	7,251.62	13,256.62	7,097.00	245.30	171.07	-86.09	-2,825.85	-4,594.98	3,473.92	3,208.17	265.75	13.072		
15,700.00	7,251.81	13,256.62	7,097.00	248.13	171.07	-86.09	-2,825.85	-4,594.98	3,551.97	3,289.89	262.07	13.553		
15,800.00	7,252.00	13,256.62	7,097.00	250.97	171.07	-86.09	-2,825.85	-4,594.98	3,631.09	3,372.59	258.50	14.047		
15,900.00	7,252.18	13,256.62	7,097.00	253.80	171.07	-86.09	-2,825.85	-4,594.98	3,711.23	3,456.19	255.03	14.552		
16,000.00	7,252.37	13,256.62	7,097.00	256.63	171.07	-86.09	-2,825.85	-4,594.98	3,792.30	3,540.64	251.67	15.069		
16,100.00	7,252.56	13,256.62	7,097.00	259.46	171.07	-86.09	-2,825.85	-4,594.98	3,874.27	3,625.86	248.41	15.597		
16,200.00	7,252.74	13,256.62	7,097.00	262.30	171.07	-86.09	-2,825.85	-4,594.98	3,957.06	3,711.81	245.25	16.135		
16,300.00	7,252.93	13,256.62	7,097.00	265.13	171.07	-86.09	-2,825.85	-4,594.98	4,040.63	3,798.44	242.19	16.684		
16,400.00	7,253.11	13,256.62	7,097.00	267.96	171.07	-86.09	-2,825.85	-4,594.98	4,124.93	3,885.70	239.23	17.242		
16,500.00	7,253.30	13,256.62	7,097.00	270.80	171.07	-86.09	-2,825.85	-4,594.98	4,209.92	3,973.55	236.37	17.811		
16,600.00	7,253.49	13,256.62	7,097.00	273.64	171.07	-86.09	-2,825.85	-4,594.98	4,295.55	4,061.95	233.60	18.388		
16,700.00	7,253.67	13,256.62	7,097.00	276.47	171.07	-86.09	-2,825.85	-4,594.98	4,381.80	4,150.87	230.93	18.975		
16,800.00	7,253.86	13,256.62	7,097.00	279.31	171.07	-86.09	-2,825.85	-4,594.98	4,468.61	4,240.27	228.34	19.570		
16,900.00	7,254.05	13,256.62	7,097.00	282.15	171.07	-86.09	-2,825.85	-4,594.98	4,555.97	4,330.13	225.84	20.173		
17,000.00	7,254.23	13,256.62	7,097.00	284.98	171.07	-86.09	-2,825.85	-4,594.98	4,643.84	4,420.41	223.43	20.784		
17,100.00	7,254.42	13,256.62	7,097.00	287.82	171.07	-86.09	-2,825.85	-4,594.98	4,732.19	4,511.09	221.10	21.403		
17,200.00	7,254.61	13,256.62	7,097.00	290.66	171.07	-86.09	-2,825.85	-4,594.98	4,820.99	4,602.15	218.84	22.029		
17,300.00	7,254.79	13,256.62	7,097.00	293.50	171.07	-86.09	-2,825.85	-4,594.98	4,910.23	4,693.56	216.67	22.663		
17,400.00	7,254.98	13,256.62	7,097.00	296.34	171.07	-86.09	-2,825.85	-4,594.98	4,999.87	4,785.31	214.56	23.303		
17,500.00	7,255.16	13,256.62	7,097.00	299.18	171.07	-86.09	-2,825.85	-4,594.98	5,089.90	4,877.37	212.53	23.949		
17,600.00	7,255.35	13,256.62	7,097.00	302.02	171.07	-86.09	-2,825.85	-4,594.98	5,180.30	4,969.73	210.56	24.602		
17,700.00	7,255.54	13,256.62	7,097.00	304.86	171.07	-86.09	-2,825.85	-4,594.98	5,271.04	5,062.38	208.66	25.261		
17,800.00	7,255.72	13,256.62	7,097.00	307.70	171.07	-86.09	-2,825.85	-4,594.98	5,362.11	5,155.28	206.82	25.926		
17,900.00	7,255.91	13,256.62	7,097.00	310.54	171.07	-86.09	-2,825.85	-4,594.98	5,453.49	5,248.44	205.05	26.596		
18,000.00	7,256.10	13,256.62	7,097.00	313.39	171.07	-86.09	-2,825.85	-4,594.98	5,545.17	5,341.84	203.33	27.272		
18,100.00	7,256.28	13,256.62	7,097.00	316.23	171.07	-86.09	-2,825.85	-4,594.98	5,637.14	5,435.47	201.67	27.952		
18,200.00	7,256.47	13,256.62	7,097.00	319.07	171.07	-86.09	-2,825.85	-4,594.98	5,729.37	5,529.31	200.06	28.638		
18,300.00	7,256.65	13,256.62	7,097.00	321.91	171.07	-86.09	-2,825.85	-4,594.98	5,821.86	5,623.35	198.51	29.328		
18,400.00	7,256.84	13,256.62	7,097.00	324.76	171.07	-86.09	-2,825.85	-4,594.98	5,914.59	5,717.59	197.01	30.022		
18,500.00	7,257.03	13,256.62	7,097.00	327.60	171.07	-86.09	-2,825.85	-4,594.98	6,007.56	5,812.01	195.55	30.721		
18,600.00	7,257.21	13,256.62	7,097.00	330.44	171.07	-86.09	-2,825.85	-4,594.98	6,100.75	5,906.61	194.14	31.424		
18,700.00	7,257.40	13,256.62	7,097.00	333.29	171.07	-86.09	-2,825.85	-4,594.98	6,194.15	6,001.37	192.78	32.131		
18,800.00	7,257.59	13,256.62	7,097.00	336.13	171.07	-86.09	-2,825.85	-4,594.98	6,287.76	6,096.30	191.46	32.841		
18,900.00	7,257.77	13,256.62	7,097.00	338.98	171.07	-86.09	-2,825.85	-4,594.98	6,381.56	6,191.38	190.18	33.556		
19,000.00	7,257.96	13,256.62	7,097.00	341.82	171.07	-86.09	-2,825.85	-4,594.98	6,475.54	6,286.60	188.94	34.273		
19,022.43	7,258.00	13,256.62	7,097.00	342.46	171.07	-86.09	-2,825.85	-4,594.98	6,496.64	6,307.98	188.67	34.434		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	89.98	0.83	89.98					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	89.98	0.83	89.98	83.41	6.57	13.697		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	89.98	0.83	89.98	83.31	6.67	13.483 CC, ES		
300.00	300.00	298.65	298.63	3.44	3.44	1.50	90.68	2.38	90.72	83.84	6.89	13.170		
400.00	399.98	397.13	396.97	3.60	3.60	-112.60	92.78	7.01	93.76	86.55	7.20	13.018		
500.00	499.84	495.32	494.79	3.79	3.80	-110.93	96.27	14.68	99.81	92.21	7.61	13.124		
600.00	599.45	593.10	591.87	4.03	4.04	-109.56	101.12	25.35	108.85	100.76	8.09	13.451		
700.00	698.70	690.36	687.97	4.30	4.31	-108.52	107.30	38.95	120.80	112.15	8.65	13.964		
800.00	797.47	786.98	782.88	4.61	4.62	-107.77	114.77	55.39	135.62	126.35	9.27	14.626		
900.00	895.62	884.52	878.16	4.96	4.96	-107.46	123.40	74.37	152.92	142.98	9.95	15.376		
939.50	934.20	923.35	916.08	5.10	5.10	-107.63	126.87	82.01	160.09	149.86	10.23	15.653		
1,000.00	993.20	982.80	974.12	5.33	5.33	-108.19	132.18	93.70	171.21	160.54	10.67	16.044		
1,100.00	1,090.72	1,081.06	1,070.06	5.73	5.72	-108.97	140.97	113.03	189.62	178.18	11.44	16.578		
1,200.00	1,188.24	1,179.32	1,166.00	6.15	6.13	-109.61	149.75	132.36	208.06	195.82	12.24	16.999		
1,300.00	1,285.76	1,277.58	1,261.94	6.59	6.55	-110.15	158.54	151.70	226.52	213.44	13.07	17.331		
1,400.00	1,383.28	1,375.84	1,357.88	7.04	6.98	-110.61	167.33	171.03	244.99	231.07	13.92	17.595		
1,500.00	1,480.80	1,474.11	1,453.82	7.50	7.42	-111.00	176.11	190.36	263.48	248.68	14.80	17.807		
1,600.00	1,578.31	1,572.37	1,549.76	7.96	7.86	-111.34	184.90	209.69	281.97	266.29	15.69	17.977		
1,700.00	1,675.83	1,670.63	1,645.70	8.44	8.32	-111.64	193.68	229.02	300.48	283.89	16.59	18.115		
1,800.00	1,773.35	1,768.89	1,741.64	8.92	8.77	-111.90	202.47	248.35	318.99	301.49	17.50	18.227		
1,900.00	1,870.87	1,867.15	1,837.58	9.40	9.24	-112.14	211.25	267.68	337.51	319.09	18.42	18.319		
2,000.00	1,968.39	1,965.41	1,933.52	9.89	9.70	-112.35	220.04	287.02	356.03	336.68	19.36	18.395		
2,100.00	2,065.91	2,063.67	2,029.46	10.39	10.17	-112.54	228.82	306.35	374.56	354.27	20.29	18.457		
2,200.00	2,163.43	2,161.94	2,125.40	10.88	10.65	-112.71	237.61	325.68	393.09	371.86	21.24	18.509		
2,300.00	2,260.95	2,260.20	2,221.34	11.38	11.12	-112.87	246.39	345.01	411.63	389.44	22.19	18.552		
2,400.00	2,358.46	2,358.46	2,317.28	11.89	11.60	-113.01	255.18	364.34	430.16	407.02	23.14	18.588		
2,500.00	2,455.98	2,456.72	2,413.22	12.39	12.08	-113.14	263.97	383.67	448.70	424.60	24.10	18.618		
2,600.00	2,553.50	2,554.98	2,509.16	12.89	12.56	-113.26	272.75	403.00	467.25	442.18	25.06	18.643		
2,700.00	2,651.02	2,653.24	2,605.10	13.40	13.04	-113.38	281.54	422.34	485.79	459.76	26.03	18.664		
2,800.00	2,748.54	2,751.50	2,701.04	13.91	13.53	-113.48	290.32	441.67	504.33	477.34	27.00	18.682		
2,900.00	2,846.06	2,849.77	2,796.98	14.42	14.01	-113.58	299.11	461.00	522.88	494.91	27.97	18.696		
3,000.00	2,943.58	2,948.03	2,892.92	14.93	14.50	-113.66	307.89	480.33	541.43	512.49	28.94	18.708		
3,100.00	3,041.10	3,046.29	2,988.86	15.45	14.99	-113.75	316.68	499.66	559.98	530.06	29.92	18.719		
3,200.00	3,138.61	3,144.55	3,084.80	15.96	15.47	-113.83	325.46	518.99	578.53	547.64	30.89	18.727		
3,300.00	3,236.13	3,242.81	3,180.74	16.47	15.96	-113.90	334.25	538.33	597.08	565.21	31.87	18.734		
3,400.00	3,333.65	3,341.07	3,276.68	16.99	16.45	-113.97	343.03	557.66	615.63	582.78	32.85	18.740		
3,500.00	3,431.17	3,439.33	3,372.61	17.50	16.94	-114.03	351.82	576.99	634.19	600.35	33.83	18.744		
3,600.00	3,528.69	3,537.60	3,468.55	18.02	17.43	-114.10	360.61	596.32	652.74	617.92	34.82	18.748		
3,700.00	3,626.21	3,635.86	3,564.49	18.54	17.93	-114.15	369.39	615.65	671.29	635.49	35.80	18.751		
3,800.00	3,723.73	3,734.12	3,660.43	19.06	18.42	-114.21	378.18	634.98	689.85	653.06	36.79	18.753		
3,900.00	3,821.25	3,832.38	3,756.37	19.57	18.91	-114.26	386.96	654.31	708.40	670.63	37.77	18.754		
4,000.00	3,918.77	3,930.64	3,852.31	20.09	19.40	-114.31	395.75	673.65	726.96	688.20	38.76	18.755		
4,100.00	4,016.28	4,028.90	3,948.25	20.61	19.90	-114.36	404.53	692.98	745.52	705.77	39.75	18.756		
4,200.00	4,113.80	4,127.16	4,044.19	21.13	20.39	-114.40	413.32	712.31	764.07	723.34	40.74	18.756		
4,300.00	4,211.32	4,225.43	4,140.13	21.65	20.88	-114.44	422.10	731.64	782.63	740.90	41.73	18.756		
4,400.00	4,308.84	4,323.69	4,236.07	22.17	21.38	-114.48	430.89	750.97	801.19	758.47	42.72	18.755		
4,500.00	4,406.36	4,421.95	4,332.01	22.69	21.87	-114.52	439.67	770.30	819.75	776.04	43.71	18.754		
4,600.00	4,503.88	4,520.21	4,427.95	23.21	22.37	-114.56	448.46	789.63	838.31	793.60	44.70	18.754		
4,700.00	4,601.40	4,618.47	4,523.89	23.73	22.86	-114.59	457.24	808.97	856.86	811.17	45.69	18.752		
4,800.00	4,698.92	4,716.73	4,619.83	24.26	23.36	-114.63	466.03	828.30	875.42	828.74	46.69	18.751		
4,900.00	4,796.43	4,814.99	4,715.77	24.78	23.86	-114.66	474.82	847.63	893.98	846.30	47.68	18.750		
5,000.00	4,893.95	4,913.26	4,811.71	25.30	24.35	-114.69	483.60	866.96	912.54	863.87	48.67	18.748		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,011.52	4,907.65	25.82	24.85	-114.72	492.39	886.29	931.10	881.43	49.67	18.746		
5,200.00	5,088.99	5,109.78	5,003.59	26.34	25.34	-114.75	501.17	905.62	949.66	899.00	50.66	18.745		
5,300.00	5,186.51	5,208.04	5,099.53	26.87	25.84	-114.78	509.96	924.95	968.22	916.56	51.66	18.743		
5,400.00	5,284.03	5,306.30	5,195.47	27.39	26.34	-114.80	518.74	944.29	986.78	934.13	52.65	18.741		
5,500.00	5,381.55	5,404.56	5,291.41	27.91	26.84	-114.83	527.53	963.62	1,005.34	951.69	53.65	18.739		
5,600.00	5,479.07	5,502.82	5,387.35	28.43	27.33	-114.85	536.31	982.95	1,023.91	969.26	54.65	18.737		
5,700.00	5,576.58	5,601.09	5,483.29	28.96	27.83	-114.88	545.10	1,002.28	1,042.47	986.82	55.64	18.735		
5,800.00	5,674.10	5,700.65	5,579.23	29.48	28.33	-114.90	553.88	1,021.61	1,061.03	1,004.38	56.65	18.731		
5,900.00	5,771.62	5,802.39	5,675.17	30.00	28.85	-114.92	562.67	1,040.94	1,079.59	1,021.93	57.66	18.723		
6,000.00	5,869.14	5,904.13	5,771.11	30.53	29.36	-114.94	571.46	1,060.28	1,098.15	1,039.48	58.68	18.716		
6,100.00	5,966.66	5,994.13	5,867.05	31.05	29.82	-114.96	580.24	1,079.61	1,116.71	1,057.08	59.63	18.727		
6,200.00	6,064.18	6,092.39	5,962.99	31.58	30.32	-114.98	589.03	1,098.94	1,135.27	1,074.65	60.63	18.725		
6,300.00	6,161.70	6,190.65	6,058.93	32.10	30.82	-115.00	597.81	1,118.27	1,153.84	1,092.21	61.63	18.723		
6,400.00	6,259.22	6,288.91	6,154.86	32.62	31.31	-115.02	606.60	1,137.60	1,172.40	1,109.77	62.63	18.721		
6,500.00	6,356.74	6,387.18	6,250.80	33.15	31.81	-115.04	615.38	1,156.93	1,190.96	1,127.34	63.63	18.718		
6,600.00	6,454.25	6,485.44	6,346.74	33.67	32.31	-115.06	624.17	1,176.26	1,209.52	1,144.90	64.62	18.716		
6,623.48	6,477.15	6,508.51	6,369.27	33.80	32.43	-115.06	626.23	1,180.80	1,213.88	1,149.02	64.86	18.716		
6,650.00	6,503.12	6,534.56	6,394.71	33.93	32.56	-121.08	628.56	1,185.93	1,218.82	1,153.70	65.12	18.716		
6,700.00	6,552.50	6,583.52	6,442.50	34.16	32.81	-140.65	632.94	1,195.56	1,228.16	1,162.56	65.60	18.723		
6,750.00	6,602.21	6,631.99	6,489.83	34.36	33.05	-179.19	637.27	1,205.09	1,237.55	1,171.50	66.04	18.739		
6,800.00	6,651.92	6,680.29	6,537.35	34.54	33.28	141.46	641.62	1,212.52	1,246.97	1,180.52	66.46	18.764		
6,850.00	6,701.33	6,729.30	6,586.00	34.70	33.49	121.38	646.08	1,216.34	1,256.40	1,189.55	66.85	18.793		
6,900.00	6,750.14	6,779.08	6,635.56	34.86	33.69	111.49	650.63	1,216.36	1,265.78	1,198.53	67.25	18.823		
6,950.00	6,798.04	6,829.69	6,685.79	35.02	33.87	105.82	655.23	1,212.40	1,275.05	1,207.40	67.64	18.849		
7,000.00	6,844.75	6,881.18	6,736.40	35.19	34.06	102.15	659.88	1,204.27	1,284.14	1,216.08	68.06	18.868		
7,050.00	6,889.97	6,933.59	6,787.08	35.37	34.25	99.57	664.54	1,191.81	1,293.01	1,224.51	68.50	18.877		
7,100.00	6,933.42	6,986.97	6,837.47	35.57	34.45	97.65	669.17	1,174.86	1,301.58	1,232.61	68.97	18.872		
7,150.00	6,974.83	7,041.36	6,887.17	35.79	34.68	96.16	673.74	1,153.29	1,309.81	1,240.34	69.47	18.853		
7,200.00	7,013.96	7,096.79	6,935.75	36.02	34.92	94.97	678.21	1,127.01	1,317.63	1,247.61	70.02	18.818		
7,250.00	7,050.56	7,153.26	6,982.70	36.28	35.19	94.00	682.53	1,095.98	1,324.99	1,254.37	70.62	18.763		
7,300.00	7,084.39	7,210.76	7,027.52	36.57	35.49	93.21	686.66	1,060.21	1,331.83	1,260.55	71.27	18.686		
7,350.00	7,115.27	7,269.29	7,069.64	36.89	35.84	92.55	690.55	1,019.79	1,338.09	1,266.09	72.00	18.585		
7,400.00	7,142.99	7,328.79	7,108.48	37.25	36.22	92.00	694.14	974.90	1,343.72	1,270.92	72.80	18.459		
7,450.00	7,167.38	7,389.18	7,143.48	37.65	36.67	91.55	697.38	925.80	1,348.67	1,274.99	73.68	18.304		
7,500.00	7,188.30	7,450.40	7,174.05	38.08	37.17	91.18	700.21	872.88	1,352.90	1,278.24	74.66	18.121		
7,550.00	7,205.61	7,512.30	7,199.69	38.55	37.74	90.89	702.60	816.60	1,356.37	1,280.63	75.74	17.908		
7,600.00	7,219.20	7,574.77	7,219.91	39.06	38.37	90.66	704.49	757.56	1,359.05	1,282.13	76.92	17.669		
7,650.00	7,229.00	7,637.63	7,234.35	39.61	39.06	90.49	705.85	696.42	1,360.91	1,282.73	78.18	17.407		
7,700.00	7,234.95	7,700.72	7,242.74	40.18	39.80	90.38	706.66	633.92	1,361.94	1,282.42	79.52	17.127		
7,750.07	7,237.00	7,763.95	7,244.93	40.78	40.57	90.33	706.90	570.76	1,362.12	1,281.21	80.91	16.835		
7,800.00	7,237.09	7,811.67	7,245.10	41.41	41.20	90.34	706.94	523.03	1,361.97	1,279.77	82.20	16.568		
7,900.00	7,237.28	7,911.67	7,245.28	42.79	42.61	90.34	707.02	423.04	1,361.66	1,276.60	85.06	16.009		
8,000.00	7,237.47	8,011.67	7,245.45	44.31	44.16	90.34	707.10	323.04	1,361.35	1,273.16	88.19	15.437		
8,100.00	7,237.65	8,111.67	7,245.63	45.97	45.85	90.34	707.18	223.04	1,361.03	1,269.47	91.57	14.864		
8,200.00	7,237.84	8,211.67	7,245.81	47.75	47.64	90.34	707.25	123.04	1,360.72	1,265.55	95.17	14.297		
8,300.00	7,238.02	8,311.67	7,245.99	49.63	49.53	90.33	707.33	23.04	1,360.41	1,261.43	98.98	13.745		
8,400.00	7,238.21	8,411.67	7,246.16	51.61	51.52	90.33	707.41	-76.96	1,360.09	1,257.13	102.96	13.210		
8,500.00	7,238.40	8,511.67	7,246.34	53.66	53.58	90.33	707.49	-176.96	1,359.78	1,252.68	107.10	12.696		
8,600.00	7,238.58	8,611.67	7,246.52	55.79	55.72	90.33	707.56	-276.96	1,359.47	1,248.09	111.38	12.205		
8,700.00	7,238.77	8,711.67	7,246.69	57.99	57.92	90.33	707.64	-376.96	1,359.15	1,243.37	115.79	11.738		
8,800.00	7,238.96	8,811.67	7,246.87	60.24	60.17	90.33	707.72	-476.96	1,358.84	1,238.54	120.30	11.295		
8,900.00	7,239.14	8,911.67	7,247.05	62.54	62.48	90.33	707.80	-576.96	1,358.53	1,233.61	124.92	10.875		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,011.67	7,247.23	64.88	64.82	90.33	707.87	-676.96	1,358.21	1,228.59	129.62	10.478		
9,100.00	7,239.52	9,111.67	7,247.40	67.27	67.21	90.33	707.95	-776.96	1,357.90	1,223.50	134.40	10.103		
9,200.00	7,239.70	9,211.67	7,247.58	69.69	69.64	90.33	708.03	-876.96	1,357.59	1,218.33	139.26	9.749		
9,300.00	7,239.89	9,311.67	7,247.76	72.15	72.09	90.33	708.11	-976.96	1,357.27	1,213.10	144.17	9.414		
9,400.00	7,240.07	9,411.66	7,247.93	74.63	74.58	90.33	708.18	-1,076.95	1,356.96	1,207.81	149.15	9.098		
9,500.00	7,240.26	9,511.66	7,248.11	77.14	77.09	90.33	708.26	-1,176.95	1,356.65	1,202.48	154.17	8.800		
9,600.00	7,240.45	9,611.66	7,248.29	79.68	79.62	90.33	708.34	-1,276.95	1,356.33	1,197.09	159.25	8.517		
9,700.00	7,240.63	9,711.66	7,248.47	82.23	82.18	90.33	708.42	-1,376.95	1,356.02	1,191.66	164.36	8.250		
9,800.00	7,240.82	9,811.66	7,248.64	84.81	84.76	90.33	708.49	-1,476.95	1,355.71	1,186.19	169.52	7.998		
9,900.00	7,241.01	9,911.66	7,248.82	87.40	87.35	90.33	708.57	-1,576.95	1,355.39	1,180.69	174.70	7.758		
10,000.00	7,241.19	10,011.66	7,249.00	90.01	89.96	90.33	708.65	-1,676.95	1,355.08	1,175.15	179.93	7.531		
10,100.00	7,241.38	10,111.66	7,249.17	92.64	92.58	90.33	708.73	-1,776.95	1,354.77	1,169.59	185.18	7.316		
10,200.00	7,241.56	10,211.66	7,249.35	95.28	95.22	90.33	708.80	-1,876.95	1,354.45	1,164.00	190.46	7.112		
10,300.00	7,241.75	10,311.66	7,249.53	97.93	97.87	90.33	708.88	-1,976.95	1,354.14	1,158.38	195.76	6.917		
10,400.00	7,241.94	10,411.66	7,249.71	100.59	100.53	90.33	708.96	-2,076.95	1,353.83	1,152.74	201.09	6.733		
10,500.00	7,242.12	10,511.66	7,249.88	103.26	103.21	90.33	709.04	-2,176.95	1,353.51	1,147.08	206.43	6.557		
10,600.00	7,242.31	10,611.66	7,250.06	105.95	105.89	90.33	709.11	-2,276.95	1,353.20	1,141.40	211.80	6.389		
10,700.00	7,242.50	10,711.66	7,250.24	108.64	108.58	90.33	709.19	-2,376.95	1,352.89	1,135.70	217.19	6.229		
10,800.00	7,242.68	10,811.66	7,250.41	111.34	111.28	90.33	709.27	-2,476.95	1,352.58	1,129.99	222.59	6.077		
10,900.00	7,242.87	10,911.66	7,250.59	114.05	113.99	90.33	709.35	-2,576.94	1,352.26	1,124.26	228.00	5.931		
11,000.00	7,243.05	11,011.66	7,250.77	116.76	116.70	90.33	709.42	-2,676.94	1,351.95	1,118.51	233.44	5.791		
11,100.00	7,243.24	11,111.66	7,250.95	119.49	119.42	90.33	709.50	-2,776.94	1,351.64	1,112.75	238.88	5.658		
11,200.00	7,243.43	11,211.66	7,251.12	122.22	122.15	90.33	709.58	-2,876.94	1,351.32	1,106.98	244.34	5.530		
11,300.00	7,243.61	11,311.66	7,251.30	124.95	124.89	90.33	709.65	-2,976.94	1,351.01	1,101.20	249.81	5.408		
11,400.00	7,243.80	11,411.65	7,251.48	127.69	127.63	90.33	709.73	-3,076.94	1,350.70	1,095.40	255.29	5.291		
11,500.00	7,243.99	11,511.65	7,251.66	130.44	130.37	90.33	709.81	-3,176.94	1,350.38	1,089.60	260.78	5.178		
11,600.00	7,244.17	11,611.65	7,251.83	133.19	133.12	90.32	709.89	-3,276.94	1,350.07	1,083.79	266.28	5.070		
11,700.00	7,244.36	11,711.65	7,252.01	135.94	135.88	90.32	709.96	-3,376.94	1,349.76	1,077.96	271.79	4.966		
11,800.00	7,244.55	11,811.65	7,252.19	138.70	138.63	90.32	710.04	-3,476.94	1,349.44	1,072.13	277.31	4.866		
11,900.00	7,244.73	11,911.65	7,252.36	141.47	141.40	90.32	710.12	-3,576.94	1,349.13	1,066.29	282.84	4.770		
12,000.00	7,244.92	12,011.65	7,252.54	144.24	144.16	90.32	710.20	-3,676.94	1,348.82	1,060.44	288.37	4.677		
12,100.00	7,245.10	12,111.65	7,252.72	147.01	146.93	90.32	710.27	-3,776.94	1,348.50	1,054.59	293.91	4.588		
12,200.00	7,245.29	12,211.65	7,252.90	149.78	149.71	90.32	710.35	-3,876.94	1,348.19	1,048.73	299.46	4.502		
12,300.00	7,245.48	12,311.65	7,253.07	152.56	152.48	90.32	710.43	-3,976.94	1,347.88	1,042.86	305.02	4.419		
12,400.00	7,245.66	12,411.65	7,253.25	155.34	155.26	90.32	710.51	-4,076.93	1,347.56	1,036.99	310.58	4.339		
12,500.00	7,245.85	12,511.65	7,253.43	158.12	158.05	90.32	710.58	-4,176.93	1,347.25	1,031.11	316.14	4.262		
12,600.00	7,246.04	12,611.65	7,253.60	160.91	160.83	90.32	710.66	-4,276.93	1,346.94	1,025.22	321.72	4.187		
12,700.00	7,246.22	12,711.65	7,253.78	163.70	163.62	90.32	710.74	-4,376.93	1,346.62	1,019.33	327.29	4.114		
12,800.00	7,246.41	12,811.65	7,253.96	166.49	166.41	90.32	710.82	-4,476.93	1,346.31	1,013.44	332.87	4.044		
12,900.00	7,246.59	12,911.65	7,254.14	169.28	169.20	90.32	710.89	-4,576.93	1,346.00	1,007.54	338.46	3.977		
13,000.00	7,246.78	13,011.65	7,254.31	172.08	172.00	90.32	710.97	-4,676.93	1,345.68	1,001.63	344.05	3.911		
13,100.00	7,246.97	13,111.65	7,254.49	174.88	174.79	90.32	711.05	-4,776.93	1,345.37	995.72	349.65	3.848		
13,200.00	7,247.15	13,211.65	7,254.67	177.68	177.59	90.32	711.13	-4,876.93	1,345.06	989.81	355.25	3.786		
13,300.00	7,247.34	13,311.65	7,254.84	180.48	180.39	90.32	711.20	-4,976.93	1,344.74	983.89	360.85	3.727		
13,400.00	7,247.53	13,411.64	7,255.02	183.28	183.20	90.32	711.28	-5,076.93	1,344.43	977.97	366.46	3.669		
13,500.00	7,247.71	13,511.64	7,255.20	186.09	186.00	90.32	711.36	-5,176.93	1,344.12	972.05	372.07	3.613		
13,600.00	7,247.90	13,611.64	7,255.38	188.90	188.81	90.32	711.44	-5,276.93	1,343.80	966.12	377.68	3.558		
13,700.00	7,248.08	13,711.64	7,255.55	191.70	191.62	90.32	711.51	-5,376.93	1,343.49	960.19	383.30	3.505		
13,800.00	7,248.27	13,811.64	7,255.73	194.52	194.43	90.32	711.59	-5,476.93	1,343.18	954.26	388.92	3.454		
13,900.00	7,248.46	13,911.64	7,255.91	197.33	197.24	90.32	711.67	-5,576.92	1,342.86	948.32	394.54	3.404		
14,000.00	7,248.64	14,011.64	7,256.08	200.14	200.05	90.32	711.75	-5,676.92	1,342.55	942.39	400.17	3.355		
14,100.00	7,248.83	14,111.64	7,256.26	202.95	202.86	90.32	711.82	-5,776.92	1,342.24	936.44	405.79	3.308		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,211.64	7,256.44	205.77	205.68	90.32	711.90	-5,876.92	1,341.92	930.50	411.42	3.262		
14,300.00	7,249.20	14,311.64	7,256.62	208.59	208.49	90.32	711.98	-5,976.92	1,341.61	924.55	417.06	3.217		
14,400.00	7,249.39	14,411.64	7,256.79	211.41	211.31	90.32	712.06	-6,076.92	1,341.30	918.60	422.69	3.173		
14,500.00	7,249.58	14,511.64	7,256.97	214.23	214.13	90.32	712.13	-6,176.92	1,340.98	912.65	428.33	3.131		
14,600.00	7,249.76	14,611.64	7,257.15	217.05	216.95	90.32	712.21	-6,276.92	1,340.67	906.70	433.97	3.089		
14,700.00	7,249.95	14,711.64	7,257.32	219.87	219.77	90.31	712.29	-6,376.92	1,340.36	900.74	439.61	3.049		
14,800.00	7,250.13	14,811.64	7,257.50	222.69	222.59	90.31	712.37	-6,476.92	1,340.05	894.79	445.26	3.010		
14,900.00	7,250.32	14,911.64	7,257.68	225.51	225.41	90.31	712.44	-6,576.92	1,339.73	888.83	450.90	2.971		
15,000.00	7,250.51	15,011.64	7,257.86	228.34	228.24	90.31	712.52	-6,676.92	1,339.42	882.87	456.55	2.934		
15,100.00	7,250.69	15,111.64	7,258.03	231.16	231.06	90.31	712.60	-6,776.92	1,339.11	876.90	462.20	2.897		
15,200.00	7,250.88	15,211.64	7,258.21	233.99	233.89	90.31	712.68	-6,876.92	1,338.79	870.94	467.85	2.862		
15,300.00	7,251.07	15,311.64	7,258.39	236.82	236.71	90.31	712.75	-6,976.91	1,338.48	864.97	473.51	2.827		
15,400.00	7,251.25	15,411.64	7,258.56	239.65	239.54	90.31	712.83	-7,076.91	1,338.17	859.00	479.16	2.793		
15,500.00	7,251.44	15,511.63	7,258.74	242.47	242.37	90.31	712.91	-7,176.91	1,337.85	853.03	484.82	2.759		
15,600.00	7,251.62	15,611.63	7,258.92	245.30	245.20	90.31	712.99	-7,276.91	1,337.54	847.06	490.48	2.727		
15,700.00	7,251.81	15,711.63	7,259.10	248.13	248.02	90.31	713.06	-7,376.91	1,337.23	841.09	496.14	2.695		
15,800.00	7,252.00	15,811.63	7,259.27	250.97	250.85	90.31	713.14	-7,476.91	1,336.91	835.12	501.80	2.664		
15,900.00	7,252.18	15,911.63	7,259.45	253.80	253.69	90.31	713.22	-7,576.91	1,336.60	829.14	507.46	2.634		
16,000.00	7,252.37	16,011.63	7,259.63	256.63	256.52	90.31	713.30	-7,676.91	1,336.29	823.16	513.12	2.604		
16,100.00	7,252.56	16,111.63	7,259.80	259.46	259.35	90.31	713.37	-7,776.91	1,335.97	817.19	518.79	2.575		
16,200.00	7,252.74	16,211.63	7,259.98	262.30	262.18	90.31	713.45	-7,876.91	1,335.66	811.21	524.45	2.547		
16,300.00	7,252.93	16,311.63	7,260.16	265.13	265.01	90.31	713.53	-7,976.91	1,335.35	805.23	530.12	2.519		
16,400.00	7,253.11	16,411.63	7,260.34	267.96	267.85	90.31	713.61	-8,076.91	1,335.03	799.24	535.79	2.492		
16,500.00	7,253.30	16,511.63	7,260.51	270.80	270.68	90.31	713.68	-8,176.91	1,334.72	793.26	541.46	2.465		
16,600.00	7,253.49	16,611.63	7,260.69	273.64	273.52	90.31	713.76	-8,276.91	1,334.41	787.28	547.13	2.439		
16,700.00	7,253.67	16,711.63	7,260.87	276.47	276.35	90.31	713.84	-8,376.91	1,334.09	781.29	552.80	2.413		
16,800.00	7,253.86	16,811.63	7,261.04	279.31	279.19	90.31	713.92	-8,476.90	1,333.78	775.31	558.47	2.388		
16,900.00	7,254.05	16,911.63	7,261.22	282.15	282.02	90.31	713.99	-8,576.90	1,333.47	769.32	564.15	2.364		
17,000.00	7,254.23	17,011.63	7,261.40	284.98	284.86	90.31	714.07	-8,676.90	1,333.15	763.33	569.82	2.340		
17,100.00	7,254.42	17,111.63	7,261.58	287.82	287.70	90.31	714.15	-8,776.90	1,332.84	757.34	575.50	2.316		
17,200.00	7,254.61	17,211.63	7,261.75	290.66	290.54	90.31	714.23	-8,876.90	1,332.53	751.35	581.17	2.293		
17,300.00	7,254.79	17,311.63	7,261.93	293.50	293.37	90.31	714.30	-8,976.90	1,332.21	745.36	586.85	2.270		
17,400.00	7,254.98	17,411.63	7,262.11	296.34	296.21	90.31	714.38	-9,076.90	1,331.90	739.37	592.53	2.248		
17,500.00	7,255.16	17,511.62	7,262.28	299.18	299.05	90.31	714.46	-9,176.90	1,331.59	733.38	598.21	2.226		
17,600.00	7,255.35	17,611.62	7,262.46	302.02	301.89	90.31	714.54	-9,276.90	1,331.27	727.39	603.89	2.205		
17,700.00	7,255.54	17,711.62	7,262.64	304.86	304.73	90.31	714.61	-9,376.90	1,330.96	721.39	609.57	2.183		
17,800.00	7,255.72	17,811.62	7,262.82	307.70	307.57	90.31	714.69	-9,476.90	1,330.65	715.40	615.25	2.163		
17,900.00	7,255.91	17,911.62	7,262.99	310.54	310.41	90.30	714.77	-9,576.90	1,330.33	709.40	620.93	2.142		
18,000.00	7,256.10	18,011.62	7,263.17	313.39	313.25	90.30	714.85	-9,676.90	1,330.02	703.41	626.61	2.123		
18,100.00	7,256.28	18,111.62	7,263.35	316.23	316.09	90.30	714.92	-9,776.90	1,329.71	697.41	632.30	2.103		
18,200.00	7,256.47	18,211.62	7,263.52	319.07	318.94	90.30	715.00	-9,876.90	1,329.39	691.41	637.98	2.084		
18,300.00	7,256.65	18,311.62	7,263.70	321.91	321.78	90.30	715.08	-9,976.89	1,329.08	685.42	643.67	2.065		
18,400.00	7,256.84	18,411.62	7,263.88	324.76	324.62	90.30	715.16	-10,076.89	1,328.77	679.42	649.35	2.046		
18,500.00	7,257.03	18,511.62	7,264.06	327.60	327.46	90.30	715.23	-10,176.89	1,328.45	673.42	655.04	2.028		
18,600.00	7,257.21	18,611.62	7,264.23	330.44	330.31	90.30	715.31	-10,276.89	1,328.14	667.42	660.72	2.010		
18,700.00	7,257.40	18,711.62	7,264.41	333.29	333.15	90.30	715.39	-10,376.89	1,327.83	661.42	666.41	1.993		
18,800.00	7,257.59	18,811.62	7,264.59	336.13	335.99	90.30	715.47	-10,476.89	1,327.51	655.42	672.10	1.975		
18,900.00	7,257.77	18,911.62	7,264.76	338.98	338.84	90.30	715.54	-10,576.89	1,327.20	649.41	677.79	1.958		
19,000.00	7,257.96	19,011.62	7,264.94	341.82	341.68	90.30	715.62	-10,676.89	1,326.89	643.41	683.48	1.941		
19,022.43	7,258.00	19,034.05	7,264.98	342.46	342.32	90.30	715.64	-10,699.32	1,326.82	642.07	684.75	1.938 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	0.64	75.05	0.83	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	0.64	75.05	0.83	75.05	68.48	6.57	11.424		
200.00	200.00	200.00	200.00	3.34	3.34	0.64	75.05	0.83	75.05	68.38	6.67	11.245		
300.00	300.00	300.00	300.00	3.44	3.44	0.64	75.05	0.83	75.05	68.16	6.89	10.893 CC, ES		
400.00	399.98	399.17	399.15	3.60	3.60	-115.29	75.56	2.47	76.34	69.14	7.20	10.605		
500.00	499.84	498.25	498.09	3.79	3.80	-115.08	77.11	7.37	80.19	72.60	7.59	10.563		
600.00	599.45	597.13	596.60	4.03	4.04	-114.77	79.68	15.52	86.61	78.55	8.07	10.736		
700.00	698.70	695.73	694.47	4.30	4.31	-114.38	83.25	26.86	95.59	86.97	8.62	11.094		
800.00	797.47	793.94	791.50	4.61	4.61	-113.97	87.82	41.35	107.09	97.86	9.23	11.605		
900.00	895.62	891.68	887.49	4.96	4.94	-113.53	93.36	58.90	121.10	111.20	9.90	12.233		
939.50	934.20	930.23	925.16	5.10	5.08	-113.37	95.81	66.68	127.32	117.14	10.18	12.506		
1,000.00	993.20	989.94	983.46	5.33	5.30	-113.34	99.69	78.98	137.10	126.47	10.63	12.903		
1,100.00	1,090.72	1,088.62	1,079.81	5.73	5.69	-113.31	106.10	99.32	153.26	141.87	11.40	13.449		
1,200.00	1,188.24	1,187.31	1,176.16	6.15	6.09	-113.29	112.51	119.66	169.43	157.23	12.20	13.886		
1,300.00	1,285.76	1,285.99	1,272.52	6.59	6.51	-113.27	118.93	140.00	185.59	172.56	13.04	14.236		
1,400.00	1,383.28	1,384.68	1,368.87	7.04	6.94	-113.25	125.34	160.34	201.76	187.86	13.90	14.520		
1,500.00	1,480.80	1,483.36	1,465.22	7.50	7.38	-113.23	131.75	180.67	217.93	203.15	14.77	14.750		
1,600.00	1,578.31	1,582.05	1,561.57	7.96	7.83	-113.22	138.16	201.01	234.09	218.42	15.67	14.939		
1,700.00	1,675.83	1,680.73	1,657.93	8.44	8.28	-113.21	144.58	221.35	250.26	233.68	16.58	15.095		
1,800.00	1,773.35	1,779.42	1,754.28	8.92	8.74	-113.20	150.99	241.69	266.42	248.92	17.50	15.225		
1,900.00	1,870.87	1,878.10	1,850.63	9.40	9.21	-113.19	157.40	262.03	282.59	264.16	18.43	15.333		
2,000.00	1,968.39	1,976.78	1,946.99	9.89	9.68	-113.18	163.81	282.37	298.75	279.38	19.37	15.424		
2,100.00	2,065.91	2,075.47	2,043.34	10.39	10.15	-113.18	170.23	302.71	314.92	294.60	20.32	15.501		
2,200.00	2,163.43	2,174.15	2,139.69	10.88	10.63	-113.17	176.64	323.05	331.08	309.82	21.27	15.567		
2,300.00	2,260.95	2,272.84	2,236.05	11.38	11.11	-113.16	183.05	343.38	347.25	325.02	22.23	15.623		
2,400.00	2,358.46	2,371.52	2,332.40	11.89	11.59	-113.16	189.47	363.72	363.41	340.23	23.19	15.672		
2,500.00	2,455.98	2,470.21	2,428.75	12.39	12.07	-113.15	195.88	384.06	379.58	355.42	24.16	15.713		
2,600.00	2,553.50	2,568.89	2,525.10	12.89	12.56	-113.15	202.29	404.40	395.75	370.62	25.13	15.750		
2,700.00	2,651.02	2,667.58	2,621.46	13.40	13.04	-113.15	208.70	424.74	411.91	385.81	26.10	15.781		
2,800.00	2,748.54	2,766.26	2,717.81	13.91	13.53	-113.14	215.12	445.08	428.08	401.00	27.08	15.808		
2,900.00	2,846.06	2,864.95	2,814.16	14.42	14.02	-113.14	221.53	465.42	444.24	416.18	28.06	15.832		
3,000.00	2,943.58	2,963.63	2,910.52	14.93	14.51	-113.13	227.94	485.75	460.41	431.37	29.04	15.854		
3,100.00	3,041.10	3,062.32	3,006.87	15.45	15.00	-113.13	234.35	506.09	476.57	446.55	30.03	15.872		
3,200.00	3,138.61	3,161.00	3,103.22	15.96	15.49	-113.13	240.77	526.43	492.74	461.73	31.01	15.889		
3,300.00	3,236.13	3,259.69	3,199.57	16.47	15.99	-113.13	247.18	546.77	508.90	476.90	32.00	15.903		
3,400.00	3,333.65	3,358.37	3,295.93	16.99	16.48	-113.12	253.59	567.11	525.07	492.08	32.99	15.916		
3,500.00	3,431.17	3,457.06	3,392.28	17.50	16.98	-113.12	260.01	587.45	541.23	507.25	33.98	15.927		
3,600.00	3,528.69	3,555.74	3,488.63	18.02	17.47	-113.12	266.42	607.79	557.40	522.43	34.97	15.937		
3,700.00	3,626.21	3,654.43	3,584.99	18.54	17.97	-113.12	272.83	628.12	573.57	537.60	35.97	15.946		
3,800.00	3,723.73	3,753.11	3,681.34	19.06	18.46	-113.12	279.24	648.46	589.73	552.77	36.96	15.955		
3,900.00	3,821.25	3,851.79	3,777.69	19.57	18.96	-113.11	285.66	668.80	605.90	567.94	37.96	15.962		
4,000.00	3,918.77	3,950.48	3,874.05	20.09	19.46	-113.11	292.07	689.14	622.06	583.11	38.96	15.968		
4,100.00	4,016.28	4,049.16	3,970.40	20.61	19.96	-113.11	298.48	709.48	638.23	598.27	39.95	15.974		
4,200.00	4,113.80	4,147.85	4,066.75	21.13	20.46	-113.11	304.89	729.82	654.39	613.44	40.95	15.979		
4,300.00	4,211.32	4,246.53	4,163.10	21.65	20.96	-113.11	311.31	750.16	670.56	628.61	41.95	15.984		
4,400.00	4,308.84	4,345.22	4,259.46	22.17	21.45	-113.11	317.72	770.50	686.72	643.77	42.95	15.988		
4,500.00	4,406.36	4,443.90	4,355.81	22.69	21.95	-113.10	324.13	790.83	702.89	658.93	43.95	15.991		
4,600.00	4,503.88	4,542.59	4,452.16	23.21	22.45	-113.10	330.55	811.17	719.05	674.10	44.96	15.995		
4,700.00	4,601.40	4,641.27	4,548.52	23.73	22.95	-113.10	336.96	831.51	735.22	689.26	45.96	15.998		
4,800.00	4,698.92	4,739.96	4,644.87	24.26	23.45	-113.10	343.37	851.85	751.39	704.42	46.96	16.000		
4,900.00	4,796.43	4,838.64	4,741.22	24.78	23.96	-113.10	349.78	872.19	767.55	719.59	47.96	16.003		
5,000.00	4,893.95	4,937.33	4,837.58	25.30	24.46	-113.10	356.20	892.53	783.72	734.75	48.97	16.005		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,036.01	4,933.93	25.82	24.96	-113.10	362.61	912.87	799.88	749.91	49.97	16.007		
5,200.00	5,088.99	5,134.70	5,030.28	26.34	25.46	-113.10	369.02	933.20	816.05	765.07	50.98	16.008		
5,300.00	5,186.51	5,233.38	5,126.63	26.87	25.96	-113.10	375.43	953.54	832.21	780.23	51.98	16.010		
5,400.00	5,284.03	5,332.07	5,222.99	27.39	26.46	-113.09	381.85	973.88	848.38	795.39	52.99	16.011		
5,500.00	5,381.55	5,430.75	5,319.34	27.91	26.96	-113.09	388.26	994.22	864.54	810.55	53.99	16.012		
5,600.00	5,479.07	5,529.44	5,415.69	28.43	27.47	-113.09	394.67	1,014.56	880.71	825.71	55.00	16.013		
5,700.00	5,576.58	5,628.12	5,512.05	28.96	27.97	-113.09	401.09	1,034.90	896.87	840.87	56.01	16.014		
5,800.00	5,674.10	5,726.80	5,608.40	29.48	28.47	-113.09	407.50	1,055.24	913.04	856.03	57.01	16.015		
5,900.00	5,771.62	5,825.49	5,704.75	30.00	28.97	-113.09	413.91	1,075.57	929.21	871.19	58.02	16.015		
6,000.00	5,869.14	5,924.17	5,801.11	30.53	29.48	-113.09	420.32	1,095.91	945.37	886.34	59.03	16.016		
6,100.00	5,966.66	6,022.86	5,897.46	31.05	29.98	-113.09	426.74	1,116.25	961.54	901.50	60.03	16.016		
6,200.00	6,064.18	6,121.54	5,993.81	31.58	30.48	-113.09	433.15	1,136.59	977.70	916.66	61.04	16.017		
6,300.00	6,161.70	6,220.23	6,090.16	32.10	30.98	-113.09	439.56	1,156.93	993.87	931.82	62.05	16.017		
6,400.00	6,259.22	6,318.91	6,186.52	32.62	31.49	-113.09	445.98	1,177.27	1,010.03	946.97	63.06	16.017		
6,500.00	6,356.74	6,417.60	6,282.87	33.15	31.99	-113.09	452.39	1,197.61	1,026.20	962.13	64.07	16.017		
6,600.00	6,454.25	6,519.50	6,383.20	33.67	32.47	-113.37	459.06	1,213.60	1,042.24	977.18	65.06	16.019		
6,623.48	6,477.15	6,543.28	6,406.87	33.80	32.57	-113.56	460.64	1,215.09	1,045.96	980.69	65.28	16.023		
6,650.00	6,503.12	6,569.89	6,433.42	33.93	32.68	-119.77	462.40	1,215.70	1,050.19	984.68	65.51	16.032		
6,700.00	6,552.50	6,619.59	6,482.97	34.16	32.86	-139.84	465.70	1,213.87	1,058.26	992.36	65.90	16.059		
6,750.00	6,602.21	6,668.69	6,531.63	34.36	33.04	-179.03	468.93	1,208.26	1,066.43	1,000.17	66.25	16.096		
6,800.00	6,651.92	6,717.24	6,579.17	34.54	33.21	140.89	472.09	1,199.03	1,074.63	1,008.05	66.58	16.140		
6,850.00	6,701.33	6,765.26	6,625.38	34.70	33.40	120.11	475.15	1,186.37	1,082.82	1,015.91	66.91	16.184		
6,900.00	6,750.14	6,812.80	6,670.06	34.86	33.59	109.53	478.12	1,170.42	1,090.93	1,023.69	67.24	16.224		
6,950.00	6,798.04	6,859.90	6,713.02	35.02	33.79	103.19	480.97	1,151.37	1,098.92	1,031.33	67.59	16.259		
7,000.00	6,844.75	6,906.59	6,754.12	35.19	34.00	98.88	483.69	1,129.40	1,106.72	1,038.77	67.95	16.287		
7,050.00	6,889.97	6,952.91	6,793.19	35.37	34.23	95.68	486.28	1,104.68	1,114.29	1,045.94	68.34	16.304		
7,100.00	6,933.42	6,998.89	6,830.11	35.57	34.47	93.17	488.73	1,077.38	1,121.57	1,052.80	68.76	16.310		
7,150.00	6,974.83	7,044.57	6,864.73	35.79	34.74	91.12	491.02	1,047.70	1,128.51	1,059.29	69.23	16.302		
7,200.00	7,013.96	7,089.97	6,896.95	36.02	35.02	89.40	493.15	1,015.81	1,135.07	1,065.34	69.73	16.278		
7,250.00	7,050.56	7,135.11	6,926.67	36.28	35.34	87.94	495.12	981.89	1,141.21	1,070.92	70.29	16.236		
7,300.00	7,084.39	7,180.04	6,953.79	36.57	35.67	86.69	496.91	946.12	1,146.87	1,075.96	70.90	16.175		
7,350.00	7,115.27	7,224.76	6,978.21	36.89	36.04	85.62	498.52	908.71	1,152.02	1,080.44	71.58	16.094		
7,400.00	7,142.99	7,269.31	6,999.88	37.25	36.44	84.70	499.94	869.82	1,156.64	1,084.31	72.33	15.991		
7,450.00	7,167.38	7,313.70	7,018.72	37.65	36.86	83.92	501.18	829.65	1,160.68	1,087.53	73.15	15.868		
7,500.00	7,188.30	7,357.96	7,034.68	38.08	37.31	83.27	502.23	788.39	1,164.12	1,090.08	74.04	15.724		
7,550.00	7,205.61	7,402.10	7,047.71	38.55	37.79	82.75	503.08	746.24	1,166.94	1,091.94	75.00	15.559		
7,600.00	7,219.20	7,446.14	7,057.77	39.06	38.30	82.35	503.74	703.38	1,169.11	1,093.08	76.03	15.377		
7,650.00	7,229.00	7,490.10	7,064.84	39.61	38.83	82.05	504.19	660.00	1,170.64	1,093.51	77.13	15.178		
7,700.00	7,234.95	7,533.99	7,068.91	40.18	39.38	81.87	504.45	616.31	1,171.49	1,093.22	78.27	14.967		
7,750.07	7,237.00	7,578.83	7,070.00	40.78	39.95	81.81	504.50	571.49	1,171.67	1,092.20	79.47	14.744		
7,800.00	7,237.09	7,628.76	7,070.00	41.41	40.63	81.80	504.49	521.56	1,171.47	1,090.67	80.80	14.499		
7,900.00	7,237.28	7,728.76	7,070.01	42.79	42.09	81.79	504.45	421.56	1,171.08	1,087.41	83.66	13.998		
8,000.00	7,237.47	7,828.76	7,070.02	44.31	43.69	81.78	504.42	321.56	1,170.68	1,083.88	86.80	13.487		
8,100.00	7,237.65	7,928.76	7,070.03	45.97	45.41	81.76	504.39	221.56	1,170.29	1,080.10	90.19	12.976		
8,200.00	7,237.84	8,028.76	7,070.04	47.75	47.24	81.75	504.35	121.56	1,169.89	1,076.10	93.79	12.473		
8,300.00	7,238.02	8,128.76	7,070.05	49.63	49.17	81.74	504.32	21.57	1,169.50	1,071.90	97.60	11.983		
8,400.00	7,238.21	8,228.76	7,070.06	51.61	51.19	81.73	504.28	-78.43	1,169.10	1,067.53	101.57	11.510		
8,500.00	7,238.40	8,328.75	7,070.07	53.66	53.28	81.72	504.25	-178.43	1,168.71	1,063.00	105.70	11.056		
8,600.00	7,238.58	8,428.75	7,070.07	55.79	55.45	81.71	504.22	-278.43	1,168.31	1,058.34	109.97	10.624		
8,700.00	7,238.77	8,528.75	7,070.08	57.99	57.67	81.70	504.18	-378.43	1,167.92	1,053.56	114.36	10.213		
8,800.00	7,238.96	8,628.75	7,070.09	60.24	59.95	81.68	504.15	-478.43	1,167.53	1,048.67	118.86	9.823		
8,900.00	7,239.14	8,728.75	7,070.10	62.54	62.27	81.67	504.12	-578.43	1,167.13	1,043.68	123.45	9.454		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	8,828.75	7,070.11	64.88	64.64	81.66	504.08	-678.43	1,166.74	1,038.60	128.13	9.106		
9,100.00	7,239.52	8,928.75	7,070.12	67.27	67.05	81.65	504.05	-778.43	1,166.34	1,033.45	132.89	8.777		
9,200.00	7,239.70	9,028.75	7,070.13	69.69	69.49	81.64	504.02	-878.43	1,165.95	1,028.23	137.71	8.466		
9,300.00	7,239.89	9,128.75	7,070.14	72.15	71.97	81.63	503.98	-978.42	1,165.55	1,022.95	142.60	8.173		
9,400.00	7,240.07	9,228.74	7,070.15	74.63	74.47	81.61	503.95	-1,078.42	1,165.16	1,017.62	147.54	7.897		
9,500.00	7,240.26	9,328.74	7,070.15	77.14	76.99	81.60	503.91	-1,178.42	1,164.77	1,012.23	152.54	7.636		
9,600.00	7,240.45	9,428.74	7,070.16	79.68	79.54	81.59	503.88	-1,278.42	1,164.37	1,006.80	157.57	7.389		
9,700.00	7,240.63	9,528.74	7,070.17	82.23	82.11	81.58	503.85	-1,378.42	1,163.98	1,001.33	162.65	7.156		
9,800.00	7,240.82	9,628.74	7,070.18	84.81	84.70	81.57	503.81	-1,478.42	1,163.59	995.82	167.77	6.936		
9,900.00	7,241.01	9,728.74	7,070.19	87.40	87.30	81.56	503.78	-1,578.42	1,163.19	990.27	172.92	6.727		
10,000.00	7,241.19	9,828.74	7,070.20	90.01	89.92	81.54	503.75	-1,678.42	1,162.80	984.70	178.10	6.529		
10,100.00	7,241.38	9,928.74	7,070.21	92.64	92.56	81.53	503.71	-1,778.42	1,162.40	979.09	183.31	6.341		
10,200.00	7,241.56	10,028.74	7,070.22	95.28	95.20	81.52	503.68	-1,878.41	1,162.01	973.47	188.55	6.163		
10,300.00	7,241.75	10,128.74	7,070.23	97.93	97.86	81.51	503.64	-1,978.41	1,161.62	967.81	193.80	5.994		
10,400.00	7,241.94	10,228.73	7,070.23	100.59	100.53	81.50	503.61	-2,078.41	1,161.22	962.14	199.09	5.833		
10,500.00	7,242.12	10,328.73	7,070.24	103.26	103.22	81.48	503.58	-2,178.41	1,160.83	956.44	204.39	5.680		
10,600.00	7,242.31	10,428.73	7,070.25	105.95	105.91	81.47	503.54	-2,278.41	1,160.44	950.73	209.71	5.534		
10,700.00	7,242.50	10,528.73	7,070.26	108.64	108.60	81.46	503.51	-2,378.41	1,160.04	945.00	215.04	5.394		
10,800.00	7,242.68	10,628.73	7,070.27	111.34	111.31	81.45	503.48	-2,478.41	1,159.65	939.25	220.40	5.262		
10,900.00	7,242.87	10,728.73	7,070.28	114.05	114.03	81.44	503.44	-2,578.41	1,159.26	933.49	225.76	5.135		
11,000.00	7,243.05	10,828.73	7,070.29	116.76	116.75	81.43	503.41	-2,678.41	1,158.86	927.72	231.15	5.014		
11,100.00	7,243.24	10,928.73	7,070.30	119.49	119.47	81.41	503.38	-2,778.41	1,158.47	921.93	236.54	4.898		
11,200.00	7,243.43	11,028.73	7,070.31	122.22	122.21	81.40	503.34	-2,878.40	1,158.08	916.13	241.95	4.787		
11,300.00	7,243.61	11,128.72	7,070.31	124.95	124.95	81.39	503.31	-2,978.40	1,157.68	910.32	247.36	4.680		
11,400.00	7,243.80	11,228.72	7,070.32	127.69	127.69	81.38	503.27	-3,078.40	1,157.29	904.50	252.79	4.578		
11,500.00	7,243.99	11,328.72	7,070.33	130.44	130.44	81.37	503.24	-3,178.40	1,156.90	898.67	258.23	4.480		
11,600.00	7,244.17	11,428.72	7,070.34	133.19	133.20	81.35	503.21	-3,278.40	1,156.51	892.83	263.67	4.386		
11,700.00	7,244.36	11,528.72	7,070.35	135.94	135.95	81.34	503.17	-3,378.40	1,156.11	886.98	269.13	4.296		
11,800.00	7,244.55	11,628.72	7,070.36	138.70	138.72	81.33	503.14	-3,478.40	1,155.72	881.13	274.59	4.209		
11,900.00	7,244.73	11,728.72	7,070.37	141.47	141.48	81.32	503.11	-3,578.40	1,155.33	875.27	280.06	4.125		
12,000.00	7,244.92	11,828.72	7,070.38	144.24	144.25	81.31	503.07	-3,678.40	1,154.93	869.40	285.54	4.045		
12,100.00	7,245.10	11,928.72	7,070.39	147.01	147.03	81.30	503.04	-3,778.39	1,154.54	863.52	291.02	3.967		
12,200.00	7,245.29	12,028.71	7,070.39	149.78	149.81	81.28	503.00	-3,878.39	1,154.15	857.64	296.51	3.892		
12,300.00	7,245.48	12,128.71	7,070.40	152.56	152.59	81.27	502.97	-3,978.39	1,153.76	851.75	302.01	3.820		
12,400.00	7,245.66	12,228.71	7,070.41	155.34	155.37	81.26	502.94	-4,078.39	1,153.36	845.86	307.51	3.751		
12,500.00	7,245.85	12,328.71	7,070.42	158.12	158.15	81.25	502.90	-4,178.39	1,152.97	839.96	313.01	3.683		
12,600.00	7,246.04	12,428.71	7,070.43	160.91	160.94	81.24	502.87	-4,278.39	1,152.58	834.05	318.53	3.618		
12,700.00	7,246.22	12,528.71	7,070.44	163.70	163.73	81.22	502.84	-4,378.39	1,152.19	828.14	324.04	3.556		
12,800.00	7,246.41	12,628.71	7,070.45	166.49	166.53	81.21	502.80	-4,478.39	1,151.79	822.23	329.56	3.495		
12,900.00	7,246.59	12,728.71	7,070.46	169.28	169.32	81.20	502.77	-4,578.39	1,151.40	816.31	335.09	3.436		
13,000.00	7,246.78	12,828.71	7,070.46	172.08	172.12	81.19	502.74	-4,678.39	1,151.01	810.39	340.62	3.379		
13,100.00	7,246.97	12,928.71	7,070.47	174.88	174.92	81.18	502.70	-4,778.38	1,150.62	804.47	346.15	3.324		
13,200.00	7,247.15	13,028.70	7,070.48	177.68	177.72	81.16	502.67	-4,878.38	1,150.23	798.54	351.68	3.271		
13,300.00	7,247.34	13,128.70	7,070.49	180.48	180.52	81.15	502.63	-4,978.38	1,149.83	792.61	357.22	3.219		
13,400.00	7,247.53	13,228.70	7,070.50	183.28	183.33	81.14	502.60	-5,078.38	1,149.44	786.68	362.77	3.169		
13,500.00	7,247.71	13,328.70	7,070.51	186.09	186.13	81.13	502.57	-5,178.38	1,149.05	780.74	368.31	3.120		
13,600.00	7,247.90	13,428.70	7,070.52	188.90	188.94	81.12	502.53	-5,278.38	1,148.66	774.80	373.86	3.072		
13,700.00	7,248.08	13,528.70	7,070.53	191.70	191.75	81.10	502.50	-5,378.38	1,148.27	768.85	379.41	3.026		
13,800.00	7,248.27	13,628.70	7,070.54	194.52	194.56	81.09	502.47	-5,478.38	1,147.87	762.91	384.97	2.982		
13,900.00	7,248.46	13,728.70	7,070.54	197.33	197.38	81.08	502.43	-5,578.38	1,147.48	756.96	390.52	2.938		
14,000.00	7,248.64	13,828.70	7,070.55	200.14	200.19	81.07	502.40	-5,678.37	1,147.09	751.01	396.08	2.896		
14,100.00	7,248.83	13,928.69	7,070.56	202.95	203.01	81.06	502.36	-5,778.37	1,146.70	745.06	401.64	2.855		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,028.69	7,070.57	205.77	205.82	81.04	502.33	-5,878.37	1,146.31	739.10	407.20	2.815		
14,300.00	7,249.20	14,128.69	7,070.58	208.59	208.64	81.03	502.30	-5,978.37	1,145.92	733.15	412.77	2.776		
14,400.00	7,249.39	14,228.69	7,070.59	211.41	211.46	81.02	502.26	-6,078.37	1,145.52	727.19	418.34	2.738		
14,500.00	7,249.58	14,328.69	7,070.60	214.23	214.28	81.01	502.23	-6,178.37	1,145.13	721.23	423.90	2.701		
14,600.00	7,249.76	14,428.69	7,070.61	217.05	217.10	81.00	502.20	-6,278.37	1,144.74	715.27	429.47	2.665		
14,700.00	7,249.95	14,528.69	7,070.62	219.87	219.92	80.98	502.16	-6,378.37	1,144.35	709.30	435.05	2.630		
14,800.00	7,250.13	14,628.69	7,070.62	222.69	222.75	80.97	502.13	-6,478.37	1,143.96	703.34	440.62	2.596		
14,900.00	7,250.32	14,728.69	7,070.63	225.51	225.57	80.96	502.10	-6,578.36	1,143.57	697.37	446.20	2.563		
15,000.00	7,250.51	14,828.69	7,070.64	228.34	228.39	80.95	502.06	-6,678.36	1,143.18	691.40	451.77	2.530		
15,100.00	7,250.69	14,928.68	7,070.65	231.16	231.22	80.93	502.03	-6,778.36	1,142.79	685.43	457.35	2.499		
15,200.00	7,250.88	15,028.68	7,070.66	233.99	234.05	80.92	501.99	-6,878.36	1,142.39	679.46	462.93	2.468		
15,300.00	7,251.07	15,128.68	7,070.67	236.82	236.87	80.91	501.96	-6,978.36	1,142.00	673.49	468.51	2.438		
15,400.00	7,251.25	15,228.68	7,070.68	239.65	239.70	80.90	501.93	-7,078.36	1,141.61	667.52	474.09	2.408		
15,500.00	7,251.44	15,328.68	7,070.69	242.47	242.53	80.89	501.89	-7,178.36	1,141.22	661.55	479.68	2.379		
15,600.00	7,251.62	15,428.68	7,070.70	245.30	245.36	80.87	501.86	-7,278.36	1,140.83	655.57	485.26	2.351		
15,700.00	7,251.81	15,528.68	7,070.70	248.13	248.19	80.86	501.83	-7,378.36	1,140.44	649.59	490.85	2.323		
15,800.00	7,252.00	15,628.68	7,070.71	250.97	251.02	80.85	501.79	-7,478.36	1,140.05	643.62	496.43	2.296		
15,900.00	7,252.18	15,728.68	7,070.72	253.80	253.85	80.84	501.76	-7,578.35	1,139.66	637.64	502.02	2.270		
16,000.00	7,252.37	15,828.67	7,070.73	256.63	256.69	80.83	501.72	-7,678.35	1,139.27	631.66	507.61	2.244		
16,100.00	7,252.56	15,928.67	7,070.74	259.46	259.52	80.81	501.69	-7,778.35	1,138.88	625.68	513.20	2.219		
16,200.00	7,252.74	16,028.67	7,070.75	262.30	262.35	80.80	501.66	-7,878.35	1,138.49	619.70	518.79	2.195		
16,300.00	7,252.93	16,128.67	7,070.76	265.13	265.19	80.79	501.62	-7,978.35	1,138.10	613.72	524.38	2.170		
16,400.00	7,253.11	16,228.67	7,070.77	267.96	268.02	80.78	501.59	-8,078.35	1,137.71	607.74	529.97	2.147		
16,500.00	7,253.30	16,328.67	7,070.78	270.80	270.85	80.76	501.56	-8,178.35	1,137.31	601.76	535.56	2.124		
16,600.00	7,253.49	16,428.67	7,070.78	273.64	273.69	80.75	501.52	-8,278.35	1,136.92	595.77	541.15	2.101		
16,700.00	7,253.67	16,528.67	7,070.79	276.47	276.53	80.74	501.49	-8,378.35	1,136.53	589.79	546.75	2.079		
16,800.00	7,253.86	16,628.67	7,070.80	279.31	279.36	80.73	501.46	-8,478.34	1,136.14	583.80	552.34	2.057		
16,900.00	7,254.05	16,728.67	7,070.81	282.15	282.20	80.72	501.42	-8,578.34	1,135.75	577.82	557.93	2.036		
17,000.00	7,254.23	16,828.66	7,070.82	284.98	285.04	80.70	501.39	-8,678.34	1,135.36	571.83	563.53	2.015		
17,100.00	7,254.42	16,928.66	7,070.83	287.82	287.88	80.69	501.35	-8,778.34	1,134.97	565.85	569.12	1.994		
17,200.00	7,254.61	17,028.66	7,070.84	290.66	290.71	80.68	501.32	-8,878.34	1,134.58	559.86	574.72	1.974		
17,300.00	7,254.79	17,128.66	7,070.85	293.50	293.55	80.67	501.29	-8,978.34	1,134.19	553.88	580.32	1.954		
17,400.00	7,254.98	17,228.66	7,070.86	296.34	296.39	80.65	501.25	-9,078.34	1,133.80	547.89	585.91	1.935		
17,500.00	7,255.16	17,328.66	7,070.86	299.18	299.23	80.64	501.22	-9,178.34	1,133.41	541.90	591.51	1.916		
17,600.00	7,255.35	17,428.66	7,070.87	302.02	302.07	80.63	501.19	-9,278.34	1,133.02	535.91	597.11	1.898		
17,700.00	7,255.54	17,528.66	7,070.88	304.86	304.91	80.62	501.15	-9,378.34	1,132.63	529.93	602.71	1.879		
17,800.00	7,255.72	17,628.66	7,070.89	307.70	307.75	80.60	501.12	-9,478.33	1,132.24	523.94	608.31	1.861		
17,900.00	7,255.91	17,728.65	7,070.90	310.54	310.59	80.59	501.08	-9,578.33	1,131.85	517.95	613.90	1.844		
18,000.00	7,256.10	17,828.65	7,070.91	313.39	313.44	80.58	501.05	-9,678.33	1,131.46	511.96	619.50	1.826		
18,100.00	7,256.28	17,928.65	7,070.92	316.23	316.28	80.57	501.02	-9,778.33	1,131.08	505.97	625.10	1.809		
18,200.00	7,256.47	18,028.65	7,070.93	319.07	319.12	80.55	500.98	-9,878.33	1,130.69	499.98	630.70	1.793		
18,300.00	7,256.65	18,128.65	7,070.94	321.91	321.96	80.54	500.95	-9,978.33	1,130.30	493.99	636.30	1.776		
18,400.00	7,256.84	18,228.65	7,070.94	324.76	324.80	80.53	500.92	-10,078.33	1,129.91	488.00	641.90	1.760		
18,500.00	7,257.03	18,328.65	7,070.95	327.60	327.65	80.52	500.88	-10,178.33	1,129.52	482.01	647.50	1.744		
18,600.00	7,257.21	18,428.65	7,070.96	330.44	330.49	80.51	500.85	-10,278.33	1,129.13	476.02	653.10	1.729		
18,700.00	7,257.40	18,528.65	7,070.97	333.29	333.33	80.49	500.82	-10,378.32	1,128.74	470.03	658.70	1.714		
18,800.00	7,257.59	18,628.65	7,070.98	336.13	336.18	80.48	500.78	-10,478.32	1,128.35	464.04	664.31	1.699		
18,900.00	7,257.77	18,728.64	7,070.99	338.98	339.02	80.47	500.75	-10,578.32	1,127.96	458.05	669.91	1.684		
19,000.00	7,257.96	18,828.64	7,071.00	341.82	341.87	80.46	500.71	-10,678.32	1,127.57	452.06	675.51	1.669		
19,022.43	7,258.00	18,851.07	7,071.00	342.46	342.50	80.45	500.71	-10,700.75	1,127.48	450.72	676.76	1.666 SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	1.07	14.94	0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	1.07	14.94	0.28	14.94	8.37	6.57	2.275		
200.00	200.00	200.00	200.00	3.34	3.34	1.07	14.94	0.28	14.94	8.27	6.67	2.239		
300.00	300.00	300.04	300.02	3.44	3.44	7.77	14.64	2.00	14.77	7.89	6.89	2.145		
307.60	307.60	307.64	307.61	3.45	3.45	-107.20	14.59	2.27	14.77	7.86	6.91	2.138 CC		
400.00	399.98	399.93	399.77	3.60	3.60	-94.92	13.73	7.15	15.53	8.34	7.20	2.159		
500.00	499.84	499.69	499.14	3.79	3.80	-84.18	12.22	15.70	17.97	10.37	7.60	2.364		
600.00	599.45	599.29	598.00	4.03	4.05	-77.15	10.12	27.64	21.77	13.68	8.10	2.690		
700.00	698.70	698.72	696.21	4.30	4.33	-73.15	7.42	42.92	26.67	18.00	8.67	3.076		
800.00	797.47	809.06	793.61	4.61	4.69	-71.18	4.14	61.50	32.49	23.14	9.35	3.474		
900.00	895.62	902.23	891.23	4.96	5.03	-72.34	0.52	82.06	38.30	28.28	10.02	3.823		
939.50	934.20	937.20	929.79	5.10	5.16	-74.01	-0.91	90.18	40.32	30.03	10.29	3.920		
1,000.00	993.20	1,002.42	988.84	5.33	5.42	-76.85	-3.10	102.62	43.39	32.62	10.76	4.031		
1,100.00	1,090.72	1,102.60	1,086.45	5.73	5.82	-80.74	-6.73	123.17	48.65	37.08	11.56	4.207		
1,200.00	1,188.24	1,202.79	1,184.05	6.15	6.25	-83.87	-10.35	143.72	54.09	41.69	12.40	4.361		
1,300.00	1,285.76	1,302.98	1,281.66	6.59	6.68	-86.41	-13.98	164.28	59.66	46.39	13.27	4.495		
1,400.00	1,383.28	1,403.16	1,379.26	7.04	7.13	-88.52	-17.60	184.83	65.33	51.17	14.16	4.612		
1,500.00	1,480.80	1,503.35	1,476.87	7.50	7.59	-90.29	-21.23	205.39	71.08	56.00	15.08	4.714		
1,600.00	1,578.31	1,603.54	1,574.48	7.96	8.05	-91.79	-24.85	225.94	76.88	60.88	16.00	4.804		
1,700.00	1,675.83	1,703.73	1,672.08	8.44	8.52	-93.08	-28.47	246.50	82.73	65.78	16.94	4.882		
1,800.00	1,773.35	1,803.91	1,769.69	8.92	9.00	-94.20	-32.10	267.05	88.61	70.72	17.89	4.952		
1,900.00	1,870.87	1,904.10	1,867.30	9.40	9.47	-95.19	-35.72	287.61	94.52	75.67	18.85	5.013		
2,000.00	1,968.39	2,004.29	1,964.90	9.89	9.96	-96.05	-39.35	308.16	100.46	80.64	19.82	5.068		
2,100.00	2,065.91	2,104.47	2,062.51	10.39	10.44	-96.82	-42.97	328.71	106.42	85.62	20.79	5.118		
2,200.00	2,163.43	2,204.66	2,160.11	10.88	10.93	-97.51	-46.60	349.27	112.39	90.62	21.77	5.162		
2,300.00	2,260.95	2,295.15	2,257.72	11.38	11.38	-98.12	-50.22	369.82	118.38	95.67	22.71	5.213		
2,400.00	2,358.46	2,405.04	2,355.33	11.89	11.92	-98.68	-53.84	390.38	124.38	100.64	23.75	5.238		
2,500.00	2,455.98	2,505.22	2,452.93	12.39	12.41	-99.19	-57.47	410.93	130.39	105.66	24.74	5.271		
2,600.00	2,553.50	2,605.41	2,550.54	12.89	12.91	-99.65	-61.09	431.49	136.42	110.68	25.73	5.301		
2,700.00	2,651.02	2,694.40	2,648.15	13.40	13.35	-100.07	-64.72	452.04	142.45	115.77	26.67	5.340		
2,800.00	2,748.54	2,805.79	2,745.75	13.91	13.91	-100.46	-68.34	472.60	148.48	120.75	27.73	5.354		
2,900.00	2,846.06	2,905.97	2,843.36	14.42	14.41	-100.82	-71.97	493.15	154.53	125.79	28.73	5.378		
3,000.00	2,943.58	2,993.84	2,940.96	14.93	14.85	-101.15	-75.59	513.70	160.57	130.90	29.68	5.411		
3,100.00	3,041.10	3,093.65	3,038.57	15.45	15.35	-101.46	-79.21	534.26	166.63	135.94	30.68	5.431		
3,200.00	3,138.61	3,193.47	3,136.18	15.96	15.85	-101.74	-82.84	554.81	172.68	141.00	31.69	5.449		
3,300.00	3,236.13	3,306.72	3,233.78	16.47	16.42	-102.01	-86.46	575.37	178.75	145.98	32.76	5.456		
3,400.00	3,333.65	3,406.91	3,331.39	16.99	16.93	-102.26	-90.09	595.92	184.81	151.04	33.78	5.472		
3,500.00	3,431.17	3,507.10	3,429.00	17.50	17.43	-102.49	-93.71	616.48	190.88	156.09	34.79	5.487		
3,600.00	3,528.69	3,592.72	3,526.60	18.02	17.87	-102.71	-97.34	637.03	196.95	161.22	35.73	5.513		
3,700.00	3,626.21	3,707.47	3,624.21	18.54	18.45	-102.92	-100.96	657.59	203.03	166.21	36.82	5.515		
3,800.00	3,723.73	3,807.66	3,721.81	19.06	18.96	-103.11	-104.58	678.14	209.10	171.27	37.83	5.527		
3,900.00	3,821.25	3,907.84	3,819.42	19.57	19.46	-103.29	-108.21	698.69	215.18	176.33	38.85	5.539		
4,000.00	3,918.77	4,008.03	3,917.03	20.09	19.97	-103.46	-111.83	719.25	221.26	181.40	39.87	5.550		
4,100.00	4,016.28	4,108.22	4,014.63	20.61	20.48	-103.63	-115.46	739.80	227.35	186.46	40.88	5.561		
4,200.00	4,113.80	4,208.41	4,112.24	21.13	20.99	-103.78	-119.08	760.36	233.43	191.53	41.90	5.571		
4,300.00	4,211.32	4,308.59	4,209.84	21.65	21.50	-103.93	-122.71	780.91	239.52	196.59	42.92	5.580		
4,400.00	4,308.84	4,408.78	4,307.45	22.17	22.01	-104.07	-126.33	801.47	245.60	201.66	43.94	5.589		
4,500.00	4,406.36	4,508.97	4,405.06	22.69	22.52	-104.20	-129.95	822.02	251.69	206.73	44.96	5.598		
4,600.00	4,503.88	4,609.16	4,502.66	23.21	23.03	-104.33	-133.58	842.58	257.78	211.80	45.99	5.606		
4,700.00	4,601.40	4,709.34	4,600.27	23.73	23.54	-104.45	-137.20	863.13	263.88	216.87	47.01	5.614		
4,800.00	4,698.92	4,809.53	4,697.88	24.26	24.05	-104.57	-140.83	883.68	269.97	221.94	48.03	5.621		
4,900.00	4,796.43	4,909.72	4,795.48	24.78	24.57	-104.68	-144.45	904.24	276.06	227.01	49.05	5.628		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	5,009.90	4,893.09	25.30	25.08	-104.78	-148.08	924.79	282.16	232.08	50.07	5.635		
5,100.00	4,991.47	5,089.91	4,990.69	25.82	25.49	-104.88	-151.70	945.35	288.25	237.26	51.00	5.653		
5,200.00	5,088.99	5,189.72	5,088.30	26.34	26.00	-104.98	-155.32	965.90	294.35	242.33	52.02	5.659		
5,300.00	5,186.51	5,289.53	5,185.91	26.87	26.51	-105.07	-158.95	986.46	300.45	247.41	53.04	5.665		
5,400.00	5,284.03	5,389.35	5,283.51	27.39	27.02	-105.16	-162.57	1,007.01	306.54	252.48	54.06	5.670		
5,500.00	5,381.55	5,489.16	5,381.12	27.91	27.53	-105.25	-166.20	1,027.57	312.64	257.56	55.09	5.676		
5,600.00	5,479.07	5,588.97	5,478.73	28.43	28.04	-105.33	-169.82	1,048.12	318.74	262.63	56.11	5.681		
5,700.00	5,576.58	5,688.79	5,576.33	28.96	28.55	-105.41	-173.45	1,068.67	324.84	267.71	57.13	5.686		
5,800.00	5,674.10	5,788.60	5,673.94	29.48	29.06	-105.49	-177.07	1,089.23	330.94	272.79	58.16	5.691		
5,900.00	5,771.62	5,888.41	5,771.54	30.00	29.57	-105.56	-180.69	1,109.78	337.05	277.87	59.18	5.695		
6,000.00	5,869.14	5,988.22	5,869.15	30.53	30.08	-105.63	-184.32	1,130.34	343.15	282.94	60.20	5.700		
6,100.00	5,966.66	6,088.04	5,966.76	31.05	30.59	-105.70	-187.94	1,150.89	349.25	288.02	61.23	5.704		
6,200.00	6,064.18	6,187.85	6,064.36	31.58	31.10	-105.76	-191.57	1,171.45	355.35	293.10	62.25	5.708		
6,300.00	6,161.70	6,287.66	6,161.97	32.10	31.62	-105.83	-195.19	1,192.00	361.46	298.18	63.28	5.712		
6,400.00	6,259.22	6,396.75	6,269.82	32.62	32.12	-107.05	-199.22	1,207.04	366.42	302.15	64.27	5.701		
6,500.00	6,356.74	6,501.76	6,374.59	33.15	32.49	-110.86	-203.21	1,204.01	369.55	304.59	64.96	5.689		
6,600.00	6,454.25	6,596.76	6,467.79	33.67	32.81	-116.41	-206.80	1,186.47	373.95	308.50	65.45	5.713		
6,623.48	6,477.15	6,617.33	6,487.56	33.80	32.89	-117.85	-207.57	1,180.85	375.60	310.08	65.52	5.732		
6,650.00	6,503.12	6,639.99	6,509.12	33.93	32.97	-125.27	-208.42	1,173.92	377.85	312.28	65.57	5.762		
6,700.00	6,552.50	6,681.80	6,548.19	34.16	33.14	-147.53	-209.95	1,159.15	383.14	317.55	65.59	5.842		
6,750.00	6,602.21	6,722.52	6,585.24	34.36	33.31	-171.19	-211.42	1,142.32	389.62	324.14	65.48	5.950		
6,800.00	6,651.92	6,762.30	6,620.32	34.54	33.48	-129.14	-212.81	1,123.63	397.10	331.85	65.26	6.085		
6,850.00	6,701.33	6,801.24	6,653.46	34.70	33.67	-106.53	-214.14	1,103.24	405.38	340.45	64.92	6.244		
6,900.00	6,750.14	6,839.44	6,684.71	34.86	33.86	-94.24	-215.41	1,081.30	414.25	349.75	64.50	6.423		
6,950.00	6,798.04	6,876.99	6,714.08	35.02	34.07	-86.34	-216.61	1,057.96	423.51	359.52	63.99	6.618		
7,000.00	6,844.75	6,913.96	6,741.60	35.19	34.28	-80.62	-217.74	1,033.32	433.00	369.57	63.43	6.827		
7,050.00	6,889.97	6,950.00	6,767.02	35.37	34.51	-76.16	-218.80	1,007.79	442.54	379.73	62.81	7.046		
7,100.00	6,933.42	6,986.41	6,791.19	35.57	34.76	-72.49	-219.81	980.59	451.98	389.77	62.21	7.265		
7,150.00	6,974.83	7,022.00	6,813.28	35.79	35.02	-69.42	-220.75	952.69	461.18	399.57	61.61	7.485		
7,200.00	7,013.96	7,057.24	6,833.58	36.02	35.30	-66.82	-221.63	923.91	470.03	408.97	61.06	7.698		
7,250.00	7,050.56	7,092.18	6,852.10	36.28	35.59	-64.58	-222.44	894.31	478.41	417.83	60.58	7.897		
7,300.00	7,084.39	7,126.83	6,868.85	36.57	35.90	-62.65	-223.18	863.98	486.23	426.03	60.20	8.077		
7,350.00	7,115.27	7,161.25	6,883.82	36.89	36.23	-61.00	-223.86	833.00	493.41	433.46	59.95	8.231		
7,400.00	7,142.99	7,195.46	6,897.02	37.25	36.57	-59.60	-224.48	801.45	499.87	440.03	59.84	8.353		
7,450.00	7,167.38	7,229.50	6,908.46	37.65	36.93	-58.41	-225.03	769.40	505.56	445.65	59.91	8.439		
7,500.00	7,188.30	7,263.39	6,918.13	38.08	37.31	-57.43	-225.51	736.92	510.43	450.28	60.15	8.486		
7,550.00	7,205.61	7,300.00	6,926.62	38.55	37.73	-56.62	-225.97	701.32	514.44	453.84	60.59	8.490		
7,600.00	7,219.20	7,330.83	6,932.17	39.06	38.10	-56.04	-226.29	671.00	517.52	456.31	61.21	8.455		
7,650.00	7,229.00	7,364.43	6,936.55	39.61	38.52	-55.61	-226.57	637.69	519.68	457.66	62.02	8.379		
7,700.00	7,234.95	7,400.00	6,939.26	40.18	38.97	-55.35	-226.81	602.23	520.91	457.91	63.00	8.268		
7,750.07	7,237.00	7,432.74	6,940.01	40.78	39.39	-55.26	-226.95	569.50	521.16	456.98	64.17	8.121		
7,800.00	7,237.09	7,482.67	6,940.14	41.41	40.07	-55.24	-227.14	519.57	520.82	455.52	65.30	7.976		
7,900.00	7,237.28	7,582.67	6,940.41	42.79	41.54	-55.20	-227.52	419.57	520.14	452.39	67.76	7.677		
8,000.00	7,237.47	7,682.67	6,940.68	44.31	43.15	-55.15	-227.89	319.58	519.47	449.02	70.45	7.373		
8,100.00	7,237.65	7,782.66	6,940.94	45.97	44.89	-55.11	-228.27	219.58	518.80	445.43	73.36	7.072		
8,200.00	7,237.84	7,882.66	6,941.21	47.75	46.73	-55.07	-228.64	119.59	518.12	441.66	76.46	6.776		
8,300.00	7,238.02	7,982.66	6,941.47	49.63	48.67	-55.03	-229.02	19.59	517.45	437.72	79.73	6.490		
8,400.00	7,238.21	8,082.65	6,941.74	51.61	50.71	-54.99	-229.39	-80.41	516.78	433.63	83.14	6.216		
8,500.00	7,238.40	8,182.65	6,942.01	53.66	52.81	-54.95	-229.77	-180.40	516.10	429.42	86.68	5.954		
8,600.00	7,238.58	8,282.65	6,942.27	55.79	54.99	-54.91	-230.14	-280.40	515.43	425.10	90.33	5.706		
8,700.00	7,238.77	8,382.65	6,942.54	57.99	57.23	-54.86	-230.52	-380.39	514.76	420.67	94.08	5.471		
8,800.00	7,238.96	8,482.64	6,942.80	60.24	59.52	-54.82	-230.89	-480.39	514.08	416.16	97.92	5.250		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	8,582.64	6,943.07	62.54	61.86	54.78	-231.27	-580.39	513.41	411.58	101.84	5.042		
9,000.00	7,239.33	8,682.64	6,943.34	64.88	64.24	54.74	-231.65	-680.38	512.74	406.92	105.82	4.846		
9,100.00	7,239.52	8,782.63	6,943.60	67.27	66.66	54.70	-232.02	-780.38	512.07	402.21	109.86	4.661		
9,200.00	7,239.70	8,882.63	6,943.87	69.69	69.11	54.65	-232.40	-880.37	511.40	397.45	113.95	4.488		
9,300.00	7,239.89	8,982.63	6,944.13	72.15	71.59	54.61	-232.77	-980.37	510.73	392.64	118.09	4.325		
9,400.00	7,240.07	9,082.63	6,944.40	74.63	74.10	54.57	-233.15	-1,080.37	510.06	387.79	122.27	4.172		
9,500.00	7,240.26	9,182.62	6,944.67	77.14	76.63	54.53	-233.52	-1,180.36	509.39	382.90	126.49	4.027		
9,600.00	7,240.45	9,282.62	6,944.93	79.68	79.19	54.48	-233.90	-1,280.36	508.72	377.98	130.74	3.891		
9,700.00	7,240.63	9,382.62	6,945.20	82.23	81.77	54.44	-234.27	-1,380.35	508.05	373.03	135.02	3.763		
9,800.00	7,240.82	9,482.61	6,945.46	84.81	84.36	54.40	-234.65	-1,480.35	507.38	368.06	139.32	3.642		
9,900.00	7,241.01	9,582.61	6,945.73	87.40	86.97	54.36	-235.02	-1,580.35	506.71	363.06	143.65	3.527		
10,000.00	7,241.19	9,682.61	6,946.00	90.01	89.60	54.31	-235.40	-1,680.34	506.04	358.05	147.99	3.419		
10,100.00	7,241.38	9,782.60	6,946.26	92.64	92.24	54.27	-235.77	-1,780.34	505.37	353.01	152.36	3.317		
10,200.00	7,241.56	9,882.60	6,946.53	95.28	94.89	54.23	-236.15	-1,880.33	504.70	347.96	156.74	3.220		
10,300.00	7,241.75	9,982.60	6,946.79	97.93	97.55	54.18	-236.52	-1,980.33	504.04	342.89	161.14	3.128		
10,400.00	7,241.94	10,082.60	6,947.06	100.59	100.23	54.14	-236.90	-2,080.33	503.37	337.82	165.55	3.041		
10,500.00	7,242.12	10,182.59	6,947.33	103.26	102.91	54.09	-237.28	-2,180.32	502.70	332.73	169.97	2.958		
10,600.00	7,242.31	10,282.59	6,947.59	105.95	105.61	54.05	-237.65	-2,280.32	502.03	327.63	174.41	2.879		
10,700.00	7,242.50	10,382.59	6,947.86	108.64	108.31	54.01	-238.03	-2,380.31	501.37	322.52	178.85	2.803		
10,800.00	7,242.68	10,482.58	6,948.12	111.34	111.02	53.96	-238.40	-2,480.31	500.70	317.40	183.30	2.732		
10,900.00	7,242.87	10,582.58	6,948.39	114.05	113.74	53.92	-238.78	-2,580.31	500.03	312.28	187.75	2.663		
11,000.00	7,243.05	10,682.58	6,948.66	116.76	116.46	53.87	-239.15	-2,680.30	499.37	307.15	192.22	2.598		
11,100.00	7,243.24	10,782.57	6,948.92	119.49	119.19	53.83	-239.53	-2,780.30	498.70	302.02	196.69	2.536		
11,200.00	7,243.43	10,882.57	6,949.19	122.22	121.93	53.78	-239.90	-2,880.29	498.04	296.88	201.16	2.476		
11,300.00	7,243.61	10,982.57	6,949.45	124.95	124.67	53.74	-240.28	-2,980.29	497.37	291.74	205.64	2.419		
11,400.00	7,243.80	11,082.57	6,949.72	127.69	127.42	53.70	-240.65	-3,080.29	496.71	286.59	210.12	2.364		
11,500.00	7,243.99	11,182.56	6,949.99	130.44	130.17	53.65	-241.03	-3,180.28	496.04	281.44	214.60	2.311		
11,600.00	7,244.17	11,282.56	6,950.25	133.19	132.93	53.60	-241.40	-3,280.28	495.38	276.29	219.09	2.261		
11,700.00	7,244.36	11,382.56	6,950.52	135.94	135.69	53.56	-241.78	-3,380.27	494.72	271.14	223.58	2.213		
11,800.00	7,244.55	11,482.55	6,950.79	138.70	138.45	53.51	-242.15	-3,480.27	494.05	265.99	228.07	2.166		
11,900.00	7,244.73	11,582.55	6,951.05	141.47	141.22	53.47	-242.53	-3,580.27	493.39	260.83	232.56	2.122		
12,000.00	7,244.92	11,682.55	6,951.32	144.24	144.00	53.42	-242.90	-3,680.26	492.73	255.68	237.05	2.079		
12,100.00	7,245.10	11,782.55	6,951.58	147.01	146.77	53.38	-243.28	-3,780.26	492.06	250.52	241.54	2.037		
12,200.00	7,245.29	11,882.54	6,951.85	149.78	149.55	53.33	-243.66	-3,880.25	491.40	245.37	246.03	1.997		
12,300.00	7,245.48	11,982.54	6,952.12	152.56	152.33	53.29	-244.03	-3,980.25	490.74	240.22	250.52	1.959		
12,400.00	7,245.66	12,082.54	6,952.38	155.34	155.12	53.24	-244.41	-4,080.25	490.08	235.06	255.01	1.922		
12,500.00	7,245.85	12,182.53	6,952.65	158.12	157.90	53.19	-244.78	-4,180.24	489.42	229.91	259.50	1.886		
12,600.00	7,246.04	12,282.53	6,952.91	160.91	160.69	53.15	-245.16	-4,280.24	488.76	224.76	263.99	1.851		
12,700.00	7,246.22	12,382.53	6,953.18	163.70	163.48	53.10	-245.53	-4,380.23	488.09	219.61	268.48	1.818		
12,800.00	7,246.41	12,482.52	6,953.45	166.49	166.28	53.05	-245.91	-4,480.23	487.43	214.47	272.97	1.786		
12,900.00	7,246.59	12,582.52	6,953.71	169.28	169.07	53.01	-246.28	-4,580.23	486.77	209.32	277.45	1.754		
13,000.00	7,246.78	12,682.52	6,953.98	172.08	171.87	52.96	-246.66	-4,680.22	486.11	204.18	281.93	1.724		
13,100.00	7,246.97	12,782.52	6,954.24	174.88	174.67	52.91	-247.03	-4,780.22	485.46	199.04	286.41	1.695		
13,200.00	7,247.15	12,882.51	6,954.51	177.68	177.47	52.87	-247.41	-4,880.21	484.80	193.91	290.89	1.667		
13,300.00	7,247.34	12,982.51	6,954.78	180.48	180.28	52.82	-247.78	-4,980.21	484.14	188.77	295.37	1.639		
13,400.00	7,247.53	13,082.51	6,955.04	183.28	183.08	52.77	-248.16	-5,080.21	483.48	183.64	299.84	1.612		
13,500.00	7,247.71	13,182.50	6,955.31	186.09	185.89	52.72	-248.53	-5,180.20	482.82	178.51	304.31	1.587		
13,600.00	7,247.90	13,282.50	6,955.57	188.90	188.70	52.68	-248.91	-5,280.20	482.16	173.39	308.77	1.562		
13,700.00	7,248.08	13,382.50	6,955.84	191.70	191.51	52.63	-249.28	-5,380.19	481.51	168.27	313.24	1.537		
13,800.00	7,248.27	13,482.49	6,956.11	194.52	194.32	52.58	-249.66	-5,480.19	480.85	163.15	317.70	1.514		
13,900.00	7,248.46	13,582.49	6,956.37	197.33	197.14	52.53	-250.04	-5,580.19	480.19	158.04	322.15	1.491 Level 3		
14,000.00	7,248.64	13,682.49	6,956.64	200.14	199.95	52.49	-250.41	-5,680.18	479.54	152.93	326.61	1.468 Level 3		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	13,782.49	6,956.90	202.95	202.77	52.44	-250.79	-5,780.18	478.88	147.82	331.06	1.447 Level 3		
14,200.00	7,249.02	13,882.48	6,957.17	205.77	205.58	52.39	-251.16	-5,880.17	478.22	142.72	335.50	1.425 Level 3		
14,300.00	7,249.20	13,982.48	6,957.44	208.59	208.40	52.34	-251.54	-5,980.17	477.57	137.62	339.95	1.405 Level 3		
14,400.00	7,249.39	14,082.48	6,957.70	211.41	211.22	52.29	-251.91	-6,080.17	476.91	132.53	344.38	1.385 Level 3		
14,500.00	7,249.58	14,182.47	6,957.97	214.23	214.04	52.24	-252.29	-6,180.16	476.26	127.44	348.82	1.365 Level 3		
14,600.00	7,249.76	14,282.47	6,958.23	217.05	216.86	52.19	-252.66	-6,280.16	475.61	122.36	353.25	1.346 Level 3		
14,700.00	7,249.95	14,382.47	6,958.50	219.87	219.68	52.15	-253.04	-6,380.15	474.95	117.28	357.67	1.328 Level 3		
14,800.00	7,250.13	14,482.47	6,958.77	222.69	222.51	52.10	-253.41	-6,480.15	474.30	112.21	362.09	1.310 Level 3		
14,900.00	7,250.32	14,582.46	6,959.03	225.51	225.33	52.05	-253.79	-6,580.15	473.64	107.14	366.51	1.292 Level 3		
15,000.00	7,250.51	14,682.46	6,959.30	228.34	228.15	52.00	-254.16	-6,680.14	472.99	102.07	370.92	1.275 Level 3		
15,100.00	7,250.69	14,782.46	6,959.56	231.16	230.98	51.95	-254.54	-6,780.14	472.34	97.01	375.33	1.258 Level 3		
15,200.00	7,250.88	14,882.45	6,959.83	233.99	233.81	51.90	-254.91	-6,880.13	471.69	91.96	379.73	1.242 Level 2		
15,300.00	7,251.07	14,982.45	6,960.10	236.82	236.63	51.85	-255.29	-6,980.13	471.04	86.91	384.13	1.226 Level 2		
15,400.00	7,251.25	15,082.45	6,960.36	239.65	239.46	51.80	-255.67	-7,080.13	470.38	81.86	388.52	1.211 Level 2		
15,500.00	7,251.44	15,182.44	6,960.63	242.47	242.29	51.75	-256.04	-7,180.12	469.73	76.82	392.91	1.196 Level 2		
15,600.00	7,251.62	15,282.44	6,960.90	245.30	245.12	51.70	-256.42	-7,280.12	469.08	71.79	397.29	1.181 Level 2		
15,700.00	7,251.81	15,382.44	6,961.16	248.13	247.95	51.65	-256.79	-7,380.11	468.43	66.76	401.67	1.166 Level 2		
15,800.00	7,252.00	15,482.44	6,961.43	250.97	250.78	51.60	-257.17	-7,480.11	467.78	61.74	406.04	1.152 Level 2		
15,900.00	7,252.18	15,582.43	6,961.69	253.80	253.61	51.55	-257.54	-7,580.11	467.13	56.72	410.41	1.138 Level 2		
16,000.00	7,252.37	15,682.43	6,961.96	256.63	256.44	51.50	-257.92	-7,680.10	466.48	51.71	414.77	1.125 Level 2		
16,100.00	7,252.56	15,782.43	6,962.23	259.46	259.28	51.44	-258.29	-7,780.10	465.83	46.70	419.13	1.111 Level 2		
16,200.00	7,252.74	15,882.42	6,962.49	262.30	262.11	51.39	-258.67	-7,880.09	465.19	41.70	423.48	1.098 Level 2		
16,300.00	7,252.93	15,982.42	6,962.76	265.13	264.94	51.34	-259.04	-7,980.09	464.54	36.71	427.83	1.086 Level 2		
16,400.00	7,253.11	16,082.42	6,963.02	267.96	267.78	51.29	-259.42	-8,080.08	463.89	31.72	432.17	1.073 Level 2		
16,500.00	7,253.30	16,182.41	6,963.29	270.80	270.61	51.24	-259.79	-8,180.08	463.24	26.74	436.50	1.061 Level 2		
16,600.00	7,253.49	16,282.41	6,963.56	273.64	273.45	51.19	-260.17	-8,280.08	462.59	21.76	440.83	1.049 Level 2		
16,700.00	7,253.67	16,382.41	6,963.82	276.47	276.28	51.14	-260.54	-8,380.07	461.95	16.79	445.16	1.038 Level 2		
16,800.00	7,253.86	16,482.41	6,964.09	279.31	279.12	51.08	-260.92	-8,480.07	461.30	11.83	449.47	1.026 Level 2		
16,900.00	7,254.05	16,582.40	6,964.35	282.15	281.96	51.03	-261.29	-8,580.06	460.66	6.87	453.79	1.015 Level 2		
17,000.00	7,254.23	16,682.40	6,964.62	284.98	284.79	50.98	-261.67	-8,680.06	460.01	1.92	458.09	1.004 Level 2		
17,100.00	7,254.42	16,782.40	6,964.89	287.82	287.63	50.93	-262.05	-8,780.06	459.37	-3.03	462.39	0.993 Level 1		
17,200.00	7,254.61	16,882.39	6,965.15	290.66	290.47	50.87	-262.42	-8,880.05	458.72	-7.96	466.69	0.983 Level 1		
17,300.00	7,254.79	16,982.39	6,965.42	293.50	293.31	50.82	-262.80	-8,980.05	458.08	-12.90	470.97	0.973 Level 1		
17,400.00	7,254.98	17,082.39	6,965.68	296.34	296.15	50.77	-263.17	-9,080.04	457.43	-17.82	475.26	0.962 Level 1		
17,500.00	7,255.16	17,182.39	6,965.95	299.18	298.98	50.72	-263.55	-9,180.04	456.79	-22.74	479.53	0.953 Level 1		
17,600.00	7,255.35	17,282.38	6,966.22	302.02	301.82	50.66	-263.92	-9,280.04	456.15	-27.65	483.80	0.943 Level 1		
17,700.00	7,255.54	17,382.38	6,966.48	304.86	304.66	50.61	-264.30	-9,380.03	455.50	-32.56	488.06	0.933 Level 1		
17,800.00	7,255.72	17,482.38	6,966.75	307.70	307.50	50.56	-264.67	-9,480.03	454.86	-37.46	492.32	0.924 Level 1		
17,900.00	7,255.91	17,582.37	6,967.01	310.54	310.34	50.50	-265.05	-9,580.02	454.22	-42.35	496.57	0.915 Level 1		
18,000.00	7,256.10	17,682.37	6,967.28	313.39	313.19	50.45	-265.42	-9,680.02	453.58	-47.24	500.81	0.906 Level 1		
18,100.00	7,256.28	17,782.37	6,967.55	316.23	316.03	50.39	-265.80	-9,780.02	452.94	-52.11	505.05	0.897 Level 1		
18,200.00	7,256.47	17,882.36	6,967.81	319.07	318.87	50.34	-266.17	-9,880.01	452.29	-56.99	509.28	0.888 Level 1		
18,300.00	7,256.65	17,982.36	6,968.08	321.91	321.71	50.29	-266.55	-9,980.01	451.65	-61.85	513.50	0.880 Level 1		
18,400.00	7,256.84	18,082.36	6,968.34	324.76	324.55	50.23	-266.92	-10,080.00	451.01	-66.71	517.72	0.871 Level 1		
18,500.00	7,257.03	18,182.36	6,968.61	327.60	327.39	50.18	-267.30	-10,180.00	450.37	-71.56	521.93	0.863 Level 1		
18,600.00	7,257.21	18,282.35	6,968.88	330.44	330.24	50.12	-267.67	-10,280.00	449.74	-76.40	526.13	0.855 Level 1		
18,700.00	7,257.40	18,382.35	6,969.14	333.29	333.08	50.07	-268.05	-10,379.99	449.10	-81.24	530.33	0.847 Level 1		
18,800.00	7,257.59	18,482.35	6,969.41	336.13	335.92	50.01	-268.43	-10,479.99	448.46	-86.06	534.52	0.839 Level 1		
18,900.00	7,257.77	18,582.34	6,969.67	338.98	338.77	49.96	-268.80	-10,579.98	447.82	-90.88	538.70	0.831 Level 1		
19,000.00	7,257.96	18,682.34	6,969.94	341.82	341.61	49.90	-269.18	-10,679.98	447.18	-95.70	542.88	0.824 Level 1		
19,022.43	7,258.00	18,704.77	6,970.00	342.46	342.25	49.89	-269.26	-10,702.41	447.04	-96.78	543.82	0.822 Level 1, ES, SF		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	29.87	0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	29.87	0.28	29.87	23.30	6.57	4.547		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	29.87	0.28	29.87	23.20	6.67	4.476		
300.00	300.00	300.00	300.00	3.44	3.44	0.53	29.87	0.28	29.87	22.98	6.89	4.335 CC		
400.00	399.98	400.09	400.07	3.60	3.60	-115.15	29.70	2.02	30.47	23.27	7.20	4.233		
500.00	499.84	500.15	499.99	3.79	3.80	-114.26	29.20	7.23	32.27	24.68	7.59	4.253		
600.00	599.45	600.17	599.62	4.03	4.04	-112.97	28.36	15.92	35.29	27.23	8.06	4.378		
700.00	698.70	700.12	698.82	4.30	4.31	-111.50	27.19	28.05	39.53	30.92	8.61	4.591		
800.00	797.47	799.97	797.44	4.61	4.62	-110.00	25.69	43.59	44.99	35.77	9.23	4.877		
900.00	895.62	899.72	895.34	4.96	4.96	-108.59	23.86	62.53	51.69	41.78	9.91	5.215		
939.50	934.20	939.08	933.79	5.10	5.11	-108.07	23.05	70.94	54.67	44.47	10.20	5.360		
1,000.00	993.20	1,000.65	992.44	5.33	5.35	-106.88	21.72	84.77	59.42	48.75	10.66	5.571		
1,100.00	1,090.72	1,100.99	1,089.29	5.73	5.75	-104.85	19.47	108.12	67.35	55.88	11.47	5.872		
1,200.00	1,188.24	1,201.33	1,186.15	6.15	6.18	-103.25	17.21	131.48	75.35	63.04	12.32	6.118		
1,300.00	1,285.76	1,301.67	1,283.01	6.59	6.62	-101.96	14.96	154.83	83.40	70.21	13.19	6.322		
1,400.00	1,383.28	1,402.01	1,379.87	7.04	7.08	-100.89	12.71	178.19	91.48	77.38	14.09	6.490		
1,500.00	1,480.80	1,497.65	1,476.73	7.50	7.53	-100.00	10.46	201.55	99.59	84.59	15.00	6.641		
1,600.00	1,578.31	1,602.69	1,573.58	7.96	8.03	-99.24	8.20	224.90	107.71	91.76	15.96	6.749		
1,700.00	1,675.83	1,703.03	1,670.44	8.44	8.51	-98.59	5.95	248.26	115.86	98.94	16.91	6.850		
1,800.00	1,773.35	1,796.63	1,767.30	8.92	8.97	-98.03	3.70	271.61	124.02	106.17	17.85	6.948		
1,900.00	1,870.87	1,903.72	1,864.16	9.40	9.50	-97.53	1.45	294.97	132.18	113.32	18.86	7.009		
2,000.00	1,968.39	2,004.06	1,961.02	9.89	10.00	-97.09	-0.81	318.32	140.36	120.51	19.85	7.072		
2,100.00	2,065.91	2,104.40	2,057.88	10.39	10.51	-96.71	-3.06	341.68	148.54	127.70	20.84	7.128		
2,200.00	2,163.43	2,204.74	2,154.73	10.88	11.02	-96.36	-5.31	365.04	156.73	134.89	21.84	7.176		
2,300.00	2,260.95	2,305.08	2,251.59	11.38	11.53	-96.04	-7.57	388.39	164.93	142.08	22.85	7.219		
2,400.00	2,358.46	2,405.42	2,348.45	11.89	12.04	-95.76	-9.82	411.75	173.13	149.27	23.86	7.256		
2,500.00	2,455.98	2,505.76	2,445.31	12.39	12.56	-95.50	-12.07	435.10	181.33	156.46	24.87	7.290		
2,600.00	2,553.50	2,606.10	2,542.17	12.89	13.07	-95.26	-14.32	458.46	189.54	163.64	25.89	7.320		
2,700.00	2,651.02	2,706.44	2,639.02	13.40	13.59	-95.05	-16.58	481.81	197.75	170.83	26.92	7.347		
2,800.00	2,748.54	2,806.78	2,735.88	13.91	14.11	-94.85	-18.83	505.17	205.96	178.02	27.94	7.371		
2,900.00	2,846.06	2,907.12	2,832.74	14.42	14.64	-94.66	-21.08	528.53	214.17	185.20	28.97	7.393		
3,000.00	2,943.58	3,007.46	2,929.60	14.93	15.16	-94.49	-23.33	551.88	222.39	192.39	30.00	7.413		
3,100.00	3,041.10	3,107.80	3,026.46	15.45	15.69	-94.33	-25.59	575.24	230.61	199.58	31.03	7.431		
3,200.00	3,138.61	3,191.86	3,123.32	15.96	16.13	-94.19	-27.84	598.59	238.83	206.85	31.98	7.468		
3,300.00	3,236.13	3,291.52	3,220.17	16.47	16.65	-94.05	-30.09	621.95	247.05	214.03	33.01	7.483		
3,400.00	3,333.65	3,408.82	3,317.03	16.99	17.27	-93.92	-32.35	645.31	255.27	221.13	34.14	7.477		
3,500.00	3,431.17	3,509.16	3,413.89	17.50	17.79	-93.80	-34.60	668.66	263.49	228.31	35.18	7.490		
3,600.00	3,528.69	3,609.50	3,510.75	18.02	18.32	-93.69	-36.85	692.02	271.72	235.50	36.22	7.502		
3,700.00	3,626.21	3,690.16	3,607.61	18.54	18.75	-93.58	-39.10	715.37	279.95	242.79	37.16	7.534		
3,800.00	3,723.73	3,789.82	3,704.46	19.06	19.28	-93.48	-41.36	738.73	288.17	249.97	38.20	7.544		
3,900.00	3,821.25	3,889.48	3,801.32	19.57	19.80	-93.38	-43.61	762.08	296.40	257.16	39.24	7.554		
4,000.00	3,918.77	3,989.14	3,898.18	20.09	20.33	-93.29	-45.86	785.44	304.63	264.35	40.28	7.563		
4,100.00	4,016.28	4,088.80	3,995.04	20.61	20.86	-93.21	-48.11	808.80	312.86	271.53	41.32	7.571		
4,200.00	4,113.80	4,188.46	4,091.90	21.13	21.39	-93.13	-50.37	832.15	321.09	278.72	42.37	7.579		
4,300.00	4,211.32	4,288.12	4,188.76	21.65	21.92	-93.05	-52.62	855.51	329.32	285.91	43.41	7.586		
4,400.00	4,308.84	4,387.78	4,285.61	22.17	22.44	-92.98	-54.87	878.86	337.55	293.09	44.45	7.593		
4,500.00	4,406.36	4,487.44	4,382.47	22.69	22.97	-92.91	-57.13	902.22	345.78	300.28	45.50	7.600		
4,600.00	4,503.88	4,587.10	4,479.33	23.21	23.50	-92.84	-59.38	925.57	354.01	307.47	46.55	7.606		
4,700.00	4,601.40	4,686.76	4,576.19	23.73	24.03	-92.78	-61.63	948.93	362.24	314.65	47.59	7.611		
4,800.00	4,698.92	4,786.42	4,673.05	24.26	24.56	-92.72	-63.88	972.29	370.48	321.84	48.64	7.617		
4,900.00	4,796.43	4,886.08	4,769.90	24.78	25.09	-92.66	-66.14	995.64	378.71	329.02	49.69	7.622		
5,000.00	4,893.95	4,985.74	4,866.76	25.30	25.63	-92.60	-68.39	1,019.00	386.94	336.21	50.73	7.627		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,085.40	4,963.62	25.82	26.16	-92.55	-70.64	1,042.35	395.18	343.39	51.78	7.631		
5,200.00	5,088.99	5,185.06	5,060.48	26.34	26.69	-92.50	-72.90	1,065.71	403.41	350.58	52.83	7.636		
5,300.00	5,186.51	5,284.72	5,157.34	26.87	27.22	-92.45	-75.15	1,089.06	411.65	357.76	53.88	7.640		
5,400.00	5,284.03	5,384.38	5,254.20	27.39	27.75	-92.40	-77.40	1,112.42	419.88	364.95	54.93	7.644		
5,500.00	5,381.55	5,485.28	5,352.29	27.91	28.29	-92.38	-79.67	1,135.94	428.08	372.08	55.99	7.645		
5,600.00	5,479.07	5,589.70	5,454.42	28.43	28.82	-92.69	-81.76	1,157.59	435.48	378.41	57.07	7.631		
5,700.00	5,576.58	5,693.99	5,557.13	28.96	29.32	-93.47	-83.48	1,175.50	441.85	383.74	58.11	7.604		
5,800.00	5,674.10	5,797.86	5,660.03	29.48	29.79	-94.69	-84.85	1,189.63	447.31	388.21	59.11	7.568		
5,900.00	5,771.62	5,901.06	5,762.69	30.00	30.24	-96.33	-85.85	1,199.98	452.09	392.03	60.07	7.527		
6,000.00	5,869.14	6,003.32	5,864.73	30.53	30.65	-98.36	-86.48	1,206.60	456.47	395.49	60.98	7.486		
6,100.00	5,966.66	6,104.39	5,965.76	31.05	31.03	-100.76	-86.77	1,209.57	460.79	398.95	61.85	7.451		
6,200.00	6,064.18	6,202.82	6,064.18	31.58	31.39	-103.37	-86.79	1,209.78	465.57	402.92	62.65	7.431		
6,300.00	6,161.70	6,300.33	6,161.70	32.10	31.74	-105.93	-86.79	1,209.78	471.30	407.88	63.43	7.431		
6,400.00	6,259.22	6,402.15	6,259.22	32.62	32.10	-108.43	-86.79	1,209.78	477.99	413.79	64.20	7.446		
6,500.00	6,356.74	6,504.63	6,356.74	33.15	32.48	-110.85	-86.79	1,209.78	485.60	420.64	64.96	7.476		
6,600.00	6,454.25	6,593.98	6,455.33	33.67	32.80	-113.32	-86.80	1,208.98	494.05	428.40	65.65	7.526		
6,623.48	6,477.15	6,617.17	6,478.47	33.80	32.88	-114.04	-86.80	1,207.39	496.12	430.32	65.80	7.540		
6,650.00	6,503.12	6,642.95	6,504.10	33.93	32.97	-120.70	-86.82	1,204.64	498.56	432.59	65.96	7.558		
6,700.00	6,552.50	6,690.77	6,551.25	34.16	33.14	-141.58	-86.86	1,196.80	503.46	437.23	66.24	7.601		
6,750.00	6,602.21	6,737.63	6,596.77	34.36	33.31	178.44	-86.92	1,185.71	508.74	442.27	66.47	7.653		
6,800.00	6,651.92	6,783.61	6,640.52	34.54	33.49	137.64	-86.99	1,171.60	514.32	447.65	66.68	7.714		
6,850.00	6,701.33	6,828.78	6,682.41	34.70	33.68	116.18	-87.08	1,154.70	520.14	453.28	66.86	7.779		
6,900.00	6,750.14	6,873.22	6,722.34	34.86	33.89	104.95	-87.18	1,135.22	526.13	459.09	67.03	7.849		
6,950.00	6,798.04	6,916.99	6,760.24	35.02	34.10	98.02	-87.30	1,113.35	532.20	465.00	67.20	7.920		
7,000.00	6,844.75	6,960.15	6,796.06	35.19	34.33	93.17	-87.42	1,089.29	538.30	470.93	67.36	7.991		
7,050.00	6,889.97	7,002.76	6,829.75	35.37	34.57	89.47	-87.56	1,063.21	544.34	476.81	67.53	8.061		
7,100.00	6,933.42	7,044.86	6,861.24	35.57	34.84	86.50	-87.71	1,035.29	550.26	482.55	67.71	8.126		
7,150.00	6,974.83	7,086.51	6,890.52	35.79	35.12	84.04	-87.86	1,005.67	555.99	488.07	67.92	8.186		
7,200.00	7,013.96	7,127.76	6,917.54	36.02	35.43	81.95	-88.02	974.52	561.48	493.31	68.16	8.237		
7,250.00	7,050.56	7,168.64	6,942.28	36.28	35.75	80.16	-88.19	941.98	566.65	498.20	68.45	8.278		
7,300.00	7,084.39	7,209.20	6,964.71	36.57	36.10	78.62	-88.37	908.20	571.46	502.66	68.80	8.306		
7,350.00	7,115.27	7,250.00	6,985.06	36.89	36.47	77.29	-88.56	872.84	575.86	506.63	69.23	8.318		
7,400.00	7,142.99	7,289.49	7,002.55	37.25	36.87	76.16	-88.74	837.44	579.81	510.07	69.74	8.314		
7,450.00	7,167.38	7,329.30	7,017.94	37.65	37.29	75.20	-88.93	800.73	583.26	512.92	70.34	8.292		
7,500.00	7,188.30	7,368.92	7,030.94	38.08	37.73	74.40	-89.13	763.31	586.19	515.14	71.05	8.251		
7,550.00	7,205.61	7,408.39	7,041.55	38.55	38.19	73.75	-89.33	725.31	588.57	516.71	71.86	8.191		
7,600.00	7,219.20	7,447.73	7,049.77	39.06	38.67	73.26	-89.53	686.84	590.36	517.59	72.77	8.113		
7,650.00	7,229.00	7,486.97	7,055.58	39.61	39.17	72.90	-89.73	648.04	591.56	517.77	73.79	8.017		
7,700.00	7,234.95	7,526.14	7,058.99	40.18	39.67	72.68	-89.94	609.02	592.16	517.26	74.90	7.906		
7,750.07	7,237.00	7,566.65	7,060.01	40.78	40.21	72.61	-90.15	568.53	592.13	516.04	76.09	7.782		
7,800.00	7,237.09	7,616.59	7,060.13	41.41	40.91	72.60	-90.41	518.60	591.69	514.30	77.39	7.645		
7,900.00	7,237.28	7,716.58	7,060.36	42.79	42.41	72.57	-90.94	418.60	590.80	510.61	80.20	7.367		
8,000.00	7,237.47	7,816.58	7,060.59	44.31	44.04	72.55	-91.46	318.61	589.91	506.65	83.27	7.085		
8,100.00	7,237.65	7,916.57	7,060.82	45.97	45.79	72.53	-91.98	218.62	589.03	502.45	86.58	6.804		
8,200.00	7,237.84	8,016.57	7,061.05	47.75	47.65	72.51	-92.51	118.62	588.14	498.05	90.10	6.528		
8,300.00	7,238.02	8,116.57	7,061.28	49.63	49.60	72.48	-93.03	18.63	587.26	493.45	93.81	6.260		
8,400.00	7,238.21	8,216.56	7,061.51	51.61	51.64	72.46	-93.56	-81.37	586.37	488.69	97.68	6.003		
8,500.00	7,238.40	8,316.56	7,061.74	53.66	53.76	72.44	-94.08	-181.36	585.49	483.78	101.70	5.757		
8,600.00	7,238.58	8,416.55	7,061.97	55.79	55.94	72.41	-94.60	-281.35	584.60	478.74	105.86	5.523		
8,700.00	7,238.77	8,516.55	7,062.20	57.99	58.18	72.39	-95.13	-381.35	583.72	473.59	110.12	5.301		
8,800.00	7,238.96	8,616.54	7,062.43	60.24	60.47	72.37	-95.65	-481.34	582.83	468.34	114.49	5.091		
8,900.00	7,239.14	8,716.54	7,062.66	62.54	62.81	72.34	-96.18	-581.34	581.95	462.99	118.95	4.892		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	8,816.54	7,062.89	64.88	65.19	72.32	-96.70	-681.33	581.06	457.57	123.49	4.705		
9,100.00	7,239.52	8,916.53	7,063.12	67.27	67.61	72.30	-97.22	-781.33	580.18	452.07	128.11	4.529		
9,200.00	7,239.70	9,016.53	7,063.35	69.69	70.06	72.28	-97.75	-881.32	579.29	446.51	132.78	4.363		
9,300.00	7,239.89	9,116.52	7,063.59	72.15	72.54	72.25	-98.27	-981.31	578.41	440.89	137.52	4.206		
9,400.00	7,240.07	9,216.52	7,063.82	74.63	75.04	72.23	-98.80	-1,081.31	577.52	435.22	142.30	4.058		
9,500.00	7,240.26	9,316.52	7,064.05	77.14	77.58	72.20	-99.32	-1,181.30	576.64	429.50	147.14	3.919		
9,600.00	7,240.45	9,416.51	7,064.28	79.68	80.13	72.18	-99.84	-1,281.30	575.75	423.74	152.01	3.788		
9,700.00	7,240.63	9,516.51	7,064.51	82.23	82.70	72.16	-100.37	-1,381.29	574.87	417.95	156.92	3.663		
9,800.00	7,240.82	9,616.50	7,064.74	84.81	85.30	72.13	-100.89	-1,481.28	573.98	412.12	161.87	3.546		
9,900.00	7,241.01	9,716.50	7,064.97	87.40	87.90	72.11	-101.42	-1,581.28	573.10	406.25	166.85	3.435		
10,000.00	7,241.19	9,816.49	7,065.20	90.01	90.53	72.09	-101.94	-1,681.27	572.22	400.36	171.85	3.330		
10,100.00	7,241.38	9,916.49	7,065.43	92.64	93.16	72.06	-102.46	-1,781.27	571.33	394.45	176.88	3.230		
10,200.00	7,241.56	10,016.49	7,065.66	95.28	95.81	72.04	-102.99	-1,881.26	570.45	388.51	181.94	3.135		
10,300.00	7,241.75	10,116.48	7,065.89	97.93	98.48	72.01	-103.51	-1,981.26	569.56	382.55	187.01	3.046		
10,400.00	7,241.94	10,216.48	7,066.12	100.59	101.15	71.99	-104.04	-2,081.25	568.68	376.57	192.11	2.960		
10,500.00	7,242.12	10,316.47	7,066.35	103.26	103.83	71.97	-104.56	-2,181.24	567.80	370.58	197.22	2.879		
10,600.00	7,242.31	10,416.47	7,066.58	105.95	106.52	71.94	-105.08	-2,281.24	566.91	364.56	202.35	2.802		
10,700.00	7,242.50	10,516.47	7,066.81	108.64	109.22	71.92	-105.61	-2,381.23	566.03	358.54	207.50	2.728		
10,800.00	7,242.68	10,616.46	7,067.04	111.34	111.93	71.89	-106.13	-2,481.23	565.15	352.49	212.65	2.658		
10,900.00	7,242.87	10,716.46	7,067.27	114.05	114.65	71.87	-106.66	-2,581.22	564.26	346.44	217.83	2.590		
11,000.00	7,243.05	10,816.45	7,067.50	116.76	117.37	71.84	-107.18	-2,681.21	563.38	340.37	223.01	2.526		
11,100.00	7,243.24	10,916.45	7,067.74	119.49	120.10	71.82	-107.70	-2,781.21	562.50	334.30	228.20	2.465		
11,200.00	7,243.43	11,016.44	7,067.97	122.22	122.83	71.79	-108.23	-2,881.20	561.62	328.21	233.41	2.406		
11,300.00	7,243.61	11,116.44	7,068.20	124.95	125.57	71.77	-108.75	-2,981.20	560.73	322.11	238.62	2.350		
11,400.00	7,243.80	11,216.44	7,068.43	127.69	128.32	71.74	-109.28	-3,081.19	559.85	316.01	243.84	2.296		
11,500.00	7,243.99	11,316.43	7,068.66	130.44	131.06	71.72	-109.80	-3,181.19	558.97	309.90	249.07	2.244		
11,600.00	7,244.17	11,416.43	7,068.89	133.19	133.82	71.69	-110.32	-3,281.18	558.09	303.78	254.31	2.195		
11,700.00	7,244.36	11,516.42	7,069.12	135.94	136.58	71.67	-110.85	-3,381.17	557.20	297.65	259.55	2.147		
11,800.00	7,244.55	11,616.42	7,069.35	138.70	139.34	71.64	-111.37	-3,481.17	556.32	291.52	264.80	2.101		
11,900.00	7,244.73	11,716.41	7,069.58	141.47	142.11	71.62	-111.90	-3,581.16	555.44	285.38	270.06	2.057		
12,000.00	7,244.92	11,816.41	7,069.81	144.24	144.88	71.59	-112.42	-3,681.16	554.56	279.24	275.32	2.014		
12,100.00	7,245.10	11,916.41	7,070.04	147.01	147.65	71.57	-112.94	-3,781.15	553.68	273.09	280.59	1.973		
12,200.00	7,245.29	12,016.40	7,070.27	149.78	150.43	71.54	-113.47	-3,881.14	552.79	266.94	285.86	1.934		
12,300.00	7,245.48	12,116.40	7,070.50	152.56	153.21	71.51	-113.99	-3,981.14	551.91	260.78	291.13	1.896		
12,400.00	7,245.66	12,216.39	7,070.73	155.34	155.99	71.49	-114.52	-4,081.13	551.03	254.62	296.41	1.859		
12,500.00	7,245.85	12,316.39	7,070.96	158.12	158.77	71.46	-115.04	-4,181.13	550.15	248.46	301.69	1.824		
12,600.00	7,246.04	12,416.39	7,071.19	160.91	161.56	71.44	-115.56	-4,281.12	549.27	242.29	306.98	1.789		
12,700.00	7,246.22	12,516.38	7,071.42	163.70	164.35	71.41	-116.09	-4,381.12	548.39	236.12	312.27	1.756		
12,800.00	7,246.41	12,616.38	7,071.65	166.49	167.14	71.38	-116.61	-4,481.11	547.51	229.95	317.56	1.724		
12,900.00	7,246.59	12,716.37	7,071.88	169.28	169.94	71.36	-117.14	-4,581.10	546.63	223.77	322.85	1.693		
13,000.00	7,246.78	12,816.37	7,072.12	172.08	172.73	71.33	-117.66	-4,681.10	545.75	217.59	328.15	1.663		
13,100.00	7,246.97	12,916.36	7,072.35	174.88	175.53	71.31	-118.18	-4,781.09	544.86	211.41	333.45	1.634		
13,200.00	7,247.15	13,016.36	7,072.58	177.68	178.33	71.28	-118.71	-4,881.09	543.98	205.23	338.75	1.606		
13,300.00	7,247.34	13,116.36	7,072.81	180.48	181.14	71.25	-119.23	-4,981.08	543.10	199.05	344.05	1.579		
13,400.00	7,247.53	13,216.35	7,073.04	183.28	183.94	71.23	-119.76	-5,081.07	542.22	192.86	349.36	1.552		
13,500.00	7,247.71	13,316.35	7,073.27	186.09	186.75	71.20	-120.28	-5,181.07	541.34	186.68	354.66	1.526		
13,600.00	7,247.90	13,416.34	7,073.50	188.90	189.55	71.17	-120.80	-5,281.06	540.46	180.49	359.97	1.501		
13,700.00	7,248.08	13,516.34	7,073.73	191.70	192.36	71.15	-121.33	-5,381.06	539.58	174.30	365.28	1.477 Level 3		
13,800.00	7,248.27	13,616.34	7,073.96	194.52	195.17	71.12	-121.85	-5,481.05	538.70	168.11	370.59	1.454 Level 3		
13,900.00	7,248.46	13,716.33	7,074.19	197.33	197.98	71.09	-122.38	-5,581.05	537.82	161.92	375.90	1.431 Level 3		
14,000.00	7,248.64	13,816.33	7,074.42	200.14	200.80	71.06	-122.90	-5,681.04	536.94	155.73	381.21	1.409 Level 3		
14,100.00	7,248.83	13,916.32	7,074.65	202.95	203.61	71.04	-123.42	-5,781.03	536.06	149.54	386.52	1.387 Level 3		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,016.32	7,074.88	205.77	206.43	71.01	-123.95	-5,881.03	535.18	143.35	391.83	1.366	Level 3	
14,300.00	7,249.20	14,116.31	7,075.11	208.59	209.24	70.98	-124.47	-5,981.02	534.31	137.16	397.15	1.345	Level 3	
14,400.00	7,249.39	14,216.31	7,075.34	211.41	212.06	70.96	-125.00	-6,081.02	533.43	130.97	402.46	1.325	Level 3	
14,500.00	7,249.58	14,316.31	7,075.57	214.23	214.88	70.93	-125.52	-6,181.01	532.55	124.78	407.77	1.306	Level 3	
14,600.00	7,249.76	14,416.30	7,075.80	217.05	217.70	70.90	-126.04	-6,281.01	531.67	118.58	413.08	1.287	Level 3	
14,700.00	7,249.95	14,516.30	7,076.03	219.87	220.52	70.87	-126.57	-6,381.00	530.79	112.39	418.40	1.269	Level 3	
14,800.00	7,250.13	14,616.29	7,076.26	222.69	223.34	70.84	-127.09	-6,480.99	529.91	106.20	423.71	1.251	Level 3	
14,900.00	7,250.32	14,716.29	7,076.50	225.51	226.16	70.82	-127.62	-6,580.99	529.03	100.01	429.02	1.233	Level 2	
15,000.00	7,250.51	14,816.28	7,076.73	228.34	228.99	70.79	-128.14	-6,680.98	528.15	93.82	434.34	1.216	Level 2	
15,100.00	7,250.69	14,916.28	7,076.96	231.16	231.81	70.76	-128.66	-6,780.98	527.28	87.63	439.65	1.199	Level 2	
15,200.00	7,250.88	15,016.28	7,077.19	233.99	234.64	70.73	-129.19	-6,880.97	526.40	81.44	444.96	1.183	Level 2	
15,300.00	7,251.07	15,116.27	7,077.42	236.82	237.46	70.70	-129.71	-6,980.96	525.52	75.25	450.27	1.167	Level 2	
15,400.00	7,251.25	15,216.27	7,077.65	239.65	240.29	70.67	-130.24	-7,080.96	524.64	69.06	455.58	1.152	Level 2	
15,500.00	7,251.44	15,316.26	7,077.88	242.47	243.12	70.65	-130.76	-7,180.95	523.76	62.87	460.89	1.136	Level 2	
15,600.00	7,251.62	15,416.26	7,078.11	245.30	245.95	70.62	-131.28	-7,280.95	522.89	56.68	466.20	1.122	Level 2	
15,700.00	7,251.81	15,516.26	7,078.34	248.13	248.77	70.59	-131.81	-7,380.94	522.01	50.50	471.51	1.107	Level 2	
15,800.00	7,252.00	15,616.25	7,078.57	250.97	251.60	70.56	-132.33	-7,480.94	521.13	44.31	476.82	1.093	Level 2	
15,900.00	7,252.18	15,716.25	7,078.80	253.80	254.43	70.53	-132.86	-7,580.93	520.25	38.12	482.13	1.079	Level 2	
16,000.00	7,252.37	15,816.24	7,079.03	256.63	257.26	70.50	-133.38	-7,680.92	519.38	31.94	487.44	1.066	Level 2	
16,100.00	7,252.56	15,916.24	7,079.26	259.46	260.10	70.47	-133.90	-7,780.92	518.50	25.76	492.74	1.052	Level 2	
16,200.00	7,252.74	16,016.23	7,079.49	262.30	262.93	70.44	-134.43	-7,880.91	517.62	19.57	498.05	1.039	Level 2	
16,300.00	7,252.93	16,116.23	7,079.72	265.13	265.76	70.41	-134.95	-7,980.91	516.75	13.39	503.35	1.027	Level 2	
16,400.00	7,253.11	16,216.23	7,079.95	267.96	268.59	70.39	-135.48	-8,080.90	515.87	7.21	508.66	1.014	Level 2	
16,500.00	7,253.30	16,316.22	7,080.18	270.80	271.43	70.36	-136.00	-8,180.89	514.99	1.04	513.96	1.002	Level 2	
16,600.00	7,253.49	16,416.22	7,080.41	273.64	274.26	70.33	-136.52	-8,280.89	514.12	-5.14	519.26	0.990	Level 1	
16,700.00	7,253.67	16,516.21	7,080.64	276.47	277.10	70.30	-137.05	-8,380.88	513.24	-11.32	524.56	0.978	Level 1	
16,800.00	7,253.86	16,616.21	7,080.88	279.31	279.93	70.27	-137.57	-8,480.88	512.37	-17.49	529.86	0.967	Level 1	
16,900.00	7,254.05	16,716.21	7,081.11	282.15	282.77	70.24	-138.10	-8,580.87	511.49	-23.66	535.15	0.956	Level 1	
17,000.00	7,254.23	16,816.20	7,081.34	284.98	285.60	70.21	-138.62	-8,680.87	510.61	-29.84	540.45	0.945	Level 1	
17,100.00	7,254.42	16,916.20	7,081.57	287.82	288.44	70.18	-139.14	-8,780.86	509.74	-36.01	545.75	0.934	Level 1	
17,200.00	7,254.61	17,016.19	7,081.80	290.66	291.28	70.15	-139.67	-8,880.85	508.86	-42.17	551.04	0.923	Level 1	
17,300.00	7,254.79	17,116.19	7,082.03	293.50	294.11	70.12	-140.19	-8,980.85	507.99	-48.34	556.33	0.913	Level 1	
17,400.00	7,254.98	17,216.18	7,082.26	296.34	296.95	70.09	-140.72	-9,080.84	507.11	-54.51	561.62	0.903	Level 1	
17,500.00	7,255.16	17,316.18	7,082.49	299.18	299.79	70.05	-141.24	-9,180.84	506.24	-60.67	566.91	0.893	Level 1	
17,600.00	7,255.35	17,416.18	7,082.72	302.02	302.63	70.02	-141.76	-9,280.83	505.36	-66.83	572.20	0.883	Level 1	
17,700.00	7,255.54	17,516.17	7,082.95	304.86	305.47	69.99	-142.29	-9,380.82	504.49	-72.99	577.48	0.874	Level 1	
17,800.00	7,255.72	17,616.17	7,083.18	307.70	308.31	69.96	-142.81	-9,480.82	503.61	-79.15	582.77	0.864	Level 1	
17,900.00	7,255.91	17,716.16	7,083.41	310.54	311.15	69.93	-143.34	-9,580.81	502.74	-85.31	588.05	0.855	Level 1	
18,000.00	7,256.10	17,816.16	7,083.64	313.39	313.99	69.90	-143.86	-9,680.81	501.87	-91.46	593.33	0.846	Level 1	
18,100.00	7,256.28	17,916.16	7,083.87	316.23	316.83	69.87	-144.38	-9,780.80	500.99	-97.62	598.61	0.837	Level 1	
18,200.00	7,256.47	18,016.15	7,084.10	319.07	319.67	69.84	-144.91	-9,880.80	500.12	-103.77	603.88	0.828	Level 1	
18,300.00	7,256.65	18,116.15	7,084.33	321.91	322.51	69.81	-145.43	-9,980.79	499.24	-109.91	609.16	0.820	Level 1	
18,400.00	7,256.84	18,216.14	7,084.56	324.76	325.35	69.77	-145.96	-10,080.78	498.37	-116.06	614.43	0.811	Level 1	
18,500.00	7,257.03	18,316.14	7,084.79	327.60	328.19	69.74	-146.48	-10,180.78	497.50	-122.21	619.70	0.803	Level 1	
18,600.00	7,257.21	18,416.13	7,085.02	330.44	331.03	69.71	-147.00	-10,280.77	496.62	-128.35	624.97	0.795	Level 1	
18,700.00	7,257.40	18,516.13	7,085.26	333.29	333.87	69.68	-147.53	-10,380.77	495.75	-134.49	630.24	0.787	Level 1	
18,800.00	7,257.59	18,616.13	7,085.49	336.13	336.72	69.65	-148.05	-10,480.76	494.88	-140.63	635.51	0.779	Level 1	
18,900.00	7,257.77	18,716.12	7,085.72	338.98	339.56	69.62	-148.58	-10,580.75	494.00	-146.77	640.77	0.771	Level 1	
19,000.00	7,257.96	18,816.12	7,085.95	341.82	342.40	69.58	-149.10	-10,680.75	493.13	-152.90	646.03	0.763	Level 1	
19,022.43	7,258.00	18,838.54	7,086.00	342.46	343.04	69.58	-149.22	-10,703.18	492.94	-154.28	647.21	0.762	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	180.00	-14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	180.00	-14.93	0.00	14.93	8.36	6.57	2.273		
200.00	200.00	200.00	200.00	3.34	3.34	180.00	-14.93	0.00	14.93	8.26	6.67	2.237 CC		
300.00	300.00	299.70	299.68	3.44	3.44	174.57	-15.80	1.50	15.87	8.98	6.89	2.304		
400.00	399.98	399.26	399.10	3.60	3.59	49.84	-18.40	6.00	18.20	10.99	7.21	2.525		
500.00	499.84	498.70	498.16	3.79	3.80	43.72	-22.71	13.47	21.00	13.37	7.62	2.754		
600.00	599.45	598.02	596.74	4.03	4.04	39.57	-28.73	23.91	24.11	15.98	8.12	2.967		
700.00	698.70	697.22	694.72	4.30	4.32	36.81	-36.45	37.27	27.43	18.73	8.70	3.154		
800.00	797.47	796.29	792.00	4.61	4.64	35.05	-45.85	53.55	30.90	21.57	9.33	3.313		
900.00	895.62	895.57	888.79	4.96	5.00	34.13	-56.87	72.64	34.36	24.36	10.00	3.436		
939.50	934.20	935.06	927.22	5.10	5.15	34.42	-61.41	80.51	35.22	24.95	10.27	3.430		
1,000.00	993.20	1,004.45	986.08	5.33	5.43	35.23	-68.38	92.57	36.20	25.47	10.73	3.373		
1,100.00	1,090.72	1,104.47	1,083.38	5.73	5.85	36.47	-79.89	112.50	37.83	26.35	11.48	3.295		
1,200.00	1,188.24	1,204.49	1,180.68	6.15	6.29	37.61	-91.40	132.44	39.48	27.21	12.26	3.219		
1,300.00	1,285.76	1,304.50	1,277.98	6.59	6.74	38.65	-102.91	152.37	41.14	28.06	13.08	3.145		
1,400.00	1,383.28	1,404.52	1,375.27	7.04	7.20	39.62	-114.41	172.31	42.82	28.90	13.92	3.076		
1,500.00	1,480.80	1,504.54	1,472.57	7.50	7.67	40.51	-125.92	192.24	44.50	29.72	14.78	3.010		
1,600.00	1,578.31	1,604.55	1,569.87	7.96	8.15	41.34	-137.43	212.18	46.20	30.54	15.66	2.949		
1,700.00	1,675.83	1,704.57	1,667.17	8.44	8.64	42.11	-148.94	232.11	47.91	31.35	16.56	2.893		
1,800.00	1,773.35	1,795.41	1,764.47	8.92	9.08	42.82	-160.45	252.04	49.62	32.19	17.43	2.847		
1,900.00	1,870.87	1,904.60	1,861.76	9.40	9.63	43.49	-171.96	271.98	51.34	32.95	18.39	2.792		
2,000.00	1,968.39	1,995.38	1,959.06	9.89	10.08	44.12	-183.47	291.91	53.07	33.79	19.28	2.753		
2,100.00	2,065.91	2,104.64	2,056.36	10.39	10.63	44.70	-194.98	311.85	54.80	34.54	20.26	2.705		
2,200.00	2,163.43	2,204.65	2,153.66	10.88	11.14	45.25	-206.49	331.78	56.54	35.33	21.21	2.666		
2,300.00	2,260.95	2,304.67	2,250.95	11.38	11.65	45.76	-218.00	351.72	58.28	36.12	22.16	2.630		
2,400.00	2,358.46	2,404.69	2,348.25	11.89	12.16	46.25	-229.51	371.65	60.03	36.91	23.12	2.596		
2,500.00	2,455.98	2,504.70	2,445.55	12.39	12.67	46.71	-241.01	391.58	61.78	37.69	24.09	2.565		
2,600.00	2,553.50	2,595.28	2,542.85	12.89	13.14	47.14	-252.52	411.52	63.54	38.52	25.01	2.540		
2,700.00	2,651.02	2,704.74	2,640.15	13.40	13.70	47.55	-264.03	431.45	65.30	39.26	26.03	2.508		
2,800.00	2,748.54	2,804.75	2,737.44	13.91	14.22	47.94	-275.54	451.39	67.06	40.05	27.01	2.483		
2,900.00	2,846.06	2,904.77	2,834.74	14.42	14.74	48.31	-287.05	471.32	68.82	40.83	27.99	2.459		
3,000.00	2,943.58	3,004.79	2,932.04	14.93	15.26	48.66	-298.56	491.26	70.59	41.62	28.97	2.436		
3,100.00	3,041.10	3,104.80	3,029.34	15.45	15.78	48.99	-310.07	511.19	72.36	42.40	29.96	2.415		
3,200.00	3,138.61	3,195.18	3,126.63	15.96	16.25	49.31	-321.58	531.12	74.13	43.23	30.90	2.399		
3,300.00	3,236.13	3,304.83	3,223.93	16.47	16.83	49.61	-333.09	551.06	75.91	43.97	31.94	2.376		
3,400.00	3,333.65	3,404.85	3,321.23	16.99	17.35	49.90	-344.60	570.99	77.69	44.75	32.94	2.359		
3,500.00	3,431.17	3,495.13	3,418.53	17.50	17.82	50.18	-356.10	590.93	79.46	45.58	33.88	2.345		
3,600.00	3,528.69	3,604.88	3,515.83	18.02	18.40	50.44	-367.61	610.86	81.24	46.31	34.93	2.326		
3,700.00	3,626.21	3,704.90	3,613.12	18.54	18.92	50.69	-379.12	630.80	83.03	47.10	35.93	2.311		
3,800.00	3,723.73	3,804.92	3,710.42	19.06	19.45	50.93	-390.63	650.73	84.81	47.88	36.93	2.297		
3,900.00	3,821.25	3,904.93	3,807.72	19.57	19.98	51.16	-402.14	670.67	86.60	48.66	37.93	2.283		
4,000.00	3,918.77	4,004.95	3,905.02	20.09	20.50	51.39	-413.65	690.60	88.38	49.45	38.94	2.270		
4,100.00	4,016.28	4,104.97	4,002.31	20.61	21.03	51.60	-425.16	710.53	90.17	50.23	39.94	2.258		
4,200.00	4,113.80	4,204.98	4,099.61	21.13	21.56	51.80	-436.67	730.47	91.96	51.01	40.95	2.246		
4,300.00	4,211.32	4,305.00	4,196.91	21.65	22.09	52.00	-448.18	750.40	93.75	51.80	41.95	2.235		
4,400.00	4,308.84	4,405.02	4,294.21	22.17	22.62	52.19	-459.69	770.34	95.54	52.58	42.96	2.224		
4,500.00	4,406.36	4,505.03	4,391.51	22.69	23.15	52.37	-471.20	790.27	97.33	53.36	43.97	2.214		
4,600.00	4,503.88	4,605.05	4,488.80	23.21	23.67	52.55	-482.70	810.21	99.12	54.15	44.98	2.204		
4,700.00	4,601.40	4,705.07	4,586.10	23.73	24.20	52.72	-494.21	830.14	100.92	54.93	45.99	2.194		
4,800.00	4,698.92	4,805.08	4,683.40	24.26	24.73	52.88	-505.72	850.07	102.71	55.71	47.00	2.185		
4,900.00	4,796.43	4,905.10	4,780.70	24.78	25.26	53.04	-517.23	870.01	104.51	56.50	48.01	2.177		
5,000.00	4,893.95	5,005.12	4,877.99	25.30	25.79	53.20	-528.74	889.94	106.31	57.28	49.02	2.168		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,105.13	4,975.29	25.82	26.32	53.34	-540.25	909.88	108.10	58.07	50.04	2.160		
5,200.00	5,088.99	5,205.15	5,072.59	26.34	26.85	53.49	-551.76	929.81	109.90	58.85	51.05	2.153		
5,300.00	5,186.51	5,305.17	5,169.89	26.87	27.38	53.63	-563.27	949.75	111.70	59.63	52.06	2.145		
5,400.00	5,284.03	5,405.18	5,267.19	27.39	27.92	53.76	-574.78	969.68	113.50	60.42	53.08	2.138		
5,500.00	5,381.55	5,505.20	5,364.48	27.91	28.45	53.89	-586.29	989.61	115.30	61.20	54.09	2.131		
5,600.00	5,479.07	5,605.22	5,461.78	28.43	28.98	54.02	-597.80	1,009.55	117.10	61.99	55.11	2.125		
5,700.00	5,576.58	5,694.77	5,559.08	28.96	29.45	54.14	-609.30	1,029.48	118.90	62.83	56.07	2.120		
5,800.00	5,674.10	5,805.25	5,656.38	29.48	30.04	54.26	-620.81	1,049.42	120.70	63.56	57.14	2.112		
5,900.00	5,771.62	5,905.26	5,753.67	30.00	30.57	54.37	-632.32	1,069.35	122.50	64.34	58.16	2.106		
6,000.00	5,869.14	6,005.28	5,850.97	30.53	31.10	54.48	-643.83	1,089.29	124.30	65.13	59.18	2.101		
6,100.00	5,966.66	6,105.30	5,948.27	31.05	31.63	54.59	-655.34	1,109.22	126.11	65.91	60.19	2.095		
6,200.00	6,064.18	6,205.31	6,045.57	31.58	32.17	54.70	-666.85	1,129.15	127.91	66.70	61.21	2.090		
6,300.00	6,161.70	6,305.33	6,142.87	32.10	32.70	54.80	-678.36	1,149.09	129.71	67.48	62.23	2.084		
6,400.00	6,259.22	6,405.35	6,240.16	32.62	33.23	54.90	-689.87	1,169.02	131.52	68.27	63.25	2.079		
6,500.00	6,356.74	6,494.64	6,337.46	33.15	33.71	55.00	-701.38	1,188.96	133.32	69.11	64.21	2.076		
6,600.00	6,454.25	6,592.26	6,438.08	33.67	34.22	57.01	-713.08	1,204.89	134.38	68.96	65.42	2.054		
6,623.48	6,477.15	6,621.23	6,461.85	33.80	34.31	58.43	-715.74	1,206.38	134.35	68.57	65.78	2.042		
6,640.26	6,493.55	6,638.23	6,478.74	33.88	34.38	56.27	-717.61	1,206.88	134.33	68.29	66.04	2.034		
6,650.00	6,503.12	6,648.06	6,488.52	33.93	34.42	54.64	-718.68	1,206.97	134.34	68.14	66.19	2.029		
6,700.00	6,552.50	6,698.17	6,538.28	34.16	34.60	39.12	-724.04	1,205.05	134.55	67.63	66.92	2.011		
6,750.00	6,602.21	6,747.66	6,587.16	34.36	34.75	4.42	-729.14	1,199.30	135.08	67.52	67.56	1.999		
6,800.00	6,651.92	6,796.57	6,634.90	34.54	34.90	-31.23	-733.96	1,189.89	135.90	67.79	68.10	1.995		
6,850.00	6,701.33	6,844.91	6,681.26	34.70	35.06	-47.70	-738.47	1,177.00	136.98	68.46	68.53	1.999		
6,900.00	6,750.14	6,892.71	6,726.04	34.86	35.22	-54.13	-742.66	1,160.82	138.30	69.49	68.81	2.010		
6,950.00	6,798.04	6,940.01	6,769.04	35.02	35.38	-56.47	-746.53	1,141.54	139.82	70.89	68.93	2.028		
7,000.00	6,844.75	6,986.84	6,810.11	35.19	35.56	-56.98	-750.06	1,119.35	141.48	72.60	68.87	2.054		
7,050.00	6,889.97	7,033.22	6,849.10	35.37	35.75	-56.58	-753.24	1,094.44	143.23	74.60	68.63	2.087		
7,100.00	6,933.42	7,079.18	6,885.86	35.57	35.96	-55.70	-756.07	1,067.02	145.04	76.83	68.21	2.126		
7,150.00	6,974.83	7,124.76	6,920.30	35.79	36.19	-54.58	-758.55	1,037.28	146.84	79.21	67.63	2.171		
7,200.00	7,013.96	7,169.98	6,952.29	36.02	36.43	-53.36	-760.66	1,005.41	148.60	81.68	66.91	2.221		
7,250.00	7,050.56	7,214.87	6,981.76	36.28	36.70	-52.10	-762.42	971.60	150.25	84.16	66.09	2.273		
7,300.00	7,084.39	7,259.47	7,008.63	36.57	37.00	-50.86	-763.82	936.04	151.77	86.57	65.20	2.328		
7,350.00	7,115.27	7,303.80	7,032.82	36.89	37.32	-49.67	-764.85	898.92	153.11	88.82	64.29	2.381		
7,400.00	7,142.99	7,347.89	7,054.29	37.25	37.67	-48.55	-765.53	860.42	154.23	90.82	63.41	2.432		
7,450.00	7,167.38	7,391.77	7,072.97	37.65	38.05	-47.51	-765.85	820.73	155.11	92.50	62.60	2.478		
7,500.00	7,188.30	7,435.47	7,088.84	38.08	38.46	-46.55	-765.82	780.02	155.71	93.79	61.92	2.515		
7,550.00	7,205.61	7,479.01	7,101.85	38.55	38.89	-45.69	-765.44	738.48	156.00	94.61	61.40	2.541		
7,600.00	7,219.20	7,522.43	7,111.99	39.06	39.36	-44.93	-764.71	696.28	155.98	94.90	61.08	2.554		
7,650.00	7,229.00	7,565.75	7,119.24	39.61	39.84	-44.27	-763.65	653.59	155.61	94.61	61.00	2.551		
7,700.00	7,234.95	7,608.99	7,123.57	40.18	40.35	-43.71	-762.26	610.60	154.90	93.72	61.18	2.532		
7,750.07	7,237.00	7,652.57	7,125.00	40.78	40.88	-43.24	-760.53	567.08	153.82	92.19	61.63	2.496		
7,800.00	7,237.09	7,702.47	7,125.12	41.41	41.52	-42.72	-758.37	517.24	152.46	90.27	62.19	2.451		
7,900.00	7,237.28	7,802.39	7,125.36	42.79	42.91	-41.63	-754.07	417.41	149.79	86.40	63.39	2.363		
8,000.00	7,237.47	7,902.31	7,125.60	44.31	44.46	-40.50	-749.76	317.58	147.17	82.52	64.65	2.276		
8,100.00	7,237.65	8,002.24	7,125.84	45.97	46.14	-39.33	-745.45	217.75	144.61	78.67	65.94	2.193		
8,200.00	7,237.84	8,102.16	7,126.08	47.75	47.93	-38.13	-741.14	117.92	142.12	74.90	67.22	2.114		
8,300.00	7,238.02	8,202.08	7,126.32	49.63	49.83	-36.87	-736.83	18.09	139.69	71.23	68.46	2.040		
8,400.00	7,238.21	8,302.01	7,126.56	51.61	51.83	-35.58	-732.52	-81.74	137.32	67.70	69.63	1.972		
8,500.00	7,238.40	8,401.93	7,126.80	53.66	53.90	-34.24	-728.22	-181.57	135.03	64.34	70.70	1.910		
8,600.00	7,238.58	8,501.85	7,127.04	55.79	56.05	-32.86	-723.91	-281.40	132.82	61.18	71.64	1.854		
8,700.00	7,238.77	8,601.78	7,127.28	57.99	58.26	-31.42	-719.60	-381.23	130.69	58.24	72.45	1.804		
8,800.00	7,238.96	8,701.43	7,127.52	60.24	60.51	-29.96	-715.33	-480.79	128.65	55.54	73.11	1.760		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	8,799.25	7,127.75	62.54	62.77	-29.29	-713.19	-578.59	127.72	52.77	74.94	1.704		
8,905.34	7,239.15	8,804.48	7,127.77	62.66	62.89	-29.29	-713.17	-583.82	127.72	52.62	75.10	1.701		
9,000.00	7,239.33	8,901.67	7,127.99	64.88	65.16	-29.71	-713.86	-677.67	128.19	49.78	78.42	1.635		
9,100.00	7,239.52	9,001.68	7,128.23	67.27	67.54	-30.26	-714.84	-777.65	128.83	46.76	82.07	1.570		
9,200.00	7,239.70	9,101.69	7,128.47	69.69	69.95	-30.79	-715.82	-877.64	129.49	43.67	85.81	1.509		
9,300.00	7,239.89	9,201.70	7,128.71	72.15	72.40	-31.32	-716.80	-977.62	130.15	40.52	89.63	1.452 Level 3		
9,400.00	7,240.07	9,301.71	7,128.95	74.63	74.87	-31.85	-717.79	-1,077.61	130.82	37.30	93.52	1.399 Level 3		
9,500.00	7,240.26	9,401.71	7,129.19	77.14	77.37	-32.37	-718.77	-1,177.59	131.51	34.02	97.49	1.349 Level 3		
9,600.00	7,240.45	9,498.28	7,129.43	79.68	79.81	-32.88	-719.75	-1,277.58	132.20	30.73	101.47	1.303 Level 3		
9,700.00	7,240.63	9,601.73	7,129.67	82.23	82.45	-33.39	-720.73	-1,377.56	132.91	27.27	105.63	1.258 Level 3		
9,800.00	7,240.82	9,701.74	7,129.91	84.81	85.02	-33.90	-721.71	-1,477.55	133.62	23.82	109.81	1.217 Level 2		
9,900.00	7,241.01	9,801.75	7,130.15	87.40	87.60	-34.39	-722.69	-1,577.54	134.35	20.31	114.04	1.178 Level 2		
10,000.00	7,241.19	9,901.76	7,130.39	90.01	90.21	-34.89	-723.68	-1,677.52	135.09	16.75	118.34	1.142 Level 2		
10,100.00	7,241.38	10,001.77	7,130.63	92.64	92.83	-35.38	-724.66	-1,777.51	135.83	13.13	122.70	1.107 Level 2		
10,200.00	7,241.56	10,101.78	7,130.87	95.28	95.46	-35.86	-725.64	-1,877.49	136.59	9.47	127.11	1.075 Level 2		
10,300.00	7,241.75	10,201.79	7,131.11	97.93	98.10	-36.34	-726.62	-1,977.48	137.35	5.77	131.59	1.044 Level 2		
10,400.00	7,241.94	10,301.80	7,131.34	100.59	100.76	-36.81	-727.60	-2,077.46	138.13	2.01	136.11	1.015 Level 2		
10,500.00	7,242.12	10,401.81	7,131.58	103.26	103.43	-37.27	-728.59	-2,177.45	138.91	-1.78	140.69	0.987 Level 1		
10,600.00	7,242.31	10,501.82	7,131.82	105.95	106.11	-37.73	-729.57	-2,277.43	139.71	-5.62	145.32	0.961 Level 1		
10,700.00	7,242.50	10,598.17	7,132.06	108.64	108.69	-38.19	-730.55	-2,377.42	140.51	-9.43	149.94	0.937 Level 1		
10,800.00	7,242.68	10,698.16	7,132.30	111.34	111.39	-38.64	-731.53	-2,477.40	141.32	-13.34	154.66	0.914 Level 1		
10,900.00	7,242.87	10,801.85	7,132.54	114.05	114.19	-39.09	-732.51	-2,577.39	142.14	-17.36	159.50	0.891 Level 1		
11,000.00	7,243.05	10,901.86	7,132.78	116.76	116.90	-39.53	-733.49	-2,677.38	142.97	-21.35	164.32	0.870 Level 1		
11,100.00	7,243.24	11,001.87	7,133.02	119.49	119.62	-39.96	-734.48	-2,777.36	143.80	-25.38	169.18	0.850 Level 1		
11,200.00	7,243.43	11,098.13	7,133.26	122.22	122.24	-40.39	-735.46	-2,877.35	144.65	-29.36	174.01	0.831 Level 1		
11,300.00	7,243.61	11,201.88	7,133.50	124.95	125.07	-40.82	-736.44	-2,977.33	145.50	-33.52	179.02	0.813 Level 1		
11,400.00	7,243.80	11,298.11	7,133.74	127.69	127.71	-41.24	-737.42	-3,077.32	146.36	-37.57	183.93	0.796 Level 1		
11,500.00	7,243.99	11,401.90	7,133.98	130.44	130.55	-41.65	-738.40	-3,177.30	147.23	-41.79	189.02	0.779 Level 1		
11,600.00	7,244.17	11,501.91	7,134.22	133.19	133.30	-42.06	-739.38	-3,277.29	148.11	-45.97	194.08	0.763 Level 1		
11,700.00	7,244.36	11,601.92	7,134.46	135.94	136.05	-42.47	-740.37	-3,377.27	148.99	-50.17	199.17	0.748 Level 1		
11,800.00	7,244.55	11,701.93	7,134.70	138.70	138.80	-42.87	-741.35	-3,477.26	149.88	-54.41	204.29	0.734 Level 1		
11,900.00	7,244.73	11,798.06	7,134.94	141.47	141.45	-43.27	-742.33	-3,577.24	150.78	-58.59	209.37	0.720 Level 1		
12,000.00	7,244.92	11,901.95	7,135.18	144.24	144.32	-43.66	-743.31	-3,677.23	151.69	-62.95	214.63	0.707 Level 1		
12,100.00	7,245.10	12,001.96	7,135.42	147.01	147.09	-44.04	-744.29	-3,777.22	152.60	-67.25	219.85	0.694 Level 1		
12,200.00	7,245.29	12,101.97	7,135.66	149.78	149.86	-44.43	-745.28	-3,877.20	153.52	-71.58	225.10	0.682 Level 1		
12,300.00	7,245.48	12,201.98	7,135.90	152.56	152.63	-44.80	-746.26	-3,977.19	154.44	-75.93	230.37	0.670 Level 1		
12,400.00	7,245.66	12,298.01	7,136.14	155.34	155.30	-45.18	-747.24	-4,077.17	155.38	-80.22	235.59	0.660 Level 1		
12,500.00	7,245.85	12,402.00	7,136.38	158.12	158.19	-45.54	-748.22	-4,177.16	156.32	-84.69	241.00	0.649 Level 1		
12,600.00	7,246.04	12,502.01	7,136.61	160.91	160.97	-45.91	-749.20	-4,277.14	157.26	-89.10	246.36	0.638 Level 1		
12,700.00	7,246.22	12,597.98	7,136.85	163.70	163.64	-46.27	-750.18	-4,377.13	158.21	-93.44	251.65	0.629 Level 1		
12,800.00	7,246.41	12,702.03	7,137.09	166.49	166.54	-46.62	-751.17	-4,477.11	159.17	-97.97	257.14	0.619 Level 1		
12,900.00	7,246.59	12,802.04	7,137.33	169.28	169.33	-46.97	-752.15	-4,577.10	160.14	-102.43	262.57	0.610 Level 1		
13,000.00	7,246.78	12,902.05	7,137.57	172.08	172.12	-47.32	-753.13	-4,677.08	161.11	-106.91	268.01	0.601 Level 1		
13,100.00	7,246.97	12,997.95	7,137.81	174.88	174.80	-47.66	-754.11	-4,777.07	162.08	-111.31	273.39	0.593 Level 1		
13,200.00	7,247.15	13,102.06	7,138.05	177.68	177.71	-48.00	-755.09	-4,877.06	163.06	-115.91	278.97	0.585 Level 1		
13,300.00	7,247.34	13,202.07	7,138.29	180.48	180.51	-48.34	-756.07	-4,977.04	164.05	-120.43	284.48	0.577 Level 1		
13,400.00	7,247.53	13,302.08	7,138.53	183.28	183.31	-48.67	-757.06	-5,077.03	165.04	-124.96	290.01	0.569 Level 1		
13,500.00	7,247.71	13,402.09	7,138.77	186.09	186.11	-48.99	-758.04	-5,177.01	166.04	-129.51	295.55	0.562 Level 1		
13,600.00	7,247.90	13,502.10	7,139.01	188.90	188.91	-49.32	-759.02	-5,277.00	167.04	-134.07	301.12	0.555 Level 1		
13,700.00	7,248.08	13,602.11	7,139.25	191.70	191.71	-49.64	-760.00	-5,376.98	168.05	-138.64	306.70	0.548 Level 1		
13,800.00	7,248.27	13,697.88	7,139.49	194.52	194.40	-49.95	-760.98	-5,476.97	169.07	-143.13	312.20	0.542 Level 1		
13,900.00	7,248.46	13,802.13	7,139.73	197.33	197.33	-50.26	-761.97	-5,576.95	170.09	-147.82	317.90	0.535 Level 1		

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

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

Offset Design Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	13,897.86	7,139.97	200.14	200.02	-50.57	-762.95	-5,676.94	171.11	-152.33	323.44	0.529	Level 1	
14,100.00	7,248.83	14,002.15	7,140.21	202.95	202.95	-50.87	-763.93	-5,776.93	172.14	-157.03	329.17	0.523	Level 1	
14,200.00	7,249.02	14,102.16	7,140.45	205.77	205.76	-51.17	-764.91	-5,876.91	173.17	-161.66	334.83	0.517	Level 1	
14,300.00	7,249.20	14,202.17	7,140.69	208.59	208.57	-51.47	-765.89	-5,976.90	174.21	-166.29	340.50	0.512	Level 1	
14,400.00	7,249.39	14,302.18	7,140.93	211.41	211.38	-51.76	-766.87	-6,076.88	175.25	-170.92	346.18	0.506	Level 1	
14,500.00	7,249.58	14,397.81	7,141.17	214.23	214.08	-52.05	-767.86	-6,176.87	176.30	-175.47	351.77	0.501	Level 1	
14,600.00	7,249.76	14,502.20	7,141.41	217.05	217.02	-52.34	-768.84	-6,276.85	177.35	-180.23	357.58	0.496	Level 1	
14,700.00	7,249.95	14,602.21	7,141.65	219.87	219.83	-52.62	-769.82	-6,376.84	178.41	-184.89	363.29	0.491	Level 1	
14,800.00	7,250.13	14,702.22	7,141.88	222.69	222.65	-52.90	-770.80	-6,476.82	179.47	-189.55	369.02	0.486	Level 1	
14,900.00	7,250.32	14,797.78	7,142.12	225.51	225.35	-53.18	-771.78	-6,576.81	180.53	-194.12	374.66	0.482	Level 1	
15,000.00	7,250.51	14,902.23	7,142.36	228.34	228.29	-53.45	-772.76	-6,676.79	181.60	-198.91	380.51	0.477	Level 1	
15,100.00	7,250.69	15,002.24	7,142.60	231.16	231.11	-53.72	-773.75	-6,776.78	182.68	-203.59	386.27	0.473	Level 1	
15,200.00	7,250.88	15,102.25	7,142.84	233.99	233.93	-53.99	-774.73	-6,876.77	183.75	-208.28	392.04	0.469	Level 1	
15,300.00	7,251.07	15,202.26	7,143.08	236.82	236.76	-54.25	-775.71	-6,976.75	184.83	-212.98	397.81	0.465	Level 1	
15,400.00	7,251.25	15,302.27	7,143.32	239.65	239.58	-54.51	-776.69	-7,076.74	185.92	-217.68	403.60	0.461	Level 1	
15,500.00	7,251.44	15,402.28	7,143.56	242.47	242.41	-54.77	-777.67	-7,176.72	187.01	-222.38	409.39	0.457	Level 1	
15,600.00	7,251.62	15,502.29	7,143.80	245.30	245.23	-55.02	-778.66	-7,276.71	188.10	-227.09	415.19	0.453	Level 1	
15,700.00	7,251.81	15,602.30	7,144.04	248.13	248.06	-55.27	-779.64	-7,376.69	189.19	-231.81	421.00	0.449	Level 1	
15,800.00	7,252.00	15,697.69	7,144.28	250.97	250.75	-55.52	-780.62	-7,476.68	190.29	-236.41	426.71	0.446	Level 1	
15,900.00	7,252.18	15,802.32	7,144.52	253.80	253.71	-55.77	-781.60	-7,576.66	191.40	-241.24	432.64	0.442	Level 1	
16,000.00	7,252.37	15,897.67	7,144.76	256.63	256.41	-56.01	-782.58	-7,676.65	192.50	-245.85	438.36	0.439	Level 1	
16,100.00	7,252.56	16,002.34	7,145.00	259.46	259.37	-56.25	-783.56	-7,776.63	193.61	-250.69	444.30	0.436	Level 1	
16,200.00	7,252.74	16,102.35	7,145.24	262.30	262.20	-56.49	-784.55	-7,876.62	194.73	-255.42	450.15	0.433	Level 1	
16,300.00	7,252.93	16,202.36	7,145.48	265.13	265.03	-56.72	-785.53	-7,976.61	195.84	-260.15	455.99	0.429	Level 1	
16,400.00	7,253.11	16,302.37	7,145.72	267.96	267.86	-56.96	-786.51	-8,076.59	196.96	-264.88	461.85	0.426	Level 1	
16,500.00	7,253.30	16,402.38	7,145.96	270.80	270.69	-57.19	-787.49	-8,176.58	198.09	-269.62	467.70	0.424	Level 1	
16,600.00	7,253.49	16,497.62	7,146.20	273.64	273.38	-57.41	-788.47	-8,276.56	199.21	-274.24	473.45	0.421	Level 1	
16,700.00	7,253.67	16,602.39	7,146.44	276.47	276.35	-57.64	-789.45	-8,376.55	200.34	-279.09	479.44	0.418	Level 1	
16,800.00	7,253.86	16,702.40	7,146.68	279.31	279.18	-57.86	-790.44	-8,476.53	201.47	-283.83	485.31	0.415	Level 1	
16,900.00	7,254.05	16,802.41	7,146.92	282.15	282.02	-58.08	-791.42	-8,576.52	202.61	-288.58	491.19	0.412	Level 1	
17,000.00	7,254.23	16,902.42	7,147.15	284.98	284.85	-58.29	-792.40	-8,676.50	203.75	-293.32	497.07	0.410	Level 1	
17,100.00	7,254.42	17,002.43	7,147.39	287.82	287.68	-58.51	-793.38	-8,776.49	204.89	-298.06	502.95	0.407	Level 1	
17,200.00	7,254.61	17,102.44	7,147.63	290.66	290.52	-58.72	-794.36	-8,876.47	206.03	-302.81	508.84	0.405	Level 1	
17,300.00	7,254.79	17,202.45	7,147.87	293.50	293.35	-58.93	-795.35	-8,976.46	207.18	-307.55	514.73	0.402	Level 1	
17,400.00	7,254.98	17,302.46	7,148.11	296.34	296.19	-59.14	-796.33	-9,076.45	208.33	-312.30	520.63	0.400	Level 1	
17,500.00	7,255.16	17,402.47	7,148.35	299.18	299.02	-59.34	-797.31	-9,176.43	209.48	-317.05	526.53	0.398	Level 1	
17,600.00	7,255.35	17,502.48	7,148.59	302.02	301.86	-59.55	-798.29	-9,276.42	210.64	-321.80	532.43	0.396	Level 1	
17,700.00	7,255.54	17,602.49	7,148.83	304.86	304.70	-59.75	-799.27	-9,376.40	211.79	-326.54	538.34	0.393	Level 1	
17,800.00	7,255.72	17,702.50	7,149.07	307.70	307.53	-59.94	-800.25	-9,476.39	212.95	-331.29	544.25	0.391	Level 1	
17,900.00	7,255.91	17,802.51	7,149.31	310.54	310.37	-60.14	-801.24	-9,576.37	214.12	-336.04	550.16	0.389	Level 1	
18,000.00	7,256.10	17,897.48	7,149.55	313.39	313.07	-60.34	-802.22	-9,676.36	215.28	-340.66	555.94	0.387	Level 1	
18,100.00	7,256.28	18,002.53	7,149.79	316.23	316.05	-60.53	-803.20	-9,776.34	216.45	-345.54	561.99	0.385	Level 1	
18,200.00	7,256.47	18,097.46	7,150.03	319.07	318.74	-60.72	-804.18	-9,876.33	217.62	-350.16	567.78	0.383	Level 1	
18,300.00	7,256.65	18,202.55	7,150.27	321.91	321.72	-60.91	-805.16	-9,976.31	218.79	-355.03	573.82	0.381	Level 1	
18,400.00	7,256.84	18,302.55	7,150.51	324.76	324.56	-61.09	-806.14	-10,076.30	219.97	-359.78	579.75	0.379	Level 1	
18,500.00	7,257.03	18,402.56	7,150.75	327.60	327.40	-61.28	-807.13	-10,176.29	221.14	-364.53	585.67	0.378	Level 1	
18,600.00	7,257.21	18,502.57	7,150.99	330.44	330.24	-61.46	-808.11	-10,276.27	222.32	-369.27	591.60	0.376	Level 1	
18,700.00	7,257.40	18,597.42	7,151.23	333.29	332.94	-61.64	-809.09	-10,376.26	223.50	-373.89	597.39	0.374	Level 1	
18,800.00	7,257.59	18,702.59	7,151.47	336.13	335.92	-61.82	-810.07	-10,476.24	224.69	-378.77	603.45	0.372	Level 1	
18,900.00	7,257.77	18,797.40	7,151.71	338.98	338.62	-61.99	-811.05	-10,576.23	225.87	-383.38	609.25	0.371	Level 1	
19,000.00	7,257.96	18,897.39	7,151.95	341.82	341.46	-62.17	-812.04	-10,676.21	227.06	-388.12	615.18	0.369	Level 1	
19,022.43	7,258.00	18,919.82	7,152.00	342.46	342.09	-62.21	-812.26	-10,698.64	227.33	-389.18	616.51	0.369	Level 1, ES, SF	

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

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-60.11	-0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-60.11	-0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-60.11	-0.56	60.11	53.44	6.67	9.007		
300.00	300.00	300.00	300.00	3.44	3.44	-179.47	-60.11	-0.56	60.11	53.22	6.89	8.725 CC, ES		
400.00	399.98	398.51	398.49	3.60	3.59	64.87	-61.34	0.61	60.60	53.40	7.20	8.420		
500.00	499.84	497.01	496.85	3.79	3.78	65.87	-65.01	4.11	62.06	54.48	7.59	8.179		
600.00	599.45	595.46	594.93	4.03	4.01	67.43	-71.13	9.94	64.55	56.48	8.06	8.005		
700.00	698.70	693.85	692.61	4.30	4.28	69.41	-79.69	18.08	68.10	59.49	8.61	7.910		
800.00	797.47	792.16	789.74	4.61	4.58	71.66	-90.65	28.53	72.76	63.54	9.22	7.893		
900.00	895.62	890.37	886.20	4.96	4.91	74.03	-104.01	41.25	78.59	68.70	9.89	7.948		
939.50	934.20	929.13	924.08	5.10	5.05	74.96	-109.94	46.89	81.22	71.05	10.17	7.988		
1,000.00	993.20	988.46	981.86	5.33	5.28	76.06	-119.73	56.22	85.77	75.15	10.61	8.081		
1,100.00	1,090.72	1,086.35	1,076.51	5.73	5.68	76.26	-137.77	73.40	94.83	83.44	11.39	8.323		
1,200.00	1,188.24	1,184.90	1,171.04	6.15	6.11	75.11	-157.95	92.62	105.52	93.31	12.21	8.641		
1,300.00	1,285.76	1,284.28	1,266.26	6.59	6.57	74.02	-178.55	112.23	116.45	103.39	13.06	8.914		
1,400.00	1,383.28	1,383.66	1,361.48	7.04	7.05	73.12	-199.14	131.84	127.42	113.48	13.94	9.138		
1,500.00	1,480.80	1,483.03	1,456.70	7.50	7.55	72.36	-219.74	151.46	138.42	123.57	14.85	9.324		
1,600.00	1,578.31	1,582.41	1,551.93	7.96	8.05	71.71	-240.34	171.07	149.44	133.67	15.76	9.479		
1,700.00	1,675.83	1,681.79	1,647.15	8.44	8.57	71.15	-260.93	190.68	160.47	143.77	16.70	9.610		
1,800.00	1,773.35	1,781.17	1,742.37	8.92	9.09	70.66	-281.53	210.30	171.52	153.87	17.65	9.720		
1,900.00	1,870.87	1,880.55	1,837.59	9.40	9.62	70.23	-302.13	229.91	182.57	163.97	18.60	9.814		
2,000.00	1,968.39	1,979.92	1,932.81	9.89	10.16	69.85	-322.72	249.53	193.64	174.07	19.57	9.895		
2,100.00	2,065.91	2,079.30	2,028.03	10.39	10.70	69.52	-343.32	269.14	204.71	184.17	20.54	9.965		
2,200.00	2,163.43	2,178.68	2,123.25	10.88	11.25	69.21	-363.91	288.75	215.79	194.27	21.52	10.026		
2,300.00	2,260.95	2,278.06	2,218.48	11.38	11.79	68.94	-384.51	308.37	226.88	204.37	22.51	10.079		
2,400.00	2,358.46	2,377.44	2,313.70	11.89	12.35	68.69	-405.11	327.98	237.97	214.47	23.50	10.125		
2,500.00	2,455.98	2,476.82	2,408.92	12.39	12.90	68.46	-425.70	347.59	249.06	224.56	24.50	10.166		
2,600.00	2,553.50	2,576.19	2,504.14	12.89	13.46	68.26	-446.30	367.21	260.16	234.66	25.50	10.203		
2,700.00	2,651.02	2,675.57	2,599.36	13.40	14.02	68.07	-466.90	386.82	271.26	244.76	26.50	10.235		
2,800.00	2,748.54	2,774.95	2,694.58	13.91	14.58	67.89	-487.49	406.43	282.36	254.85	27.51	10.264		
2,900.00	2,846.06	2,874.33	2,789.80	14.42	15.14	67.73	-508.09	426.05	293.47	264.95	28.52	10.290		
3,000.00	2,943.58	2,973.71	2,885.03	14.93	15.70	67.58	-528.68	445.66	304.58	275.04	29.53	10.313		
3,100.00	3,041.10	3,073.08	2,980.25	15.45	16.27	67.44	-549.28	465.27	315.69	285.14	30.55	10.334		
3,200.00	3,138.61	3,172.46	3,075.47	15.96	16.84	67.31	-569.88	484.89	326.80	295.23	31.56	10.354		
3,300.00	3,236.13	3,271.84	3,170.69	16.47	17.40	67.19	-590.47	504.50	337.91	305.33	32.58	10.371		
3,400.00	3,333.65	3,371.22	3,265.91	16.99	17.97	67.08	-611.07	524.11	349.02	315.42	33.60	10.387		
3,500.00	3,431.17	3,470.60	3,361.13	17.50	18.54	66.97	-631.66	543.73	360.14	325.52	34.62	10.401		
3,600.00	3,528.69	3,569.98	3,456.35	18.02	19.11	66.87	-652.26	563.34	371.26	335.61	35.65	10.415		
3,700.00	3,626.21	3,669.35	3,551.58	18.54	19.68	66.78	-672.86	582.95	382.37	345.70	36.67	10.427		
3,800.00	3,723.73	3,768.73	3,646.80	19.06	20.25	66.69	-693.45	602.57	393.49	355.80	37.70	10.438		
3,900.00	3,821.25	3,868.11	3,742.02	19.57	20.82	66.60	-714.05	622.18	404.61	365.89	38.72	10.448		
4,000.00	3,918.77	3,967.49	3,837.24	20.09	21.40	66.52	-734.65	641.80	415.73	375.98	39.75	10.458		
4,100.00	4,016.28	4,066.87	3,932.46	20.61	21.97	66.45	-755.24	661.41	426.85	386.07	40.78	10.467		
4,200.00	4,113.80	4,166.24	4,027.68	21.13	22.54	66.37	-775.84	681.02	437.98	396.17	41.81	10.475		
4,300.00	4,211.32	4,265.62	4,122.90	21.65	23.12	66.31	-796.43	700.64	449.10	406.26	42.84	10.483		
4,400.00	4,308.84	4,365.00	4,218.13	22.17	23.69	66.24	-817.03	720.25	460.22	416.35	43.87	10.490		
4,500.00	4,406.36	4,464.38	4,313.35	22.69	24.27	66.18	-837.63	739.86	471.35	426.44	44.90	10.497		
4,600.00	4,503.88	4,563.76	4,408.57	23.21	24.84	66.12	-858.22	759.48	482.47	436.53	45.94	10.503		
4,700.00	4,601.40	4,663.13	4,503.79	23.73	25.42	66.06	-878.82	779.09	493.59	446.62	46.97	10.509		
4,800.00	4,698.92	4,762.51	4,599.01	24.26	25.99	66.01	-899.42	798.70	504.72	456.72	48.00	10.514		
4,900.00	4,796.43	4,861.89	4,694.23	24.78	26.57	65.96	-920.01	818.32	515.85	466.81	49.04	10.519		
5,000.00	4,893.95	4,961.27	4,789.46	25.30	27.15	65.91	-940.61	837.93	526.97	476.90	50.07	10.524		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,060.65	4,884.68	25.82	27.72	65.86	-961.20	857.54	538.10	486.99	51.11	10.529		
5,200.00	5,088.99	5,160.03	4,979.90	26.34	28.30	65.82	-981.80	877.16	549.22	497.08	52.14	10.533		
5,300.00	5,186.51	5,259.40	5,075.12	26.87	28.88	65.77	-1,002.40	896.77	560.35	507.17	53.18	10.537		
5,400.00	5,284.03	5,358.78	5,170.34	27.39	29.45	65.73	-1,022.99	916.38	571.48	517.26	54.22	10.541		
5,500.00	5,381.55	5,458.16	5,265.56	27.91	30.03	65.69	-1,043.59	936.00	582.61	527.35	55.25	10.544		
5,600.00	5,479.07	5,557.54	5,360.78	28.43	30.61	65.65	-1,064.19	955.61	593.73	537.44	56.29	10.548		
5,700.00	5,576.58	5,656.92	5,456.01	28.96	31.19	65.62	-1,084.78	975.22	604.86	547.53	57.33	10.551		
5,800.00	5,674.10	5,756.29	5,551.23	29.48	31.76	65.58	-1,105.38	994.84	615.99	557.63	58.37	10.554		
5,900.00	5,771.62	5,855.67	5,646.45	30.00	32.34	65.55	-1,125.97	1,014.45	627.12	567.72	59.40	10.557		
6,000.00	5,869.14	5,955.05	5,741.67	30.53	32.92	65.51	-1,146.57	1,034.07	638.25	577.81	60.44	10.560		
6,100.00	5,966.66	6,054.43	5,836.89	31.05	33.50	65.48	-1,167.17	1,053.68	649.38	587.90	61.48	10.562		
6,200.00	6,064.18	6,153.81	5,932.11	31.58	34.08	65.45	-1,187.76	1,073.29	660.51	597.99	62.52	10.565		
6,300.00	6,161.70	6,253.18	6,027.33	32.10	34.66	65.42	-1,208.36	1,092.91	671.64	608.08	63.56	10.567		
6,400.00	6,259.22	6,352.56	6,122.56	32.62	35.24	65.39	-1,228.95	1,112.52	682.77	618.17	64.60	10.569		
6,500.00	6,356.74	6,451.94	6,217.78	33.15	35.81	65.36	-1,249.55	1,132.13	693.89	628.26	65.64	10.572		
6,600.00	6,454.25	6,551.32	6,313.00	33.67	36.39	65.33	-1,270.15	1,151.75	705.02	638.35	66.68	10.574		
6,623.48	6,477.15	6,574.65	6,335.35	33.80	36.53	65.33	-1,274.98	1,156.35	707.64	640.72	66.92	10.574		
6,650.00	6,503.12	6,601.00	6,360.60	33.93	36.68	59.95	-1,280.44	1,161.55	710.57	643.38	67.19	10.576		
6,700.00	6,552.50	6,650.51	6,408.04	34.16	36.97	41.21	-1,290.71	1,171.32	716.02	648.38	67.64	10.586		
6,750.00	6,602.21	6,699.56	6,455.04	34.36	37.26	3.03	-1,300.87	1,181.00	721.38	653.36	68.02	10.605		
6,800.00	6,651.92	6,747.53	6,501.03	34.54	37.54	-36.31	-1,310.82	1,190.32	726.76	658.42	68.34	10.635		
6,850.00	6,701.33	6,795.03	6,547.00	34.70	37.79	-56.41	-1,320.75	1,196.91	732.30	663.68	68.62	10.672		
6,900.00	6,750.14	6,843.45	6,594.22	34.86	38.02	-66.36	-1,330.95	1,200.01	737.99	669.09	68.90	10.711		
6,950.00	6,798.04	6,892.85	6,642.49	35.02	38.22	-72.09	-1,341.36	1,199.37	743.80	674.61	69.19	10.750		
7,000.00	6,844.75	6,943.31	6,691.61	35.19	38.40	-75.84	-1,351.95	1,194.77	749.71	680.21	69.50	10.788		
7,050.00	6,889.97	6,994.91	6,741.30	35.37	38.55	-78.52	-1,362.64	1,185.97	755.65	685.83	69.83	10.822		
7,100.00	6,933.42	7,047.72	6,791.26	35.57	38.70	-80.56	-1,373.39	1,172.73	761.60	691.41	70.19	10.851		
7,150.00	6,974.83	7,101.80	6,841.13	35.79	38.84	-82.18	-1,384.10	1,154.83	767.49	696.91	70.58	10.873		
7,200.00	7,013.96	7,157.20	6,890.51	36.02	38.99	-83.52	-1,394.69	1,132.08	773.27	702.25	71.02	10.888		
7,250.00	7,050.56	7,213.99	6,938.91	36.28	39.15	-84.66	-1,405.06	1,104.29	778.89	707.38	71.50	10.893		
7,300.00	7,084.39	7,272.18	6,985.80	36.57	39.32	-85.63	-1,415.09	1,071.36	784.27	712.23	72.04	10.887		
7,350.00	7,115.27	7,331.80	7,030.59	36.89	39.51	-86.47	-1,424.65	1,033.22	789.36	716.71	72.64	10.866		
7,400.00	7,142.99	7,392.82	7,072.62	37.25	39.74	-87.20	-1,433.61	989.93	794.08	720.75	73.33	10.829		
7,450.00	7,167.38	7,455.21	7,111.21	37.65	40.00	-87.84	-1,441.80	941.62	798.37	724.26	74.12	10.771		
7,500.00	7,188.30	7,518.90	7,145.63	38.08	40.32	-88.37	-1,449.09	888.58	802.18	727.14	75.04	10.690		
7,550.00	7,205.61	7,583.75	7,175.20	38.55	40.69	-88.82	-1,455.32	831.22	805.42	729.33	76.10	10.584		
7,600.00	7,219.20	7,649.63	7,199.24	39.06	41.13	-89.18	-1,460.34	770.12	808.06	730.75	77.30	10.453		
7,650.00	7,229.00	7,716.36	7,217.16	39.61	41.65	-89.45	-1,464.04	705.99	810.04	731.36	78.67	10.296		
7,700.00	7,234.95	7,783.70	7,228.50	40.18	42.23	-89.63	-1,466.31	639.68	811.33	731.15	80.18	10.119		
7,750.07	7,237.00	7,851.50	7,232.94	40.78	42.88	-89.71	-1,467.09	572.06	811.90	730.09	81.80	9.925		
7,800.00	7,237.09	7,903.32	7,233.11	41.41	43.42	-89.72	-1,466.99	520.24	811.99	728.85	83.14	9.767		
7,900.00	7,237.28	8,003.32	7,233.36	42.79	44.61	-89.72	-1,466.77	420.24	812.17	726.21	85.96	9.448		
8,000.00	7,237.47	8,103.32	7,233.61	44.31	45.96	-89.73	-1,466.56	320.24	812.35	723.29	89.06	9.122		
8,100.00	7,237.65	8,203.32	7,233.86	45.97	47.46	-89.73	-1,466.35	220.24	812.53	720.12	92.40	8.793		
8,200.00	7,237.84	8,303.32	7,234.11	47.75	49.11	-89.74	-1,466.14	120.24	812.71	716.73	95.98	8.468		
8,300.00	7,238.02	8,403.32	7,234.35	49.63	50.87	-89.74	-1,465.93	20.24	812.89	713.14	99.75	8.149		
8,400.00	7,238.21	8,503.32	7,234.60	51.61	52.75	-89.75	-1,465.72	-79.76	813.06	709.36	103.70	7.840		
8,500.00	7,238.40	8,603.32	7,234.85	53.66	54.71	-89.75	-1,465.50	-179.76	813.24	705.43	107.81	7.543		
8,600.00	7,238.58	8,703.32	7,235.10	55.79	56.77	-89.75	-1,465.29	-279.76	813.42	701.36	112.06	7.259		
8,700.00	7,238.77	8,803.32	7,235.35	57.99	58.89	-89.76	-1,465.08	-379.76	813.60	697.16	116.44	6.987		
8,800.00	7,238.96	8,903.32	7,235.60	60.24	61.08	-89.76	-1,464.87	-479.76	813.78	692.85	120.93	6.729		
8,900.00	7,239.14	9,003.32	7,235.85	62.54	63.33	-89.77	-1,464.66	-579.76	813.96	688.44	125.52	6.485		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,103.32	7,236.09	64.88	65.62	-89.77	-1,464.45	-679.76	814.14	683.94	130.20	6.253		
9,100.00	7,239.52	9,203.32	7,236.34	67.27	67.97	-89.78	-1,464.23	-779.75	814.32	679.35	134.96	6.034		
9,200.00	7,239.70	9,303.32	7,236.59	69.69	70.35	-89.78	-1,464.02	-879.75	814.49	674.70	139.79	5.826		
9,300.00	7,239.89	9,403.32	7,236.84	72.15	72.77	-89.79	-1,463.81	-979.75	814.67	669.98	144.69	5.630		
9,400.00	7,240.07	9,503.32	7,237.09	74.63	75.22	-89.79	-1,463.60	-1,079.75	814.85	665.20	149.65	5.445		
9,500.00	7,240.26	9,603.32	7,237.34	77.14	77.70	-89.79	-1,463.39	-1,179.75	815.03	660.37	154.66	5.270		
9,600.00	7,240.45	9,703.32	7,237.59	79.68	80.21	-89.80	-1,463.18	-1,279.75	815.21	655.50	159.71	5.104		
9,700.00	7,240.63	9,803.32	7,237.84	82.23	82.74	-89.80	-1,462.96	-1,379.75	815.39	650.58	164.81	4.947		
9,800.00	7,240.82	9,903.32	7,238.08	84.81	85.29	-89.81	-1,462.75	-1,479.75	815.57	645.61	169.95	4.799		
9,900.00	7,241.01	10,003.32	7,238.33	87.40	87.86	-89.81	-1,462.54	-1,579.75	815.74	640.62	175.13	4.658		
10,000.00	7,241.19	10,103.32	7,238.58	90.01	90.45	-89.82	-1,462.33	-1,679.75	815.92	635.59	180.34	4.524		
10,100.00	7,241.38	10,203.32	7,238.83	92.64	93.05	-89.82	-1,462.12	-1,779.75	816.10	630.53	185.57	4.398		
10,200.00	7,241.56	10,303.32	7,239.08	95.28	95.67	-89.83	-1,461.90	-1,879.75	816.28	625.44	190.84	4.277		
10,300.00	7,241.75	10,403.32	7,239.33	97.93	98.31	-89.83	-1,461.69	-1,979.75	816.46	620.33	196.13	4.163		
10,400.00	7,241.94	10,503.32	7,239.58	100.59	100.95	-89.83	-1,461.48	-2,079.75	816.64	615.19	201.45	4.054		
10,500.00	7,242.12	10,603.32	7,239.83	103.26	103.61	-89.84	-1,461.27	-2,179.74	816.82	610.03	206.79	3.950		
10,600.00	7,242.31	10,703.32	7,240.07	105.95	106.28	-89.84	-1,461.06	-2,279.74	817.00	604.85	212.14	3.851		
10,700.00	7,242.50	10,803.32	7,240.32	108.64	108.96	-89.85	-1,460.85	-2,379.74	817.17	599.66	217.52	3.757		
10,800.00	7,242.68	10,903.32	7,240.57	111.34	111.65	-89.85	-1,460.63	-2,479.74	817.35	594.44	222.91	3.667		
10,900.00	7,242.87	11,003.32	7,240.82	114.05	114.34	-89.86	-1,460.42	-2,579.74	817.53	589.21	228.32	3.581		
11,000.00	7,243.05	11,103.32	7,241.07	116.76	117.05	-89.86	-1,460.21	-2,679.74	817.71	583.97	233.74	3.498		
11,100.00	7,243.24	11,203.32	7,241.32	119.49	119.76	-89.87	-1,460.00	-2,779.74	817.89	578.71	239.18	3.420		
11,200.00	7,243.43	11,303.32	7,241.57	122.22	122.48	-89.87	-1,459.79	-2,879.74	818.07	573.44	244.63	3.344		
11,300.00	7,243.61	11,403.32	7,241.81	124.95	125.20	-89.87	-1,459.58	-2,979.74	818.25	568.15	250.10	3.272		
11,400.00	7,243.80	11,503.32	7,242.06	127.69	127.93	-89.88	-1,459.36	-3,079.74	818.43	562.86	255.57	3.202		
11,500.00	7,243.99	11,603.32	7,242.31	130.44	130.67	-89.88	-1,459.15	-3,179.74	818.61	557.55	261.05	3.136		
11,600.00	7,244.17	11,703.32	7,242.56	133.19	133.41	-89.89	-1,458.94	-3,279.74	818.78	552.23	266.55	3.072		
11,700.00	7,244.36	11,803.32	7,242.81	135.94	136.16	-89.89	-1,458.73	-3,379.74	818.96	546.91	272.05	3.010		
11,800.00	7,244.55	11,903.32	7,243.06	138.70	138.91	-89.90	-1,458.52	-3,479.74	819.14	541.57	277.57	2.951		
11,900.00	7,244.73	12,003.32	7,243.31	141.47	141.67	-89.90	-1,458.30	-3,579.73	819.32	536.23	283.09	2.894		
12,000.00	7,244.92	12,103.32	7,243.56	144.24	144.43	-89.90	-1,458.09	-3,679.73	819.50	530.88	288.62	2.839		
12,100.00	7,245.10	12,203.32	7,243.80	147.01	147.19	-89.91	-1,457.88	-3,779.73	819.68	525.52	294.15	2.787		
12,200.00	7,245.29	12,303.31	7,244.05	149.78	149.96	-89.91	-1,457.67	-3,879.73	819.86	520.16	299.70	2.736		
12,300.00	7,245.48	12,403.31	7,244.30	152.56	152.73	-89.92	-1,457.46	-3,979.73	820.04	514.79	305.25	2.686		
12,400.00	7,245.66	12,503.31	7,244.55	155.34	155.50	-89.92	-1,457.25	-4,079.73	820.21	509.41	310.80	2.639		
12,500.00	7,245.85	12,603.31	7,244.80	158.12	158.28	-89.93	-1,457.03	-4,179.73	820.39	504.03	316.36	2.593		
12,600.00	7,246.04	12,703.31	7,245.05	160.91	161.06	-89.93	-1,456.82	-4,279.73	820.57	498.64	321.93	2.549		
12,700.00	7,246.22	12,803.31	7,245.30	163.70	163.85	-89.94	-1,456.61	-4,379.73	820.75	493.25	327.50	2.506		
12,800.00	7,246.41	12,903.31	7,245.54	166.49	166.63	-89.94	-1,456.40	-4,479.73	820.93	487.85	333.08	2.465		
12,900.00	7,246.59	13,003.31	7,245.79	169.28	169.42	-89.94	-1,456.19	-4,579.73	821.11	482.44	338.67	2.425		
13,000.00	7,246.78	13,103.31	7,246.04	172.08	172.21	-89.95	-1,455.98	-4,679.73	821.29	477.03	344.25	2.386		
13,100.00	7,246.97	13,203.31	7,246.29	174.88	175.00	-89.95	-1,455.76	-4,779.73	821.47	471.62	349.84	2.348		
13,200.00	7,247.15	13,303.31	7,246.54	177.68	177.80	-89.96	-1,455.55	-4,879.73	821.65	466.21	355.44	2.312		
13,300.00	7,247.34	13,403.31	7,246.79	180.48	180.60	-89.96	-1,455.34	-4,979.73	821.82	460.78	361.04	2.276		
13,400.00	7,247.53	13,503.31	7,247.04	183.28	183.39	-89.97	-1,455.13	-5,079.72	822.00	455.36	366.64	2.242		
13,500.00	7,247.71	13,603.31	7,247.29	186.09	186.20	-89.97	-1,454.92	-5,179.72	822.18	449.93	372.25	2.209		
13,600.00	7,247.90	13,703.31	7,247.53	188.90	189.00	-89.97	-1,454.71	-5,279.72	822.36	444.50	377.86	2.176		
13,700.00	7,248.08	13,803.31	7,247.78	191.70	191.80	-89.98	-1,454.49	-5,379.72	822.54	439.07	383.47	2.145		
13,800.00	7,248.27	13,903.31	7,248.03	194.52	194.61	-89.98	-1,454.28	-5,479.72	822.72	433.63	389.09	2.114		
13,900.00	7,248.46	14,003.31	7,248.28	197.33	197.42	-89.99	-1,454.07	-5,579.72	822.90	428.19	394.71	2.085		
14,000.00	7,248.64	14,103.31	7,248.53	200.14	200.23	-89.99	-1,453.86	-5,679.72	823.08	422.74	400.33	2.056		
14,100.00	7,248.83	14,203.31	7,248.78	202.95	203.04	-90.00	-1,453.65	-5,779.72	823.26	417.30	405.96	2.028		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,303.31	7,249.03	205.77	205.85	-90.00	-1,453.43	-5,879.72	823.43	411.85	411.59	2.001		
14,300.00	7,249.20	14,403.31	7,249.28	208.59	208.66	-90.01	-1,453.22	-5,979.72	823.61	406.39	417.22	1.974		
14,400.00	7,249.39	14,503.31	7,249.52	211.41	211.48	-90.01	-1,453.01	-6,079.72	823.79	400.94	422.85	1.948		
14,500.00	7,249.58	14,603.31	7,249.77	214.23	214.29	-90.01	-1,452.80	-6,179.72	823.97	395.48	428.49	1.923		
14,600.00	7,249.76	14,703.31	7,250.02	217.05	217.11	-90.02	-1,452.59	-6,279.72	824.15	390.02	434.13	1.898		
14,700.00	7,249.95	14,803.31	7,250.27	219.87	219.93	-90.02	-1,452.38	-6,379.72	824.33	384.56	439.77	1.874		
14,800.00	7,250.13	14,903.31	7,250.52	222.69	222.75	-90.03	-1,452.16	-6,479.71	824.51	379.10	445.41	1.851		
14,900.00	7,250.32	15,003.31	7,250.77	225.51	225.57	-90.03	-1,451.95	-6,579.71	824.69	373.64	451.05	1.828		
15,000.00	7,250.51	15,103.31	7,251.02	228.34	228.39	-90.04	-1,451.74	-6,679.71	824.87	368.17	456.70	1.806		
15,100.00	7,250.69	15,203.31	7,251.26	231.16	231.21	-90.04	-1,451.53	-6,779.71	825.05	362.70	462.35	1.784		
15,200.00	7,250.88	15,303.31	7,251.51	233.99	234.04	-90.04	-1,451.32	-6,879.71	825.22	357.23	468.00	1.763		
15,300.00	7,251.07	15,403.31	7,251.76	236.82	236.86	-90.05	-1,451.11	-6,979.71	825.40	351.76	473.65	1.743		
15,400.00	7,251.25	15,503.31	7,252.01	239.65	239.68	-90.05	-1,450.89	-7,079.71	825.58	346.28	479.30	1.722		
15,500.00	7,251.44	15,603.31	7,252.26	242.47	242.51	-90.06	-1,450.68	-7,179.71	825.76	340.81	484.95	1.703		
15,600.00	7,251.62	15,703.31	7,252.51	245.30	245.34	-90.06	-1,450.47	-7,279.71	825.94	335.33	490.61	1.683		
15,700.00	7,251.81	15,803.31	7,252.76	248.13	248.17	-90.07	-1,450.26	-7,379.71	826.12	329.85	496.27	1.665		
15,800.00	7,252.00	15,903.31	7,253.01	250.97	250.99	-90.07	-1,450.05	-7,479.71	826.30	324.37	501.93	1.646		
15,900.00	7,252.18	16,003.31	7,253.25	253.80	253.82	-90.07	-1,449.84	-7,579.71	826.48	318.89	507.59	1.628		
16,000.00	7,252.37	16,103.31	7,253.50	256.63	256.65	-90.08	-1,449.62	-7,679.71	826.66	313.41	513.25	1.611		
16,100.00	7,252.56	16,203.31	7,253.75	259.46	259.48	-90.08	-1,449.41	-7,779.71	826.84	307.92	518.91	1.593		
16,200.00	7,252.74	16,303.31	7,254.00	262.30	262.31	-90.09	-1,449.20	-7,879.70	827.01	302.44	524.58	1.577		
16,300.00	7,252.93	16,403.31	7,254.25	265.13	265.15	-90.09	-1,448.99	-7,979.70	827.19	296.95	530.24	1.560		
16,400.00	7,253.11	16,503.31	7,254.50	267.96	267.98	-90.10	-1,448.78	-8,079.70	827.37	291.46	535.91	1.544		
16,500.00	7,253.30	16,603.31	7,254.75	270.80	270.81	-90.10	-1,448.56	-8,179.70	827.55	285.97	541.58	1.528		
16,600.00	7,253.49	16,703.31	7,254.99	273.64	273.64	-90.10	-1,448.35	-8,279.70	827.73	280.48	547.25	1.513		
16,700.00	7,253.67	16,803.31	7,255.24	276.47	276.48	-90.11	-1,448.14	-8,379.70	827.91	274.99	552.92	1.497 Level 3		
16,800.00	7,253.86	16,903.31	7,255.49	279.31	279.31	-90.11	-1,447.93	-8,479.70	828.09	269.50	558.59	1.482 Level 3		
16,900.00	7,254.05	17,003.31	7,255.74	282.15	282.15	-90.12	-1,447.72	-8,579.70	828.27	264.01	564.26	1.468 Level 3		
17,000.00	7,254.23	17,103.31	7,255.99	284.98	284.98	-90.12	-1,447.51	-8,679.70	828.45	258.51	569.93	1.454 Level 3		
17,100.00	7,254.42	17,203.31	7,256.24	287.82	287.82	-90.13	-1,447.29	-8,779.70	828.63	253.02	575.61	1.440 Level 3		
17,200.00	7,254.61	17,303.31	7,256.49	290.66	290.66	-90.13	-1,447.08	-8,879.70	828.80	247.52	581.28	1.426 Level 3		
17,300.00	7,254.79	17,403.31	7,256.74	293.50	293.49	-90.13	-1,446.87	-8,979.70	828.98	242.02	586.96	1.412 Level 3		
17,400.00	7,254.98	17,503.31	7,256.98	296.34	296.33	-90.14	-1,446.66	-9,079.70	829.16	236.53	592.64	1.399 Level 3		
17,500.00	7,255.16	17,603.31	7,257.23	299.18	299.17	-90.14	-1,446.45	-9,179.70	829.34	231.03	598.31	1.386 Level 3		
17,600.00	7,255.35	17,703.31	7,257.48	302.02	302.01	-90.15	-1,446.24	-9,279.69	829.52	225.53	603.99	1.373 Level 3		
17,700.00	7,255.54	17,803.31	7,257.73	304.86	304.85	-90.15	-1,446.02	-9,379.69	829.70	220.03	609.67	1.361 Level 3		
17,800.00	7,255.72	17,903.31	7,257.98	307.70	307.69	-90.16	-1,445.81	-9,479.69	829.88	214.53	615.35	1.349 Level 3		
17,900.00	7,255.91	18,003.30	7,258.23	310.54	310.52	-90.16	-1,445.60	-9,579.69	830.06	209.02	621.03	1.337 Level 3		
18,000.00	7,256.10	18,103.30	7,258.48	313.39	313.36	-90.16	-1,445.39	-9,679.69	830.24	203.52	626.72	1.325 Level 3		
18,100.00	7,256.28	18,203.30	7,258.72	316.23	316.21	-90.17	-1,445.18	-9,779.69	830.42	198.02	632.40	1.313 Level 3		
18,200.00	7,256.47	18,303.30	7,258.97	319.07	319.05	-90.17	-1,444.96	-9,879.69	830.60	192.51	638.08	1.302 Level 3		
18,300.00	7,256.65	18,403.30	7,259.22	321.91	321.89	-90.18	-1,444.75	-9,979.69	830.77	187.01	643.76	1.290 Level 3		
18,400.00	7,256.84	18,503.30	7,259.47	324.76	324.73	-90.18	-1,444.54	-10,079.69	830.95	181.50	649.45	1.279 Level 3		
18,500.00	7,257.03	18,603.30	7,259.72	327.60	327.57	-90.19	-1,444.33	-10,179.69	831.13	176.00	655.13	1.269 Level 3		
18,600.00	7,257.21	18,703.30	7,259.97	330.44	330.41	-90.19	-1,444.12	-10,279.69	831.31	170.49	660.82	1.258 Level 3		
18,700.00	7,257.40	18,803.30	7,260.22	333.29	333.25	-90.19	-1,443.91	-10,379.69	831.49	164.98	666.51	1.248 Level 2		
18,800.00	7,257.59	18,903.30	7,260.47	336.13	336.10	-90.20	-1,443.69	-10,479.69	831.67	159.48	672.19	1.237 Level 2		
18,900.00	7,257.77	19,003.30	7,260.71	338.98	338.94	-90.20	-1,443.48	-10,579.69	831.85	153.97	677.88	1.227 Level 2		
19,000.00	7,257.96	19,103.30	7,260.96	341.82	341.78	-90.21	-1,443.27	-10,679.68	832.03	148.46	683.57	1.217 Level 2		
19,022.43	7,258.00	19,118.22	7,261.00	342.46	342.21	-90.21	-1,443.24	-10,694.60	832.10	147.54	684.56	1.216 Level 2, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.58	-75.04	-0.56	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	-179.58	-75.04	-0.56	75.05	68.48	6.57	11.423		
200.00	200.00	200.00	200.00	3.34	3.34	-179.58	-75.04	-0.56	75.05	68.37	6.67	11.244 CC, ES		
300.00	300.00	298.09	298.07	3.44	3.44	179.56	-76.28	0.58	76.30	69.41	6.89	11.076		
400.00	399.98	396.03	395.88	3.60	3.59	62.17	-79.97	3.99	79.34	72.14	7.20	11.014		
500.00	499.84	493.84	493.32	3.79	3.78	61.44	-86.10	9.66	83.36	75.75	7.61	10.956		
600.00	599.45	591.48	590.27	4.03	4.02	61.32	-94.65	17.57	88.32	80.23	8.10	10.908		
700.00	698.70	688.94	686.57	4.30	4.29	61.70	-105.61	27.70	94.21	85.55	8.65	10.885		
800.00	797.47	786.20	782.12	4.61	4.60	62.47	-118.93	40.01	101.03	91.75	9.27	10.894		
900.00	895.62	883.25	876.79	4.96	4.95	63.55	-134.59	54.49	108.80	98.86	9.95	10.938		
939.50	934.20	921.51	913.91	5.10	5.10	64.04	-141.41	60.79	112.15	101.92	10.23	10.964		
1,000.00	993.20	980.04	970.43	5.33	5.33	64.66	-152.54	71.09	117.83	107.16	10.68	11.038		
1,100.00	1,090.72	1,077.44	1,063.85	5.73	5.76	64.79	-172.82	89.82	129.05	117.60	11.45	11.273		
1,200.00	1,188.24	1,176.75	1,158.87	6.15	6.21	64.69	-194.00	109.41	140.80	128.54	12.26	11.484		
1,300.00	1,285.76	1,276.06	1,253.89	6.59	6.69	64.61	-215.19	128.99	152.56	139.45	13.11	11.639		
1,400.00	1,383.28	1,375.36	1,348.91	7.04	7.19	64.54	-236.38	148.58	164.31	150.33	13.98	11.752		
1,500.00	1,480.80	1,474.67	1,443.94	7.50	7.70	64.48	-257.56	168.16	176.06	161.18	14.88	11.834		
1,600.00	1,578.31	1,573.98	1,538.96	7.96	8.21	64.42	-278.75	187.75	187.82	172.02	15.79	11.893		
1,700.00	1,675.83	1,673.28	1,633.98	8.44	8.74	64.37	-299.94	207.33	199.57	182.85	16.72	11.934		
1,800.00	1,773.35	1,772.59	1,729.01	8.92	9.28	64.33	-321.12	226.92	211.32	193.66	17.67	11.962		
1,900.00	1,870.87	1,871.90	1,824.03	9.40	9.82	64.29	-342.31	246.50	223.08	204.45	18.62	11.980		
2,000.00	1,968.39	1,971.21	1,919.05	9.89	10.36	64.26	-363.50	266.09	234.83	215.24	19.59	11.990		
2,100.00	2,065.91	2,070.51	2,014.08	10.39	10.91	64.23	-384.68	285.67	246.58	226.03	20.56	11.995		
2,200.00	2,163.43	2,169.82	2,109.10	10.88	11.46	64.20	-405.87	305.26	258.34	236.80	21.54	11.995		
2,300.00	2,260.95	2,269.13	2,204.12	11.38	12.02	64.18	-427.06	324.84	270.09	247.57	22.52	11.992		
2,400.00	2,358.46	2,368.43	2,299.15	11.89	12.58	64.15	-448.24	344.43	281.84	258.33	23.51	11.987		
2,500.00	2,455.98	2,467.74	2,394.17	12.39	13.14	64.13	-469.43	364.01	293.60	269.09	24.51	11.979		
2,600.00	2,553.50	2,567.05	2,489.19	12.89	13.70	64.11	-490.62	383.60	305.35	279.84	25.51	11.971		
2,700.00	2,651.02	2,666.35	2,584.21	13.40	14.27	64.09	-511.80	403.18	317.11	290.59	26.51	11.961		
2,800.00	2,748.54	2,765.66	2,679.24	13.91	14.83	64.08	-532.99	422.77	328.86	301.34	27.52	11.951		
2,900.00	2,846.06	2,864.97	2,774.26	14.42	15.40	64.06	-554.18	442.35	340.61	312.09	28.53	11.940		
3,000.00	2,943.58	2,964.27	2,869.28	14.93	15.97	64.05	-575.36	461.94	352.37	322.83	29.54	11.929		
3,100.00	3,041.10	3,063.58	2,964.31	15.45	16.54	64.03	-596.55	481.52	364.12	333.57	30.55	11.917		
3,200.00	3,138.61	3,162.89	3,059.33	15.96	17.11	64.02	-617.74	501.10	375.88	344.31	31.57	11.906		
3,300.00	3,236.13	3,262.19	3,154.35	16.47	17.69	64.01	-638.92	520.69	387.63	355.04	32.59	11.894		
3,400.00	3,333.65	3,361.50	3,249.38	16.99	18.26	64.00	-660.11	540.27	399.39	365.78	33.61	11.883		
3,500.00	3,431.17	3,460.81	3,344.40	17.50	18.83	63.98	-681.30	559.86	411.14	376.51	34.63	11.872		
3,600.00	3,528.69	3,560.11	3,439.42	18.02	19.41	63.97	-702.48	579.44	422.89	387.24	35.66	11.861		
3,700.00	3,626.21	3,659.42	3,534.45	18.54	19.98	63.96	-723.67	599.03	434.65	397.97	36.68	11.850		
3,800.00	3,723.73	3,758.73	3,629.47	19.06	20.56	63.96	-744.86	618.61	446.40	408.70	37.71	11.839		
3,900.00	3,821.25	3,858.03	3,724.49	19.57	21.14	63.95	-766.04	638.20	458.16	419.42	38.73	11.828		
4,000.00	3,918.77	3,957.34	3,819.51	20.09	21.71	63.94	-787.23	657.78	469.91	430.15	39.76	11.818		
4,100.00	4,016.28	4,056.65	3,914.54	20.61	22.29	63.93	-808.42	677.37	481.66	440.87	40.79	11.808		
4,200.00	4,113.80	4,155.95	4,009.56	21.13	22.87	63.92	-829.60	696.95	493.42	451.60	41.82	11.798		
4,300.00	4,211.32	4,255.26	4,104.58	21.65	23.45	63.92	-850.79	716.54	505.17	462.32	42.85	11.789		
4,400.00	4,308.84	4,354.57	4,199.61	22.17	24.03	63.91	-871.98	736.12	516.93	473.04	43.88	11.780		
4,500.00	4,406.36	4,453.87	4,294.63	22.69	24.61	63.90	-893.16	755.71	528.68	483.77	44.92	11.770		
4,600.00	4,503.88	4,553.18	4,389.65	23.21	25.19	63.90	-914.35	775.29	540.44	494.49	45.95	11.762		
4,700.00	4,601.40	4,652.49	4,484.68	23.73	25.77	63.89	-935.54	794.88	552.19	505.21	46.98	11.753		
4,800.00	4,698.92	4,751.79	4,579.70	24.26	26.35	63.88	-956.73	814.46	563.94	515.93	48.02	11.745		
4,900.00	4,796.43	4,851.10	4,674.72	24.78	26.93	63.88	-977.91	834.05	575.70	526.65	49.05	11.736		
5,000.00	4,893.95	4,950.41	4,769.75	25.30	27.51	63.87	-999.10	853.63	587.45	537.37	50.09	11.729		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,049.71	4,864.77	25.82	28.09	63.87	-1,020.29	873.22	599.21	548.08	51.12	11.721		
5,200.00	5,088.99	5,149.02	4,959.79	26.34	28.67	63.86	-1,041.47	892.80	610.96	558.80	52.16	11.713		
5,300.00	5,186.51	5,248.33	5,054.82	26.87	29.25	63.86	-1,062.66	912.39	622.72	569.52	53.20	11.706		
5,400.00	5,284.03	5,347.64	5,149.84	27.39	29.83	63.86	-1,083.85	931.97	634.47	580.24	54.23	11.699		
5,500.00	5,381.55	5,446.94	5,244.86	27.91	30.41	63.85	-1,105.03	951.56	646.22	590.95	55.27	11.692		
5,600.00	5,479.07	5,546.25	5,339.88	28.43	30.99	63.85	-1,126.22	971.14	657.98	601.67	56.31	11.685		
5,700.00	5,576.58	5,645.56	5,434.91	28.96	31.58	63.84	-1,147.41	990.73	669.73	612.39	57.35	11.678		
5,800.00	5,674.10	5,744.86	5,529.93	29.48	32.16	63.84	-1,168.59	1,010.31	681.49	623.10	58.39	11.672		
5,900.00	5,771.62	5,844.17	5,624.95	30.00	32.74	63.83	-1,189.78	1,029.90	693.24	633.82	59.43	11.666		
6,000.00	5,869.14	5,943.48	5,719.98	30.53	33.32	63.83	-1,210.97	1,049.48	705.00	644.53	60.46	11.660		
6,100.00	5,966.66	6,042.78	5,815.00	31.05	33.91	63.83	-1,232.15	1,069.07	716.75	655.25	61.50	11.654		
6,200.00	6,064.18	6,142.09	5,910.02	31.58	34.49	63.82	-1,253.34	1,088.65	728.50	665.96	62.54	11.648		
6,300.00	6,161.70	6,241.40	6,005.05	32.10	35.07	63.82	-1,274.53	1,108.23	740.26	676.67	63.58	11.642		
6,400.00	6,259.22	6,340.70	6,100.07	32.62	35.65	63.82	-1,295.71	1,127.82	752.01	687.39	64.62	11.637		
6,500.00	6,356.74	6,440.01	6,195.09	33.15	36.24	63.81	-1,316.90	1,147.40	763.77	698.10	65.67	11.631		
6,600.00	6,454.25	6,539.32	6,290.12	33.67	36.82	63.81	-1,338.09	1,166.99	775.52	708.82	66.71	11.626		
6,623.48	6,477.15	6,562.63	6,312.43	33.80	36.96	63.81	-1,343.06	1,171.59	778.28	711.33	66.95	11.625		
6,650.00	6,503.12	6,588.96	6,337.62	33.93	37.11	58.46	-1,348.68	1,176.78	781.40	714.18	67.22	11.625		
6,700.00	6,552.50	6,638.44	6,384.96	34.16	37.40	39.80	-1,359.23	1,186.54	787.26	719.59	67.67	11.634		
6,750.00	6,602.21	6,685.85	6,430.65	34.36	37.66	1.89	-1,369.44	1,193.97	793.18	725.13	68.04	11.657		
6,800.00	6,651.92	6,733.75	6,477.22	34.54	37.90	-36.91	-1,379.88	1,197.92	799.19	730.80	68.38	11.687		
6,850.00	6,701.33	6,782.08	6,524.36	34.70	38.11	-56.45	-1,390.48	1,198.27	805.26	736.56	68.70	11.721		
6,900.00	6,750.14	6,830.85	6,571.81	34.86	38.28	-65.82	-1,401.18	1,194.90	811.35	742.33	69.02	11.756		
6,950.00	6,798.04	6,880.09	6,619.32	35.02	38.44	-70.99	-1,411.93	1,187.73	817.43	748.09	69.34	11.789		
7,000.00	6,844.75	6,929.84	6,666.61	35.19	38.58	-74.18	-1,422.67	1,176.68	823.46	753.78	69.68	11.817		
7,050.00	6,889.97	6,980.12	6,713.39	35.37	38.72	-76.30	-1,433.34	1,161.71	829.41	759.36	70.05	11.840		
7,100.00	6,933.42	7,030.94	6,759.35	35.57	38.85	-77.80	-1,443.85	1,142.78	835.23	764.78	70.45	11.855		
7,150.00	6,974.83	7,082.33	6,804.17	35.79	38.98	-78.90	-1,454.15	1,119.87	840.89	769.99	70.90	11.861		
7,200.00	7,013.96	7,134.29	6,847.50	36.02	39.12	-79.73	-1,464.15	1,093.02	846.35	774.97	71.39	11.856		
7,250.00	7,050.56	7,186.85	6,888.99	36.28	39.27	-80.38	-1,473.78	1,062.26	851.58	779.65	71.93	11.839		
7,300.00	7,084.39	7,239.99	6,928.28	36.57	39.44	-80.89	-1,482.94	1,027.70	856.53	783.99	72.54	11.808		
7,350.00	7,115.27	7,293.72	6,965.00	36.89	39.63	-81.30	-1,491.56	989.46	861.17	787.96	73.21	11.763		
7,400.00	7,142.99	7,348.02	6,998.78	37.25	39.85	-81.63	-1,499.56	947.71	865.47	791.50	73.97	11.700		
7,450.00	7,167.38	7,402.88	7,029.24	37.65	40.09	-81.90	-1,506.83	902.70	869.39	794.57	74.82	11.620		
7,500.00	7,188.30	7,458.27	7,056.05	38.08	40.38	-82.13	-1,513.32	854.68	872.89	797.13	75.76	11.521		
7,550.00	7,205.61	7,514.15	7,078.86	38.55	40.72	-82.31	-1,518.93	803.99	875.96	799.15	76.81	11.404		
7,600.00	7,219.20	7,570.48	7,097.37	39.06	41.10	-82.45	-1,523.59	751.02	878.56	800.61	77.95	11.271		
7,650.00	7,229.00	7,627.21	7,111.32	39.61	41.53	-82.56	-1,527.25	696.17	880.68	801.49	79.19	11.122		
7,700.00	7,234.95	7,684.27	7,120.49	40.18	42.01	-82.64	-1,529.85	639.93	882.29	801.78	80.50	10.960		
7,750.07	7,237.00	7,741.67	7,124.72	40.78	42.54	-82.70	-1,531.34	582.73	883.37	801.48	81.89	10.788		
7,800.00	7,237.09	7,806.07	7,125.09	41.41	43.20	-82.72	-1,531.92	530.48	884.08	800.69	83.38	10.603		
7,900.00	7,237.28	7,906.08	7,125.33	42.79	44.36	-82.74	-1,532.92	430.49	885.45	799.25	86.20	10.272		
8,000.00	7,237.47	8,006.09	7,125.57	44.31	45.70	-82.75	-1,533.92	330.51	886.83	797.54	89.29	9.932		
8,100.00	7,237.65	8,106.10	7,125.81	45.97	47.19	-82.77	-1,534.92	230.52	888.20	795.58	92.62	9.590		
8,200.00	7,237.84	8,206.11	7,126.04	47.75	48.83	-82.78	-1,535.92	130.54	889.58	793.40	96.17	9.250		
8,300.00	7,238.02	8,306.12	7,126.28	49.63	50.59	-82.80	-1,536.93	30.55	890.95	791.03	99.92	8.916		
8,400.00	7,238.21	8,406.13	7,126.52	51.61	52.46	-82.81	-1,537.93	-69.43	892.32	788.48	103.85	8.593		
8,500.00	7,238.40	8,506.14	7,126.76	53.66	54.43	-82.83	-1,538.93	-169.42	893.70	785.77	107.93	8.280		
8,600.00	7,238.58	8,606.15	7,127.00	55.79	56.48	-82.84	-1,539.93	-269.40	895.07	782.92	112.15	7.981		
8,700.00	7,238.77	8,706.16	7,127.24	57.99	58.60	-82.85	-1,540.93	-369.39	896.45	779.95	116.49	7.695		
8,800.00	7,238.96	8,806.17	7,127.48	60.24	60.79	-82.87	-1,541.93	-469.37	897.82	776.87	120.95	7.423		
8,900.00	7,239.14	8,906.18	7,127.72	62.54	63.04	-82.88	-1,542.93	-569.36	899.20	773.69	125.50	7.165		

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 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,006.19	7,127.96	64.88	65.34	-82.90	-1,543.94	-669.34	900.57	770.43	130.15	6.920		
9,100.00	7,239.52	9,106.20	7,128.20	67.27	67.68	-82.91	-1,544.94	-769.33	901.95	767.08	134.87	6.688		
9,200.00	7,239.70	9,206.21	7,128.44	69.69	70.07	-82.93	-1,545.94	-869.31	903.32	763.66	139.66	6.468		
9,300.00	7,239.89	9,306.22	7,128.68	72.15	72.48	-82.94	-1,546.94	-969.30	904.70	760.18	144.52	6.260		
9,400.00	7,240.07	9,393.77	7,128.92	74.63	74.63	-82.95	-1,547.94	-1,069.28	906.07	756.94	149.13	6.076		
9,500.00	7,240.26	9,506.24	7,129.16	77.14	77.42	-82.97	-1,548.94	-1,169.27	907.45	753.04	154.41	5.877		
9,600.00	7,240.45	9,606.25	7,129.40	79.68	79.92	-82.98	-1,549.94	-1,269.25	908.82	749.40	159.42	5.701		
9,700.00	7,240.63	9,706.26	7,129.64	82.23	82.45	-83.00	-1,550.95	-1,369.24	910.20	745.72	164.48	5.534		
9,800.00	7,240.82	9,806.27	7,129.88	84.81	85.00	-83.01	-1,551.95	-1,469.22	911.57	741.99	169.58	5.375		
9,900.00	7,241.01	9,906.28	7,130.12	87.40	87.58	-83.02	-1,552.95	-1,569.21	912.95	738.23	174.72	5.225		
10,000.00	7,241.19	10,006.29	7,130.36	90.01	90.16	-83.04	-1,553.95	-1,669.19	914.32	734.44	179.89	5.083		
10,100.00	7,241.38	10,106.30	7,130.60	92.64	92.77	-83.05	-1,554.95	-1,769.18	915.70	730.61	185.09	4.947		
10,200.00	7,241.56	10,206.31	7,130.84	95.28	95.39	-83.07	-1,555.95	-1,869.16	917.08	726.76	190.31	4.819		
10,300.00	7,241.75	10,306.32	7,131.08	97.93	98.02	-83.08	-1,556.95	-1,969.15	918.45	722.88	195.57	4.696		
10,400.00	7,241.94	10,406.33	7,131.32	100.59	100.67	-83.09	-1,557.96	-2,069.13	919.83	718.98	200.84	4.580		
10,500.00	7,242.12	10,506.34	7,131.56	103.26	103.32	-83.11	-1,558.96	-2,169.12	921.20	715.06	206.14	4.469		
10,600.00	7,242.31	10,606.35	7,131.80	105.95	105.99	-83.12	-1,559.96	-2,269.10	922.58	711.12	211.46	4.363		
10,700.00	7,242.50	10,706.36	7,132.04	108.64	108.67	-83.13	-1,560.96	-2,369.09	923.95	707.16	216.80	4.262		
10,800.00	7,242.68	10,806.36	7,132.28	111.34	111.36	-83.15	-1,561.96	-2,469.07	925.33	703.18	222.15	4.165		
10,900.00	7,242.87	10,906.37	7,132.52	114.05	114.05	-83.16	-1,562.96	-2,569.06	926.71	699.18	227.52	4.073		
11,000.00	7,243.05	11,006.38	7,132.76	116.76	116.75	-83.18	-1,563.96	-2,669.04	928.08	695.17	232.91	3.985		
11,100.00	7,243.24	11,106.39	7,133.00	119.49	119.46	-83.19	-1,564.97	-2,769.02	929.46	691.15	238.31	3.900		
11,200.00	7,243.43	11,206.40	7,133.24	122.22	122.18	-83.20	-1,565.97	-2,869.01	930.83	687.11	243.72	3.819		
11,300.00	7,243.61	11,293.59	7,133.48	124.95	124.56	-83.22	-1,566.97	-2,968.99	932.21	683.41	248.80	3.747		
11,400.00	7,243.80	11,406.42	7,133.72	127.69	127.63	-83.23	-1,567.97	-3,068.98	933.59	679.00	254.58	3.667		
11,500.00	7,243.99	11,506.43	7,133.96	130.44	130.37	-83.24	-1,568.97	-3,168.96	934.96	674.93	260.03	3.596		
11,600.00	7,244.17	11,606.44	7,134.20	133.19	133.11	-83.26	-1,569.97	-3,268.95	936.34	670.85	265.49	3.527		
11,700.00	7,244.36	11,706.45	7,134.44	135.94	135.85	-83.27	-1,570.98	-3,368.93	937.72	666.76	270.96	3.461		
11,800.00	7,244.55	11,806.46	7,134.68	138.70	138.60	-83.28	-1,571.98	-3,468.92	939.09	662.66	276.43	3.397		
11,900.00	7,244.73	11,906.47	7,134.92	141.47	141.36	-83.30	-1,572.98	-3,568.90	940.47	658.55	281.92	3.336		
12,000.00	7,244.92	12,006.48	7,135.16	144.24	144.12	-83.31	-1,573.98	-3,668.89	941.84	654.43	287.41	3.277		
12,100.00	7,245.10	12,106.49	7,135.40	147.01	146.88	-83.32	-1,574.98	-3,768.87	943.22	650.31	292.91	3.220		
12,200.00	7,245.29	12,206.50	7,135.64	149.78	149.64	-83.33	-1,575.98	-3,868.86	944.60	646.17	298.42	3.165		
12,300.00	7,245.48	12,306.51	7,135.88	152.56	152.41	-83.35	-1,576.98	-3,968.84	945.97	642.04	303.94	3.112		
12,400.00	7,245.66	12,406.52	7,136.11	155.34	155.18	-83.36	-1,577.99	-4,068.83	947.35	637.89	309.46	3.061		
12,500.00	7,245.85	12,506.53	7,136.35	158.12	157.96	-83.37	-1,578.99	-4,168.81	948.73	633.74	314.99	3.012		
12,600.00	7,246.04	12,606.54	7,136.59	160.91	160.74	-83.39	-1,579.99	-4,268.80	950.10	629.58	320.52	2.964		
12,700.00	7,246.22	12,706.55	7,136.83	163.70	163.52	-83.40	-1,580.99	-4,368.78	951.48	625.42	326.06	2.918		
12,800.00	7,246.41	12,806.56	7,137.07	166.49	166.30	-83.41	-1,581.99	-4,468.77	952.86	621.25	331.60	2.873		
12,900.00	7,246.59	12,906.57	7,137.31	169.28	169.09	-83.42	-1,582.99	-4,568.75	954.23	617.08	337.15	2.830		
13,000.00	7,246.78	13,006.58	7,137.55	172.08	171.87	-83.44	-1,583.99	-4,668.74	955.61	612.90	342.71	2.788		
13,100.00	7,246.97	13,106.59	7,137.79	174.88	174.66	-83.45	-1,585.00	-4,768.72	956.99	608.72	348.27	2.748		
13,200.00	7,247.15	13,206.60	7,138.03	177.68	177.46	-83.46	-1,586.00	-4,868.71	958.37	604.54	353.83	2.709		
13,300.00	7,247.34	13,306.61	7,138.27	180.48	180.25	-83.48	-1,587.00	-4,968.69	959.74	600.35	359.40	2.670		
13,400.00	7,247.53	13,406.62	7,138.51	183.28	183.05	-83.49	-1,588.00	-5,068.68	961.12	596.15	364.97	2.633		
13,500.00	7,247.71	13,506.63	7,138.75	186.09	185.85	-83.50	-1,589.00	-5,168.66	962.50	591.95	370.54	2.598		
13,600.00	7,247.90	13,606.64	7,138.99	188.90	188.65	-83.51	-1,590.00	-5,268.65	963.87	587.75	376.12	2.563		
13,700.00	7,248.08	13,706.65	7,139.23	191.70	191.45	-83.53	-1,591.00	-5,368.63	965.25	583.55	381.71	2.529		
13,800.00	7,248.27	13,806.66	7,139.47	194.52	194.25	-83.54	-1,592.01	-5,468.62	966.63	579.34	387.29	2.496		
13,900.00	7,248.46	13,906.67	7,139.71	197.33	197.06	-83.55	-1,593.01	-5,568.60	968.01	575.13	392.88	2.464		
14,000.00	7,248.64	14,006.68	7,139.95	200.14	199.86	-83.56	-1,594.01	-5,668.59	969.38	570.91	398.47	2.433		
14,100.00	7,248.83	14,106.69	7,140.19	202.95	202.67	-83.58	-1,595.01	-5,768.57	970.76	566.69	404.07	2.402		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,206.69	7,140.43	205.77	205.48	-83.59	-1,596.01	-5,868.56	972.14	562.47	409.66	2.373		
14,300.00	7,249.20	14,306.70	7,140.67	208.59	208.29	-83.60	-1,597.01	-5,968.54	973.52	558.25	415.27	2.344		
14,400.00	7,249.39	14,406.71	7,140.91	211.41	211.10	-83.61	-1,598.01	-6,068.53	974.89	554.03	420.87	2.316		
14,500.00	7,249.58	14,506.72	7,141.15	214.23	213.92	-83.62	-1,599.02	-6,168.51	976.27	549.80	426.47	2.289		
14,600.00	7,249.76	14,606.73	7,141.39	217.05	216.73	-83.64	-1,600.02	-6,268.50	977.65	545.57	432.08	2.263		
14,700.00	7,249.95	14,706.74	7,141.63	219.87	219.55	-83.65	-1,601.02	-6,368.48	979.03	541.33	437.69	2.237		
14,800.00	7,250.13	14,806.75	7,141.87	222.69	222.36	-83.66	-1,602.02	-6,468.47	980.40	537.10	443.31	2.212		
14,900.00	7,250.32	14,906.76	7,142.11	225.51	225.18	-83.67	-1,603.02	-6,568.45	981.78	532.86	448.92	2.187		
15,000.00	7,250.51	15,006.77	7,142.35	228.34	228.00	-83.68	-1,604.02	-6,668.44	983.16	528.62	454.54	2.163		
15,100.00	7,250.69	15,106.78	7,142.59	231.16	230.82	-83.70	-1,605.02	-6,768.42	984.54	524.38	460.16	2.140		
15,200.00	7,250.88	15,206.79	7,142.83	233.99	233.64	-83.71	-1,606.03	-6,868.41	985.92	520.14	465.78	2.117		
15,300.00	7,251.07	15,306.80	7,143.07	236.82	236.46	-83.72	-1,607.03	-6,968.39	987.29	515.89	471.40	2.094		
15,400.00	7,251.25	15,406.81	7,143.31	239.65	239.28	-83.73	-1,608.03	-7,068.38	988.67	511.64	477.03	2.073		
15,500.00	7,251.44	15,506.82	7,143.55	242.47	242.10	-83.74	-1,609.03	-7,168.36	990.05	507.39	482.66	2.051		
15,600.00	7,251.62	15,606.83	7,143.79	245.30	244.93	-83.76	-1,610.03	-7,268.35	991.43	503.14	488.29	2.030		
15,700.00	7,251.81	15,706.84	7,144.03	248.13	247.75	-83.77	-1,611.03	-7,368.33	992.81	498.89	493.92	2.010		
15,800.00	7,252.00	15,806.85	7,144.27	250.97	250.58	-83.78	-1,612.03	-7,468.32	994.18	494.64	499.55	1.990		
15,900.00	7,252.18	15,906.86	7,144.51	253.80	253.40	-83.79	-1,613.04	-7,568.30	995.56	490.38	505.18	1.971		
16,000.00	7,252.37	15,993.13	7,144.75	256.63	255.84	-83.80	-1,614.04	-7,668.29	996.94	486.51	510.43	1.953		
16,100.00	7,252.56	16,106.88	7,144.99	259.46	259.06	-83.82	-1,615.04	-7,768.27	998.32	481.87	516.45	1.933		
16,200.00	7,252.74	16,206.89	7,145.23	262.30	261.88	-83.83	-1,616.04	-7,868.26	999.70	477.61	522.09	1.915		
16,300.00	7,252.93	16,306.90	7,145.47	265.13	264.71	-83.84	-1,617.04	-7,968.24	1,001.08	473.34	527.73	1.897		
16,400.00	7,253.11	16,406.91	7,145.71	267.96	267.54	-83.85	-1,618.04	-8,068.23	1,002.45	469.08	533.37	1.879		
16,500.00	7,253.30	16,506.92	7,145.95	270.80	270.37	-83.86	-1,619.05	-8,168.21	1,003.83	464.82	539.02	1.862		
16,600.00	7,253.49	16,606.93	7,146.18	273.64	273.20	-83.87	-1,620.05	-8,268.20	1,005.21	460.55	544.66	1.846		
16,700.00	7,253.67	16,706.94	7,146.42	276.47	276.03	-83.88	-1,621.05	-8,368.18	1,006.59	456.29	550.30	1.829		
16,800.00	7,253.86	16,806.95	7,146.66	279.31	278.86	-83.90	-1,622.05	-8,468.17	1,007.97	452.02	555.95	1.813		
16,900.00	7,254.05	16,906.96	7,146.90	282.15	281.70	-83.91	-1,623.05	-8,568.15	1,009.35	447.75	561.60	1.797		
17,000.00	7,254.23	17,006.97	7,147.14	284.98	284.53	-83.92	-1,624.05	-8,668.14	1,010.73	443.48	567.25	1.782		
17,100.00	7,254.42	17,106.98	7,147.38	287.82	287.36	-83.93	-1,625.05	-8,768.12	1,012.11	439.21	572.90	1.767		
17,200.00	7,254.61	17,193.01	7,147.62	290.66	289.80	-83.94	-1,626.06	-8,868.11	1,013.48	435.33	578.15	1.753		
17,300.00	7,254.79	17,307.00	7,147.86	293.50	293.03	-83.95	-1,627.06	-8,968.09	1,014.86	430.66	584.20	1.737		
17,400.00	7,254.98	17,407.01	7,148.10	296.34	295.86	-83.96	-1,628.06	-9,068.08	1,016.24	426.39	589.85	1.723		
17,500.00	7,255.16	17,507.02	7,148.34	299.18	298.70	-83.98	-1,629.06	-9,168.06	1,017.62	422.11	595.51	1.709		
17,600.00	7,255.35	17,607.02	7,148.58	302.02	301.53	-83.99	-1,630.06	-9,268.05	1,019.00	417.84	601.16	1.695		
17,700.00	7,255.54	17,707.03	7,148.82	304.86	304.37	-84.00	-1,631.06	-9,368.03	1,020.38	413.56	606.82	1.682		
17,800.00	7,255.72	17,807.04	7,149.06	307.70	307.20	-84.01	-1,632.06	-9,468.02	1,021.76	409.28	612.47	1.668		
17,900.00	7,255.91	17,907.05	7,149.30	310.54	310.04	-84.02	-1,633.07	-9,568.00	1,023.14	405.01	618.13	1.655		
18,000.00	7,256.10	18,007.06	7,149.54	313.39	312.88	-84.03	-1,634.07	-9,667.99	1,024.52	400.73	623.79	1.642		
18,100.00	7,256.28	18,107.07	7,149.78	316.23	315.71	-84.04	-1,635.07	-9,767.97	1,025.89	396.44	629.45	1.630		
18,200.00	7,256.47	18,207.08	7,150.02	319.07	318.55	-84.05	-1,636.07	-9,867.96	1,027.27	392.16	635.11	1.617		
18,300.00	7,256.65	18,307.09	7,150.26	321.91	321.39	-84.06	-1,637.07	-9,967.94	1,028.65	387.88	640.77	1.605		
18,400.00	7,256.84	18,407.10	7,150.50	324.76	324.23	-84.08	-1,638.07	-10,067.93	1,030.03	383.60	646.43	1.593		
18,500.00	7,257.03	18,507.11	7,150.74	327.60	327.07	-84.09	-1,639.07	-10,167.91	1,031.41	379.31	652.10	1.582		
18,600.00	7,257.21	18,607.12	7,150.98	330.44	329.90	-84.10	-1,640.08	-10,267.90	1,032.79	375.03	657.76	1.570		
18,700.00	7,257.40	18,707.13	7,151.22	333.29	332.74	-84.11	-1,641.08	-10,367.88	1,034.17	370.75	663.42	1.559		
18,800.00	7,257.59	18,807.14	7,151.46	336.13	335.58	-84.12	-1,642.08	-10,467.87	1,035.55	366.46	669.09	1.548		
18,900.00	7,257.77	18,907.15	7,151.70	338.98	338.42	-84.13	-1,643.08	-10,567.85	1,036.93	362.17	674.76	1.537		
19,000.00	7,257.96	18,992.84	7,151.94	341.82	340.86	-84.14	-1,644.08	-10,667.84	1,038.31	358.29	680.02	1.527		
19,022.43	7,258.00	19,015.27	7,151.99	342.46	341.49	-84.14	-1,644.31	-10,690.26	1,038.62	357.33	681.29	1.524 SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-119.86	-1.11	119.86					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-119.86	-1.11	119.86	113.29	6.57	18.246		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-119.86	-1.11	119.86	113.19	6.67	17.959		
300.00	300.00	300.00	300.00	3.44	3.44	-179.47	-119.86	-1.11	119.86	112.97	6.89	17.397 CC, ES		
400.00	399.98	396.53	396.52	3.60	3.59	64.84	-121.26	-0.28	120.56	113.36	7.19	16.756		
500.00	499.84	493.02	492.87	3.79	3.77	65.75	-125.45	2.20	122.66	115.07	7.58	16.171		
600.00	599.45	589.39	588.90	4.03	4.00	67.19	-132.43	6.32	126.23	118.17	8.06	15.666		
700.00	698.70	685.61	684.45	4.30	4.25	69.07	-142.16	12.08	131.36	122.76	8.60	15.275		
800.00	797.47	781.63	779.36	4.61	4.54	71.26	-154.62	19.45	138.15	128.95	9.20	15.015		
900.00	895.62	877.39	873.49	4.96	4.86	73.64	-169.77	28.41	146.71	136.85	9.86	14.882		
939.50	934.20	915.14	910.42	5.10	4.99	74.60	-176.48	32.38	150.59	140.46	10.13	14.867		
1,000.00	993.20	972.87	966.70	5.33	5.21	76.00	-187.56	38.93	157.26	146.70	10.56	14.890		
1,100.00	1,090.72	1,068.04	1,058.87	5.73	5.59	77.44	-207.94	50.98	170.33	159.02	11.31	15.054		
1,200.00	1,188.24	1,162.70	1,149.72	6.15	6.00	77.97	-230.82	64.51	185.78	173.68	12.10	15.354		
1,300.00	1,285.76	1,256.64	1,238.96	6.59	6.44	77.78	-256.07	79.44	203.51	190.60	12.91	15.763		
1,400.00	1,383.28	1,349.69	1,326.36	7.04	6.90	77.05	-283.54	95.69	223.50	209.77	13.74	16.268		
1,500.00	1,480.80	1,441.66	1,411.68	7.50	7.40	75.95	-313.08	113.16	245.81	231.23	14.58	16.864		
1,600.00	1,578.31	1,536.04	1,498.27	7.96	7.93	74.63	-345.40	132.28	270.10	254.65	15.45	17.479		
1,700.00	1,675.83	1,632.80	1,586.94	8.44	8.51	73.46	-378.75	151.99	294.71	278.34	16.37	17.998		
1,800.00	1,773.35	1,729.56	1,675.61	8.92	9.10	72.47	-412.09	171.71	319.42	302.11	17.31	18.450		
1,900.00	1,870.87	1,826.33	1,764.28	9.40	9.70	71.62	-445.43	191.43	344.21	325.95	18.27	18.845		
2,000.00	1,968.39	1,923.09	1,852.95	9.89	10.31	70.89	-478.77	211.15	369.06	349.83	19.23	19.192		
2,100.00	2,065.91	2,019.85	1,941.62	10.39	10.94	70.25	-512.12	230.87	393.96	373.76	20.20	19.499		
2,200.00	2,163.43	2,116.61	2,030.29	10.88	11.57	69.68	-545.46	250.59	418.90	397.71	21.19	19.771		
2,300.00	2,260.95	2,213.38	2,118.96	11.38	12.20	69.18	-578.80	270.31	443.88	421.70	22.18	20.013		
2,400.00	2,358.46	2,310.14	2,207.63	11.89	12.84	68.73	-612.14	290.03	468.88	445.70	23.18	20.230		
2,500.00	2,455.98	2,406.90	2,296.30	12.39	13.49	68.33	-645.49	309.74	493.91	469.72	24.18	20.425		
2,600.00	2,553.50	2,503.66	2,384.97	12.89	14.14	67.97	-678.83	329.46	518.95	493.76	25.19	20.601		
2,700.00	2,651.02	2,600.42	2,473.64	13.40	14.79	67.63	-712.17	349.18	544.02	517.81	26.20	20.760		
2,800.00	2,748.54	2,697.19	2,562.31	13.91	15.45	67.33	-745.52	368.90	569.10	541.88	27.22	20.905		
2,900.00	2,846.06	2,793.95	2,650.98	14.42	16.11	67.06	-778.86	388.62	594.19	565.95	28.24	21.037		
3,000.00	2,943.58	2,909.29	2,739.65	14.93	16.89	66.80	-812.20	408.34	619.30	589.92	29.38	21.081		
3,100.00	3,041.10	2,987.47	2,828.32	15.45	17.43	66.57	-845.54	428.06	644.42	614.12	30.30	21.269		
3,200.00	3,138.61	3,084.23	2,916.99	15.96	18.09	66.35	-878.89	447.78	669.54	638.21	31.33	21.371		
3,300.00	3,236.13	3,181.00	3,005.66	16.47	18.76	66.15	-912.23	467.49	694.68	662.32	32.36	21.466		
3,400.00	3,333.65	3,277.76	3,094.33	16.99	19.43	65.97	-945.57	487.21	719.82	686.42	33.40	21.553		
3,500.00	3,431.17	3,374.52	3,183.00	17.50	20.10	65.79	-978.91	506.93	744.97	710.53	34.44	21.634		
3,600.00	3,528.69	3,471.28	3,271.67	18.02	20.77	65.63	-1,012.26	526.65	770.12	734.65	35.47	21.709		
3,700.00	3,626.21	3,568.04	3,360.34	18.54	21.44	65.48	-1,045.60	546.37	795.28	758.77	36.52	21.779		
3,800.00	3,723.73	3,664.81	3,449.01	19.06	22.11	65.33	-1,078.94	566.09	820.45	782.89	37.56	21.845		
3,900.00	3,821.25	3,761.57	3,537.68	19.57	22.78	65.20	-1,112.28	585.81	845.62	807.02	38.60	21.906		
4,000.00	3,918.77	3,858.33	3,626.35	20.09	23.46	65.07	-1,145.63	605.53	870.79	831.14	39.65	21.963		
4,100.00	4,016.28	3,955.09	3,715.02	20.61	24.13	64.95	-1,178.97	625.25	895.97	855.28	40.69	22.017		
4,200.00	4,113.80	4,051.86	3,803.69	21.13	24.81	64.84	-1,212.31	644.96	921.15	879.41	41.74	22.068		
4,300.00	4,211.32	4,148.62	3,892.36	21.65	25.48	64.73	-1,245.65	664.68	946.33	903.54	42.79	22.115		
4,400.00	4,308.84	4,245.38	3,981.03	22.17	26.16	64.63	-1,279.00	684.40	971.52	927.68	43.84	22.160		
4,500.00	4,406.36	4,342.14	4,069.70	22.69	26.84	64.53	-1,312.34	704.12	996.71	951.82	44.89	22.203		
4,600.00	4,503.88	4,438.90	4,158.37	23.21	27.52	64.44	-1,345.68	723.84	1,021.90	975.96	45.94	22.243		
4,700.00	4,601.40	4,535.67	4,247.04	23.73	28.19	64.36	-1,379.03	743.56	1,047.10	1,000.10	46.99	22.281		
4,800.00	4,698.92	4,632.43	4,335.71	24.26	28.87	64.27	-1,412.37	763.28	1,072.29	1,024.25	48.05	22.317		
4,900.00	4,796.43	4,729.19	4,424.38	24.78	29.55	64.19	-1,445.71	783.00	1,097.49	1,048.39	49.10	22.351		
5,000.00	4,893.95	4,825.95	4,513.04	25.30	30.23	64.12	-1,479.05	802.71	1,122.69	1,072.54	50.16	22.384		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,922.71	4,601.71	25.82	30.91	64.05	-1,512.40	822.43	1,147.90	1,096.69	51.21	22.415		
5,200.00	5,088.99	5,019.48	4,690.38	26.34	31.59	63.98	-1,545.74	842.15	1,173.10	1,120.83	52.27	22.444		
5,300.00	5,186.51	5,116.24	4,779.05	26.87	32.27	63.91	-1,579.08	861.87	1,198.31	1,144.98	53.32	22.473		
5,400.00	5,284.03	5,213.00	4,867.72	27.39	32.95	63.85	-1,612.42	881.59	1,223.51	1,169.13	54.38	22.499		
5,500.00	5,381.55	5,309.76	4,956.39	27.91	33.63	63.78	-1,645.77	901.31	1,248.72	1,193.28	55.44	22.525		
5,600.00	5,479.07	5,406.53	5,045.06	28.43	34.31	63.73	-1,679.11	921.03	1,273.93	1,217.44	56.49	22.549		
5,700.00	5,576.58	5,503.29	5,133.73	28.96	34.99	63.67	-1,712.45	940.75	1,299.14	1,241.59	57.55	22.573		
5,800.00	5,674.10	5,600.05	5,222.40	29.48	35.68	63.62	-1,745.79	960.46	1,324.35	1,265.74	58.61	22.595		
5,900.00	5,771.62	5,696.81	5,311.07	30.00	36.36	63.56	-1,779.14	980.18	1,349.57	1,289.90	59.67	22.617		
6,000.00	5,869.14	5,793.57	5,399.74	30.53	37.04	63.51	-1,812.48	999.90	1,374.78	1,314.05	60.73	22.638		
6,100.00	5,966.66	5,909.66	5,488.41	31.05	37.86	63.46	-1,845.82	1,019.62	1,400.00	1,338.09	61.90	22.615		
6,200.00	6,064.18	5,987.10	5,577.08	31.58	38.40	63.42	-1,879.16	1,039.34	1,425.21	1,362.36	62.85	22.676		
6,300.00	6,161.70	6,083.86	5,665.75	32.10	39.09	63.37	-1,912.51	1,059.06	1,450.43	1,386.52	63.91	22.695		
6,400.00	6,259.22	6,180.62	5,754.42	32.62	39.77	63.33	-1,945.85	1,078.78	1,475.65	1,410.68	64.97	22.712		
6,500.00	6,356.74	6,277.38	5,843.09	33.15	40.45	63.29	-1,979.19	1,098.50	1,500.87	1,434.83	66.03	22.729		
6,600.00	6,454.25	6,374.15	5,931.76	33.67	41.14	63.25	-2,012.54	1,118.21	1,526.08	1,458.99	67.09	22.745		
6,623.48	6,477.15	6,403.14	5,952.58	33.80	41.34	63.24	-2,020.36	1,122.84	1,532.01	1,464.63	67.38	22.737		
6,650.00	6,503.12	6,422.51	5,976.08	33.93	41.48	58.24	-2,029.20	1,128.07	1,538.70	1,471.08	67.62	22.756		
6,700.00	6,552.50	6,470.67	6,020.22	34.16	41.82	40.34	-2,045.80	1,137.89	1,551.30	1,483.21	68.10	22.781		
6,750.00	6,602.21	6,518.33	6,063.89	34.36	42.15	3.16	-2,062.22	1,147.60	1,563.86	1,495.34	68.52	22.824		
6,800.00	6,651.92	6,565.19	6,106.83	34.54	42.48	-35.05	-2,078.36	1,157.15	1,576.35	1,507.45	68.90	22.880		
6,850.00	6,701.33	6,610.96	6,148.77	34.70	42.81	-54.10	-2,094.14	1,166.47	1,588.79	1,519.55	69.24	22.947		
6,900.00	6,750.14	6,655.36	6,189.46	34.86	43.12	-63.09	-2,109.44	1,175.52	1,601.20	1,531.64	69.55	23.022		
6,950.00	6,798.04	6,698.12	6,228.64	35.02	43.42	-67.95	-2,124.17	1,184.23	1,613.63	1,543.79	69.85	23.103		
7,000.00	6,844.75	6,740.83	6,267.90	35.19	43.72	-70.89	-2,138.93	1,192.30	1,626.14	1,556.00	70.14	23.184		
7,050.00	6,889.97	6,785.57	6,309.45	35.37	44.00	-72.81	-2,154.53	1,197.87	1,638.68	1,568.21	70.47	23.254		
7,100.00	6,933.42	6,832.30	6,353.12	35.57	44.26	-74.14	-2,170.92	1,200.35	1,651.19	1,580.35	70.84	23.310		
7,150.00	6,974.83	6,881.36	6,399.04	35.79	44.51	-75.11	-2,188.13	1,199.26	1,663.59	1,592.35	71.25	23.350		
7,200.00	7,013.96	6,933.18	6,447.31	36.02	44.72	-75.86	-2,206.20	1,194.01	1,675.82	1,604.11	71.71	23.371		
7,250.00	7,050.56	6,988.26	6,498.00	36.28	44.91	-76.49	-2,225.15	1,183.86	1,687.78	1,615.55	72.22	23.369		
7,300.00	7,084.39	7,047.18	6,551.11	36.57	45.08	-77.04	-2,244.99	1,167.87	1,699.37	1,626.57	72.81	23.341		
7,350.00	7,115.27	7,110.62	6,606.49	36.89	45.22	-77.56	-2,265.63	1,144.87	1,710.49	1,637.03	73.46	23.283		
7,400.00	7,142.99	7,179.32	6,663.72	37.25	45.36	-78.08	-2,286.93	1,113.48	1,721.00	1,646.79	74.21	23.192		
7,450.00	7,167.38	7,254.06	6,722.00	37.65	45.49	-78.61	-2,308.57	1,072.08	1,730.74	1,655.69	75.05	23.062		
7,500.00	7,188.30	7,335.54	6,779.90	38.08	45.64	-79.14	-2,330.01	1,018.99	1,739.53	1,663.51	76.02	22.882		
7,550.00	7,205.61	7,424.31	6,835.20	38.55	45.83	-79.68	-2,350.41	952.72	1,747.17	1,669.99	77.17	22.639		
7,600.00	7,219.20	7,520.44	6,884.74	39.06	46.08	-80.17	-2,368.58	872.47	1,753.44	1,674.87	78.57	22.317		
7,650.00	7,229.00	7,623.35	6,924.62	39.61	46.44	-80.58	-2,383.06	778.83	1,758.11	1,677.84	80.28	21.901		
7,700.00	7,234.95	7,731.55	6,950.76	40.18	46.94	-80.86	-2,392.33	674.38	1,761.00	1,678.69	82.32	21.393		
7,750.07	7,237.00	7,842.83	6,960.01	40.78	47.60	-80.96	-2,395.24	563.67	1,761.97	1,677.34	84.63	20.820		
7,800.00	7,237.09	7,907.64	6,960.13	41.41	48.07	-80.96	-2,395.04	514.14	1,761.95	1,675.83	86.12	20.460		
7,900.00	7,237.28	8,007.64	6,960.38	42.79	48.93	-80.96	-2,394.63	414.14	1,761.92	1,672.99	88.94	19.811		
8,000.00	7,237.47	8,107.64	6,960.63	44.31	49.96	-80.96	-2,394.22	314.14	1,761.89	1,669.87	92.02	19.147		
8,100.00	7,237.65	8,207.64	6,960.89	45.97	51.16	-80.96	-2,393.81	214.14	1,761.87	1,666.53	95.34	18.480		
8,200.00	7,237.84	8,307.64	6,961.14	47.75	52.52	-80.96	-2,393.40	114.15	1,761.84	1,662.97	98.87	17.820		
8,300.00	7,238.02	8,407.64	6,961.39	49.63	54.05	-80.97	-2,392.99	14.15	1,761.81	1,659.21	102.59	17.173		
8,400.00	7,238.21	8,507.64	6,961.64	51.61	55.72	-80.97	-2,392.58	-85.85	1,761.78	1,655.29	106.49	16.545		
8,500.00	7,238.40	8,607.64	6,961.89	53.66	57.51	-80.97	-2,392.17	-185.85	1,761.75	1,651.22	110.53	15.939		
8,600.00	7,238.58	8,707.64	6,962.15	55.79	59.42	-80.97	-2,391.76	-285.85	1,761.72	1,647.01	114.71	15.357		
8,700.00	7,238.77	8,807.64	6,962.40	57.99	61.42	-80.97	-2,391.35	-385.85	1,761.69	1,642.67	119.02	14.802		
8,800.00	7,238.96	8,907.64	6,962.65	60.24	63.50	-80.98	-2,390.94	-485.85	1,761.66	1,638.23	123.43	14.272		
8,900.00	7,239.14	9,007.64	6,962.90	62.54	65.65	-80.98	-2,390.53	-585.85	1,761.63	1,633.69	127.94	13.769		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,107.64	6,963.15	64.88	67.87	-80.98	-2,390.12	-685.84	1,761.61	1,629.06	132.54	13.291		
9,100.00	7,239.52	9,192.36	6,963.40	67.27	69.79	-80.98	-2,389.71	-785.84	1,761.58	1,624.71	136.87	12.871		
9,200.00	7,239.70	9,307.64	6,963.66	69.69	72.46	-80.98	-2,389.30	-885.84	1,761.55	1,619.58	141.97	12.408		
9,300.00	7,239.89	9,407.64	6,963.91	72.15	74.83	-80.99	-2,388.89	-985.84	1,761.52	1,614.73	146.79	12.001		
9,400.00	7,240.07	9,507.64	6,964.16	74.63	77.23	-80.99	-2,388.48	-1,085.84	1,761.49	1,609.83	151.66	11.615		
9,500.00	7,240.26	9,607.64	6,964.41	77.14	79.66	-80.99	-2,388.07	-1,185.84	1,761.46	1,604.88	156.58	11.249		
9,600.00	7,240.45	9,707.64	6,964.66	79.68	82.13	-80.99	-2,387.66	-1,285.84	1,761.43	1,599.87	161.56	10.903		
9,700.00	7,240.63	9,807.64	6,964.92	82.23	84.62	-80.99	-2,387.25	-1,385.84	1,761.40	1,594.83	166.57	10.574		
9,800.00	7,240.82	9,907.64	6,965.17	84.81	87.14	-81.00	-2,386.85	-1,485.84	1,761.37	1,589.74	171.63	10.263		
9,900.00	7,241.01	10,007.64	6,965.42	87.40	89.68	-81.00	-2,386.44	-1,585.83	1,761.35	1,584.62	176.72	9.967		
10,000.00	7,241.19	10,107.64	6,965.67	90.01	92.24	-81.00	-2,386.03	-1,685.83	1,761.32	1,579.47	181.85	9.685		
10,100.00	7,241.38	10,192.36	6,965.92	92.64	94.43	-81.00	-2,385.62	-1,785.83	1,761.29	1,574.67	186.62	9.438		
10,200.00	7,241.56	10,307.64	6,966.18	95.28	97.42	-81.00	-2,385.21	-1,885.83	1,761.26	1,569.06	192.19	9.164		
10,300.00	7,241.75	10,407.64	6,966.43	97.93	100.03	-81.01	-2,384.80	-1,985.83	1,761.23	1,563.82	197.41	8.922		
10,400.00	7,241.94	10,507.64	6,966.68	100.59	102.66	-81.01	-2,384.39	-2,085.83	1,761.20	1,558.56	202.64	8.691		
10,500.00	7,242.12	10,607.64	6,966.93	103.26	105.30	-81.01	-2,383.98	-2,185.83	1,761.17	1,553.27	207.90	8.471		
10,600.00	7,242.31	10,707.64	6,967.18	105.95	107.95	-81.01	-2,383.57	-2,285.83	1,761.14	1,547.97	213.18	8.261		
10,700.00	7,242.50	10,807.64	6,967.43	108.64	110.61	-81.01	-2,383.16	-2,385.82	1,761.11	1,542.64	218.48	8.061		
10,800.00	7,242.68	10,907.64	6,967.69	111.34	113.28	-81.02	-2,382.75	-2,485.82	1,761.09	1,537.29	223.79	7.869		
10,900.00	7,242.87	11,007.64	6,967.94	114.05	115.96	-81.02	-2,382.34	-2,585.82	1,761.06	1,531.93	229.12	7.686		
11,000.00	7,243.05	11,092.36	6,968.19	116.76	118.24	-81.02	-2,381.93	-2,685.82	1,761.03	1,526.97	234.06	7.524		
11,100.00	7,243.24	11,207.64	6,968.44	119.49	121.35	-81.02	-2,381.52	-2,785.82	1,761.00	1,521.17	239.83	7.343		
11,200.00	7,243.43	11,307.64	6,968.69	122.22	124.06	-81.02	-2,381.11	-2,885.82	1,760.97	1,515.76	245.20	7.182		
11,300.00	7,243.61	11,407.64	6,968.95	124.95	126.77	-81.03	-2,380.70	-2,985.82	1,760.94	1,510.35	250.59	7.027		
11,400.00	7,243.80	11,507.64	6,969.20	127.69	129.49	-81.03	-2,380.29	-3,085.82	1,760.91	1,504.92	255.99	6.879		
11,500.00	7,243.99	11,607.64	6,969.45	130.44	132.22	-81.03	-2,379.88	-3,185.82	1,760.88	1,499.48	261.40	6.736		
11,600.00	7,244.17	11,707.64	6,969.70	133.19	134.95	-81.03	-2,379.47	-3,285.81	1,760.85	1,494.03	266.82	6.599		
11,700.00	7,244.36	11,807.64	6,969.95	135.94	137.69	-81.03	-2,379.06	-3,385.81	1,760.83	1,488.57	272.25	6.468		
11,800.00	7,244.55	11,907.64	6,970.21	138.70	140.43	-81.04	-2,378.65	-3,485.81	1,760.80	1,483.10	277.69	6.341		
11,900.00	7,244.73	12,007.64	6,970.46	141.47	143.18	-81.04	-2,378.24	-3,585.81	1,760.77	1,477.63	283.14	6.219		
12,000.00	7,244.92	12,107.64	6,970.71	144.24	145.93	-81.04	-2,377.84	-3,685.81	1,760.74	1,472.14	288.60	6.101		
12,100.00	7,245.10	12,207.64	6,970.96	147.01	148.68	-81.04	-2,377.43	-3,785.81	1,760.71	1,466.65	294.06	5.988		
12,200.00	7,245.29	12,307.64	6,971.21	149.78	151.44	-81.04	-2,377.02	-3,885.81	1,760.68	1,461.15	299.53	5.878		
12,300.00	7,245.48	12,407.64	6,971.46	152.56	154.21	-81.05	-2,376.61	-3,985.81	1,760.65	1,455.64	305.01	5.772		
12,400.00	7,245.66	12,507.64	6,971.72	155.34	156.98	-81.05	-2,376.20	-4,085.80	1,760.62	1,450.13	310.49	5.670		
12,500.00	7,245.85	12,607.64	6,971.97	158.12	159.75	-81.05	-2,375.79	-4,185.80	1,760.59	1,444.61	315.98	5.572		
12,600.00	7,246.04	12,707.64	6,972.22	160.91	162.52	-81.05	-2,375.38	-4,285.80	1,760.57	1,439.08	321.48	5.476		
12,700.00	7,246.22	12,807.64	6,972.47	163.70	165.30	-81.05	-2,374.97	-4,385.80	1,760.54	1,433.55	326.98	5.384		
12,800.00	7,246.41	12,892.36	6,972.72	166.49	167.65	-81.06	-2,374.56	-4,485.80	1,760.51	1,428.44	332.07	5.302		
12,900.00	7,246.59	12,992.36	6,972.98	169.28	170.43	-81.06	-2,374.15	-4,585.80	1,760.48	1,422.89	337.58	5.215		
12,915.83	7,246.62	13,008.19	6,973.02	169.73	170.88	-81.06	-2,374.08	-4,601.63	1,760.47	1,422.02	338.46	5.201		
13,000.00	7,246.78	13,002.01	6,973.00	172.08	170.70	-81.06	-2,374.11	-4,595.45	1,762.77	1,422.90	339.86	5.187 SF		
13,100.00	7,246.97	13,002.01	6,973.00	174.88	170.70	-81.06	-2,374.11	-4,595.45	1,770.68	1,429.87	340.81	5.196		
13,200.00	7,247.15	13,002.01	6,973.00	177.68	170.70	-81.06	-2,374.11	-4,595.45	1,784.18	1,443.44	340.74	5.236		
13,300.00	7,247.34	13,002.01	6,973.00	180.48	170.70	-81.06	-2,374.11	-4,595.45	1,803.12	1,463.43	339.69	5.308		
13,400.00	7,247.53	13,002.01	6,973.00	183.28	170.70	-81.06	-2,374.11	-4,595.45	1,827.35	1,489.60	337.75	5.410		
13,500.00	7,247.71	13,002.01	6,973.00	186.09	170.70	-81.06	-2,374.11	-4,595.45	1,856.66	1,521.66	335.00	5.542		
13,600.00	7,247.90	13,002.01	6,973.00	188.90	170.70	-81.06	-2,374.11	-4,595.45	1,890.81	1,559.28	331.53	5.703		
13,700.00	7,248.08	13,002.01	6,973.00	191.70	170.70	-81.06	-2,374.11	-4,595.45	1,929.54	1,602.08	327.46	5.893		
13,800.00	7,248.27	13,002.01	6,973.00	194.52	170.70	-81.06	-2,374.11	-4,595.45	1,972.58	1,649.70	322.89	6.109		
13,900.00	7,248.46	13,002.01	6,973.00	197.33	170.70	-81.06	-2,374.11	-4,595.45	2,019.67	1,701.74	317.92	6.353		
14,000.00	7,248.64	13,002.01	6,973.00	200.14	170.70	-81.06	-2,374.11	-4,595.45	2,070.51	1,757.85	312.67	6.622		

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

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

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	13,002.01	6,973.00	202.95	170.70	-81.06	-2,374.11	-4,595.45	2,124.85	1,817.65	307.20	6.917		
14,200.00	7,249.02	13,002.01	6,973.00	205.77	170.70	-81.06	-2,374.11	-4,595.45	2,182.42	1,880.82	301.60	7.236		
14,300.00	7,249.20	13,002.01	6,973.00	208.59	170.70	-81.06	-2,374.11	-4,595.45	2,242.97	1,947.04	295.94	7.579		
14,400.00	7,249.39	13,002.01	6,973.00	211.41	170.70	-81.06	-2,374.11	-4,595.45	2,306.27	2,016.01	290.27	7.945		
14,500.00	7,249.58	13,002.01	6,973.00	214.23	170.70	-81.06	-2,374.11	-4,595.45	2,372.10	2,087.47	284.63	8.334		
14,600.00	7,249.76	13,002.01	6,973.00	217.05	170.70	-81.06	-2,374.11	-4,595.45	2,440.25	2,161.17	279.08	8.744		
14,700.00	7,249.95	13,002.01	6,973.00	219.87	170.70	-81.06	-2,374.11	-4,595.45	2,510.54	2,236.91	273.62	9.175		
14,800.00	7,250.13	13,002.01	6,973.00	222.69	170.70	-81.06	-2,374.11	-4,595.45	2,582.78	2,314.48	268.30	9.626		
14,900.00	7,250.32	13,002.01	6,973.00	225.51	170.70	-81.06	-2,374.11	-4,595.45	2,656.83	2,393.71	263.12	10.097		
15,000.00	7,250.51	13,002.01	6,973.00	228.34	170.70	-81.06	-2,374.11	-4,595.45	2,732.53	2,474.43	258.10	10.587		
15,100.00	7,250.69	13,002.01	6,973.00	231.16	170.70	-81.06	-2,374.11	-4,595.45	2,809.75	2,556.51	253.24	11.095		
15,200.00	7,250.88	13,002.01	6,973.00	233.99	170.70	-81.06	-2,374.11	-4,595.45	2,888.36	2,639.81	248.55	11.621		
15,300.00	7,251.07	13,002.01	6,973.00	236.82	170.70	-81.06	-2,374.11	-4,595.45	2,968.27	2,724.24	244.03	12.164		
15,400.00	7,251.25	13,002.01	6,973.00	239.65	170.70	-81.06	-2,374.11	-4,595.45	3,049.36	2,809.67	239.68	12.722		
15,500.00	7,251.44	13,002.01	6,973.00	242.47	170.70	-81.06	-2,374.11	-4,595.45	3,131.54	2,896.03	235.50	13.297		
15,600.00	7,251.62	13,002.01	6,973.00	245.30	170.70	-81.06	-2,374.11	-4,595.45	3,214.73	2,983.24	231.49	13.887		
15,700.00	7,251.81	13,002.01	6,973.00	248.13	170.70	-81.06	-2,374.11	-4,595.45	3,298.86	3,071.22	227.64	14.491		
15,800.00	7,252.00	13,002.01	6,973.00	250.97	170.70	-81.06	-2,374.11	-4,595.45	3,383.85	3,159.90	223.95	15.110		
15,900.00	7,252.18	13,002.01	6,973.00	253.80	170.70	-81.06	-2,374.11	-4,595.45	3,469.64	3,249.23	220.41	15.742		
16,000.00	7,252.37	13,002.01	6,973.00	256.63	170.70	-81.06	-2,374.11	-4,595.45	3,556.17	3,339.15	217.02	16.386		
16,100.00	7,252.56	13,002.01	6,973.00	259.46	170.70	-81.06	-2,374.11	-4,595.45	3,643.40	3,429.63	213.77	17.044		
16,200.00	7,252.74	13,002.01	6,973.00	262.30	170.70	-81.06	-2,374.11	-4,595.45	3,731.26	3,520.61	210.66	17.713		
16,300.00	7,252.93	13,002.01	6,973.00	265.13	170.70	-81.06	-2,374.11	-4,595.45	3,819.72	3,612.05	207.67	18.393		
16,400.00	7,253.11	13,002.01	6,973.00	267.96	170.70	-81.06	-2,374.11	-4,595.45	3,908.74	3,703.93	204.81	19.084		
16,500.00	7,253.30	13,002.01	6,973.00	270.80	170.70	-81.06	-2,374.11	-4,595.45	3,998.28	3,796.20	202.07	19.786		
16,600.00	7,253.49	13,002.01	6,973.00	273.64	170.70	-81.06	-2,374.11	-4,595.45	4,088.30	3,888.85	199.45	20.498		
16,700.00	7,253.67	13,002.01	6,973.00	276.47	170.70	-81.06	-2,374.11	-4,595.45	4,178.77	3,981.84	196.93	21.220		
16,800.00	7,253.86	13,002.01	6,973.00	279.31	170.70	-81.06	-2,374.11	-4,595.45	4,269.67	4,075.16	194.52	21.950		
16,900.00	7,254.05	13,002.01	6,973.00	282.15	170.70	-81.06	-2,374.11	-4,595.45	4,360.97	4,168.77	192.20	22.690		
17,000.00	7,254.23	13,002.01	6,973.00	284.98	170.70	-81.06	-2,374.11	-4,595.45	4,452.65	4,262.66	189.98	23.437		
17,100.00	7,254.42	13,002.01	6,973.00	287.82	170.70	-81.06	-2,374.11	-4,595.45	4,544.67	4,356.82	187.85	24.193		
17,200.00	7,254.61	13,002.01	6,973.00	290.66	170.70	-81.06	-2,374.11	-4,595.45	4,637.02	4,451.22	185.81	24.956		
17,300.00	7,254.79	13,002.01	6,973.00	293.50	170.70	-81.06	-2,374.11	-4,595.45	4,729.69	4,545.85	183.84	25.727		
17,400.00	7,254.98	13,002.01	6,973.00	296.34	170.70	-81.06	-2,374.11	-4,595.45	4,822.65	4,640.69	181.96	26.504		
17,500.00	7,255.16	13,002.01	6,973.00	299.18	170.70	-81.06	-2,374.11	-4,595.45	4,915.88	4,735.73	180.15	27.288		
17,600.00	7,255.35	13,002.01	6,973.00	302.02	170.70	-81.06	-2,374.11	-4,595.45	5,009.38	4,830.97	178.41	28.079		
17,700.00	7,255.54	13,002.01	6,973.00	304.86	170.70	-81.06	-2,374.11	-4,595.45	5,103.12	4,926.39	176.73	28.875		
17,800.00	7,255.72	13,002.01	6,973.00	307.70	170.70	-81.06	-2,374.11	-4,595.45	5,197.09	5,021.97	175.12	29.677		
17,900.00	7,255.91	13,002.01	6,973.00	310.54	170.70	-81.06	-2,374.11	-4,595.45	5,291.29	5,117.72	173.58	30.484		
18,000.00	7,256.10	13,002.01	6,973.00	313.39	170.70	-81.06	-2,374.11	-4,595.45	5,385.70	5,213.61	172.09	31.296		
18,100.00	7,256.28	13,002.01	6,973.00	316.23	170.70	-81.06	-2,374.11	-4,595.45	5,480.30	5,309.65	170.65	32.114		
18,200.00	7,256.47	13,002.01	6,973.00	319.07	170.70	-81.06	-2,374.11	-4,595.45	5,575.09	5,405.82	169.27	32.936		
18,300.00	7,256.65	13,002.01	6,973.00	321.91	170.70	-81.06	-2,374.11	-4,595.45	5,670.06	5,502.12	167.94	33.762		
18,400.00	7,256.84	13,002.01	6,973.00	324.76	170.70	-81.06	-2,374.11	-4,595.45	5,765.21	5,598.54	166.66	34.592		
18,500.00	7,257.03	13,002.01	6,973.00	327.60	170.70	-81.06	-2,374.11	-4,595.45	5,860.51	5,695.08	165.43	35.426		
18,600.00	7,257.21	13,002.01	6,973.00	330.44	170.70	-81.06	-2,374.11	-4,595.45	5,955.97	5,791.73	164.24	36.264		
18,700.00	7,257.40	13,002.01	6,973.00	333.29	170.70	-81.06	-2,374.11	-4,595.45	6,051.57	5,888.48	163.09	37.105		
18,800.00	7,257.59	13,002.01	6,973.00	336.13	170.70	-81.06	-2,374.11	-4,595.45	6,147.31	5,985.33	161.98	37.950		
18,900.00	7,257.77	13,002.01	6,973.00	338.98	170.70	-81.06	-2,374.11	-4,595.45	6,243.19	6,082.27	160.92	38.798		
19,000.00	7,257.96	13,002.01	6,973.00	341.82	170.70	-81.06	-2,374.11	-4,595.45	6,339.20	6,179.31	159.89	39.648		
19,022.43	7,258.00	13,002.01	6,973.00	342.46	170.70	-81.06	-2,374.11	-4,595.45	6,360.74	6,201.08	159.66	39.839		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.53	-134.79	-1.11	134.79					
100.00	100.00	100.00	100.00	3.28	3.28	-179.53	-134.79	-1.11	134.79	128.22	6.57	20.518		
200.00	200.00	200.00	200.00	3.34	3.34	-179.53	-134.79	-1.11	134.79	128.12	6.67	20.197 CC, ES		
300.00	300.00	296.00	295.99	3.44	3.44	-179.85	-136.21	-0.35	136.26	129.38	6.89	19.783		
400.00	399.98	391.86	391.72	3.60	3.58	63.76	-140.44	1.93	139.92	132.72	7.20	19.427		
500.00	499.84	487.54	487.06	3.79	3.77	63.95	-147.48	5.73	144.99	137.38	7.61	19.063		
600.00	599.45	582.98	581.84	4.03	3.99	64.66	-157.29	11.01	151.47	143.38	8.09	18.726		
700.00	698.70	678.13	675.91	4.30	4.25	65.80	-169.83	17.77	159.42	150.78	8.64	18.452		
800.00	797.47	772.92	769.11	4.61	4.55	67.26	-185.05	25.97	168.89	159.64	9.25	18.264		
900.00	895.62	867.32	861.31	4.96	4.88	68.95	-202.90	35.59	179.97	170.07	9.90	18.172		
939.50	934.20	904.49	897.41	5.10	5.02	69.65	-210.66	39.77	184.81	174.63	10.18	18.157		
1,000.00	993.20	961.28	952.36	5.33	5.25	70.75	-223.31	46.59	192.95	182.34	10.61	18.182		
1,100.00	1,090.72	1,054.73	1,042.10	5.73	5.65	71.95	-246.20	58.93	208.60	197.24	11.36	18.362		
1,200.00	1,188.24	1,147.46	1,130.28	6.15	6.07	72.50	-271.46	72.54	226.84	214.70	12.14	18.688		
1,300.00	1,285.76	1,239.31	1,216.66	6.59	6.53	72.53	-298.94	87.35	247.58	234.64	12.94	19.136		
1,400.00	1,383.28	1,330.10	1,301.01	7.04	7.01	72.17	-328.48	103.27	270.77	257.02	13.75	19.691		
1,500.00	1,480.80	1,420.88	1,384.27	7.50	7.53	71.51	-360.32	120.43	296.37	281.79	14.58	20.326		
1,600.00	1,578.31	1,517.24	1,472.24	7.96	8.10	70.81	-394.96	139.09	322.85	307.37	15.48	20.854		
1,700.00	1,675.83	1,613.60	1,560.20	8.44	8.69	70.22	-429.59	157.75	349.36	332.96	16.40	21.299		
1,800.00	1,773.35	1,709.96	1,648.17	8.92	9.30	69.70	-464.23	176.42	375.91	358.57	17.34	21.678		
1,900.00	1,870.87	1,806.33	1,736.13	9.40	9.91	69.26	-498.86	195.08	402.48	384.18	18.29	22.001		
2,000.00	1,968.39	1,902.69	1,824.09	9.89	10.54	68.87	-533.50	213.75	429.07	409.81	19.26	22.280		
2,100.00	2,065.91	1,999.05	1,912.06	10.39	11.17	68.53	-568.13	232.41	455.67	435.44	20.23	22.520		
2,200.00	2,163.43	2,104.59	2,000.02	10.88	11.87	68.22	-602.77	251.08	482.29	461.02	21.27	22.675		
2,300.00	2,260.95	2,208.23	2,087.99	11.38	12.57	67.95	-637.40	269.74	508.92	486.61	22.30	22.818		
2,400.00	2,358.46	2,288.14	2,175.95	11.89	13.11	67.70	-672.04	288.41	535.56	512.35	23.21	23.074		
2,500.00	2,455.98	2,384.50	2,263.91	12.39	13.76	67.48	-706.67	307.07	562.21	537.99	24.22	23.216		
2,600.00	2,553.50	2,480.86	2,351.88	12.89	14.42	67.27	-741.31	325.74	588.86	563.63	25.23	23.342		
2,700.00	2,651.02	2,577.22	2,439.84	13.40	15.07	67.09	-775.95	344.40	615.52	589.28	26.24	23.455		
2,800.00	2,748.54	2,673.58	2,527.81	13.91	15.74	66.92	-810.58	363.07	642.19	614.93	27.26	23.556		
2,900.00	2,846.06	2,769.95	2,615.77	14.42	16.40	66.76	-845.22	381.73	668.86	640.57	28.29	23.646		
3,000.00	2,943.58	2,866.31	2,703.73	14.93	17.07	66.62	-879.85	400.40	695.54	666.22	29.31	23.728		
3,100.00	3,041.10	2,962.67	2,791.70	15.45	17.74	66.48	-914.49	419.06	722.22	691.87	30.34	23.801		
3,200.00	3,138.61	3,059.03	2,879.66	15.96	18.41	66.36	-949.12	437.73	748.90	717.52	31.38	23.868		
3,300.00	3,236.13	3,155.39	2,967.63	16.47	19.08	66.24	-983.76	456.39	775.59	743.18	32.41	23.929		
3,400.00	3,333.65	3,251.76	3,055.59	16.99	19.75	66.14	-1,018.39	475.06	802.28	768.83	33.45	23.985		
3,500.00	3,431.17	3,348.12	3,143.55	17.50	20.42	66.04	-1,053.03	493.72	828.97	794.48	34.49	24.036		
3,600.00	3,528.69	3,444.48	3,231.52	18.02	21.10	65.94	-1,087.66	512.39	855.66	820.13	35.53	24.083		
3,700.00	3,626.21	3,540.84	3,319.48	18.54	21.77	65.85	-1,122.30	531.05	882.36	845.78	36.57	24.126		
3,800.00	3,723.73	3,637.20	3,407.44	19.06	22.45	65.77	-1,156.93	549.72	909.05	871.44	37.62	24.166		
3,900.00	3,821.25	3,733.57	3,495.41	19.57	23.13	65.69	-1,191.57	568.38	935.75	897.09	38.66	24.203		
4,000.00	3,918.77	3,829.93	3,583.37	20.09	23.81	65.61	-1,226.21	587.05	962.46	922.74	39.71	24.237		
4,100.00	4,016.28	3,926.29	3,671.34	20.61	24.48	65.54	-1,260.84	605.71	989.16	948.40	40.76	24.268		
4,200.00	4,113.80	4,022.65	3,759.30	21.13	25.16	65.48	-1,295.48	624.38	1,015.86	974.05	41.81	24.297		
4,300.00	4,211.32	4,119.01	3,847.26	21.65	25.84	65.41	-1,330.11	643.04	1,042.57	999.71	42.86	24.325		
4,400.00	4,308.84	4,215.38	3,935.23	22.17	26.52	65.35	-1,364.75	661.71	1,069.27	1,025.36	43.91	24.350		
4,500.00	4,406.36	4,311.74	4,023.19	22.69	27.21	65.30	-1,399.38	680.37	1,095.98	1,051.01	44.96	24.374		
4,600.00	4,503.88	4,408.10	4,111.16	23.21	27.89	65.24	-1,434.02	699.04	1,122.69	1,076.67	46.02	24.397		
4,700.00	4,601.40	4,504.46	4,199.12	23.73	28.57	65.19	-1,468.65	717.70	1,149.40	1,102.32	47.07	24.417		
4,800.00	4,698.92	4,600.82	4,287.08	24.26	29.25	65.14	-1,503.29	736.36	1,176.11	1,127.98	48.13	24.437		
4,900.00	4,796.43	4,702.81	4,375.05	24.78	29.97	65.09	-1,537.92	755.03	1,202.82	1,153.60	49.22	24.439		
5,000.00	4,893.95	4,806.45	4,463.01	25.30	30.71	65.05	-1,572.56	773.69	1,229.53	1,179.21	50.32	24.436		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,889.91	4,550.98	25.82	31.30	65.00	-1,607.20	792.36	1,256.24	1,204.94	51.30	24.489		
5,200.00	5,088.99	4,986.27	4,638.94	26.34	31.98	64.96	-1,641.83	811.02	1,282.95	1,230.60	52.36	24.505		
5,300.00	5,186.51	5,082.63	4,726.90	26.87	32.67	64.92	-1,676.47	829.69	1,309.67	1,256.25	53.41	24.519		
5,400.00	5,284.03	5,179.00	4,814.87	27.39	33.35	64.88	-1,711.10	848.35	1,336.38	1,281.91	54.47	24.533		
5,500.00	5,381.55	5,275.36	4,902.83	27.91	34.03	64.85	-1,745.74	867.02	1,363.09	1,307.56	55.53	24.546		
5,600.00	5,479.07	5,371.72	4,990.80	28.43	34.72	64.81	-1,780.37	885.68	1,389.81	1,333.22	56.59	24.558		
5,700.00	5,576.58	5,468.08	5,078.76	28.96	35.40	64.78	-1,815.01	904.35	1,416.52	1,358.87	57.65	24.570		
5,800.00	5,674.10	5,564.44	5,166.72	29.48	36.09	64.74	-1,849.64	923.01	1,443.24	1,384.53	58.71	24.581		
5,900.00	5,771.62	5,660.81	5,254.69	30.00	36.77	64.71	-1,884.28	941.68	1,469.96	1,410.18	59.77	24.592		
6,000.00	5,869.14	5,757.17	5,342.65	30.53	37.46	64.68	-1,918.91	960.34	1,496.67	1,435.84	60.84	24.602		
6,100.00	5,966.66	5,853.53	5,430.61	31.05	38.14	64.65	-1,953.55	979.01	1,523.39	1,461.49	61.90	24.611		
6,200.00	6,064.18	5,949.89	5,518.58	31.58	38.83	64.62	-1,988.18	997.67	1,550.11	1,487.15	62.96	24.620		
6,300.00	6,161.70	6,046.25	5,606.54	32.10	39.51	64.60	-2,022.82	1,016.34	1,576.83	1,512.80	64.02	24.629		
6,400.00	6,259.22	6,142.62	5,694.51	32.62	40.20	64.57	-2,057.46	1,035.00	1,603.54	1,538.46	65.09	24.637		
6,500.00	6,356.74	6,238.98	5,782.47	33.15	40.88	64.54	-2,092.09	1,053.67	1,630.26	1,564.11	66.15	24.645		
6,600.00	6,454.25	6,335.34	5,870.43	33.67	41.57	64.52	-2,126.73	1,072.33	1,656.98	1,589.77	67.21	24.653		
6,623.48	6,477.15	6,357.97	5,891.09	33.80	41.73	64.51	-2,134.86	1,076.71	1,663.25	1,595.79	67.46	24.654		
6,650.00	6,503.12	6,383.51	5,914.41	33.93	41.91	59.56	-2,144.04	1,081.66	1,670.33	1,602.59	67.74	24.659		
6,700.00	6,552.50	6,431.51	5,958.22	34.16	42.26	41.75	-2,161.29	1,090.96	1,683.59	1,615.37	68.22	24.680		
6,750.00	6,602.21	6,479.04	6,001.61	34.36	42.59	4.65	-2,178.38	1,100.17	1,696.71	1,628.06	68.65	24.716		
6,800.00	6,651.92	6,525.82	6,044.31	34.54	42.93	-33.48	-2,195.19	1,109.23	1,709.66	1,640.63	69.03	24.767		
6,850.00	6,701.33	6,571.55	6,086.05	34.70	43.25	-52.45	-2,211.63	1,118.08	1,722.44	1,653.06	69.38	24.826		
6,900.00	6,750.14	6,615.94	6,126.58	34.86	43.57	-61.37	-2,227.58	1,126.68	1,735.07	1,665.36	69.71	24.891		
6,950.00	6,798.04	6,658.74	6,165.65	35.02	43.87	-66.17	-2,242.96	1,134.97	1,747.58	1,677.56	70.01	24.961		
7,000.00	6,844.75	6,700.33	6,203.01	35.19	44.17	-69.04	-2,257.68	1,142.90	1,760.03	1,689.72	70.31	25.034		
7,050.00	6,889.97	6,738.48	6,238.44	35.37	44.44	-70.88	-2,271.63	1,150.42	1,772.48	1,701.91	70.57	25.115		
7,100.00	6,933.42	6,774.93	6,271.71	35.57	44.70	-72.10	-2,284.73	1,157.48	1,785.01	1,714.17	70.84	25.199		
7,150.00	6,974.83	6,808.80	6,302.63	35.79	44.94	-72.91	-2,296.90	1,164.04	1,797.67	1,726.59	71.09	25.288		
7,200.00	7,013.96	6,839.87	6,331.00	36.02	45.16	-73.40	-2,308.07	1,170.06	1,810.56	1,739.22	71.34	25.381		
7,250.00	7,050.56	6,867.97	6,356.64	36.28	45.36	-73.63	-2,318.17	1,175.50	1,823.72	1,752.13	71.58	25.478		
7,300.00	7,084.39	6,892.90	6,379.41	36.57	45.54	-73.63	-2,327.13	1,180.33	1,837.21	1,765.38	71.83	25.578		
7,350.00	7,115.27	6,914.53	6,399.15	36.89	45.70	-73.41	-2,334.90	1,184.52	1,851.07	1,778.99	72.08	25.680		
7,400.00	7,142.99	6,936.98	6,419.65	37.25	45.85	-73.11	-2,342.98	1,188.80	1,865.33	1,792.94	72.39	25.767		
7,450.00	7,167.38	6,970.53	6,450.50	37.65	46.08	-73.06	-2,355.11	1,193.96	1,879.88	1,807.00	72.88	25.794		
7,500.00	7,188.30	7,007.70	6,484.92	38.08	46.32	-73.03	-2,368.65	1,197.63	1,894.66	1,821.20	73.45	25.794		
7,550.00	7,205.61	7,051.19	6,525.36	38.55	46.57	-73.13	-2,384.53	1,199.17	1,909.61	1,835.48	74.12	25.762		
7,600.00	7,219.20	7,107.14	6,577.39	39.06	46.85	-73.52	-2,404.93	1,196.78	1,924.66	1,849.73	74.93	25.686		
7,650.00	7,229.00	7,193.06	6,656.38	39.61	47.17	-74.72	-2,435.86	1,183.60	1,939.64	1,863.68	75.96	25.534		
7,700.00	7,234.95	7,381.34	6,819.36	40.18	47.63	-78.51	-2,499.42	1,115.87	1,953.94	1,876.40	77.54	25.200		
7,750.07	7,237.00	8,049.00	7,120.01	40.78	49.52	-86.58	-2,614.15	565.57	1,962.45	1,877.44	85.01	23.085		
7,800.00	7,237.09	8,101.07	7,120.41	41.41	49.83	-86.59	-2,614.02	515.63	1,962.49	1,876.19	86.31	22.739		
7,900.00	7,237.28	8,201.07	7,121.23	42.79	50.54	-86.61	-2,613.74	415.64	1,962.57	1,873.50	89.07	22.033		
8,000.00	7,237.47	8,301.07	7,122.04	44.31	51.40	-86.63	-2,613.47	315.65	1,962.65	1,870.54	92.11	21.307		
8,100.00	7,237.65	8,401.08	7,122.85	45.97	52.44	-86.65	-2,613.19	215.65	1,962.73	1,867.34	95.40	20.575		
8,200.00	7,237.84	8,501.08	7,123.67	47.75	53.65	-86.67	-2,612.92	115.66	1,962.81	1,863.91	98.90	19.846		
8,300.00	7,238.02	8,601.08	7,124.48	49.63	55.02	-86.68	-2,612.64	15.66	1,962.89	1,860.29	102.60	19.131		
8,400.00	7,238.21	8,701.08	7,125.30	51.61	56.56	-86.70	-2,612.37	-84.33	1,962.97	1,856.48	106.48	18.434		
8,500.00	7,238.40	8,801.09	7,126.11	53.66	58.23	-86.72	-2,612.09	-184.33	1,963.05	1,852.52	110.52	17.761		
8,600.00	7,238.58	8,901.09	7,126.92	55.79	60.03	-86.74	-2,611.82	-284.32	1,963.13	1,848.42	114.71	17.114		
8,700.00	7,238.77	8,998.91	7,127.74	57.99	61.90	-86.76	-2,611.55	-384.31	1,963.21	1,844.24	118.97	16.502		
8,800.00	7,238.96	9,101.09	7,128.55	60.24	63.95	-86.78	-2,611.27	-484.31	1,963.29	1,839.85	123.44	15.905		
8,900.00	7,239.14	9,201.09	7,129.36	62.54	66.03	-86.79	-2,611.00	-584.30	1,963.37	1,835.41	127.96	15.343		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	9,301.10	7,130.18	64.88	68.19	-86.81	-2,610.72	-684.30	1,963.45	1,830.87	132.58	14.809		
9,100.00	7,239.52	9,401.10	7,130.99	67.27	70.40	-86.83	-2,610.45	-784.29	1,963.53	1,826.25	137.28	14.303		
9,200.00	7,239.70	9,501.10	7,131.80	69.69	72.67	-86.85	-2,610.17	-884.29	1,963.61	1,821.56	142.05	13.823		
9,300.00	7,239.89	9,601.10	7,132.62	72.15	74.99	-86.87	-2,609.90	-984.28	1,963.69	1,816.80	146.89	13.368		
9,400.00	7,240.07	9,701.10	7,133.43	74.63	77.35	-86.89	-2,609.62	-1,084.27	1,963.78	1,811.98	151.80	12.937		
9,500.00	7,240.26	9,801.11	7,134.25	77.14	79.75	-86.91	-2,609.35	-1,184.27	1,963.86	1,807.11	156.75	12.528		
9,600.00	7,240.45	9,901.11	7,135.06	79.68	82.18	-86.92	-2,609.07	-1,284.26	1,963.94	1,802.18	161.76	12.141		
9,700.00	7,240.63	10,001.11	7,135.87	82.23	84.65	-86.94	-2,608.80	-1,384.26	1,964.02	1,797.21	166.81	11.774		
9,800.00	7,240.82	10,101.11	7,136.69	84.81	87.13	-86.96	-2,608.52	-1,484.25	1,964.10	1,792.20	171.90	11.426		
9,900.00	7,241.01	10,201.11	7,137.50	87.40	89.65	-86.98	-2,608.25	-1,584.25	1,964.19	1,787.15	177.03	11.095		
10,000.00	7,241.19	10,301.12	7,138.31	90.01	92.18	-87.00	-2,607.97	-1,684.24	1,964.27	1,782.07	182.20	10.781		
10,100.00	7,241.38	10,401.12	7,139.13	92.64	94.74	-87.02	-2,607.70	-1,784.23	1,964.35	1,776.95	187.40	10.482		
10,200.00	7,241.56	10,501.12	7,139.94	95.28	97.32	-87.03	-2,607.43	-1,884.23	1,964.44	1,771.81	192.63	10.198		
10,300.00	7,241.75	10,601.12	7,140.75	97.93	99.91	-87.05	-2,607.15	-1,984.22	1,964.52	1,766.64	197.88	9.928		
10,400.00	7,241.94	10,701.12	7,141.57	100.59	102.51	-87.07	-2,606.88	-2,084.22	1,964.60	1,761.44	203.16	9.670		
10,500.00	7,242.12	10,801.13	7,142.38	103.26	105.13	-87.09	-2,606.60	-2,184.21	1,964.69	1,756.23	208.46	9.425		
10,600.00	7,242.31	10,901.13	7,143.20	105.95	107.77	-87.11	-2,606.33	-2,284.21	1,964.77	1,750.99	213.79	9.190		
10,700.00	7,242.50	11,001.13	7,144.01	108.64	110.41	-87.13	-2,606.05	-2,384.20	1,964.86	1,745.73	219.13	8.967		
10,800.00	7,242.68	11,101.13	7,144.82	111.34	113.07	-87.15	-2,605.78	-2,484.19	1,964.94	1,740.45	224.49	8.753		
10,900.00	7,242.87	11,201.13	7,145.64	114.05	115.74	-87.16	-2,605.50	-2,584.19	1,965.03	1,735.16	229.87	8.548		
11,000.00	7,243.05	11,301.14	7,146.45	116.76	118.41	-87.18	-2,605.23	-2,684.18	1,965.11	1,729.85	235.26	8.353		
11,100.00	7,243.24	11,401.14	7,147.26	119.49	121.10	-87.20	-2,604.95	-2,784.18	1,965.20	1,724.52	240.67	8.165		
11,200.00	7,243.43	11,501.14	7,148.08	122.22	123.79	-87.22	-2,604.68	-2,884.17	1,965.28	1,719.18	246.10	7.986		
11,300.00	7,243.61	11,601.14	7,148.89	124.95	126.50	-87.24	-2,604.40	-2,984.17	1,965.37	1,713.83	251.54	7.813		
11,400.00	7,243.80	11,701.14	7,149.70	127.69	129.20	-87.26	-2,604.13	-3,084.16	1,965.45	1,708.47	256.98	7.648		
11,500.00	7,243.99	11,801.15	7,150.52	130.44	131.92	-87.27	-2,603.86	-3,184.15	1,965.54	1,703.09	262.45	7.489		
11,600.00	7,244.17	11,901.15	7,151.33	133.19	134.64	-87.29	-2,603.58	-3,284.15	1,965.62	1,697.71	267.92	7.337		
11,700.00	7,244.36	12,001.15	7,152.15	135.94	137.37	-87.31	-2,603.31	-3,384.14	1,965.71	1,692.31	273.40	7.190		
11,800.00	7,244.55	12,101.15	7,152.96	138.70	140.10	-87.33	-2,603.03	-3,484.14	1,965.80	1,686.91	278.89	7.049		
11,900.00	7,244.73	12,201.15	7,153.77	141.47	142.84	-87.35	-2,602.76	-3,584.13	1,965.88	1,681.49	284.39	6.913		
12,000.00	7,244.92	12,301.16	7,154.59	144.24	145.58	-87.37	-2,602.48	-3,684.12	1,965.97	1,676.07	289.90	6.782		
12,100.00	7,245.10	12,401.16	7,155.40	147.01	148.33	-87.38	-2,602.21	-3,784.12	1,966.06	1,670.64	295.41	6.655		
12,200.00	7,245.29	12,501.16	7,156.21	149.78	151.08	-87.40	-2,601.93	-3,884.11	1,966.15	1,665.21	300.94	6.533		
12,300.00	7,245.48	12,601.16	7,157.03	152.56	153.84	-87.42	-2,601.66	-3,984.11	1,966.23	1,659.76	306.47	6.416		
12,400.00	7,245.66	12,701.16	7,157.84	155.34	156.60	-87.44	-2,601.38	-4,084.10	1,966.32	1,654.31	312.01	6.302		
12,500.00	7,245.85	12,801.17	7,158.65	158.12	159.36	-87.46	-2,601.11	-4,184.10	1,966.41	1,648.86	317.55	6.192		
12,600.00	7,246.04	12,901.17	7,159.47	160.91	162.13	-87.48	-2,600.83	-4,284.09	1,966.50	1,643.39	323.10	6.086		
12,700.00	7,246.22	13,001.17	7,160.28	163.70	164.90	-87.50	-2,600.56	-4,384.08	1,966.58	1,637.92	328.66	5.984		
12,800.00	7,246.41	13,101.17	7,161.10	166.49	167.67	-87.51	-2,600.28	-4,484.08	1,966.67	1,632.45	334.22	5.884		
12,900.00	7,246.59	13,198.83	7,161.91	169.28	170.38	-87.53	-2,600.01	-4,584.07	1,966.76	1,627.04	339.73	5.789		
13,000.00	7,246.78	13,210.89	7,162.01	172.08	170.72	-87.53	-2,599.98	-4,596.13	1,968.82	1,626.64	342.18	5.754		
13,100.00	7,246.97	13,210.89	7,162.01	174.88	170.72	-87.53	-2,599.98	-4,596.13	1,975.90	1,632.47	343.42	5.754 SF		
13,200.00	7,247.15	13,210.89	7,162.01	177.68	170.72	-87.53	-2,599.98	-4,596.13	1,987.99	1,644.15	343.84	5.782		
13,300.00	7,247.34	13,210.89	7,162.01	180.48	170.72	-87.53	-2,599.98	-4,596.13	2,005.01	1,661.55	343.46	5.838		
13,400.00	7,247.53	13,210.89	7,162.01	183.28	170.72	-87.53	-2,599.98	-4,596.13	2,026.82	1,684.50	342.32	5.921		
13,500.00	7,247.71	13,210.89	7,162.01	186.09	170.72	-87.53	-2,599.98	-4,596.13	2,053.27	1,712.79	340.48	6.031		
13,600.00	7,247.90	13,210.89	7,162.01	188.90	170.72	-87.53	-2,599.98	-4,596.13	2,084.19	1,746.18	338.01	6.166		
13,700.00	7,248.08	13,210.89	7,162.01	191.70	170.72	-87.53	-2,599.98	-4,596.13	2,119.39	1,784.41	334.98	6.327		
13,800.00	7,248.27	13,210.89	7,162.01	194.52	170.72	-87.53	-2,599.98	-4,596.13	2,158.64	1,827.17	331.47	6.512		
13,900.00	7,248.46	13,210.89	7,162.01	197.33	170.72	-87.53	-2,599.98	-4,596.13	2,201.74	1,874.19	327.55	6.722		
14,000.00	7,248.64	13,210.89	7,162.01	200.14	170.72	-87.53	-2,599.98	-4,596.13	2,248.47	1,925.16	323.31	6.955		
14,100.00	7,248.83	13,210.89	7,162.01	202.95	170.72	-87.53	-2,599.98	-4,596.13	2,298.60	1,979.80	318.80	7.210		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	13,210.89	7,162.01	205.77	170.72	-87.53	-2,599.98	-4,596.13	2,351.91	2,037.81	314.10	7.488		
14,300.00	7,249.20	13,210.89	7,162.01	208.59	170.72	-87.53	-2,599.98	-4,596.13	2,408.20	2,098.93	309.27	7.787		
14,400.00	7,249.39	13,210.89	7,162.01	211.41	170.72	-87.53	-2,599.98	-4,596.13	2,467.26	2,162.91	304.35	8.107		
14,500.00	7,249.58	13,210.89	7,162.01	214.23	170.72	-87.53	-2,599.98	-4,596.13	2,528.89	2,229.51	299.39	8.447		
14,600.00	7,249.76	13,210.89	7,162.01	217.05	170.72	-87.53	-2,599.98	-4,596.13	2,592.92	2,298.50	294.42	8.807		
14,700.00	7,249.95	13,210.89	7,162.01	219.87	170.72	-87.53	-2,599.98	-4,596.13	2,659.17	2,369.67	289.49	9.186		
14,800.00	7,250.13	13,210.89	7,162.01	222.69	170.72	-87.53	-2,599.98	-4,596.13	2,727.47	2,442.85	284.62	9.583		
14,900.00	7,250.32	13,210.89	7,162.01	225.51	170.72	-87.53	-2,599.98	-4,596.13	2,797.69	2,517.86	279.82	9.998		
15,000.00	7,250.51	13,210.89	7,162.01	228.34	170.72	-87.53	-2,599.98	-4,596.13	2,869.67	2,594.55	275.12	10.431		
15,100.00	7,250.69	13,210.89	7,162.01	231.16	170.72	-87.53	-2,599.98	-4,596.13	2,943.28	2,672.76	270.53	10.880		
15,200.00	7,250.88	13,210.89	7,162.01	233.99	170.72	-87.53	-2,599.98	-4,596.13	3,018.42	2,752.37	266.05	11.345		
15,300.00	7,251.07	13,210.89	7,162.01	236.82	170.72	-87.53	-2,599.98	-4,596.13	3,094.96	2,833.26	261.70	11.826		
15,400.00	7,251.25	13,210.89	7,162.01	239.65	170.72	-87.53	-2,599.98	-4,596.13	3,172.81	2,915.33	257.48	12.322		
15,500.00	7,251.44	13,210.89	7,162.01	242.47	170.72	-87.53	-2,599.98	-4,596.13	3,251.87	2,998.48	253.39	12.833		
15,600.00	7,251.62	13,210.89	7,162.01	245.30	170.72	-87.53	-2,599.98	-4,596.13	3,332.06	3,082.62	249.44	13.358		
15,700.00	7,251.81	13,210.89	7,162.01	248.13	170.72	-87.53	-2,599.98	-4,596.13	3,413.29	3,167.67	245.62	13.897		
15,800.00	7,252.00	13,210.89	7,162.01	250.97	170.72	-87.53	-2,599.98	-4,596.13	3,495.50	3,253.56	241.93	14.448		
15,900.00	7,252.18	13,210.89	7,162.01	253.80	170.72	-87.53	-2,599.98	-4,596.13	3,578.61	3,340.23	238.38	15.012		
16,000.00	7,252.37	13,210.89	7,162.01	256.63	170.72	-87.53	-2,599.98	-4,596.13	3,662.56	3,427.61	234.95	15.589		
16,100.00	7,252.56	13,210.89	7,162.01	259.46	170.72	-87.53	-2,599.98	-4,596.13	3,747.31	3,515.66	231.65	16.177		
16,200.00	7,252.74	13,210.89	7,162.01	262.30	170.72	-87.53	-2,599.98	-4,596.13	3,832.78	3,604.32	228.47	16.776		
16,300.00	7,252.93	13,210.89	7,162.01	265.13	170.72	-87.53	-2,599.98	-4,596.13	3,918.95	3,693.55	225.40	17.386		
16,400.00	7,253.11	13,210.89	7,162.01	267.96	170.72	-87.53	-2,599.98	-4,596.13	4,005.76	3,783.30	222.46	18.007		
16,500.00	7,253.30	13,210.89	7,162.01	270.80	170.72	-87.53	-2,599.98	-4,596.13	4,093.17	3,873.55	219.62	18.638		
16,600.00	7,253.49	13,210.89	7,162.01	273.64	170.72	-87.53	-2,599.98	-4,596.13	4,181.15	3,964.26	216.89	19.278		
16,700.00	7,253.67	13,210.89	7,162.01	276.47	170.72	-87.53	-2,599.98	-4,596.13	4,269.65	4,055.39	214.26	19.927		
16,800.00	7,253.86	13,210.89	7,162.01	279.31	170.72	-87.53	-2,599.98	-4,596.13	4,358.65	4,146.92	211.73	20.586		
16,900.00	7,254.05	13,210.89	7,162.01	282.15	170.72	-87.53	-2,599.98	-4,596.13	4,448.12	4,238.83	209.30	21.253		
17,000.00	7,254.23	13,210.89	7,162.01	284.98	170.72	-87.53	-2,599.98	-4,596.13	4,538.03	4,331.08	206.95	21.928		
17,100.00	7,254.42	13,210.89	7,162.01	287.82	170.72	-87.53	-2,599.98	-4,596.13	4,628.36	4,423.66	204.70	22.611		
17,200.00	7,254.61	13,210.89	7,162.01	290.66	170.72	-87.53	-2,599.98	-4,596.13	4,719.07	4,516.55	202.52	23.301		
17,300.00	7,254.79	13,210.89	7,162.01	293.50	170.72	-87.53	-2,599.98	-4,596.13	4,810.15	4,609.72	200.43	23.999		
17,400.00	7,254.98	13,210.89	7,162.01	296.34	170.72	-87.53	-2,599.98	-4,596.13	4,901.58	4,703.17	198.42	24.704		
17,500.00	7,255.16	13,210.89	7,162.01	299.18	170.72	-87.53	-2,599.98	-4,596.13	4,993.34	4,796.86	196.47	25.415		
17,600.00	7,255.35	13,210.89	7,162.01	302.02	170.72	-87.53	-2,599.98	-4,596.13	5,085.41	4,890.80	194.60	26.132		
17,700.00	7,255.54	13,210.89	7,162.01	304.86	170.72	-87.53	-2,599.98	-4,596.13	5,177.77	4,984.97	192.80	26.856		
17,800.00	7,255.72	13,210.89	7,162.01	307.70	170.72	-87.53	-2,599.98	-4,596.13	5,270.41	5,079.35	191.06	27.585		
17,900.00	7,255.91	13,210.89	7,162.01	310.54	170.72	-87.53	-2,599.98	-4,596.13	5,363.32	5,173.93	189.39	28.320		
18,000.00	7,256.10	13,210.89	7,162.01	313.39	170.72	-87.53	-2,599.98	-4,596.13	5,456.47	5,268.71	187.77	29.060		
18,100.00	7,256.28	13,210.89	7,162.01	316.23	170.72	-87.53	-2,599.98	-4,596.13	5,549.87	5,363.66	186.21	29.804		
18,200.00	7,256.47	13,210.89	7,162.01	319.07	170.72	-87.53	-2,599.98	-4,596.13	5,643.49	5,458.79	184.70	30.554		
18,300.00	7,256.65	13,210.89	7,162.01	321.91	170.72	-87.53	-2,599.98	-4,596.13	5,737.33	5,554.08	183.25	31.308		
18,400.00	7,256.84	13,210.89	7,162.01	324.76	170.72	-87.53	-2,599.98	-4,596.13	5,831.37	5,649.52	181.85	32.067		
18,500.00	7,257.03	13,210.89	7,162.01	327.60	170.72	-87.53	-2,599.98	-4,596.13	5,925.61	5,745.11	180.49	32.830		
18,600.00	7,257.21	13,210.89	7,162.01	330.44	170.72	-87.53	-2,599.98	-4,596.13	6,020.03	5,840.84	179.19	33.596		
18,700.00	7,257.40	13,210.89	7,162.01	333.29	170.72	-87.53	-2,599.98	-4,596.13	6,114.63	5,936.71	177.92	34.367		
18,800.00	7,257.59	13,210.89	7,162.01	336.13	170.72	-87.53	-2,599.98	-4,596.13	6,209.40	6,032.70	176.70	35.141		
18,900.00	7,257.77	13,210.89	7,162.01	338.98	170.72	-87.53	-2,599.98	-4,596.13	6,304.33	6,128.81	175.52	35.918		
19,000.00	7,257.96	13,210.89	7,162.01	341.82	170.72	-87.53	-2,599.98	-4,596.13	6,399.41	6,225.03	174.38	36.698		
19,022.43	7,258.00	13,210.89	7,162.01	342.46	170.72	-87.53	-2,599.98	-4,596.13	6,420.76	6,246.63	174.13	36.874		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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		
0.00	0.00	0.00	0.00	3.28	3.28	0.71	45.18	0.56	45.18					
100.00	100.00	100.00	100.00	3.28	3.28	0.71	45.18	0.56	45.18	38.61	6.57	6.878		
200.00	200.00	200.00	200.00	3.34	3.34	0.71	45.18	0.56	45.18	38.51	6.67	6.770		
204.70	204.70	204.70	204.70	3.34	3.34	0.71	45.18	0.56	45.18	38.50	6.68	6.762 CC		
300.00	300.00	299.96	299.94	3.44	3.44	2.92	45.16	2.30	45.21	38.33	6.89	6.565		
400.00	399.98	399.77	399.60	3.60	3.60	-108.58	45.09	7.52	46.24	39.05	7.20	6.427		
500.00	499.84	499.40	498.86	3.79	3.80	-104.23	44.98	16.19	49.07	41.47	7.59	6.462		
600.00	599.45	598.84	597.56	4.03	4.05	-100.41	44.83	28.27	53.65	45.57	8.08	6.641		
700.00	698.70	698.05	695.55	4.30	4.33	-97.32	44.64	43.74	59.94	51.29	8.64	6.935		
800.00	797.47	796.99	792.68	4.61	4.65	-94.97	44.41	62.53	67.84	58.56	9.28	7.310		
900.00	895.62	903.90	889.36	4.96	5.04	-93.52	44.14	84.33	77.14	67.13	10.01	7.706		
939.50	934.20	935.41	927.67	5.10	5.16	-93.58	44.03	93.16	80.95	70.68	10.27	7.880		
1,000.00	993.20	1,004.38	986.34	5.33	5.43	-94.04	43.86	106.69	86.82	76.05	10.77	8.060		
1,100.00	1,090.72	1,104.85	1,083.32	5.73	5.85	-94.69	43.59	129.05	96.52	84.94	11.58	8.335		
1,200.00	1,188.24	1,205.33	1,180.29	6.15	6.28	-95.21	43.31	151.41	106.24	93.81	12.43	8.550		
1,300.00	1,285.76	1,305.81	1,277.27	6.59	6.73	-95.64	43.03	173.77	115.96	102.66	13.30	8.719		
1,400.00	1,383.28	1,406.28	1,374.25	7.04	7.18	-96.01	42.75	196.13	125.69	111.49	14.20	8.852		
1,500.00	1,480.80	1,506.76	1,471.23	7.50	7.65	-96.33	42.48	218.49	135.42	120.30	15.12	8.958		
1,600.00	1,578.31	1,607.24	1,568.21	7.96	8.13	-96.60	42.20	240.85	145.16	129.11	16.05	9.043		
1,700.00	1,675.83	1,707.72	1,665.18	8.44	8.61	-96.84	41.92	263.21	154.90	137.90	17.00	9.112		
1,800.00	1,773.35	1,791.81	1,762.16	8.92	9.01	-97.05	41.64	285.57	164.64	146.76	17.88	9.208		
1,900.00	1,870.87	1,908.67	1,859.14	9.40	9.58	-97.24	41.37	307.93	174.38	155.45	18.93	9.213		
2,000.00	1,968.39	2,009.15	1,956.12	9.89	10.08	-97.40	41.09	330.29	184.13	164.22	19.91	9.250		
2,100.00	2,065.91	2,109.63	2,053.10	10.39	10.58	-97.56	40.81	352.65	193.87	172.98	20.89	9.280		
2,200.00	2,163.43	2,189.90	2,150.07	10.88	10.98	-97.69	40.54	375.01	203.62	181.84	21.78	9.349		
2,300.00	2,260.95	2,289.42	2,247.05	11.38	11.48	-97.81	40.26	397.37	213.37	190.60	22.77	9.370		
2,400.00	2,358.46	2,388.94	2,344.03	11.89	11.98	-97.93	39.98	419.73	223.12	199.35	23.77	9.388		
2,500.00	2,455.98	2,488.47	2,441.01	12.39	12.48	-98.03	39.70	442.09	232.87	208.10	24.77	9.403		
2,600.00	2,553.50	2,587.99	2,537.99	12.89	12.98	-98.13	39.43	464.45	242.62	216.85	25.77	9.415		
2,700.00	2,651.02	2,687.51	2,634.96	13.40	13.49	-98.21	39.15	486.81	252.37	225.59	26.78	9.425		
2,800.00	2,748.54	2,787.03	2,731.94	13.91	14.00	-98.29	38.87	509.17	262.12	234.34	27.79	9.434		
2,900.00	2,846.06	2,886.56	2,828.92	14.42	14.50	-98.37	38.60	531.53	271.87	243.08	28.80	9.441		
3,000.00	2,943.58	2,986.08	2,925.90	14.93	15.01	-98.44	38.32	553.89	281.63	251.82	29.81	9.447		
3,100.00	3,041.10	3,085.60	3,022.88	15.45	15.53	-98.51	38.04	576.25	291.38	260.55	30.83	9.452		
3,200.00	3,138.61	3,185.12	3,119.85	15.96	16.04	-98.57	37.76	598.61	301.13	269.29	31.85	9.456		
3,300.00	3,236.13	3,284.65	3,216.83	16.47	16.55	-98.62	37.49	620.97	310.89	278.02	32.86	9.460		
3,400.00	3,333.65	3,384.17	3,313.81	16.99	17.06	-98.68	37.21	643.33	320.64	286.76	33.89	9.462		
3,500.00	3,431.17	3,483.69	3,410.79	17.50	17.58	-98.73	36.93	665.68	330.40	295.49	34.91	9.465		
3,600.00	3,528.69	3,583.21	3,507.77	18.02	18.09	-98.78	36.66	688.04	340.15	304.22	35.93	9.466		
3,700.00	3,626.21	3,682.74	3,604.74	18.54	18.60	-98.82	36.38	710.40	349.91	312.95	36.96	9.468		
3,800.00	3,723.73	3,782.26	3,701.72	19.06	19.12	-98.86	36.10	732.76	359.66	321.68	37.98	9.469		
3,900.00	3,821.25	3,881.78	3,798.70	19.57	19.64	-98.90	35.82	755.12	369.42	330.40	39.01	9.469		
4,000.00	3,918.77	3,981.31	3,895.68	20.09	20.15	-98.94	35.55	777.48	379.17	339.13	40.04	9.470		
4,100.00	4,016.28	4,080.83	3,992.66	20.61	20.67	-98.98	35.27	799.84	388.93	347.86	41.07	9.470		
4,200.00	4,113.80	4,180.35	4,089.63	21.13	21.19	-99.01	34.99	822.20	398.68	356.58	42.10	9.470		
4,300.00	4,211.32	4,279.87	4,186.61	21.65	21.70	-99.05	34.72	844.56	408.44	365.31	43.13	9.470		
4,400.00	4,308.84	4,379.40	4,283.59	22.17	22.22	-99.08	34.44	866.92	418.19	374.03	44.16	9.470		
4,500.00	4,406.36	4,478.92	4,380.57	22.69	22.74	-99.11	34.16	889.28	427.95	382.76	45.19	9.470		
4,600.00	4,503.88	4,578.44	4,477.55	23.21	23.26	-99.14	33.88	911.64	437.71	391.48	46.22	9.469		
4,700.00	4,601.40	4,677.96	4,574.53	23.73	23.78	-99.16	33.61	934.00	447.46	400.21	47.26	9.469		
4,800.00	4,698.92	4,777.49	4,671.50	24.26	24.30	-99.19	33.33	956.36	457.22	408.93	48.29	9.468		
4,900.00	4,796.43	4,877.01	4,768.48	24.78	24.81	-99.22	33.05	978.72	466.98	417.65	49.33	9.467		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,976.53	4,865.46	25.30	25.33	-99.24	32.77	1,001.08	476.73	426.37	50.36	9.466		
5,100.00	4,991.47	5,076.06	4,962.44	25.82	25.85	-99.26	32.50	1,023.44	486.49	435.10	51.40	9.466		
5,200.00	5,088.99	5,175.58	5,059.42	26.34	26.37	-99.29	32.22	1,045.80	496.25	443.82	52.43	9.465		
5,300.00	5,186.51	5,275.10	5,156.39	26.87	26.89	-99.31	31.94	1,068.16	506.00	452.54	53.47	9.464		
5,400.00	5,284.03	5,374.62	5,253.37	27.39	27.41	-99.33	31.67	1,090.52	515.76	461.26	54.50	9.463		
5,500.00	5,381.55	5,474.15	5,350.35	27.91	27.93	-99.35	31.39	1,112.88	525.52	469.98	55.54	9.462		
5,600.00	5,479.07	5,573.67	5,447.33	28.43	28.45	-99.37	31.11	1,135.24	535.27	478.70	56.58	9.461		
5,700.00	5,576.58	5,677.92	5,549.25	28.96	28.98	-99.55	30.84	1,157.12	544.64	487.00	57.64	9.448		
5,800.00	5,674.10	5,782.59	5,652.31	29.48	29.49	-100.10	30.61	1,175.36	553.08	494.40	58.68	9.425		
5,900.00	5,771.62	5,886.91	5,755.62	30.00	29.97	-101.02	30.44	1,189.78	560.70	501.03	59.67	9.396		
6,000.00	5,869.14	5,990.60	5,858.77	30.53	30.41	-102.27	30.30	1,200.38	567.65	507.02	60.63	9.363		
6,100.00	5,966.66	6,093.42	5,961.35	31.05	30.83	-103.84	30.22	1,207.20	574.16	512.62	61.54	9.330		
6,200.00	6,064.18	6,195.10	6,062.98	31.58	31.23	-105.70	30.18	1,210.32	580.48	518.08	62.40	9.303		
6,300.00	6,161.70	6,306.18	6,161.70	32.10	31.63	-107.74	30.18	1,210.56	587.04	523.79	63.25	9.281		
6,400.00	6,259.22	6,408.66	6,259.22	32.62	32.00	-109.73	30.18	1,210.56	594.31	530.26	64.05	9.278		
6,500.00	6,356.74	6,488.86	6,356.74	33.15	32.29	-111.67	30.18	1,210.56	602.31	537.54	64.77	9.300		
6,600.00	6,454.25	6,586.37	6,454.25	33.67	32.65	-113.56	30.18	1,210.56	611.01	545.47	65.53	9.324		
6,623.48	6,477.15	6,609.27	6,477.15	33.80	32.74	-113.99	30.18	1,210.56	613.15	547.44	65.71	9.331		
6,650.00	6,503.12	6,635.24	6,503.12	33.93	32.83	-120.25	30.18	1,210.56	615.62	549.71	65.91	9.340		
6,700.00	6,552.50	6,684.63	6,552.50	34.16	33.01	-140.13	30.18	1,210.56	620.44	554.16	66.29	9.360		
6,750.00	6,602.21	6,734.33	6,602.21	34.36	33.20	-178.80	30.18	1,210.56	625.34	558.69	66.66	9.382		
6,800.00	6,651.92	6,782.02	6,649.86	34.54	33.36	141.83	30.26	1,208.93	630.33	563.33	66.99	9.409		
6,850.00	6,701.33	6,829.61	6,697.15	34.70	33.53	121.75	30.52	1,203.77	635.46	568.13	67.33	9.438		
6,900.00	6,750.14	6,877.20	6,743.93	34.86	33.71	111.84	30.96	1,195.09	640.70	573.02	67.67	9.467		
6,950.00	6,798.04	6,924.81	6,789.96	35.02	33.89	106.16	31.58	1,182.94	646.02	577.98	68.04	9.495		
7,000.00	6,844.75	6,972.46	6,834.98	35.19	34.08	102.47	32.37	1,167.38	651.39	582.96	68.42	9.520		
7,050.00	6,889.97	7,020.17	6,878.75	35.37	34.29	99.87	33.33	1,148.48	656.77	587.93	68.84	9.541		
7,100.00	6,933.42	7,067.95	6,921.06	35.57	34.51	97.92	34.45	1,126.31	662.14	592.85	69.29	9.556		
7,150.00	6,974.83	7,115.83	6,961.65	35.79	34.76	96.39	35.74	1,100.99	667.46	597.68	69.78	9.565		
7,200.00	7,013.96	7,163.81	7,000.32	36.02	35.02	95.16	37.18	1,072.63	672.70	602.38	70.33	9.565		
7,250.00	7,050.56	7,211.91	7,036.82	36.28	35.31	94.16	38.77	1,041.36	677.83	606.91	70.92	9.557		
7,300.00	7,084.39	7,260.16	7,070.95	36.57	35.64	93.32	40.50	1,007.32	682.82	611.24	71.58	9.539		
7,350.00	7,115.27	7,308.56	7,102.50	36.89	35.99	92.62	42.36	970.68	687.64	615.33	72.31	9.510		
7,400.00	7,142.99	7,357.14	7,131.27	37.25	36.38	92.03	44.34	931.60	692.26	619.15	73.10	9.469		
7,450.00	7,167.38	7,405.89	7,157.06	37.65	36.81	91.54	46.44	890.30	696.65	622.67	73.98	9.417		
7,500.00	7,188.30	7,454.83	7,179.70	38.08	37.27	91.14	48.64	846.97	700.79	625.86	74.93	9.352		
7,550.00	7,205.61	7,503.98	7,199.01	38.55	37.78	90.82	50.93	801.85	704.65	628.69	75.96	9.276		
7,600.00	7,219.20	7,553.34	7,214.83	39.06	38.32	90.58	53.30	755.17	708.21	631.15	77.06	9.190		
7,650.00	7,229.00	7,602.91	7,227.04	39.61	38.91	90.40	55.73	707.19	711.45	633.21	78.23	9.094		
7,700.00	7,234.95	7,652.71	7,235.49	40.18	39.52	90.29	58.22	658.20	714.35	634.88	79.46	8.990		
7,750.07	7,237.00	7,702.79	7,240.11	40.78	40.16	90.25	60.75	608.41	716.89	636.15	80.74	8.879		
7,800.00	7,237.09	7,752.84	7,241.03	41.41	40.82	90.32	63.28	558.44	719.23	637.17	82.05	8.765		
7,900.00	7,237.28	7,852.73	7,241.19	42.79	42.26	90.32	68.35	458.68	723.91	638.99	84.91	8.525		
8,000.00	7,237.47	7,952.62	7,241.36	44.31	43.82	90.31	73.41	358.91	728.59	640.55	88.04	8.276		
8,100.00	7,237.65	8,052.51	7,241.53	45.97	45.51	90.31	78.48	259.15	733.27	641.85	91.42	8.021		
8,200.00	7,237.84	8,152.40	7,241.69	47.75	47.32	90.30	83.54	159.39	737.95	642.92	95.02	7.766		
8,300.00	7,238.02	8,252.29	7,241.86	49.63	49.22	90.30	88.61	59.63	742.63	643.80	98.83	7.514		
8,400.00	7,238.21	8,352.18	7,242.03	51.61	51.22	90.30	93.67	-40.13	747.30	644.49	102.81	7.269		
8,500.00	7,238.40	8,452.07	7,242.19	53.66	53.30	90.29	98.74	-139.90	751.98	645.03	106.95	7.031		
8,600.00	7,238.58	8,551.96	7,242.36	55.79	55.44	90.29	103.80	-239.66	756.66	645.43	111.24	6.802		
8,700.00	7,238.77	8,651.85	7,242.52	57.99	57.66	90.29	108.87	-339.42	761.34	645.70	115.64	6.583		
8,800.00	7,238.96	8,751.74	7,242.69	60.24	59.92	90.28	113.93	-439.18	766.02	645.86	120.16	6.375		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	8,851.63	7,242.86	62.54	62.24	90.28	119.00	-538.94	770.70	645.92	124.78	6.176		
9,000.00	7,239.33	8,951.52	7,243.02	64.88	64.60	90.28	124.06	-638.70	775.38	645.89	129.49	5.988		
9,100.00	7,239.52	9,051.42	7,243.19	67.27	67.00	90.28	129.12	-738.47	780.06	645.79	134.28	5.809		
9,200.00	7,239.70	9,151.31	7,243.36	69.69	69.44	90.27	134.19	-838.23	784.74	645.61	139.14	5.640		
9,300.00	7,239.89	9,251.20	7,243.52	72.15	71.90	90.27	139.25	-937.99	789.42	645.36	144.06	5.480		
9,400.00	7,240.07	9,351.09	7,243.69	74.63	74.40	90.27	144.32	-1,037.75	794.10	645.06	149.04	5.328		
9,500.00	7,240.26	9,450.98	7,243.85	77.14	76.92	90.26	149.38	-1,137.51	798.78	644.71	154.07	5.185		
9,600.00	7,240.45	9,550.87	7,244.02	79.68	79.47	90.26	154.45	-1,237.28	803.46	644.31	159.15	5.048		
9,700.00	7,240.63	9,650.76	7,244.19	82.23	82.04	90.26	159.51	-1,337.04	808.14	643.87	164.27	4.920		
9,800.00	7,240.82	9,750.65	7,244.35	84.81	84.63	90.25	164.58	-1,436.80	812.82	643.39	169.43	4.797		
9,900.00	7,241.01	9,850.54	7,244.52	87.40	87.23	90.25	169.64	-1,536.56	817.50	642.87	174.63	4.681		
10,000.00	7,241.19	9,950.43	7,244.69	90.01	89.85	90.25	174.71	-1,636.32	822.18	642.33	179.86	4.571		
10,100.00	7,241.38	10,050.32	7,244.85	92.64	92.49	90.25	179.77	-1,736.08	826.86	641.75	185.11	4.467		
10,200.00	7,241.56	10,150.21	7,245.02	95.28	95.14	90.24	184.84	-1,835.85	831.54	641.14	190.40	4.367		
10,300.00	7,241.75	10,250.10	7,245.19	97.93	97.80	90.24	189.90	-1,935.61	836.22	640.51	195.71	4.273		
10,400.00	7,241.94	10,349.99	7,245.35	100.59	100.48	90.24	194.97	-2,035.37	840.90	639.86	201.04	4.183		
10,500.00	7,242.12	10,449.88	7,245.52	103.26	103.16	90.24	200.03	-2,135.13	845.58	639.18	206.40	4.097		
10,600.00	7,242.31	10,549.77	7,245.68	105.95	105.85	90.23	205.09	-2,234.89	850.26	638.49	211.77	4.015		
10,700.00	7,242.50	10,649.66	7,245.85	108.64	108.56	90.23	210.16	-2,334.66	854.94	637.78	217.16	3.937		
10,800.00	7,242.68	10,749.55	7,246.02	111.34	111.27	90.23	215.22	-2,434.42	859.62	637.05	222.57	3.862		
10,900.00	7,242.87	10,849.44	7,246.18	114.05	113.99	90.22	220.29	-2,534.18	864.30	636.31	228.00	3.791		
11,000.00	7,243.05	10,949.33	7,246.35	116.76	116.71	90.22	225.35	-2,633.94	868.98	635.55	233.43	3.723		
11,100.00	7,243.24	11,049.22	7,246.52	119.49	119.45	90.22	230.42	-2,733.70	873.66	634.77	238.89	3.657		
11,200.00	7,243.43	11,149.11	7,246.68	122.22	122.19	90.22	235.48	-2,833.46	878.34	633.99	244.35	3.595		
11,300.00	7,243.61	11,249.00	7,246.85	124.95	124.93	90.22	240.55	-2,933.23	883.02	633.19	249.83	3.535		
11,400.00	7,243.80	11,352.74	7,247.02	127.69	127.79	90.21	245.78	-3,036.83	887.68	632.25	255.44	3.475		
11,500.00	7,243.99	11,457.69	7,247.27	130.44	131.77	90.21	248.84	-3,181.73	889.40	627.39	262.01	3.395		
11,600.00	7,244.17	11,625.09	7,247.50	133.19	135.26	90.21	245.73	-3,309.08	886.45	618.60	267.85	3.310		
11,700.00	7,244.36	11,725.01	7,247.68	135.94	137.99	90.21	242.23	-3,408.94	882.55	609.21	273.34	3.229		
11,800.00	7,244.55	11,824.93	7,247.86	138.70	140.73	90.21	238.73	-3,508.81	878.65	599.81	278.84	3.151		
11,900.00	7,244.73	11,924.86	7,248.05	141.47	143.47	90.21	235.22	-3,608.67	874.75	590.40	284.36	3.076		
12,000.00	7,244.92	12,024.78	7,248.23	144.24	146.22	90.21	231.72	-3,708.53	870.86	580.98	289.88	3.004		
12,100.00	7,245.10	12,124.71	7,248.41	147.01	148.96	90.21	228.21	-3,808.39	866.96	571.56	295.40	2.935		
12,200.00	7,245.29	12,224.63	7,248.59	149.78	151.72	90.22	224.71	-3,908.26	863.06	562.13	300.93	2.868		
12,300.00	7,245.48	12,324.55	7,248.78	152.56	154.47	90.22	221.20	-4,008.12	859.16	552.69	306.47	2.803		
12,400.00	7,245.66	12,424.48	7,248.96	155.34	157.23	90.22	217.70	-4,107.98	855.27	543.25	312.02	2.741		
12,500.00	7,245.85	12,524.40	7,249.14	158.12	159.99	90.22	214.19	-4,207.84	851.37	533.80	317.57	2.681		
12,600.00	7,246.04	12,624.33	7,249.32	160.91	162.76	90.22	210.69	-4,307.71	847.47	524.34	323.13	2.623		
12,700.00	7,246.22	12,724.25	7,249.51	163.70	165.53	90.22	207.19	-4,407.57	843.57	514.89	328.69	2.566		
12,800.00	7,246.41	12,824.17	7,249.69	166.49	168.30	90.22	203.68	-4,507.43	839.68	505.42	334.25	2.512		
12,900.00	7,246.59	12,924.10	7,249.87	169.28	171.07	90.22	200.18	-4,607.29	835.78	495.95	339.82	2.459		
13,000.00	7,246.78	13,024.02	7,250.05	172.08	173.85	90.22	196.67	-4,707.16	831.88	486.48	345.40	2.408		
13,100.00	7,246.97	13,123.95	7,250.23	174.88	176.62	90.22	193.17	-4,807.02	827.98	477.00	350.98	2.359		
13,200.00	7,247.15	13,223.87	7,250.42	177.68	179.40	90.22	189.66	-4,906.88	824.09	467.52	356.56	2.311		
13,300.00	7,247.34	13,323.79	7,250.60	180.48	182.18	90.22	186.16	-5,006.74	820.19	458.04	362.15	2.265		
13,400.00	7,247.53	13,423.72	7,250.78	183.28	184.97	90.22	182.65	-5,106.60	816.29	448.55	367.74	2.220		
13,500.00	7,247.71	13,523.64	7,250.96	186.09	187.75	90.23	179.15	-5,206.47	812.39	439.06	373.33	2.176		
13,600.00	7,247.90	13,623.57	7,251.15	188.90	190.54	90.23	175.65	-5,306.33	808.50	429.56	378.93	2.134		
13,700.00	7,248.08	13,723.49	7,251.33	191.70	193.33	90.23	172.14	-5,406.19	804.60	420.07	384.53	2.092		
13,800.00	7,248.27	13,823.41	7,251.51	194.52	196.12	90.23	168.64	-5,506.05	800.70	410.57	390.13	2.052		
13,900.00	7,248.46	13,923.34	7,251.69	197.33	198.91	90.23	165.13	-5,605.92	796.80	401.06	395.74	2.013		
14,000.00	7,248.64	14,023.26	7,251.87	200.14	201.71	90.23	161.63	-5,705.78	792.90	391.55	401.35	1.976		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	14,123.19	7,252.06	202.95	204.50	90.23	158.12	-5,805.64	789.01	382.05	406.96	1.939		
14,200.00	7,249.02	14,223.11	7,252.24	205.77	207.30	90.23	154.62	-5,905.50	785.11	372.53	412.58	1.903		
14,300.00	7,249.20	14,323.03	7,252.42	208.59	210.09	90.23	151.11	-6,005.37	781.21	363.02	418.19	1.868		
14,400.00	7,249.39	14,422.96	7,252.60	211.41	212.89	90.23	147.61	-6,105.23	777.31	353.50	423.81	1.834		
14,500.00	7,249.58	14,522.88	7,252.79	214.23	215.69	90.23	144.10	-6,205.09	773.42	343.98	429.43	1.801		
14,600.00	7,249.76	14,622.81	7,252.97	217.05	218.49	90.23	140.60	-6,304.95	769.52	334.46	435.06	1.769		
14,700.00	7,249.95	14,722.73	7,253.15	219.87	221.30	90.24	137.10	-6,404.82	765.62	324.94	440.68	1.737		
14,800.00	7,250.13	14,822.65	7,253.33	222.69	224.10	90.24	133.59	-6,504.68	761.72	315.41	446.31	1.707		
14,900.00	7,250.32	14,922.58	7,253.52	225.51	226.91	90.24	130.09	-6,604.54	757.83	305.89	451.94	1.677		
15,000.00	7,250.51	15,022.50	7,253.70	228.34	229.71	90.24	126.58	-6,704.40	753.93	296.36	457.57	1.648		
15,100.00	7,250.69	15,122.43	7,253.88	231.16	232.52	90.24	123.08	-6,804.27	750.03	286.83	463.20	1.619		
15,200.00	7,250.88	15,222.35	7,254.06	233.99	235.33	90.24	119.57	-6,904.13	746.13	277.30	468.84	1.591		
15,300.00	7,251.07	15,322.27	7,254.24	236.82	238.13	90.24	116.07	-7,003.99	742.24	267.76	474.48	1.564		
15,400.00	7,251.25	15,422.20	7,254.43	239.65	240.94	90.24	112.56	-7,103.85	738.34	258.23	480.11	1.538		
15,500.00	7,251.44	15,522.12	7,254.61	242.47	243.75	90.24	109.06	-7,203.71	734.44	248.69	485.75	1.512		
15,600.00	7,251.62	15,622.05	7,254.79	245.30	246.56	90.24	105.56	-7,303.58	730.54	239.15	491.40	1.487 Level 3		
15,700.00	7,251.81	15,721.97	7,254.97	248.13	249.38	90.25	102.05	-7,403.44	726.65	229.61	497.04	1.462 Level 3		
15,800.00	7,252.00	15,821.89	7,255.16	250.97	252.19	90.25	98.55	-7,503.30	722.75	220.07	502.68	1.438 Level 3		
15,900.00	7,252.18	15,921.82	7,255.34	253.80	255.00	90.25	95.04	-7,603.16	718.85	210.52	508.33	1.414 Level 3		
16,000.00	7,252.37	16,021.74	7,255.52	256.63	257.82	90.25	91.54	-7,703.03	714.95	200.98	513.97	1.391 Level 3		
16,100.00	7,252.56	16,121.67	7,255.70	259.46	260.63	90.25	88.03	-7,802.89	711.06	191.44	519.62	1.368 Level 3		
16,200.00	7,252.74	16,221.59	7,255.88	262.30	263.45	90.25	84.53	-7,902.75	707.16	181.89	525.27	1.346 Level 3		
16,300.00	7,252.93	16,321.51	7,256.07	265.13	266.26	90.25	81.02	-8,002.61	703.26	172.34	530.92	1.325 Level 3		
16,400.00	7,253.11	16,421.44	7,256.25	267.96	269.08	90.25	77.52	-8,102.48	699.36	162.79	536.57	1.303 Level 3		
16,500.00	7,253.30	16,521.36	7,256.43	270.80	271.89	90.25	74.02	-8,202.34	695.47	153.24	542.23	1.283 Level 3		
16,600.00	7,253.49	16,621.29	7,256.61	273.64	274.71	90.26	70.51	-8,302.20	691.57	143.69	547.88	1.262 Level 3		
16,700.00	7,253.67	16,721.21	7,256.80	276.47	277.53	90.26	67.01	-8,402.06	687.67	134.14	553.53	1.242 Level 2		
16,800.00	7,253.86	16,821.13	7,256.98	279.31	280.35	90.26	63.50	-8,501.93	683.77	124.58	559.19	1.223 Level 2		
16,900.00	7,254.05	16,921.06	7,257.16	282.15	283.17	90.26	60.00	-8,601.79	679.88	115.03	564.85	1.204 Level 2		
17,000.00	7,254.23	17,020.98	7,257.34	284.98	285.99	90.26	56.49	-8,701.65	675.98	105.48	570.50	1.185 Level 2		
17,100.00	7,254.42	17,120.91	7,257.53	287.82	288.81	90.26	52.99	-8,801.51	672.08	95.92	576.16	1.166 Level 2		
17,200.00	7,254.61	17,220.83	7,257.71	290.66	291.63	90.26	49.48	-8,901.38	668.18	86.36	581.82	1.148 Level 2		
17,300.00	7,254.79	17,320.75	7,257.89	293.50	294.45	90.26	45.98	-9,001.24	664.29	76.80	587.48	1.131 Level 2		
17,400.00	7,254.98	17,420.68	7,258.07	296.34	297.27	90.26	42.48	-9,101.10	660.39	67.25	593.14	1.113 Level 2		
17,500.00	7,255.16	17,520.60	7,258.25	299.18	300.10	90.27	38.97	-9,200.96	656.49	57.69	598.81	1.096 Level 2		
17,600.00	7,255.35	17,620.53	7,258.44	302.02	302.92	90.27	35.47	-9,300.82	652.59	48.13	604.47	1.080 Level 2		
17,700.00	7,255.54	17,720.45	7,258.62	304.86	305.74	90.27	31.96	-9,400.69	648.70	38.56	610.13	1.063 Level 2		
17,800.00	7,255.72	17,820.37	7,258.80	307.70	308.57	90.27	28.46	-9,500.55	644.80	29.00	615.80	1.047 Level 2		
17,900.00	7,255.91	17,920.30	7,258.98	310.54	311.39	90.27	24.95	-9,600.41	640.90	19.44	621.46	1.031 Level 2		
18,000.00	7,256.10	18,020.22	7,259.17	313.39	314.21	90.27	21.45	-9,700.27	637.00	9.88	627.13	1.016 Level 2		
18,100.00	7,256.28	18,120.15	7,259.35	316.23	317.04	90.27	17.94	-9,800.14	633.11	0.31	632.79	1.000 Level 2		
18,200.00	7,256.47	18,220.07	7,259.53	319.07	319.86	90.27	14.44	-9,900.00	629.21	-9.25	638.46	0.986 Level 1		
18,300.00	7,256.65	18,319.99	7,259.71	321.91	322.69	90.28	10.94	-9,999.86	625.31	-18.82	644.13	0.971 Level 1		
18,400.00	7,256.84	18,419.92	7,259.89	324.76	325.51	90.28	7.43	-10,099.72	621.41	-28.38	649.80	0.956 Level 1		
18,500.00	7,257.03	18,519.84	7,260.08	327.60	328.34	90.28	3.93	-10,199.59	617.52	-37.95	655.47	0.942 Level 1		
18,600.00	7,257.21	18,619.77	7,260.26	330.44	331.17	90.28	0.42	-10,299.45	613.62	-47.52	661.14	0.928 Level 1		
18,700.00	7,257.40	18,719.69	7,260.44	333.29	333.99	90.28	-3.08	-10,399.31	609.72	-57.08	666.81	0.914 Level 1		
18,800.00	7,257.59	18,819.61	7,260.62	336.13	336.82	90.28	-6.59	-10,499.17	605.82	-66.65	672.48	0.901 Level 1		
18,900.00	7,257.77	18,919.54	7,260.81	338.98	339.65	90.28	-10.09	-10,599.04	601.93	-76.22	678.15	0.888 Level 1		
19,000.00	7,257.96	19,019.46	7,260.99	341.82	342.48	90.29	-13.60	-10,698.90	598.03	-85.79	683.82	0.875 Level 1		
19,022.43	7,258.00	19,025.91	7,261.00	342.46	342.66	90.29	-13.82	-10,705.34	597.37	-87.70	685.07	0.872 Level 1, ES, SF		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	60.11	0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	60.11	0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	60.11	0.56	60.11	53.44	6.67	9.007 CC, ES		
300.00	300.00	299.58	299.56	3.44	3.44	2.14	60.41	2.26	60.45	53.57	6.89	8.777		
400.00	399.98	398.99	398.83	3.60	3.60	-110.62	61.31	7.36	62.36	55.16	7.20	8.663		
500.00	499.84	498.20	497.66	3.79	3.80	-107.58	62.80	15.83	66.59	58.99	7.60	8.764		
600.00	599.45	597.13	595.86	4.03	4.05	-104.97	64.88	27.62	73.11	65.03	8.08	9.044		
700.00	698.70	695.72	693.25	4.30	4.33	-102.89	67.54	42.69	81.87	73.22	8.65	9.468		
800.00	797.47	805.99	789.77	4.61	4.68	-101.33	70.76	60.98	92.78	83.47	9.32	9.957		
900.00	895.62	906.74	886.95	4.96	5.04	-101.20	74.26	80.81	104.98	94.97	10.01	10.484		
939.50	934.20	932.43	925.31	5.10	5.14	-101.63	75.64	88.64	109.99	99.74	10.25	10.731		
1,000.00	993.20	1,007.60	984.03	5.33	5.43	-102.55	77.76	100.63	117.77	107.01	10.76	10.944		
1,100.00	1,090.72	1,108.48	1,081.09	5.73	5.83	-103.84	81.25	120.44	130.69	119.13	11.55	11.311		
1,200.00	1,188.24	1,209.35	1,178.15	6.15	6.25	-104.90	84.74	140.25	143.65	131.27	12.38	11.604		
1,300.00	1,285.76	1,289.77	1,275.21	6.59	6.59	-105.78	88.24	160.07	156.66	143.51	13.15	11.917		
1,400.00	1,383.28	1,388.90	1,372.27	7.04	7.03	-106.52	91.73	179.88	169.70	155.68	14.01	12.110		
1,500.00	1,480.80	1,488.02	1,469.33	7.50	7.47	-107.16	95.22	199.69	182.76	167.86	14.90	12.267		
1,600.00	1,578.31	1,587.15	1,566.39	7.96	7.92	-107.72	98.72	219.50	195.84	180.04	15.80	12.395		
1,700.00	1,675.83	1,686.27	1,663.45	8.44	8.37	-108.20	102.21	239.32	208.94	192.22	16.71	12.501		
1,800.00	1,773.35	1,785.39	1,760.52	8.92	8.83	-108.63	105.70	259.13	222.05	204.41	17.64	12.588		
1,900.00	1,870.87	1,884.52	1,857.58	9.40	9.30	-109.01	109.20	278.94	235.17	216.60	18.57	12.662		
2,000.00	1,968.39	1,983.64	1,954.64	9.89	9.76	-109.35	112.69	298.75	248.30	228.78	19.51	12.724		
2,100.00	2,065.91	2,082.77	2,051.70	10.39	10.23	-109.65	116.18	318.56	261.44	240.97	20.46	12.776		
2,200.00	2,163.43	2,181.89	2,148.76	10.88	10.71	-109.93	119.68	338.38	274.58	253.16	21.42	12.820		
2,300.00	2,260.95	2,281.01	2,245.82	11.38	11.18	-110.18	123.17	358.19	287.73	265.35	22.38	12.858		
2,400.00	2,358.46	2,380.14	2,342.88	11.89	11.66	-110.41	126.66	378.00	300.89	277.54	23.34	12.891		
2,500.00	2,455.98	2,479.26	2,439.94	12.39	12.14	-110.62	130.16	397.81	314.04	289.74	24.31	12.919		
2,600.00	2,553.50	2,578.39	2,537.00	12.89	12.62	-110.81	133.65	417.63	327.21	301.93	25.28	12.943		
2,700.00	2,651.02	2,677.51	2,634.07	13.40	13.11	-110.99	137.14	437.44	340.37	314.12	26.25	12.964		
2,800.00	2,748.54	2,776.64	2,731.13	13.91	13.59	-111.15	140.64	457.25	353.54	326.31	27.23	12.983		
2,900.00	2,846.06	2,875.76	2,828.19	14.42	14.08	-111.30	144.13	477.06	366.71	338.50	28.21	12.999		
3,000.00	2,943.58	2,974.88	2,925.25	14.93	14.57	-111.45	147.63	496.88	379.89	350.70	29.19	13.013		
3,100.00	3,041.10	3,074.01	3,022.31	15.45	15.05	-111.58	151.12	516.69	393.06	362.89	30.18	13.025		
3,200.00	3,138.61	3,173.13	3,119.37	15.96	15.54	-111.70	154.61	536.50	406.24	375.08	31.16	13.036		
3,300.00	3,236.13	3,272.26	3,216.43	16.47	16.03	-111.82	158.11	556.31	419.42	387.27	32.15	13.046		
3,400.00	3,333.65	3,371.38	3,313.49	16.99	16.52	-111.93	161.60	576.13	432.61	399.47	33.14	13.055		
3,500.00	3,431.17	3,470.50	3,410.55	17.50	17.01	-112.03	165.09	595.94	445.79	411.66	34.13	13.062		
3,600.00	3,528.69	3,569.63	3,507.62	18.02	17.50	-112.13	168.59	615.75	458.97	423.85	35.12	13.069		
3,700.00	3,626.21	3,668.75	3,604.68	18.54	18.00	-112.22	172.08	635.56	472.16	436.05	36.11	13.075		
3,800.00	3,723.73	3,767.88	3,701.74	19.06	18.49	-112.31	175.57	655.38	485.35	448.24	37.10	13.080		
3,900.00	3,821.25	3,867.00	3,798.80	19.57	18.98	-112.39	179.07	675.19	498.53	460.43	38.10	13.085		
4,000.00	3,918.77	3,966.13	3,895.86	20.09	19.47	-112.47	182.56	695.00	511.72	472.63	39.09	13.089		
4,100.00	4,016.28	4,065.25	3,992.92	20.61	19.97	-112.54	186.05	714.81	524.91	484.82	40.09	13.093		
4,200.00	4,113.80	4,164.37	4,089.98	21.13	20.46	-112.61	189.55	734.63	538.10	497.01	41.09	13.096		
4,300.00	4,211.32	4,263.50	4,187.04	21.65	20.96	-112.68	193.04	754.44	551.29	509.21	42.09	13.099		
4,400.00	4,308.84	4,362.62	4,284.10	22.17	21.45	-112.74	196.53	774.25	564.49	521.40	43.08	13.102		
4,500.00	4,406.36	4,461.75	4,381.17	22.69	21.95	-112.80	200.03	794.06	577.68	533.60	44.08	13.105		
4,600.00	4,503.88	4,560.87	4,478.23	23.21	22.44	-112.86	203.52	813.88	590.87	545.79	45.08	13.107		
4,700.00	4,601.40	4,659.99	4,575.29	23.73	22.94	-112.92	207.01	833.69	604.06	557.98	46.08	13.109		
4,800.00	4,698.92	4,759.12	4,672.35	24.26	23.43	-112.97	210.51	853.50	617.26	570.18	47.08	13.110		
4,900.00	4,796.43	4,858.24	4,769.41	24.78	23.93	-113.02	214.00	873.31	630.45	582.37	48.08	13.112		
5,000.00	4,893.95	4,957.37	4,866.47	25.30	24.43	-113.07	217.49	893.13	643.65	594.56	49.08	13.113		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,056.49	4,963.53	25.82	24.92	-113.12	220.99	912.94	656.84	606.76	50.09	13.114		
5,200.00	5,088.99	5,155.61	5,060.59	26.34	25.42	-113.16	224.48	932.75	670.04	618.95	51.09	13.115		
5,300.00	5,186.51	5,254.74	5,157.65	26.87	25.92	-113.20	227.97	952.56	683.24	631.15	52.09	13.116		
5,400.00	5,284.03	5,353.86	5,254.72	27.39	26.41	-113.25	231.47	972.37	696.43	643.34	53.09	13.117		
5,500.00	5,381.55	5,452.99	5,351.78	27.91	26.91	-113.29	234.96	992.19	709.63	655.53	54.10	13.118		
5,600.00	5,479.07	5,552.11	5,448.84	28.43	27.41	-113.32	238.46	1,012.00	722.83	667.73	55.10	13.118		
5,700.00	5,576.58	5,651.24	5,545.90	28.96	27.90	-113.36	241.95	1,031.81	736.03	679.92	56.10	13.119		
5,800.00	5,674.10	5,750.36	5,642.96	29.48	28.40	-113.40	245.44	1,051.62	749.23	692.12	57.11	13.119		
5,900.00	5,771.62	5,849.48	5,740.02	30.00	28.90	-113.43	248.94	1,071.44	762.42	704.31	58.11	13.120		
6,000.00	5,869.14	5,948.61	5,837.08	30.53	29.40	-113.47	252.43	1,091.25	775.62	716.50	59.12	13.120		
6,100.00	5,966.66	6,047.73	5,934.14	31.05	29.90	-113.50	255.92	1,111.06	788.82	728.70	60.12	13.120		
6,200.00	6,064.18	6,146.86	6,031.20	31.58	30.39	-113.53	259.42	1,130.87	802.02	740.89	61.13	13.120		
6,300.00	6,161.70	6,245.98	6,128.27	32.10	30.89	-113.56	262.91	1,150.69	815.22	753.09	62.13	13.120		
6,400.00	6,259.22	6,345.10	6,225.33	32.62	31.39	-113.59	266.40	1,170.50	828.42	765.28	63.14	13.121		
6,500.00	6,356.74	6,444.23	6,322.39	33.15	31.89	-113.62	269.90	1,190.31	841.62	777.47	64.14	13.121		
6,600.00	6,454.25	6,543.43	6,419.91	33.67	32.37	-113.80	273.45	1,207.93	854.82	789.69	65.13	13.125		
6,623.48	6,477.15	6,566.53	6,442.88	33.80	32.47	-113.96	274.33	1,210.22	857.92	792.58	65.34	13.130		
6,650.00	6,503.12	6,592.46	6,468.74	33.93	32.58	-120.09	275.34	1,211.80	861.46	795.89	65.57	13.138		
6,700.00	6,552.50	6,640.99	6,517.22	34.16	32.76	-139.99	277.28	1,211.91	868.27	802.32	65.96	13.165		
6,750.00	6,602.21	6,689.08	6,565.13	34.36	32.94	-179.02	279.28	1,208.37	875.23	808.93	66.30	13.201		
6,800.00	6,651.92	6,736.77	6,612.23	34.54	33.11	141.06	281.32	1,201.30	882.28	815.66	66.62	13.244		
6,850.00	6,701.33	6,784.08	6,658.31	34.70	33.29	120.44	283.39	1,190.82	889.39	822.45	66.93	13.287		
6,900.00	6,750.14	6,831.05	6,703.16	34.86	33.47	110.01	285.48	1,177.06	896.49	829.23	67.26	13.329		
6,950.00	6,798.04	6,877.71	6,746.58	35.02	33.66	103.82	287.57	1,160.15	903.55	835.95	67.60	13.367		
7,000.00	6,844.75	6,924.08	6,788.40	35.19	33.87	99.65	289.66	1,140.23	910.51	842.55	67.95	13.399		
7,050.00	6,889.97	6,970.21	6,828.44	35.37	34.08	96.59	291.74	1,117.46	917.33	848.99	68.34	13.423		
7,100.00	6,933.42	7,016.10	6,866.54	35.57	34.32	94.21	293.80	1,091.97	923.95	855.20	68.75	13.439		
7,150.00	6,974.83	7,061.80	6,902.56	35.79	34.57	92.28	295.82	1,063.93	930.35	861.14	69.21	13.443		
7,200.00	7,013.96	7,107.33	6,936.35	36.02	34.84	90.67	297.81	1,033.49	936.47	866.76	69.71	13.434		
7,250.00	7,050.56	7,152.72	6,967.78	36.28	35.14	89.31	299.75	1,000.81	942.27	872.01	70.26	13.412		
7,300.00	7,084.39	7,197.99	6,996.73	36.57	35.46	88.16	301.63	966.08	947.71	876.85	70.87	13.373		
7,350.00	7,115.27	7,243.17	7,023.09	36.89	35.81	87.17	303.44	929.45	952.77	881.23	71.55	13.317		
7,400.00	7,142.99	7,288.27	7,046.74	37.25	36.19	86.33	305.18	891.10	957.41	885.11	72.30	13.243		
7,450.00	7,167.38	7,333.31	7,067.60	37.65	36.60	85.62	306.84	851.22	961.59	888.47	73.12	13.151		
7,500.00	7,188.30	7,378.33	7,085.58	38.08	37.05	85.03	308.41	809.99	965.30	891.28	74.02	13.041		
7,550.00	7,205.61	7,423.33	7,100.60	38.55	37.52	84.55	309.89	767.60	968.51	893.51	75.00	12.914		
7,600.00	7,219.20	7,468.34	7,112.59	39.06	38.02	84.18	311.27	724.25	971.20	895.15	76.04	12.772		
7,650.00	7,229.00	7,513.37	7,121.48	39.61	38.55	83.92	312.53	680.14	973.35	896.19	77.16	12.615		
7,700.00	7,234.95	7,558.43	7,127.25	40.18	39.10	83.76	313.69	635.47	974.95	896.63	78.32	12.448		
7,750.07	7,237.00	7,603.61	7,129.84	40.78	39.67	83.70	314.72	590.39	976.00	896.46	79.54	12.271		
7,800.00	7,237.09	7,652.17	7,130.07	41.41	40.32	83.71	315.73	541.84	976.82	895.98	80.84	12.083		
7,900.00	7,237.28	7,752.15	7,130.26	42.79	41.74	83.72	317.80	441.88	978.49	894.80	83.68	11.693		
8,000.00	7,237.47	7,852.14	7,130.45	44.31	43.31	83.73	319.87	341.91	980.15	893.35	86.80	11.292		
8,100.00	7,237.65	7,952.12	7,130.65	45.97	45.00	83.74	321.93	241.95	981.82	891.65	90.17	10.889		
8,200.00	7,237.84	8,052.11	7,130.84	47.75	46.81	83.76	324.00	141.98	983.49	889.72	93.77	10.489		
8,300.00	7,238.02	8,152.10	7,131.04	49.63	48.72	83.77	326.07	42.02	985.15	887.59	97.56	10.098		
8,400.00	7,238.21	8,252.08	7,131.23	51.61	50.72	83.78	328.14	-57.95	986.82	885.28	101.54	9.719		
8,500.00	7,238.40	8,352.07	7,131.42	53.66	52.80	83.79	330.21	-157.91	988.49	882.81	105.67	9.354		
8,600.00	7,238.58	8,452.05	7,131.62	55.79	54.95	83.80	332.27	-257.88	990.15	880.21	109.95	9.006		
8,700.00	7,238.77	8,552.04	7,131.81	57.99	57.16	83.81	334.34	-357.84	991.82	877.48	114.35	8.674		
8,800.00	7,238.96	8,652.03	7,132.01	60.24	59.43	83.82	336.41	-457.80	993.49	874.63	118.86	8.359		
8,900.00	7,239.14	8,752.01	7,132.20	62.54	61.75	83.83	338.48	-557.77	995.16	871.69	123.46	8.060		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	8,852.00	7,132.39	64.88	64.11	83.84	340.55	-657.73	996.82	868.66	128.16	7.778		
9,100.00	7,239.52	8,951.98	7,132.59	67.27	66.51	83.85	342.61	-757.70	998.49	865.55	132.94	7.511		
9,200.00	7,239.70	9,051.97	7,132.78	69.69	68.95	83.86	344.68	-857.66	1,000.16	862.38	137.78	7.259		
9,300.00	7,239.89	9,151.96	7,132.98	72.15	71.42	83.87	346.75	-957.63	1,001.82	859.13	142.69	7.021		
9,400.00	7,240.07	9,251.94	7,133.17	74.63	73.92	83.89	348.82	-1,057.59	1,003.49	855.83	147.66	6.796		
9,500.00	7,240.26	9,351.93	7,133.36	77.14	76.44	83.90	350.89	-1,157.55	1,005.16	852.48	152.68	6.584		
9,600.00	7,240.45	9,451.91	7,133.56	79.68	78.99	83.91	352.95	-1,257.52	1,006.83	849.09	157.74	6.383		
9,700.00	7,240.63	9,551.90	7,133.75	82.23	81.56	83.92	355.02	-1,357.48	1,008.49	845.65	162.85	6.193		
9,800.00	7,240.82	9,651.89	7,133.94	84.81	84.15	83.93	357.09	-1,457.45	1,010.16	842.17	167.99	6.013		
9,900.00	7,241.01	9,751.87	7,134.14	87.40	86.75	83.94	359.16	-1,557.41	1,011.83	838.66	173.17	5.843		
10,000.00	7,241.19	9,851.86	7,134.33	90.01	89.37	83.95	361.23	-1,657.38	1,013.50	835.11	178.39	5.681		
10,100.00	7,241.38	9,951.84	7,134.53	92.64	92.01	83.96	363.29	-1,757.34	1,015.16	831.54	183.63	5.528		
10,200.00	7,241.56	10,051.83	7,134.72	95.28	94.66	83.97	365.36	-1,857.30	1,016.83	827.94	188.90	5.383		
10,300.00	7,241.75	10,151.82	7,134.91	97.93	97.32	83.98	367.43	-1,957.27	1,018.50	824.31	194.19	5.245		
10,400.00	7,241.94	10,251.80	7,135.11	100.59	99.99	83.99	369.50	-2,057.23	1,020.17	820.66	199.51	5.113		
10,500.00	7,242.12	10,351.79	7,135.30	103.26	102.68	84.00	371.57	-2,157.20	1,021.83	816.99	204.84	4.988		
10,600.00	7,242.31	10,451.77	7,135.50	105.95	105.37	84.01	373.63	-2,257.16	1,023.50	813.30	210.20	4.869		
10,700.00	7,242.50	10,551.76	7,135.69	108.64	108.07	84.02	375.70	-2,357.13	1,025.17	809.60	215.57	4.756		
10,800.00	7,242.68	10,651.74	7,135.88	111.34	110.78	84.03	377.77	-2,457.09	1,026.84	805.87	220.97	4.647		
10,900.00	7,242.87	10,751.73	7,136.08	114.05	113.50	84.04	379.84	-2,557.06	1,028.51	802.13	226.37	4.543		
11,000.00	7,243.05	10,851.72	7,136.27	116.76	116.22	84.05	381.91	-2,657.02	1,030.17	798.38	231.79	4.444		
11,100.00	7,243.24	10,951.70	7,136.46	119.49	118.96	84.06	383.97	-2,756.98	1,031.84	794.61	237.23	4.350		
11,200.00	7,243.43	11,051.69	7,136.66	122.22	121.69	84.07	386.04	-2,856.95	1,033.51	790.83	242.68	4.259		
11,300.00	7,243.61	11,151.67	7,136.85	124.95	124.44	84.08	388.11	-2,956.91	1,035.18	787.04	248.13	4.172		
11,400.00	7,243.80	11,251.66	7,137.05	127.69	127.19	84.09	390.18	-3,056.88	1,036.85	783.24	253.60	4.088		
11,500.00	7,243.99	11,351.65	7,137.24	130.44	129.94	84.10	392.25	-3,156.84	1,038.51	779.43	259.08	4.008		
11,600.00	7,244.17	11,451.63	7,137.43	133.19	132.70	84.11	394.31	-3,256.81	1,040.18	775.61	264.57	3.932		
11,700.00	7,244.36	11,551.62	7,137.63	135.94	135.46	84.12	396.38	-3,356.77	1,041.85	771.78	270.07	3.858		
11,800.00	7,244.55	11,651.60	7,137.82	138.70	138.23	84.13	398.45	-3,456.73	1,043.52	767.94	275.58	3.787		
11,900.00	7,244.73	11,751.59	7,138.02	141.47	141.00	84.14	400.52	-3,556.70	1,045.19	764.09	281.10	3.718		
12,000.00	7,244.92	11,851.58	7,138.21	144.24	143.77	84.15	402.59	-3,656.66	1,046.85	760.23	286.62	3.652		
12,100.00	7,245.10	11,951.56	7,138.40	147.01	146.55	84.16	404.65	-3,756.63	1,048.52	756.37	292.15	3.589		
12,200.00	7,245.29	12,051.55	7,138.60	149.78	149.33	84.17	406.72	-3,856.59	1,050.19	752.50	297.69	3.528		
12,300.00	7,245.48	12,151.53	7,138.79	152.56	152.12	84.18	408.79	-3,956.56	1,051.86	748.63	303.23	3.469		
12,400.00	7,245.66	12,251.52	7,138.98	155.34	154.91	84.19	410.86	-4,056.52	1,053.53	744.75	308.78	3.412		
12,500.00	7,245.85	12,351.51	7,139.18	158.12	157.70	84.20	412.93	-4,156.48	1,055.20	740.86	314.34	3.357		
12,600.00	7,246.04	12,451.49	7,139.37	160.91	160.49	84.21	414.99	-4,256.45	1,056.86	736.97	319.90	3.304		
12,700.00	7,246.22	12,551.48	7,139.57	163.70	163.29	84.22	417.06	-4,356.41	1,058.53	733.07	325.46	3.252		
12,800.00	7,246.41	12,651.46	7,139.76	166.49	166.08	84.23	419.13	-4,456.38	1,060.20	729.17	331.03	3.203		
12,900.00	7,246.59	12,751.45	7,139.95	169.28	168.88	84.24	421.20	-4,556.34	1,061.87	725.26	336.61	3.155		
13,000.00	7,246.78	12,851.44	7,140.15	172.08	171.69	84.25	423.27	-4,656.31	1,063.54	721.35	342.19	3.108		
13,100.00	7,246.97	12,951.42	7,140.34	174.88	174.49	84.26	425.33	-4,756.27	1,065.21	717.43	347.77	3.063		
13,200.00	7,247.15	13,051.41	7,140.54	177.68	177.30	84.27	427.40	-4,856.24	1,066.87	713.51	353.36	3.019		
13,300.00	7,247.34	13,151.39	7,140.73	180.48	180.11	84.27	429.47	-4,956.20	1,068.54	709.59	358.95	2.977		
13,400.00	7,247.53	13,251.38	7,140.92	183.28	182.92	84.28	431.54	-5,056.16	1,070.21	705.66	364.55	2.936		
13,500.00	7,247.71	13,351.36	7,141.12	186.09	185.73	84.29	433.61	-5,156.13	1,071.88	701.73	370.15	2.896		
13,600.00	7,247.90	13,451.35	7,141.31	188.90	188.54	84.30	435.67	-5,256.09	1,073.55	697.79	375.75	2.857		
13,700.00	7,248.08	13,551.34	7,141.50	191.70	191.36	84.31	437.74	-5,356.06	1,075.22	693.86	381.36	2.819		
13,800.00	7,248.27	13,651.32	7,141.70	194.52	194.17	84.32	439.81	-5,456.02	1,076.89	689.92	386.97	2.783		
13,900.00	7,248.46	13,751.31	7,141.89	197.33	196.99	84.33	441.88	-5,555.99	1,078.55	685.97	392.58	2.747		
14,000.00	7,248.64	13,851.29	7,142.09	200.14	199.81	84.34	443.95	-5,655.95	1,080.22	682.03	398.20	2.713		
14,100.00	7,248.83	13,951.28	7,142.28	202.95	202.63	84.35	446.01	-5,755.91	1,081.89	678.08	403.82	2.679		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	14,051.27	7,142.47	205.77	205.45	84.36	448.08	-5,855.88	1,083.56	674.12	409.44	2.646		
14,300.00	7,249.20	14,151.25	7,142.67	208.59	208.28	84.37	450.15	-5,955.84	1,085.23	670.17	415.06	2.615		
14,400.00	7,249.39	14,251.24	7,142.86	211.41	211.10	84.38	452.22	-6,055.81	1,086.90	666.21	420.68	2.584		
14,500.00	7,249.58	14,351.22	7,143.06	214.23	213.93	84.39	454.29	-6,155.77	1,088.57	662.25	426.31	2.553		
14,600.00	7,249.76	14,451.21	7,143.25	217.05	216.75	84.39	456.35	-6,255.74	1,090.24	658.29	431.94	2.524		
14,700.00	7,249.95	14,551.20	7,143.44	219.87	219.58	84.40	458.42	-6,355.70	1,091.91	654.33	437.58	2.495		
14,800.00	7,250.13	14,651.18	7,143.64	222.69	222.41	84.41	460.49	-6,455.66	1,093.57	650.36	443.21	2.467		
14,900.00	7,250.32	14,751.17	7,143.83	225.51	225.24	84.42	462.56	-6,555.63	1,095.24	646.40	448.85	2.440		
15,000.00	7,250.51	14,859.06	7,144.04	228.34	228.29	84.43	464.71	-6,663.50	1,096.87	642.16	454.71	2.412		
15,100.00	7,250.69	15,020.54	7,144.36	231.16	232.84	84.42	462.33	-6,824.94	1,095.01	633.74	461.27	2.374		
15,200.00	7,250.88	15,123.18	7,144.56	233.99	235.72	84.39	457.68	-6,927.48	1,090.10	623.23	466.87	2.335		
15,300.00	7,251.07	15,223.06	7,144.75	236.82	238.52	84.37	453.14	-7,027.25	1,085.19	612.73	472.46	2.297		
15,400.00	7,251.25	15,322.94	7,144.95	239.65	241.32	84.34	448.60	-7,127.03	1,080.28	602.23	478.05	2.260		
15,500.00	7,251.44	15,422.82	7,145.15	242.47	244.12	84.32	444.06	-7,226.80	1,075.37	591.72	483.64	2.223		
15,600.00	7,251.62	15,522.69	7,145.34	245.30	246.93	84.29	439.52	-7,326.58	1,070.46	581.22	489.24	2.188		
15,700.00	7,251.81	15,622.57	7,145.54	248.13	249.73	84.26	434.99	-7,426.35	1,065.54	570.71	494.83	2.153		
15,800.00	7,252.00	15,722.45	7,145.74	250.97	252.54	84.24	430.45	-7,526.13	1,060.63	560.21	500.42	2.119		
15,900.00	7,252.18	15,822.33	7,145.93	253.80	255.34	84.21	425.91	-7,625.90	1,055.72	549.70	506.02	2.086		
16,000.00	7,252.37	15,922.21	7,146.13	256.63	258.15	84.19	421.37	-7,725.68	1,050.81	539.20	511.62	2.054		
16,100.00	7,252.56	16,022.09	7,146.33	259.46	260.96	84.16	416.83	-7,825.45	1,045.90	528.69	517.21	2.022		
16,200.00	7,252.74	16,121.96	7,146.52	262.30	263.76	84.13	412.29	-7,925.22	1,040.99	518.18	522.81	1.991		
16,300.00	7,252.93	16,221.84	7,146.72	265.13	266.57	84.10	407.75	-8,025.00	1,036.08	507.68	528.40	1.961		
16,400.00	7,253.11	16,321.72	7,146.92	267.96	269.38	84.08	403.21	-8,124.77	1,031.17	497.17	534.00	1.931		
16,500.00	7,253.30	16,421.60	7,147.11	270.80	272.19	84.05	398.67	-8,224.55	1,026.26	486.66	539.60	1.902		
16,600.00	7,253.49	16,521.48	7,147.31	273.64	275.00	84.02	394.14	-8,324.32	1,021.35	476.16	545.20	1.873		
16,700.00	7,253.67	16,621.35	7,147.51	276.47	277.81	83.99	389.60	-8,424.10	1,016.45	465.65	550.80	1.845		
16,800.00	7,253.86	16,721.23	7,147.70	279.31	280.63	83.96	385.06	-8,523.87	1,011.54	455.14	556.39	1.818		
16,900.00	7,254.05	16,821.11	7,147.90	282.15	283.44	83.93	380.52	-8,623.65	1,006.63	444.64	561.99	1.791		
17,000.00	7,254.23	16,920.99	7,148.09	284.98	286.25	83.91	375.98	-8,723.42	1,001.72	434.13	567.59	1.765		
17,100.00	7,254.42	17,020.87	7,148.29	287.82	289.07	83.88	371.44	-8,823.20	996.81	423.63	573.19	1.739		
17,200.00	7,254.61	17,120.75	7,148.49	290.66	291.88	83.85	366.90	-8,922.97	991.91	413.12	578.79	1.714		
17,300.00	7,254.79	17,220.62	7,148.68	293.50	294.69	83.82	362.36	-9,022.75	987.00	402.62	584.38	1.689		
17,400.00	7,254.98	17,320.50	7,148.88	296.34	297.51	83.79	357.83	-9,122.52	982.09	392.11	589.98	1.665		
17,500.00	7,255.16	17,420.38	7,149.08	299.18	300.32	83.75	353.29	-9,222.30	977.19	381.61	595.58	1.641		
17,600.00	7,255.35	17,520.26	7,149.27	302.02	303.14	83.72	348.75	-9,322.07	972.28	371.10	601.18	1.617		
17,700.00	7,255.54	17,620.14	7,149.47	304.86	305.96	83.69	344.21	-9,421.85	967.37	360.60	606.77	1.594		
17,800.00	7,255.72	17,720.01	7,149.67	307.70	308.77	83.66	339.67	-9,521.62	962.47	350.10	612.37	1.572		
17,900.00	7,255.91	17,819.89	7,149.86	310.54	311.59	83.63	335.13	-9,621.40	957.56	339.59	617.97	1.550		
18,000.00	7,256.10	17,919.77	7,150.06	313.39	314.41	83.60	330.59	-9,721.17	952.66	329.09	623.56	1.528		
18,100.00	7,256.28	18,019.65	7,150.26	316.23	317.23	83.56	326.05	-9,820.95	947.75	318.59	629.16	1.506		
18,200.00	7,256.47	18,119.53	7,150.45	319.07	320.04	83.53	321.51	-9,920.72	942.85	308.09	634.75	1.485 Level 3		
18,300.00	7,256.65	18,219.41	7,150.65	321.91	322.86	83.50	316.98	-10,020.50	937.94	297.59	640.35	1.465 Level 3		
18,400.00	7,256.84	18,319.28	7,150.85	324.76	325.68	83.46	312.44	-10,120.27	933.04	287.10	645.94	1.444 Level 3		
18,500.00	7,257.03	18,419.16	7,151.04	327.60	328.50	83.43	307.90	-10,220.05	928.13	276.60	651.53	1.425 Level 3		
18,600.00	7,257.21	18,519.04	7,151.24	330.44	331.32	83.40	303.36	-10,319.82	923.23	266.10	657.13	1.405 Level 3		
18,700.00	7,257.40	18,618.92	7,151.43	333.29	334.14	83.36	298.82	-10,419.59	918.33	255.61	662.72	1.386 Level 3		
18,800.00	7,257.59	18,718.80	7,151.63	336.13	336.96	83.33	294.28	-10,519.37	913.43	245.12	668.31	1.367 Level 3		
18,900.00	7,257.77	18,818.67	7,151.83	338.98	339.78	83.29	289.74	-10,619.14	908.52	234.62	673.90	1.348 Level 3		
19,000.00	7,257.96	18,906.26	7,152.00	341.82	342.26	83.26	285.76	-10,706.64	903.70	224.17	679.53	1.330 Level 3		
19,022.43	7,258.00	18,906.26	7,152.00	342.46	342.26	83.26	285.76	-10,706.64	903.19	222.63	680.55	1.327 Level 3, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-48.49	1,502.09	-1,697.41	2,266.60					
100.00	100.00	104.00	96.00	3.28	3.78	-48.49	1,502.09	-1,697.41	2,266.60	2,259.53	7.07	320.692		
200.00	200.00	204.00	196.00	3.34	6.30	-48.49	1,502.09	-1,697.41	2,266.60	2,256.96	9.63	235.252		
300.00	300.00	304.00	296.00	3.44	9.45	-48.49	1,502.09	-1,697.41	2,266.60	2,253.70	12.90	175.715		
400.00	399.98	404.02	395.98	3.60	12.79	-164.50	1,502.09	-1,697.41	2,268.28	2,251.89	16.38	138.437		
500.00	499.84	504.16	495.84	3.79	16.19	-164.50	1,502.09	-1,697.41	2,273.32	2,253.34	19.98	113.755		
600.00	599.45	604.55	595.45	4.03	19.64	-164.52	1,502.09	-1,697.41	2,281.72	2,258.06	23.67	96.415		
700.00	698.70	705.30	694.70	4.30	23.11	-164.54	1,502.09	-1,697.41	2,293.47	2,266.06	27.41	83.665		
800.00	797.47	806.53	793.47	4.61	26.61	-164.56	1,502.09	-1,697.41	2,308.56	2,277.35	31.22	73.952		
900.00	895.62	908.38	891.62	4.96	30.14	-164.58	1,502.09	-1,697.41	2,326.98	2,291.90	35.08	66.342		
939.50	934.20	930.20	930.20	5.10	30.90	-164.59	1,502.09	-1,697.41	2,335.17	2,299.20	35.97	64.917		
1,000.00	993.20	989.20	989.20	5.33	32.95	-164.68	1,502.09	-1,697.41	2,348.10	2,309.88	38.23	61.421		
1,100.00	1,090.72	1,086.72	1,086.72	5.73	36.34	-164.82	1,502.09	-1,697.41	2,369.50	2,327.52	41.98	56.450		
1,200.00	1,188.24	1,184.24	1,184.24	6.15	39.73	-164.96	1,502.09	-1,697.41	2,390.91	2,345.17	45.74	52.273		
1,300.00	1,285.76	1,281.76	1,281.76	6.59	43.13	-165.10	1,502.09	-1,697.41	2,412.33	2,362.81	49.52	48.716		
1,400.00	1,383.28	1,379.28	1,379.28	7.04	46.52	-165.23	1,502.09	-1,697.41	2,433.76	2,380.46	53.31	45.654		
1,500.00	1,480.80	1,476.80	1,476.80	7.50	49.92	-165.36	1,502.09	-1,697.41	2,455.21	2,398.10	57.11	42.991		
1,600.00	1,578.31	1,574.31	1,574.31	7.96	53.31	-165.49	1,502.09	-1,697.41	2,476.67	2,415.75	60.92	40.656		
1,700.00	1,675.83	1,671.83	1,671.83	8.44	56.71	-165.62	1,502.09	-1,697.41	2,498.14	2,433.41	64.73	38.591		
1,800.00	1,773.35	1,769.35	1,769.35	8.92	60.11	-165.74	1,502.09	-1,697.41	2,519.62	2,451.07	68.56	36.752		
1,900.00	1,870.87	1,866.87	1,866.87	9.40	63.51	-165.87	1,502.09	-1,697.41	2,541.12	2,468.73	72.38	35.106		
2,000.00	1,968.39	1,964.39	1,964.39	9.89	66.91	-165.99	1,502.09	-1,697.41	2,562.62	2,486.41	76.22	33.623		
2,100.00	2,065.91	2,061.91	2,061.91	10.39	70.31	-166.11	1,502.09	-1,697.41	2,584.14	2,504.09	80.05	32.281		
2,200.00	2,163.43	2,159.43	2,159.43	10.88	73.71	-166.22	1,502.09	-1,697.41	2,605.66	2,521.77	83.89	31.061		
2,300.00	2,260.95	2,256.95	2,256.95	11.38	77.11	-166.34	1,502.09	-1,697.41	2,627.20	2,539.47	87.73	29.946		
2,400.00	2,358.46	2,354.46	2,354.46	11.89	80.52	-166.45	1,502.09	-1,697.41	2,648.74	2,557.17	91.58	28.924		
2,500.00	2,455.98	2,451.98	2,451.98	12.39	83.92	-166.56	1,502.09	-1,697.41	2,670.30	2,574.88	95.42	27.984		
2,600.00	2,553.50	2,549.50	2,549.50	12.89	87.32	-166.67	1,502.09	-1,697.41	2,691.86	2,592.59	99.27	27.117		
2,700.00	2,651.02	2,647.02	2,647.02	13.40	90.72	-166.78	1,502.09	-1,697.41	2,713.44	2,610.32	103.12	26.313		
2,800.00	2,748.54	2,744.54	2,744.54	13.91	94.12	-166.88	1,502.09	-1,697.41	2,735.02	2,628.05	106.97	25.568		
2,900.00	2,846.06	2,842.06	2,842.06	14.42	97.53	-166.99	1,502.09	-1,697.41	2,756.61	2,645.79	110.82	24.874		
3,000.00	2,943.58	2,939.58	2,939.58	14.93	100.93	-167.09	1,502.09	-1,697.41	2,778.21	2,663.54	114.68	24.226		
3,100.00	3,041.10	3,037.10	3,037.10	15.45	104.33	-167.19	1,502.09	-1,697.41	2,799.82	2,681.29	118.53	23.620		
3,200.00	3,138.61	3,134.61	3,134.61	15.96	107.73	-167.29	1,502.09	-1,697.41	2,821.44	2,699.05	122.39	23.053		
3,300.00	3,236.13	3,232.13	3,232.13	16.47	111.14	-167.39	1,502.09	-1,697.41	2,843.07	2,716.82	126.25	22.520		
3,400.00	3,333.65	3,329.65	3,329.65	16.99	114.54	-167.49	1,502.09	-1,697.41	2,864.70	2,734.59	130.11	22.018		
3,500.00	3,431.17	3,427.17	3,427.17	17.50	117.94	-167.58	1,502.09	-1,697.41	2,886.34	2,752.37	133.97	21.545		
3,600.00	3,528.69	3,524.69	3,524.69	18.02	121.35	-167.68	1,502.09	-1,697.41	2,907.99	2,770.16	137.82	21.099		
3,700.00	3,626.21	3,622.21	3,622.21	18.54	124.75	-167.77	1,502.09	-1,697.41	2,929.64	2,787.96	141.69	20.677		
3,800.00	3,723.73	3,719.73	3,719.73	19.06	128.15	-167.86	1,502.09	-1,697.41	2,951.31	2,805.76	145.55	20.277		
3,900.00	3,821.25	3,817.25	3,817.25	19.57	131.56	-167.95	1,502.09	-1,697.41	2,972.98	2,823.57	149.41	19.898		
4,000.00	3,918.77	3,914.77	3,914.77	20.09	134.96	-168.04	1,502.09	-1,697.41	2,994.65	2,841.38	153.27	19.538		
4,100.00	4,016.28	4,012.28	4,012.28	20.61	138.36	-168.12	1,502.09	-1,697.41	3,016.33	2,859.20	157.13	19.196		
4,200.00	4,113.80	4,109.80	4,109.80	21.13	141.77	-168.21	1,502.09	-1,697.41	3,038.02	2,877.03	161.00	18.870		
4,300.00	4,211.32	4,207.32	4,207.32	21.65	145.17	-168.29	1,502.09	-1,697.41	3,059.72	2,894.86	164.86	18.560		
4,400.00	4,308.84	4,304.84	4,304.84	22.17	148.57	-168.38	1,502.09	-1,697.41	3,081.42	2,912.70	168.72	18.263		
4,500.00	4,406.36	4,402.36	4,402.36	22.69	151.98	-168.46	1,502.09	-1,697.41	3,103.13	2,930.54	172.59	17.980		
4,600.00	4,503.88	4,500.12	4,499.88	23.21	155.39	-168.54	1,502.09	-1,697.41	3,124.85	2,948.39	176.46	17.709		
4,700.00	4,601.40	4,602.60	4,597.40	23.73	158.97	-168.62	1,502.09	-1,697.41	3,146.57	2,966.07	180.50	17.433		
4,800.00	4,698.92	4,705.08	4,694.92	24.26	162.54	-168.70	1,502.09	-1,697.41	3,168.29	2,983.76	184.54	17.169		
4,900.00	4,796.43	4,807.57	4,792.43	24.78	166.12	-168.78	1,502.09	-1,697.41	3,190.03	3,001.45	188.57	16.916		
5,000.00	4,893.95	4,889.95	4,889.95	25.30	169.99	-168.85	1,502.09	-1,697.41	3,211.76	3,019.85	191.91	16.736		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,987.47	4,987.47	25.82	172.40	-168.93	1,502.09	-1,697.41	3,233.51	3,037.73	195.78	16.516		
5,200.00	5,088.99	5,084.99	5,084.99	26.34	175.80	-169.01	1,502.09	-1,697.41	3,255.25	3,055.61	199.64	16.305		
5,300.00	5,186.51	5,182.51	5,182.51	26.87	179.21	-169.08	1,502.09	-1,697.41	3,277.01	3,073.50	203.51	16.102		
5,400.00	5,284.03	5,280.03	5,280.03	27.39	182.61	-169.15	1,502.09	-1,697.41	3,298.77	3,091.39	207.38	15.907		
5,500.00	5,381.55	5,377.55	5,377.55	27.91	186.01	-169.22	1,502.09	-1,697.41	3,320.53	3,109.28	211.24	15.719		
5,600.00	5,479.07	5,475.07	5,475.07	28.43	189.42	-169.29	1,502.09	-1,697.41	3,342.30	3,127.19	215.11	15.537		
5,700.00	5,576.58	5,572.58	5,572.58	28.96	192.82	-169.36	1,502.09	-1,697.41	3,364.07	3,145.09	218.98	15.363		
5,800.00	5,674.10	5,670.10	5,670.10	29.48	196.23	-169.43	1,502.09	-1,697.41	3,385.85	3,163.00	222.85	15.194		
5,900.00	5,771.62	5,767.62	5,767.62	30.00	199.63	-169.50	1,502.09	-1,697.41	3,407.63	3,180.92	226.71	15.031		
6,000.00	5,869.14	5,865.14	5,865.14	30.53	203.03	-169.57	1,502.09	-1,697.41	3,429.42	3,198.84	230.58	14.873		
6,100.00	5,966.66	5,962.66	5,962.66	31.05	206.44	-169.64	1,502.09	-1,697.41	3,451.21	3,216.76	234.45	14.720		
6,200.00	6,064.18	6,060.18	6,060.18	31.58	209.84	-169.70	1,502.09	-1,697.41	3,473.01	3,234.69	238.32	14.573		
6,300.00	6,161.70	6,157.70	6,157.70	32.10	213.25	-169.77	1,502.09	-1,697.41	3,494.81	3,252.62	242.19	14.430		
6,400.00	6,259.22	6,255.22	6,255.22	32.62	216.65	-169.83	1,502.09	-1,697.41	3,516.61	3,270.56	246.05	14.292		
6,500.00	6,356.74	6,352.74	6,352.74	33.15	220.05	-169.89	1,502.09	-1,697.41	3,538.42	3,288.50	249.92	14.158		
6,600.00	6,454.25	6,450.25	6,450.25	33.67	223.46	-169.96	1,502.09	-1,697.41	3,560.23	3,306.44	253.79	14.028		
6,623.48	6,477.15	6,473.15	6,473.15	33.80	224.26	-169.97	1,502.09	-1,697.41	3,565.36	3,310.65	254.70	13.998		
6,650.00	6,503.12	6,500.88	6,499.12	33.93	225.22	-175.86	1,502.09	-1,697.41	3,570.71	3,314.92	255.79	13.960		
6,700.00	6,552.50	6,548.50	6,548.50	34.16	226.89	164.84	1,502.09	-1,697.41	3,578.40	3,320.73	257.67	13.887		
6,750.00	6,602.21	6,601.79	6,598.21	34.36	228.75	126.61	1,502.09	-1,697.41	3,582.93	3,323.19	259.74	13.794		
6,800.00	6,651.92	6,647.92	6,647.92	34.54	230.36	87.70	1,502.09	-1,697.41	3,584.27	3,322.73	261.54	13.705		
6,850.00	6,701.33	6,702.67	6,697.33	34.70	232.27	68.26	1,502.09	-1,697.41	3,582.43	3,318.80	263.62	13.589		
6,900.00	6,750.14	6,746.14	6,746.14	34.86	233.79	59.19	1,502.09	-1,697.41	3,577.43	3,312.13	265.30	13.484		
6,950.00	6,798.04	6,805.96	6,794.04	35.02	235.87	54.54	1,502.09	-1,697.41	3,569.31	3,301.78	267.54	13.341		
7,000.00	6,844.75	6,840.75	6,840.75	35.19	237.09	52.10	1,502.09	-1,697.41	3,558.16	3,289.27	268.89	13.233		
7,050.00	6,889.97	6,885.97	6,885.97	35.37	238.67	50.95	1,502.09	-1,697.41	3,544.06	3,273.47	270.59	13.098		
7,100.00	6,933.42	6,929.42	6,929.42	35.57	240.18	50.68	1,502.09	-1,697.41	3,527.13	3,254.90	272.22	12.957		
7,150.00	6,974.83	6,970.83	6,970.83	35.79	241.63	51.08	1,502.09	-1,697.41	3,507.50	3,233.71	273.78	12.811		
7,200.00	7,013.96	7,009.96	7,009.96	36.02	242.99	52.04	1,502.09	-1,697.41	3,485.32	3,210.06	275.26	12.662		
7,250.00	7,050.56	7,046.56	7,046.56	36.28	244.27	53.49	1,502.09	-1,697.41	3,460.77	3,184.12	276.66	12.509		
7,300.00	7,084.39	7,080.39	7,080.39	36.57	245.45	55.41	1,502.09	-1,697.41	3,434.04	3,156.08	277.96	12.354		
7,350.00	7,115.27	7,111.27	7,111.27	36.89	246.53	57.78	1,502.09	-1,697.41	3,405.32	3,126.14	279.18	12.198		
7,400.00	7,142.99	7,138.99	7,138.99	37.25	247.50	60.59	1,502.09	-1,697.41	3,374.82	3,094.52	280.31	12.040		
7,450.00	7,167.38	7,163.38	7,163.38	37.65	248.35	63.83	1,502.09	-1,697.41	3,342.78	3,061.44	281.34	11.882		
7,500.00	7,188.30	7,184.30	7,184.30	38.08	249.08	67.48	1,502.09	-1,697.41	3,309.41	3,027.13	282.29	11.724		
7,550.00	7,205.61	7,201.61	7,201.61	38.55	249.68	71.50	1,502.09	-1,697.41	3,274.96	2,991.83	283.14	11.567		
7,600.00	7,219.20	7,215.20	7,215.20	39.06	250.16	75.83	1,502.09	-1,697.41	3,239.67	2,955.77	283.90	11.411		
7,650.00	7,229.00	7,225.00	7,225.00	39.61	250.50	80.40	1,502.09	-1,697.41	3,203.77	2,919.21	284.56	11.259		
7,700.00	7,234.95	7,230.95	7,230.95	40.18	250.71	85.12	1,502.09	-1,697.41	3,167.51	2,882.38	285.13	11.109		
7,750.07	7,237.00	7,233.00	7,233.00	40.78	250.78	89.89	1,502.09	-1,697.41	3,131.08	2,845.48	285.60	10.963		
7,800.00	7,237.09	7,233.09	7,233.09	41.41	250.78	89.89	1,502.09	-1,697.41	3,094.94	2,808.90	286.04	10.820		
7,900.00	7,237.28	7,233.28	7,233.28	42.79	250.79	89.89	1,502.09	-1,697.41	3,023.76	2,736.71	287.05	10.534		
8,000.00	7,237.47	7,233.47	7,233.47	44.31	250.80	89.90	1,502.09	-1,697.41	2,954.24	2,666.01	288.24	10.249		
8,100.00	7,237.65	7,233.65	7,233.65	45.97	250.80	89.90	1,502.09	-1,697.41	2,886.52	2,596.91	289.61	9.967		
8,200.00	7,237.84	7,233.84	7,233.84	47.75	250.81	89.91	1,502.09	-1,697.41	2,820.72	2,529.55	291.17	9.687		
8,300.00	7,238.02	7,234.02	7,234.02	49.63	250.82	89.91	1,502.09	-1,697.41	2,756.97	2,464.05	292.92	9.412		
8,400.00	7,238.21	7,234.21	7,234.21	51.61	250.82	89.92	1,502.09	-1,697.41	2,695.43	2,400.57	294.85	9.142		
8,500.00	7,238.40	7,234.40	7,234.40	53.66	250.83	89.92	1,502.09	-1,697.41	2,636.24	2,339.27	296.97	8.877		
8,600.00	7,238.58	7,234.58	7,234.58	55.79	250.84	89.93	1,502.09	-1,697.41	2,579.58	2,280.31	299.27	8.620		
8,700.00	7,238.77	7,234.77	7,234.77	57.99	250.84	89.93	1,502.09	-1,697.41	2,525.60	2,223.87	301.73	8.370		
8,800.00	7,238.96	7,234.96	7,234.96	60.24	250.85	89.94	1,502.09	-1,697.41	2,474.49	2,170.14	304.35	8.130		
8,900.00	7,239.14	7,235.14	7,235.14	62.54	250.86	89.94	1,502.09	-1,697.41	2,426.43	2,119.32	307.11	7.901		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,235.33	7,235.33	64.88	250.86	89.95	1,502.09	-1,697.41	2,381.60	2,071.59	310.00	7.682		
9,100.00	7,239.52	7,235.52	7,235.52	67.27	250.87	89.95	1,502.09	-1,697.41	2,340.18	2,027.17	313.00	7.476		
9,200.00	7,239.70	7,235.70	7,235.70	69.69	250.87	89.96	1,502.09	-1,697.41	2,302.36	1,986.27	316.10	7.284		
9,300.00	7,239.89	7,235.89	7,235.89	72.15	250.88	89.96	1,502.09	-1,697.41	2,268.33	1,949.08	319.25	7.105		
9,400.00	7,240.07	7,236.07	7,236.07	74.63	250.89	89.97	1,502.09	-1,697.41	2,238.25	1,915.80	322.45	6.941		
9,500.00	7,240.26	7,236.26	7,236.26	77.14	250.89	89.97	1,502.09	-1,697.41	2,212.29	1,886.63	325.66	6.793		
9,600.00	7,240.45	7,236.45	7,236.45	79.68	250.90	89.98	1,502.09	-1,697.41	2,190.58	1,861.73	328.85	6.661		
9,700.00	7,240.63	7,236.63	7,236.63	82.23	250.91	89.98	1,502.09	-1,697.41	2,173.27	1,841.27	332.00	6.546		
9,800.00	7,240.82	7,236.82	7,236.82	84.81	250.91	89.99	1,502.09	-1,697.41	2,160.45	1,825.38	335.07	6.448		
9,900.00	7,241.01	7,237.01	7,237.01	87.40	250.92	89.99	1,502.09	-1,697.41	2,152.20	1,814.16	338.04	6.367		
10,000.00	7,241.19	7,237.19	7,237.19	90.01	250.93	90.00	1,502.09	-1,697.41	2,148.59	1,807.71	340.88	6.303		
10,027.79	7,241.24	7,237.24	7,237.24	90.74	250.93	90.00	1,502.09	-1,697.41	2,148.41	1,806.76	341.64	6.288 CC		
10,100.00	7,241.38	7,237.38	7,237.38	92.64	250.93	90.00	1,502.09	-1,697.41	2,149.62	1,806.05	343.57	6.257 ES		
10,200.00	7,241.56	7,237.56	7,237.56	95.28	250.94	90.01	1,502.09	-1,697.41	2,155.30	1,809.22	346.08	6.228		
10,300.00	7,241.75	7,237.75	7,237.75	97.93	250.95	90.01	1,502.09	-1,697.41	2,165.58	1,817.18	348.41	6.216 SF		
10,400.00	7,241.94	7,237.94	7,237.94	100.59	250.95	90.02	1,502.09	-1,697.41	2,180.41	1,829.88	350.53	6.220		
10,500.00	7,242.12	7,238.12	7,238.12	103.26	250.96	90.02	1,502.09	-1,697.41	2,199.69	1,847.24	352.45	6.241		
10,600.00	7,242.31	7,238.31	7,238.31	105.95	250.97	90.03	1,502.09	-1,697.41	2,223.31	1,869.15	354.16	6.278		
10,700.00	7,242.50	7,238.50	7,238.50	108.64	250.97	90.03	1,502.09	-1,697.41	2,251.12	1,895.46	355.66	6.329		
10,800.00	7,242.68	7,238.68	7,238.68	111.34	250.98	90.04	1,502.09	-1,697.41	2,282.97	1,926.02	356.95	6.396		
10,900.00	7,242.87	7,238.87	7,238.87	114.05	250.99	90.04	1,502.09	-1,697.41	2,318.71	1,960.66	358.05	6.476		
11,000.00	7,243.05	7,239.05	7,239.05	116.76	250.99	90.05	1,502.09	-1,697.41	2,358.15	1,999.18	358.96	6.569		
11,100.00	7,243.24	7,239.24	7,239.24	119.49	251.00	90.05	1,502.09	-1,697.41	2,401.10	2,041.40	359.70	6.675		
11,200.00	7,243.43	7,239.43	7,239.43	122.22	251.00	90.06	1,502.09	-1,697.41	2,447.39	2,087.11	360.28	6.793		
11,300.00	7,243.61	7,239.61	7,239.61	124.95	251.01	90.06	1,502.09	-1,697.41	2,496.83	2,136.12	360.72	6.922		
11,400.00	7,243.80	7,239.80	7,239.80	127.69	251.02	90.07	1,502.09	-1,697.41	2,549.24	2,188.22	361.02	7.061		
11,500.00	7,243.99	7,239.99	7,239.99	130.44	251.02	90.07	1,502.09	-1,697.41	2,604.43	2,243.23	361.20	7.210		
11,600.00	7,244.17	7,240.17	7,240.17	133.19	251.03	90.08	1,502.09	-1,697.41	2,662.24	2,300.96	361.28	7.369		
11,700.00	7,244.36	7,240.36	7,240.36	135.94	251.04	90.08	1,502.09	-1,697.41	2,722.49	2,361.23	361.26	7.536		
11,800.00	7,244.55	7,240.55	7,240.55	138.70	251.04	90.09	1,502.09	-1,697.41	2,785.03	2,423.86	361.17	7.711		
11,900.00	7,244.73	7,240.73	7,240.73	141.47	251.05	90.09	1,502.09	-1,697.41	2,849.71	2,488.70	361.00	7.894		
12,000.00	7,244.92	7,240.92	7,240.92	144.24	251.06	90.10	1,502.09	-1,697.41	2,916.38	2,555.60	360.78	8.084		
12,100.00	7,245.10	7,241.10	7,241.10	147.01	251.06	90.10	1,502.09	-1,697.41	2,984.91	2,624.41	360.50	8.280		
12,200.00	7,245.29	7,241.29	7,241.29	149.78	251.07	90.11	1,502.09	-1,697.41	3,055.19	2,695.00	360.19	8.482		
12,300.00	7,245.48	7,241.48	7,241.48	152.56	251.08	90.11	1,502.09	-1,697.41	3,127.08	2,767.24	359.83	8.690		
12,400.00	7,245.66	7,241.66	7,241.66	155.34	251.08	90.12	1,502.09	-1,697.41	3,200.48	2,841.02	359.45	8.904		
12,500.00	7,245.85	7,241.85	7,241.85	158.12	251.09	90.12	1,502.09	-1,697.41	3,275.28	2,916.24	359.05	9.122		
12,600.00	7,246.04	7,242.04	7,242.04	160.91	251.10	90.13	1,502.09	-1,697.41	3,351.41	2,992.78	358.63	9.345		
12,700.00	7,246.22	7,242.22	7,242.22	163.70	251.10	90.13	1,502.09	-1,697.41	3,428.76	3,070.57	358.19	9.572		
12,800.00	7,246.41	7,242.41	7,242.41	166.49	251.11	90.14	1,502.09	-1,697.41	3,507.25	3,149.51	357.74	9.804		
12,900.00	7,246.59	7,242.59	7,242.59	169.28	251.12	90.14	1,502.09	-1,697.41	3,586.82	3,229.53	357.29	10.039		
13,000.00	7,246.78	7,242.78	7,242.78	172.08	251.12	90.15	1,502.09	-1,697.41	3,667.38	3,310.55	356.83	10.278		
13,100.00	7,246.97	7,242.97	7,242.97	174.88	251.13	90.15	1,502.09	-1,697.41	3,748.88	3,392.52	356.37	10.520		
13,200.00	7,247.15	7,243.15	7,243.15	177.68	251.13	90.16	1,502.09	-1,697.41	3,831.26	3,475.36	355.90	10.765		
13,300.00	7,247.34	7,243.34	7,243.34	180.48	251.14	90.16	1,502.09	-1,697.41	3,914.46	3,559.02	355.44	11.013		
13,400.00	7,247.53	7,243.53	7,243.53	183.28	251.15	90.17	1,502.09	-1,697.41	3,998.43	3,643.44	354.99	11.264		
13,500.00	7,247.71	7,243.71	7,243.71	186.09	251.15	90.17	1,502.09	-1,697.41	4,083.12	3,728.59	354.54	11.517		
13,600.00	7,247.90	7,243.90	7,243.90	188.90	251.16	90.18	1,502.09	-1,697.41	4,168.49	3,814.40	354.09	11.772		
13,700.00	7,248.08	7,244.08	7,244.08	191.70	251.17	90.18	1,502.09	-1,697.41	4,254.50	3,900.85	353.65	12.030		
13,800.00	7,248.27	7,244.27	7,244.27	194.52	251.17	90.19	1,502.09	-1,697.41	4,341.11	3,987.89	353.22	12.290		
13,900.00	7,248.46	7,244.46	7,244.46	197.33	251.18	90.19	1,502.09	-1,697.41	4,428.28	4,075.49	352.79	12.552		
14,000.00	7,248.64	7,244.64	7,244.64	200.14	251.19	90.20	1,502.09	-1,697.41	4,515.98	4,163.61	352.37	12.816		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,244.83	7,244.83	202.95	251.19	90.20	1,502.09	-1,697.41	4,604.19	4,252.23	351.96	13.082		
14,200.00	7,249.02	7,245.02	7,245.02	205.77	251.20	90.21	1,502.09	-1,697.41	4,692.86	4,341.31	351.56	13.349		
14,300.00	7,249.20	7,245.20	7,245.20	208.59	251.21	90.21	1,502.09	-1,697.41	4,781.99	4,430.82	351.16	13.618		
14,400.00	7,249.39	7,245.39	7,245.39	211.41	251.21	90.22	1,502.09	-1,697.41	4,871.54	4,520.76	350.78	13.888		
14,500.00	7,249.58	7,245.58	7,245.58	214.23	251.22	90.22	1,502.09	-1,697.41	4,961.48	4,611.08	350.40	14.159		
14,600.00	7,249.76	7,245.76	7,245.76	217.05	251.23	90.23	1,502.09	-1,697.41	5,051.81	4,701.77	350.04	14.432		
14,700.00	7,249.95	7,245.95	7,245.95	219.87	251.23	90.23	1,502.09	-1,697.41	5,142.49	4,792.81	349.68	14.706		
14,800.00	7,250.13	7,246.13	7,246.13	222.69	251.24	90.24	1,502.09	-1,697.41	5,233.51	4,884.18	349.33	14.982		
14,900.00	7,250.32	7,246.32	7,246.32	225.51	251.25	90.24	1,502.09	-1,697.41	5,324.85	4,975.87	348.99	15.258		
15,000.00	7,250.51	7,246.51	7,246.51	228.34	251.25	90.25	1,502.09	-1,697.41	5,416.50	5,067.85	348.65	15.535		
15,100.00	7,250.69	7,246.69	7,246.69	231.16	251.26	90.25	1,502.09	-1,697.41	5,508.44	5,160.11	348.33	15.814		
15,200.00	7,250.88	7,246.88	7,246.88	233.99	251.26	90.26	1,502.09	-1,697.41	5,600.66	5,252.64	348.02	16.093		
15,300.00	7,251.07	7,247.07	7,247.07	236.82	251.27	90.26	1,502.09	-1,697.41	5,693.14	5,345.43	347.71	16.373		
15,400.00	7,251.25	7,247.25	7,247.25	239.65	251.28	90.27	1,502.09	-1,697.41	5,785.87	5,438.46	347.41	16.654		
15,500.00	7,251.44	7,247.44	7,247.44	242.47	251.28	90.27	1,502.09	-1,697.41	5,878.83	5,531.72	347.12	16.936		
15,600.00	7,251.62	7,247.62	7,247.62	245.30	251.29	90.28	1,502.09	-1,697.41	5,972.03	5,625.19	346.83	17.219		
15,700.00	7,251.81	7,247.81	7,247.81	248.13	251.30	90.28	1,502.09	-1,697.41	6,065.44	5,718.88	346.56	17.502		
15,800.00	7,252.00	7,248.00	7,248.00	250.97	251.30	90.29	1,502.09	-1,697.41	6,159.06	5,812.77	346.29	17.786		
15,900.00	7,252.18	7,248.18	7,248.18	253.80	251.31	90.29	1,502.09	-1,697.41	6,252.88	5,906.85	346.03	18.070		
16,000.00	7,252.37	7,248.37	7,248.37	256.63	251.32	90.30	1,502.09	-1,697.41	6,346.88	6,001.10	345.78	18.356		
16,100.00	7,252.56	7,248.56	7,248.56	259.46	251.32	90.30	1,502.09	-1,697.41	6,441.07	6,095.54	345.53	18.641		
16,200.00	7,252.74	7,248.74	7,248.74	262.30	251.33	90.31	1,502.09	-1,697.41	6,535.42	6,190.14	345.29	18.927		
16,300.00	7,252.93	7,248.93	7,248.93	265.13	251.34	90.31	1,502.09	-1,697.41	6,629.95	6,284.89	345.05	19.214		
16,400.00	7,253.11	7,249.11	7,249.11	267.96	251.34	90.32	1,502.09	-1,697.41	6,724.63	6,379.80	344.83	19.501		
16,500.00	7,253.30	7,249.30	7,249.30	270.80	251.35	90.32	1,502.09	-1,697.41	6,819.46	6,474.86	344.61	19.789		
16,600.00	7,253.49	7,249.49	7,249.49	273.64	251.36	90.33	1,502.09	-1,697.41	6,914.44	6,570.05	344.39	20.077		
16,700.00	7,253.67	7,249.67	7,249.67	276.47	251.36	90.33	1,502.09	-1,697.41	7,009.56	6,665.38	344.18	20.366		
16,800.00	7,253.86	7,249.86	7,249.86	279.31	251.37	90.34	1,502.09	-1,697.41	7,104.81	6,760.83	343.98	20.655		
16,900.00	7,254.05	7,250.05	7,250.05	282.15	251.38	90.34	1,502.09	-1,697.41	7,200.20	6,856.41	343.79	20.944		
17,000.00	7,254.23	7,250.23	7,250.23	284.98	251.38	90.35	1,502.09	-1,697.41	7,295.70	6,952.11	343.59	21.233		
17,100.00	7,254.42	7,250.42	7,250.42	287.82	251.39	90.35	1,502.09	-1,697.41	7,391.33	7,047.92	343.41	21.523		
17,200.00	7,254.61	7,250.61	7,250.61	290.66	251.40	90.36	1,502.09	-1,697.41	7,487.07	7,143.84	343.23	21.814		
17,300.00	7,254.79	7,250.79	7,250.79	293.50	251.40	90.36	1,502.09	-1,697.41	7,582.91	7,239.86	343.05	22.104		
17,400.00	7,254.98	7,250.98	7,250.98	296.34	251.41	90.37	1,502.09	-1,697.41	7,678.87	7,335.99	342.88	22.395		
17,500.00	7,255.16	7,251.16	7,251.16	299.18	251.41	90.37	1,502.09	-1,697.41	7,774.93	7,432.21	342.72	22.686		
17,600.00	7,255.35	7,251.35	7,251.35	302.02	251.42	90.38	1,502.09	-1,697.41	7,871.08	7,528.52	342.56	22.977		
17,700.00	7,255.54	7,251.54	7,251.54	304.86	251.43	90.38	1,502.09	-1,697.41	7,967.33	7,624.93	342.40	23.269		
17,800.00	7,255.72	7,251.72	7,251.72	307.70	251.43	90.39	1,502.09	-1,697.41	8,063.67	7,721.42	342.25	23.561		
17,900.00	7,255.91	7,251.91	7,251.91	310.54	251.44	90.39	1,502.09	-1,697.41	8,160.10	7,817.99	342.11	23.853		
18,000.00	7,256.10	7,252.10	7,252.10	313.39	251.45	90.40	1,502.09	-1,697.41	8,256.61	7,914.65	341.96	24.145		
18,100.00	7,256.28	7,252.28	7,252.28	316.23	251.45	90.40	1,502.09	-1,697.41	8,353.21	8,011.38	341.83	24.437		
18,200.00	7,256.47	7,252.47	7,252.47	319.07	251.46	90.41	1,502.09	-1,697.41	8,449.88	8,108.19	341.69	24.729		
18,300.00	7,256.65	7,252.65	7,252.65	321.91	251.47	90.41	1,502.09	-1,697.41	8,546.63	8,205.07	341.56	25.022		
18,400.00	7,256.84	7,252.84	7,252.84	324.76	251.47	90.42	1,502.09	-1,697.41	8,643.46	8,302.02	341.44	25.315		
18,500.00	7,257.03	7,253.03	7,253.03	327.60	251.48	90.42	1,502.09	-1,697.41	8,740.36	8,399.04	341.32	25.608		
18,600.00	7,257.21	7,253.21	7,253.21	330.44	251.49	90.43	1,502.09	-1,697.41	8,837.32	8,496.12	341.20	25.901		
18,700.00	7,257.40	7,253.40	7,253.40	333.29	251.49	90.43	1,502.09	-1,697.41	8,934.36	8,593.27	341.09	26.194		
18,800.00	7,257.59	7,253.59	7,253.59	336.13	251.50	90.44	1,502.09	-1,697.41	9,031.45	8,690.48	340.98	26.487		
18,900.00	7,257.77	7,253.77	7,253.77	338.98	251.51	90.44	1,502.09	-1,697.41	9,128.61	8,787.74	340.87	26.780		
19,000.00	7,257.96	7,253.96	7,253.96	341.82	251.51	90.45	1,502.09	-1,697.41	9,225.83	8,885.07	340.77	27.074		
19,022.43	7,258.00	7,254.00	7,254.00	342.46	251.51	90.45	1,502.09	-1,697.41	9,247.65	8,906.90	340.74	27.140		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-106.56	-2,123.59	-7,143.00	7,451.99					
100.00	100.00	85.76	85.76	3.28	3.29	-106.56	-2,123.81	-7,142.96	7,452.01	7,445.44	6.57	1,134.229		
200.00	200.00	175.08	175.07	3.34	3.31	-106.56	-2,124.48	-7,142.86	7,452.12	7,445.47	6.65	1,121.024		
300.00	300.00	259.24	259.24	3.44	3.38	-106.57	-2,125.32	-7,142.91	7,452.45	7,445.63	6.83	1,091.839		
400.00	399.98	357.60	357.58	3.60	3.51	137.41	-2,126.44	-7,142.98	7,454.13	7,447.03	7.11	1,048.653		
500.00	499.84	448.96	448.94	3.79	3.67	137.37	-2,127.08	-7,143.28	7,458.51	7,451.04	7.46	999.248		
600.00	599.45	552.60	552.58	4.03	3.89	137.32	-2,127.51	-7,143.71	7,465.43	7,457.51	7.92	942.125		
700.00	698.70	637.70	637.68	4.30	4.11	137.24	-2,128.12	-7,144.00	7,474.96	7,466.55	8.41	888.815		
800.00	797.47	709.38	709.35	4.61	4.30	137.13	-2,128.55	-7,144.53	7,487.37	7,478.46	8.91	840.131		
900.00	895.62	793.69	793.66	4.96	4.55	137.00	-2,128.91	-7,145.42	7,502.60	7,493.10	9.49	790.294		
939.50	934.20	829.84	829.81	5.10	4.66	136.95	-2,129.08	-7,145.84	7,509.35	7,499.61	9.75	770.493		
1,000.00	993.20	885.16	885.12	5.33	4.83	137.01	-2,129.48	-7,146.47	7,520.03	7,509.89	10.14	741.633		
1,100.00	1,090.72	970.00	969.95	5.73	5.11	137.11	-2,130.01	-7,147.50	7,537.78	7,526.98	10.80	698.223		
1,200.00	1,188.24	1,018.54	1,018.48	6.15	5.27	137.17	-2,129.96	-7,148.40	7,555.96	7,544.61	11.35	665.688		
1,300.00	1,285.76	1,061.00	1,060.93	6.59	5.42	137.22	-2,129.48	-7,149.61	7,574.83	7,562.93	11.90	636.525		
1,400.00	1,383.28	1,106.21	1,106.09	7.04	5.57	137.29	-2,128.58	-7,151.34	7,594.42	7,581.95	12.47	609.026		
1,500.00	1,480.80	1,153.00	1,152.81	7.50	5.73	137.35	-2,127.27	-7,153.61	7,614.74	7,601.68	13.05	583.297		
1,600.00	1,578.31	1,191.03	1,190.75	7.96	5.87	137.41	-2,125.86	-7,155.82	7,635.77	7,622.16	13.62	560.753		
1,700.00	1,675.83	1,248.00	1,247.51	8.44	6.07	137.51	-2,123.09	-7,159.77	7,657.56	7,643.30	14.25	537.194		
1,800.00	1,773.35	1,248.00	1,247.51	8.92	6.07	137.51	-2,123.09	-7,159.77	7,680.11	7,665.42	14.69	522.950		
1,900.00	1,870.87	1,298.91	1,298.15	9.40	6.26	137.59	-2,120.11	-7,164.05	7,703.37	7,688.06	15.31	503.096		
2,000.00	1,968.39	1,343.00	1,341.94	9.89	6.42	137.67	-2,117.27	-7,168.41	7,727.61	7,711.69	15.92	485.536		
2,100.00	2,065.91	1,369.30	1,368.02	10.39	6.52	137.72	-2,115.44	-7,171.25	7,752.58	7,736.13	16.45	471.184		
2,200.00	2,163.43	1,417.17	1,415.43	10.88	6.71	137.81	-2,111.81	-7,176.73	7,778.24	7,761.16	17.08	455.444		
2,300.00	2,260.95	1,479.51	1,477.09	11.38	6.96	137.94	-2,106.59	-7,184.33	7,804.48	7,786.71	17.77	439.215		
2,400.00	2,358.46	1,558.02	1,554.67	11.89	7.29	138.09	-2,099.69	-7,194.20	7,831.05	7,812.51	18.54	422.484		
2,500.00	2,455.98	1,644.22	1,639.83	12.39	7.66	138.27	-2,092.04	-7,205.12	7,857.78	7,838.44	19.35	406.185		
2,600.00	2,553.50	1,713.48	1,708.29	12.89	7.96	138.40	-2,086.33	-7,213.95	7,884.80	7,864.72	20.09	392.549		
2,700.00	2,651.02	1,846.45	1,839.84	13.40	8.56	138.65	-2,076.21	-7,230.43	7,911.68	7,890.55	21.13	374.513		
2,800.00	2,748.54	1,914.00	1,906.73	13.91	8.87	138.77	-2,071.59	-7,238.71	7,938.69	7,916.82	21.87	363.026		
2,900.00	2,846.06	2,046.40	2,037.93	14.42	9.48	139.00	-2,063.48	-7,254.49	7,965.59	7,942.67	22.92	347.552		
3,000.00	2,943.58	2,132.45	2,123.18	14.93	9.88	139.15	-2,057.72	-7,264.72	7,992.44	7,968.68	23.76	336.412		
3,100.00	3,041.10	2,223.03	2,212.82	15.45	10.31	139.32	-2,050.89	-7,275.79	8,019.47	7,994.85	24.62	325.676		
3,200.00	3,138.61	2,362.22	2,350.62	15.96	10.98	139.57	-2,040.33	-7,292.34	8,046.27	8,020.53	25.73	312.661		
3,300.00	3,236.13	2,501.04	2,488.08	16.47	11.65	139.82	-2,029.20	-7,308.15	8,072.58	8,045.73	26.85	300.643		
3,400.00	3,333.65	2,596.76	2,582.87	16.99	12.11	139.99	-2,021.25	-7,318.84	8,098.70	8,070.94	27.76	291.770		
3,500.00	3,431.17	2,672.00	2,657.39	17.50	12.48	140.13	-2,015.19	-7,327.24	8,124.96	8,096.40	28.56	284.469		
3,600.00	3,528.69	2,743.39	2,728.11	18.02	12.83	140.25	-2,009.71	-7,335.34	8,151.52	8,122.17	29.35	277.765		
3,700.00	3,626.21	2,807.78	2,791.87	18.54	13.15	140.37	-2,004.78	-7,342.89	8,178.48	8,148.39	30.10	271.740		
3,800.00	3,723.73	2,874.77	2,858.15	19.06	13.48	140.48	-1,999.51	-7,351.01	8,205.84	8,174.98	30.86	265.903		
3,900.00	3,821.25	2,958.75	2,941.20	19.57	13.90	140.63	-1,992.69	-7,361.41	8,233.46	8,201.75	31.71	259.618		
4,000.00	3,918.77	3,092.01	3,073.10	20.09	14.57	140.86	-1,982.47	-7,377.47	8,260.91	8,228.08	32.82	251.668		
4,100.00	4,016.28	3,171.35	3,151.65	20.61	14.97	141.00	-1,976.41	-7,386.86	8,288.25	8,254.60	33.65	246.278		
4,200.00	4,113.80	3,223.26	3,203.01	21.13	15.24	141.09	-1,972.37	-7,393.24	8,316.05	8,281.71	34.34	242.173		
4,300.00	4,211.32	3,369.81	3,348.13	21.65	15.97	141.33	-1,962.38	-7,410.95	8,343.90	8,308.38	35.52	234.905		
4,400.00	4,308.84	3,613.30	3,589.80	22.17	17.17	141.70	-1,947.61	-7,436.67	8,370.33	8,333.14	37.20	225.033		
4,500.00	4,406.36	3,731.91	3,707.48	22.69	17.75	141.90	-1,938.53	-7,448.45	8,396.13	8,357.90	38.23	219.609		
4,600.00	4,503.88	3,860.06	3,834.62	23.21	18.39	142.10	-1,928.54	-7,460.94	8,421.86	8,382.54	39.32	214.180		
4,700.00	4,601.40	3,950.35	3,924.16	23.73	18.84	142.25	-1,920.56	-7,469.40	8,447.06	8,406.84	40.21	210.048		
4,800.00	4,698.92	4,002.00	3,975.35	24.26	19.09	142.34	-1,915.92	-7,474.52	8,472.80	8,431.90	40.90	207.137		
4,900.00	4,796.43	4,053.78	4,026.62	24.78	19.36	142.43	-1,911.21	-7,479.93	8,499.07	8,457.48	41.59	204.332		
5,000.00	4,893.95	4,140.99	4,112.92	25.30	19.80	142.58	-1,902.94	-7,489.46	8,525.80	8,483.32	42.48	200.718		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,253.17	4,223.96	25.82	20.37	142.77	-1,892.26	-7,501.34	8,552.25	8,508.76	43.49	196.631		
5,200.00	5,088.99	4,350.95	4,320.89	26.34	20.86	142.93	-1,884.36	-7,511.47	8,578.81	8,534.38	44.43	193.096		
5,300.00	5,186.51	4,446.19	4,415.38	26.87	21.34	143.07	-1,877.47	-7,521.12	8,605.33	8,559.99	45.34	189.784		
5,400.00	5,284.03	4,542.13	4,509.29	27.39	22.22	143.32	-1,867.64	-7,537.74	8,631.05	8,584.35	46.70	184.813		
5,500.00	5,381.55	4,642.45	4,609.39	27.91	22.92	143.99	-1,856.28	-7,570.60	8,654.53	8,604.43	50.10	172.759		
5,600.00	5,479.07	4,742.66	4,709.58	28.43	23.28	144.07	-1,855.71	-7,572.39	8,674.51	8,623.57	50.94	170.302		
5,700.00	5,576.58	4,843.07	4,810.97	28.96	23.71	144.17	-1,855.16	-7,574.55	8,694.49	8,642.63	51.86	167.643		
5,800.00	5,674.10	4,943.47	4,911.86	29.48	24.18	144.27	-1,855.16	-7,576.51	8,714.26	8,661.43	52.83	164.948		
5,900.00	5,771.62	5,043.95	5,012.82	30.00	24.63	144.34	-1,855.42	-7,577.96	8,734.08	8,680.41	53.66	162.763		
6,000.00	5,869.14	5,143.52	5,112.38	30.53	25.13	144.43	-1,855.29	-7,579.69	8,754.00	8,699.46	54.53	160.524		
6,100.00	5,966.66	5,243.24	5,212.08	31.05	25.64	144.52	-1,855.16	-7,581.57	8,773.89	8,718.43	55.46	158.203		
6,200.00	6,064.18	5,343.81	5,312.64	31.58	26.17	144.60	-1,854.93	-7,583.19	8,793.73	8,737.40	56.33	156.111		
6,300.00	6,161.70	5,443.12	5,412.93	32.10	26.72	144.68	-1,854.93	-7,584.78	8,813.76	8,756.59	57.16	154.189		
6,400.00	6,259.22	5,542.76	5,512.55	32.62	27.28	144.83	-1,855.64	-7,587.36	8,833.45	8,774.99	58.45	151.120		
6,500.00	6,356.74	5,642.00	5,611.78	33.15	27.83	144.90	-1,856.04	-7,588.07	8,852.69	8,793.46	59.24	149.449		
6,600.00	6,454.25	5,741.79	5,711.57	33.67	28.39	144.99	-1,856.88	-7,589.15	8,871.95	8,811.74	60.21	147.343		
6,623.48	6,477.15	5,761.05	5,730.82	33.80	28.69	145.01	-1,857.35	-7,589.28	8,876.44	8,816.03	60.42	146.916		
6,650.00	6,503.12	5,787.00	5,756.76	33.93	28.96	139.49	-1,857.93	-7,589.35	8,880.99	8,820.38	60.61	146.524		
6,700.00	6,552.50	5,836.00	5,805.71	34.16	29.87	120.68	-1,859.64	-7,589.43	8,886.70	8,825.75	60.95	145.809		
6,750.00	6,602.21	5,885.79	5,855.39	34.36	29.97	82.68	-1,862.12	-7,589.44	8,888.66	8,827.42	61.25	145.129		
6,800.00	6,651.92	5,935.58	5,905.01	34.54	30.05	43.72	-1,864.78	-7,589.40	8,886.87	8,825.38	61.49	144.523		
6,850.00	6,701.33	6,035.00	6,004.28	34.70	30.10	23.99	-1,866.88	-7,589.36	8,881.38	8,819.70	61.68	143.991		
6,900.00	6,750.14	6,134.42	6,103.47	34.86	30.15	14.37	-1,869.77	-7,589.33	8,872.24	8,810.38	61.86	143.425		
6,950.00	6,798.04	6,233.00	6,202.79	35.02	30.20	8.90	-1,872.49	-7,589.33	8,859.51	8,797.49	62.01	142.869		
7,000.00	6,844.75	6,332.00	6,301.79	35.19	30.20	5.38	-1,872.49	-7,589.33	8,843.28	8,781.19	62.09	142.428		
7,050.00	6,889.97	6,431.00	6,400.05	35.37	30.30	2.81	-1,879.20	-7,589.45	8,823.61	8,761.34	62.27	141.690		
7,100.00	6,933.42	6,530.00	6,500.05	35.57	30.30	0.83	-1,879.20	-7,589.45	8,800.58	8,738.26	62.32	141.208		
7,150.00	6,974.83	6,629.00	6,599.05	35.79	30.30	-0.83	-1,879.20	-7,589.45	8,774.41	8,712.05	62.36	140.706		
7,200.00	7,013.96	6,728.00	6,697.49	36.02	30.35	-2.36	-1,882.86	-7,589.58	8,745.15	8,682.71	62.44	140.049		
7,250.00	7,050.56	6,827.00	6,796.97	36.28	30.40	-3.85	-1,887.42	-7,589.80	8,713.04	8,650.52	62.53	139.349		
7,300.00	7,084.39	6,926.00	6,895.97	36.57	30.40	-5.33	-1,887.42	-7,589.80	8,678.16	8,615.62	62.53	138.774		
7,350.00	7,115.27	7,025.00	7,000.05	36.89	30.40	-6.95	-1,887.42	-7,589.80	8,640.77	8,578.23	62.54	138.174		
7,400.00	7,142.99	7,124.95	7,100.42	37.25	30.43	-8.84	-1,890.82	-7,589.98	8,601.04	8,538.46	62.58	137.444		
7,450.00	7,167.38	7,224.57	7,200.75	37.65	30.45	-11.11	-1,892.78	-7,590.09	8,559.21	8,496.61	62.60	136.732		
7,500.00	7,188.30	7,324.00	7,300.51	38.08	30.49	-14.04	-1,896.94	-7,590.33	8,515.52	8,452.87	62.64	135.934		
7,550.00	7,205.61	7,423.00	7,400.51	38.55	30.49	-17.84	-1,896.94	-7,590.33	8,470.18	8,407.54	62.64	135.224		
7,600.00	7,219.20	7,522.00	7,500.51	39.06	30.49	-23.19	-1,896.94	-7,590.33	8,423.48	8,360.85	62.63	134.486		
7,650.00	7,229.00	7,621.00	7,600.51	39.61	30.49	-31.23	-1,896.94	-7,590.33	8,375.71	8,313.07	62.64	133.721		
7,700.00	7,234.95	7,720.00	7,700.51	40.18	30.49	-43.98	-1,896.94	-7,590.33	8,327.12	8,264.48	62.64	132.930		
7,750.07	7,237.00	7,819.00	7,800.51	40.78	30.49	-64.20	-1,896.94	-7,590.33	8,277.95	8,215.30	62.66	132.111		
7,800.00	7,237.09	7,918.00	7,900.51	41.41	30.49	-64.20	-1,896.94	-7,590.33	8,228.76	8,166.08	62.68	131.282		
7,900.00	7,237.28	8,017.15	8,000.16	42.79	30.52	-64.57	-1,899.91	-7,590.50	8,130.25	8,067.49	62.77	129.534		
8,000.00	7,237.47	8,116.81	8,100.79	44.31	30.52	-64.59	-1,900.13	-7,590.51	8,031.79	7,968.97	62.83	127.843		
8,100.00	7,237.65	8,216.47	8,200.41	45.97	30.52	-64.62	-1,900.35	-7,590.52	7,933.37	7,870.48	62.90	126.134		
8,200.00	7,237.84	8,316.12	8,300.02	47.75	30.52	-64.65	-1,900.57	-7,590.54	7,834.99	7,772.01	62.98	124.408		
8,300.00	7,238.02	8,415.78	8,400.64	49.63	30.53	-64.67	-1,900.79	-7,590.55	7,736.65	7,673.58	63.07	122.665		
8,400.00	7,238.21	8,515.43	8,500.26	51.61	30.53	-64.70	-1,901.01	-7,590.56	7,638.36	7,575.18	63.18	120.903		
8,500.00	7,238.40	8,615.09	8,600.87	53.66	30.53	-64.73	-1,901.23	-7,590.57	7,540.11	7,476.81	63.30	119.124		
8,600.00	7,238.58	8,714.74	8,700.49	55.79	30.53	-64.75	-1,901.45	-7,590.58	7,441.90	7,378.47	63.43	117.327		
8,700.00	7,238.77	8,814.39	8,800.10	57.99	30.53	-64.78	-1,901.67	-7,590.60	7,343.75	7,280.17	63.58	115.512		
8,800.00	7,238.96	8,914.04	8,900.71	60.24	30.54	-64.81	-1,901.89	-7,590.61	7,245.64	7,181.90	63.74	113.679		
8,900.00	7,239.14	9,013.68	9,000.32	62.54	30.54	-64.83	-1,902.11	-7,590.62	7,147.59	7,083.67	63.92	111.827		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	6,680.33	6,641.92	64.88	30.54	-64.86	-1,902.33	-7,590.63	7,049.59	6,985.48	64.11	109.957		
9,100.00	7,239.52	6,680.98	6,642.53	67.27	30.54	-64.88	-1,902.55	-7,590.64	6,951.65	6,887.32	64.33	108.069		
9,200.00	7,239.70	6,681.62	6,643.14	69.69	30.54	-64.91	-1,902.77	-7,590.65	6,853.76	6,789.20	64.56	106.164		
9,300.00	7,239.89	6,682.26	6,643.74	72.15	30.54	-64.94	-1,902.99	-7,590.67	6,755.94	6,691.13	64.81	104.240		
9,400.00	7,240.07	6,682.90	6,644.34	74.63	30.55	-64.96	-1,903.21	-7,590.68	6,658.19	6,593.10	65.09	102.299		
9,500.00	7,240.26	6,683.54	6,644.94	77.14	30.55	-64.99	-1,903.43	-7,590.69	6,560.50	6,495.11	65.38	100.342		
9,600.00	7,240.45	6,684.18	6,645.54	79.68	30.55	-65.01	-1,903.65	-7,590.70	6,462.88	6,397.18	65.70	98.367		
9,700.00	7,240.63	6,684.82	6,646.14	82.23	30.55	-65.04	-1,903.87	-7,590.71	6,365.33	6,299.29	66.05	96.377		
9,800.00	7,240.82	6,685.45	6,646.74	84.81	30.55	-65.07	-1,904.09	-7,590.72	6,267.87	6,201.45	66.42	94.371		
9,900.00	7,241.01	6,685.00	6,655.66	87.40	30.58	-65.45	-1,907.48	-7,590.89	6,170.50	6,103.62	66.88	92.267		
10,000.00	7,241.19	6,695.00	6,655.66	90.01	30.58	-65.45	-1,907.48	-7,590.89	6,073.19	6,005.89	67.30	90.238		
10,100.00	7,241.38	6,695.00	6,655.66	92.64	30.58	-65.45	-1,907.48	-7,590.89	5,975.98	5,908.22	67.76	88.197		
10,200.00	7,241.56	6,695.00	6,655.66	95.28	30.58	-65.45	-1,907.48	-7,590.89	5,878.86	5,810.61	68.25	86.143		
10,300.00	7,241.75	6,695.00	6,655.66	97.93	30.58	-65.45	-1,907.48	-7,590.89	5,781.83	5,713.06	68.77	84.079		
10,400.00	7,241.94	6,695.00	6,655.66	100.59	30.58	-65.45	-1,907.48	-7,590.89	5,684.91	5,615.59	69.32	82.006		
10,500.00	7,242.12	6,695.00	6,655.66	103.26	30.58	-65.45	-1,907.48	-7,590.89	5,588.10	5,518.18	69.92	79.924		
10,600.00	7,242.31	6,695.00	6,655.66	105.95	30.58	-65.45	-1,907.48	-7,590.89	5,491.40	5,420.85	70.55	77.835		
10,700.00	7,242.50	6,695.00	6,655.66	108.64	30.58	-65.45	-1,907.48	-7,590.89	5,394.82	5,323.60	71.23	75.741		
10,800.00	7,242.68	6,695.00	6,655.66	111.34	30.58	-65.45	-1,907.48	-7,590.89	5,298.37	5,226.43	71.95	73.644		
10,900.00	7,242.87	6,695.00	6,655.66	114.05	30.58	-65.45	-1,907.48	-7,590.89	5,202.06	5,129.34	72.71	71.544		
11,000.00	7,243.05	6,695.00	6,655.66	116.76	30.58	-65.45	-1,907.48	-7,590.89	5,105.88	5,032.36	73.52	69.445		
11,100.00	7,243.24	6,695.00	6,655.66	119.49	30.58	-65.45	-1,907.48	-7,590.89	5,009.86	4,935.47	74.39	67.347		
11,200.00	7,243.43	6,695.00	6,655.66	122.22	30.58	-65.45	-1,907.48	-7,590.89	4,913.99	4,838.68	75.31	65.252		
11,300.00	7,243.61	6,695.00	6,655.66	124.95	30.58	-65.45	-1,907.48	-7,590.89	4,818.29	4,742.01	76.28	63.164		
11,400.00	7,243.80	6,695.00	6,655.66	127.69	30.58	-65.45	-1,907.48	-7,590.89	4,722.77	4,645.45	77.32	61.083		
11,500.00	7,243.99	6,695.00	6,655.66	130.44	30.58	-65.45	-1,907.48	-7,590.89	4,627.44	4,549.02	78.42	59.011		
11,600.00	7,244.17	6,695.00	6,655.66	133.19	30.58	-65.45	-1,907.48	-7,590.89	4,532.31	4,452.73	79.58	56.952		
11,700.00	7,244.36	6,695.00	6,655.66	135.94	30.58	-65.45	-1,907.48	-7,590.89	4,437.39	4,356.58	80.82	54.907		
11,800.00	7,244.55	6,695.00	6,655.66	138.70	30.58	-65.45	-1,907.48	-7,590.89	4,342.71	4,260.58	82.13	52.878		
11,900.00	7,244.73	6,695.00	6,655.66	141.47	30.58	-65.45	-1,907.48	-7,590.89	4,248.26	4,164.75	83.52	50.868		
12,000.00	7,244.92	6,695.00	6,655.66	144.24	30.58	-65.45	-1,907.48	-7,590.89	4,154.08	4,069.09	84.99	48.879		
12,100.00	7,245.10	6,695.00	6,655.66	147.01	30.58	-65.45	-1,907.48	-7,590.89	4,060.17	3,973.63	86.55	46.913		
12,200.00	7,245.29	6,695.00	6,655.66	149.78	30.58	-65.45	-1,907.48	-7,590.89	3,966.57	3,878.36	88.20	44.972		
12,300.00	7,245.48	6,695.00	6,655.66	152.56	30.58	-65.45	-1,907.48	-7,590.89	3,873.28	3,783.32	89.95	43.058		
12,400.00	7,245.66	6,695.00	6,655.66	155.34	30.58	-65.45	-1,907.48	-7,590.89	3,780.33	3,688.52	91.81	41.174		
12,500.00	7,245.85	6,695.00	6,655.66	158.12	30.58	-65.45	-1,907.48	-7,590.89	3,687.76	3,593.97	93.78	39.322		
12,600.00	7,246.04	6,695.00	6,655.66	160.91	30.58	-65.45	-1,907.48	-7,590.89	3,595.58	3,499.71	95.87	37.504		
12,700.00	7,246.22	6,695.00	6,655.66	163.70	30.58	-65.45	-1,907.48	-7,590.89	3,503.83	3,405.74	98.09	35.722		
12,800.00	7,246.41	6,695.00	6,655.66	166.49	30.58	-65.45	-1,907.48	-7,590.89	3,412.54	3,312.11	100.44	33.977		
12,900.00	7,246.59	6,695.00	6,655.66	169.28	30.58	-65.45	-1,907.48	-7,590.89	3,321.76	3,218.83	102.93	32.273		
13,000.00	7,246.78	6,695.00	6,655.66	172.08	30.58	-65.45	-1,907.48	-7,590.89	3,231.52	3,125.95	105.57	30.609		
13,100.00	7,246.97	6,695.00	6,655.66	174.88	30.58	-65.45	-1,907.48	-7,590.89	3,141.87	3,033.49	108.38	28.989		
13,200.00	7,247.15	6,705.40	6,665.32	177.68	30.61	-65.87	-1,911.31	-7,591.08	3,052.81	2,941.21	111.60	27.354		
13,300.00	7,247.34	6,705.97	6,665.85	180.48	30.61	-65.90	-1,911.52	-7,591.09	2,964.50	2,849.71	114.79	25.825		
13,400.00	7,247.53	6,706.54	6,666.38	183.28	30.61	-65.92	-1,911.74	-7,591.10	2,876.95	2,758.77	118.18	24.345		
13,500.00	7,247.71	6,707.11	6,666.91	186.09	30.61	-65.94	-1,911.95	-7,591.11	2,790.24	2,668.46	121.77	22.914		
13,600.00	7,247.90	6,707.68	6,667.43	188.90	30.61	-65.97	-1,912.17	-7,591.12	2,704.44	2,578.85	125.59	21.533		
13,700.00	7,248.08	6,708.25	6,667.97	191.70	30.62	-65.99	-1,912.39	-7,591.13	2,619.66	2,490.01	129.65	20.206		
13,800.00	7,248.27	6,708.83	6,668.50	194.52	30.62	-66.01	-1,912.61	-7,591.14	2,535.98	2,402.02	133.96	18.931		
13,900.00	7,248.46	6,709.41	6,669.03	197.33	30.62	-66.04	-1,912.83	-7,591.15	2,453.52	2,314.99	138.53	17.711		
14,000.00	7,248.64	6,709.98	6,669.57	200.14	30.62	-66.06	-1,913.05	-7,591.16	2,372.41	2,229.02	143.39	16.545		
14,100.00	7,248.83	6,710.56	6,670.10	202.95	30.62	-66.08	-1,913.27	-7,591.18	2,292.80	2,144.26	148.53	15.436		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	6,711.15	6,670.64	205.77	30.62	-66.11	-1,913.49	-7,591.19	2,214.84	2,060.85	153.98	14.384		
14,300.00	7,249.20	6,711.73	6,671.17	208.59	30.63	-66.13	-1,913.72	-7,591.20	2,138.71	1,978.97	159.74	13.389		
14,400.00	7,249.39	6,712.31	6,671.71	211.41	30.63	-66.15	-1,913.94	-7,591.21	2,064.62	1,898.80	165.82	12.451		
14,500.00	7,249.58	6,712.90	6,672.25	214.23	30.63	-66.18	-1,914.17	-7,591.22	1,992.79	1,820.58	172.21	11.572		
14,600.00	7,249.76	6,713.48	6,672.80	217.05	30.63	-66.20	-1,914.40	-7,591.23	1,923.48	1,744.58	178.91	10.751		
14,700.00	7,249.95	6,714.07	6,673.34	219.87	30.63	-66.23	-1,914.62	-7,591.24	1,856.97	1,671.08	185.89	9.989		
14,800.00	7,250.13	6,714.66	6,673.88	222.69	30.63	-66.25	-1,914.85	-7,591.25	1,793.58	1,600.44	193.14	9.286		
14,900.00	7,250.32	6,715.25	6,674.43	225.51	30.63	-66.27	-1,915.08	-7,591.26	1,733.63	1,533.03	200.60	8.642		
15,000.00	7,250.51	6,715.85	6,674.97	228.34	30.64	-66.30	-1,915.32	-7,591.27	1,677.51	1,469.29	208.21	8.057		
15,100.00	7,250.69	6,716.44	6,675.52	231.16	30.64	-66.32	-1,915.55	-7,591.29	1,625.60	1,409.71	215.89	7.530		
15,200.00	7,250.88	6,727.00	6,685.20	233.99	30.67	-66.75	-1,919.76	-7,591.49	1,578.44	1,354.30	224.13	7.042		
15,300.00	7,251.07	6,727.00	6,685.20	236.82	30.67	-66.75	-1,919.76	-7,591.49	1,536.22	1,304.63	231.59	6.633		
15,400.00	7,251.25	6,727.00	6,685.20	239.65	30.67	-66.75	-1,919.76	-7,591.49	1,499.50	1,260.77	238.73	6.281		
15,500.00	7,251.44	6,727.00	6,685.20	242.47	30.67	-66.75	-1,919.76	-7,591.49	1,468.67	1,223.29	245.38	5.985		
15,600.00	7,251.62	6,727.00	6,685.20	245.30	30.67	-66.75	-1,919.76	-7,591.49	1,444.13	1,192.75	251.38	5.745		
15,700.00	7,251.81	6,727.00	6,685.20	248.13	30.67	-66.75	-1,919.76	-7,591.49	1,426.20	1,169.64	256.56	5.559		
15,800.00	7,252.00	6,727.00	6,685.20	250.97	30.67	-66.75	-1,919.76	-7,591.49	1,415.12	1,154.34	260.78	5.426		
15,900.00	7,252.18	6,727.00	6,685.20	253.80	30.67	-66.75	-1,919.76	-7,591.49	1,411.05	1,147.12	263.93	5.346		
15,907.42	7,252.20	6,727.00	6,685.20	254.01	30.67	-66.75	-1,919.76	-7,591.49	1,411.03	1,146.91	264.12	5.342 CC, ES		
16,000.00	7,252.37	6,727.00	6,685.20	256.63	30.67	-66.75	-1,919.76	-7,591.49	1,414.07	1,148.12	265.95	5.317 SF		
16,100.00	7,252.56	6,727.00	6,685.20	259.46	30.67	-66.75	-1,919.76	-7,591.49	1,424.11	1,157.30	266.81	5.337		
16,200.00	7,252.74	6,727.00	6,685.20	262.30	30.67	-66.75	-1,919.76	-7,591.49	1,441.05	1,174.47	266.57	5.406		
16,300.00	7,252.93	6,727.00	6,685.20	265.13	30.67	-66.75	-1,919.76	-7,591.49	1,464.63	1,199.33	265.30	5.521		
16,400.00	7,253.11	6,727.00	6,685.20	267.96	30.67	-66.75	-1,919.76	-7,591.49	1,494.54	1,231.43	263.11	5.680		
16,500.00	7,253.30	6,727.00	6,685.20	270.80	30.67	-66.75	-1,919.76	-7,591.49	1,530.41	1,270.27	260.14	5.883		
16,600.00	7,253.49	6,727.00	6,685.20	273.64	30.67	-66.75	-1,919.76	-7,591.49	1,571.84	1,315.30	256.54	6.127		
16,700.00	7,253.67	6,727.00	6,685.20	276.47	30.67	-66.75	-1,919.76	-7,591.49	1,618.39	1,365.95	252.44	6.411		
16,800.00	7,253.86	6,727.00	6,685.20	279.31	30.67	-66.75	-1,919.76	-7,591.49	1,669.64	1,421.65	247.99	6.733		
16,900.00	7,254.05	6,727.00	6,685.20	282.15	30.67	-66.75	-1,919.76	-7,591.49	1,725.17	1,481.87	243.30	7.091		
17,000.00	7,254.23	6,727.00	6,685.20	284.98	30.67	-66.75	-1,919.76	-7,591.49	1,784.58	1,546.11	238.47	7.483		
17,100.00	7,254.42	6,727.00	6,685.20	287.82	30.67	-66.75	-1,919.76	-7,591.49	1,847.50	1,613.91	233.59	7.909		
17,200.00	7,254.61	6,727.00	6,685.20	290.66	30.67	-66.75	-1,919.76	-7,591.49	1,913.57	1,684.85	228.72	8.366		
17,300.00	7,254.79	6,727.00	6,685.20	293.50	30.67	-66.75	-1,919.76	-7,591.49	1,982.49	1,758.57	223.92	8.854		
17,400.00	7,254.98	6,727.00	6,685.20	296.34	30.67	-66.75	-1,919.76	-7,591.49	2,053.97	1,834.75	219.22	9.370		
17,500.00	7,255.16	6,727.00	6,685.20	299.18	30.67	-66.75	-1,919.76	-7,591.49	2,127.75	1,913.10	214.65	9.913		
17,600.00	7,255.35	6,727.00	6,685.20	302.02	30.67	-66.75	-1,919.76	-7,591.49	2,203.59	1,993.36	210.24	10.481		
17,700.00	7,255.54	6,727.00	6,685.20	304.86	30.67	-66.75	-1,919.76	-7,591.49	2,281.30	2,075.32	205.99	11.075		
17,800.00	7,255.72	6,727.00	6,685.20	307.70	30.67	-66.75	-1,919.76	-7,591.49	2,360.69	2,158.78	201.91	11.692		
17,900.00	7,255.91	6,727.00	6,685.20	310.54	30.67	-66.75	-1,919.76	-7,591.49	2,441.59	2,243.59	198.00	12.331		
18,000.00	7,256.10	6,727.00	6,685.20	313.39	30.67	-66.75	-1,919.76	-7,591.49	2,523.86	2,329.59	194.27	12.992		
18,100.00	7,256.28	6,727.00	6,685.20	316.23	30.67	-66.75	-1,919.76	-7,591.49	2,607.37	2,416.67	190.71	13.672		
18,200.00	7,256.47	6,727.00	6,685.20	319.07	30.67	-66.75	-1,919.76	-7,591.49	2,692.01	2,504.70	187.31	14.372		
18,300.00	7,256.65	6,727.00	6,685.20	321.91	30.67	-66.75	-1,919.76	-7,591.49	2,777.67	2,593.59	184.08	15.090		
18,400.00	7,256.84	6,727.00	6,685.20	324.76	30.67	-66.75	-1,919.76	-7,591.49	2,864.25	2,683.26	180.99	15.825		
18,500.00	7,257.03	6,727.00	6,685.20	327.60	30.67	-66.75	-1,919.76	-7,591.49	2,951.69	2,773.63	178.06	16.577		
18,600.00	7,257.21	6,727.00	6,685.20	330.44	30.67	-66.75	-1,919.76	-7,591.49	3,039.90	2,864.63	175.27	17.344		
18,700.00	7,257.40	6,727.00	6,685.20	333.29	30.67	-66.75	-1,919.76	-7,591.49	3,128.82	2,956.20	172.61	18.126		
18,800.00	7,257.59	6,727.00	6,685.20	336.13	30.67	-66.75	-1,919.76	-7,591.49	3,218.39	3,048.30	170.08	18.923		
18,900.00	7,257.77	6,727.00	6,685.20	338.98	30.67	-66.75	-1,919.76	-7,591.49	3,308.55	3,140.88	167.67	19.732		
19,000.00	7,257.96	6,738.02	6,695.23	341.82	30.69	-67.20	-1,924.33	-7,591.69	3,399.20	3,233.40	165.80	20.502		
19,022.43	7,258.00	6,738.13	6,695.32	342.46	30.69	-67.20	-1,924.37	-7,591.69	3,419.62	3,254.32	165.30	20.687		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-106.61	-2,122.15	-7,111.85	7,421.73					
100.00	100.00	112.98	112.98	3.28	3.29	-106.62	-2,122.34	-7,111.61	7,421.58	7,415.01	6.57	1,128.910		
200.00	200.00	203.81	203.81	3.34	3.33	-106.62	-2,122.81	-7,111.17	7,421.27	7,414.61	6.67	1,113.152		
248.00	248.00	238.00	238.00	3.38	3.36	-106.62	-2,123.11	-7,111.04	7,421.22	7,414.48	6.74	1,100.895		
300.00	300.00	262.67	262.67	3.44	3.38	-106.63	-2,123.35	-7,111.01	7,421.31	7,414.48	6.83	1,086.828		
400.00	399.98	306.39	306.38	3.60	3.43	137.35	-2,123.73	-7,111.23	7,423.34	7,416.30	7.03	1,055.423		
500.00	499.84	453.32	453.30	3.79	3.67	137.32	-2,125.19	-7,112.37	7,428.31	7,420.85	7.47	995.031		
600.00	599.45	581.92	581.89	4.03	3.96	137.27	-2,126.97	-7,112.14	7,434.93	7,426.95	7.99	930.809		
700.00	698.70	714.15	714.10	4.30	4.31	137.22	-2,128.47	-7,111.57	7,443.83	7,435.22	8.61	864.287		
800.00	797.47	797.29	797.24	4.61	4.56	137.13	-2,129.72	-7,111.06	7,455.20	7,446.03	9.17	813.416		
900.00	895.62	941.80	941.73	4.96	5.02	137.07	-2,131.80	-7,109.90	7,468.97	7,459.00	9.96	749.607		
939.50	934.20	992.55	992.46	5.10	5.19	137.04	-2,132.45	-7,109.24	7,474.88	7,464.61	10.28	727.374		
1,000.00	993.20	1,043.64	1,043.55	5.33	5.36	137.09	-2,132.90	-7,108.65	7,484.28	7,473.61	10.67	701.312		
1,100.00	1,090.72	1,126.59	1,126.50	5.73	5.65	137.18	-2,133.26	-7,107.93	7,499.99	7,488.64	11.34	661.305		
1,200.00	1,188.24	1,226.47	1,226.37	6.15	6.01	137.30	-2,133.57	-7,107.24	7,515.84	7,503.75	12.10	621.295		
1,300.00	1,285.76	1,311.20	1,311.11	6.59	6.32	137.39	-2,133.88	-7,106.62	7,531.72	7,518.90	12.82	587.457		
1,400.00	1,383.28	1,418.37	1,418.27	7.04	6.72	137.51	-2,134.26	-7,106.01	7,547.77	7,534.12	13.65	553.076		
1,500.00	1,480.80	1,522.08	1,521.98	7.50	7.12	137.63	-2,134.25	-7,105.29	7,563.63	7,549.15	14.47	522.599		
1,600.00	1,578.31	1,633.35	1,633.24	7.96	7.54	137.75	-2,134.21	-7,104.43	7,579.43	7,564.09	15.34	493.997		
1,700.00	1,675.83	1,708.40	1,708.29	8.44	7.84	137.84	-2,134.20	-7,103.89	7,595.31	7,579.23	16.08	472.283		
1,800.00	1,773.35	1,812.51	1,812.40	8.92	8.25	137.95	-2,134.47	-7,103.21	7,611.36	7,594.41	16.95	449.058		
1,900.00	1,870.87	1,868.67	1,868.56	9.40	8.47	138.01	-2,134.67	-7,102.91	7,627.59	7,609.97	17.62	432.871		
2,000.00	1,968.39	1,917.00	1,916.89	9.89	8.66	138.07	-2,134.54	-7,103.04	7,644.44	7,626.18	18.26	418.578		
2,100.00	2,065.91	1,978.29	1,978.17	10.39	8.89	138.14	-2,133.93	-7,103.68	7,661.86	7,642.91	18.95	404.306		
2,200.00	2,163.43	2,043.74	2,043.60	10.88	9.13	138.23	-2,132.70	-7,104.86	7,679.79	7,660.13	19.66	390.663		
2,300.00	2,260.95	2,126.24	2,126.03	11.38	9.45	138.34	-2,130.03	-7,106.91	7,698.05	7,677.62	20.44	376.646		
2,400.00	2,358.46	2,266.01	2,265.53	11.89	9.99	138.56	-2,122.46	-7,110.92	7,716.21	7,694.75	21.46	359.574		
2,500.00	2,455.98	2,399.49	2,398.64	12.39	10.52	138.78	-2,113.12	-7,114.46	7,733.82	7,711.35	22.47	344.229		
2,600.00	2,553.50	2,453.75	2,452.70	12.89	10.74	138.87	-2,108.86	-7,116.07	7,751.57	7,728.42	23.15	334.831		
2,700.00	2,651.02	2,543.49	2,542.07	13.40	11.10	139.03	-2,101.28	-7,119.24	7,769.78	7,745.79	23.99	323.901		
2,800.00	2,748.54	2,650.14	2,648.18	13.91	11.54	139.23	-2,091.24	-7,123.04	7,787.86	7,762.95	24.91	312.697		
2,900.00	2,846.06	2,727.81	2,725.37	14.42	11.87	139.37	-2,083.21	-7,126.01	7,806.07	7,780.37	25.70	303.711		
3,000.00	2,943.58	2,798.31	2,795.35	14.93	12.17	139.51	-2,075.24	-7,129.11	7,824.65	7,798.18	26.47	295.597		
3,100.00	3,041.10	2,869.54	2,866.03	15.45	12.47	139.65	-2,067.11	-7,132.48	7,843.61	7,816.36	27.25	287.890		
3,200.00	3,138.61	2,952.92	2,948.81	15.96	12.83	139.81	-2,057.98	-7,136.52	7,862.86	7,834.78	28.08	280.036		
3,300.00	3,236.13	3,010.75	3,006.26	16.47	13.09	139.92	-2,051.93	-7,139.42	7,882.46	7,853.66	28.79	273.753		
3,400.00	3,333.65	3,069.05	3,064.14	16.99	13.34	140.03	-2,045.80	-7,142.67	7,902.62	7,873.11	29.51	267.775		
3,500.00	3,431.17	3,157.95	3,152.41	17.50	13.73	140.20	-2,036.55	-7,147.82	7,923.11	7,892.73	30.38	260.829		
3,600.00	3,528.69	3,358.59	3,351.82	18.02	14.62	140.56	-2,016.94	-7,158.00	7,943.20	7,911.42	31.78	249.962		
3,700.00	3,626.21	3,436.84	3,429.59	18.54	14.97	140.70	-2,009.02	-7,161.59	7,962.75	7,930.16	32.60	244.260		
3,800.00	3,723.73	3,558.08	3,550.05	19.06	15.52	140.92	-1,996.40	-7,166.97	7,982.18	7,948.55	33.63	237.335		
3,900.00	3,821.25	3,628.00	3,619.52	19.57	15.84	141.05	-1,989.12	-7,170.08	8,001.72	7,967.30	34.42	232.488		
4,000.00	3,918.77	3,690.80	3,681.92	20.09	16.12	141.16	-1,982.64	-7,173.09	8,021.68	7,986.51	35.17	228.095		
4,100.00	4,016.28	3,766.47	3,757.09	20.61	16.47	141.30	-1,974.94	-7,177.04	8,042.11	8,006.13	35.98	223.504		
4,200.00	4,113.80	3,843.88	3,834.01	21.13	16.82	141.44	-1,967.21	-7,181.10	8,062.70	8,025.89	36.81	219.065		
4,300.00	4,211.32	3,913.00	3,902.60	21.65	17.14	141.56	-1,959.80	-7,185.19	8,083.79	8,046.20	37.59	215.065		
4,400.00	4,308.84	3,971.50	3,960.61	22.17	17.41	141.67	-1,953.19	-7,188.94	8,105.30	8,066.98	38.32	211.525		
4,500.00	4,406.36	4,064.25	4,052.53	22.69	17.85	141.85	-1,942.45	-7,195.04	8,127.05	8,087.82	39.23	207.181		
4,600.00	4,503.88	4,242.95	4,229.62	23.21	18.70	142.19	-1,921.05	-7,205.80	8,148.22	8,107.63	40.59	200.767		
4,700.00	4,601.40	4,334.80	4,320.74	23.73	19.13	142.36	-1,910.71	-7,210.87	8,169.19	8,127.70	41.49	196.885		
4,800.00	4,698.92	4,551.77	4,536.24	24.26	20.15	142.74	-1,887.52	-7,220.59	8,189.23	8,146.18	43.04	190.262		
4,900.00	4,796.43	4,688.75	4,672.39	24.78	20.79	142.97	-1,873.28	-7,225.45	8,208.66	8,164.48	44.18	185.810		

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 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,893.95	4,762.12	4,745.42	25.30	21.13	143.09	-1,866.60	-7,227.79	8,228.03	8,183.04	44.99	182.902		
5,100.00	4,991.47	4,875.45	4,858.37	25.82	21.65	143.26	-1,857.99	-7,231.09	8,247.45	8,201.46	45.99	179.342		
5,200.00	5,088.99	4,944.29	4,927.06	26.34	21.96	143.36	-1,853.67	-7,233.01	8,267.01	8,220.24	46.76	176.788		
5,300.00	5,186.51	5,190.70	5,173.25	26.87	23.02	143.65	-1,845.01	-7,236.60	8,285.65	8,237.28	48.37	171.282		
5,400.00	5,284.03	5,258.63	5,241.18	27.39	23.30	143.72	-1,844.05	-7,236.91	8,303.86	8,254.73	49.13	169.017		
5,500.00	5,381.55	5,326.01	5,308.55	27.91	23.59	143.79	-1,843.37	-7,237.42	8,322.44	8,272.56	49.88	166.845		
5,600.00	5,479.07	5,384.06	5,366.60	28.43	23.83	143.84	-1,842.98	-7,238.06	8,341.44	8,290.85	50.59	164.897		
5,700.00	5,576.58	5,433.00	5,415.53	28.96	24.03	143.89	-1,842.79	-7,238.80	8,360.94	8,309.69	51.25	163.155		
5,800.00	5,674.10	5,493.16	5,475.67	29.48	24.28	143.95	-1,842.69	-7,240.01	8,380.95	8,328.99	51.95	161.315		
5,900.00	5,771.62	5,734.18	5,716.63	30.00	25.24	144.14	-1,846.15	-7,242.95	8,400.50	8,347.02	53.48	157.067		
6,000.00	5,869.14	5,839.04	5,821.48	30.53	25.66	144.23	-1,848.13	-7,243.14	8,419.07	8,364.68	54.39	154.791		
6,100.00	5,966.66	5,929.30	5,911.73	31.05	26.02	144.30	-1,849.33	-7,243.38	8,437.67	8,382.43	55.23	152.764		
6,200.00	6,064.18	6,011.16	5,993.58	31.58	26.35	144.37	-1,850.13	-7,243.78	8,456.43	8,400.39	56.04	150.898		
6,300.00	6,161.70	6,102.77	6,085.19	32.10	26.72	144.44	-1,850.90	-7,244.36	8,475.33	8,418.43	56.89	148.966		
6,400.00	6,259.22	6,191.37	6,173.78	32.62	27.08	144.52	-1,851.68	-7,244.98	8,494.32	8,436.59	57.73	147.126		
6,500.00	6,356.74	6,277.60	6,260.01	33.15	27.43	144.59	-1,852.45	-7,245.70	8,513.45	8,454.89	58.57	145.367		
6,600.00	6,454.25	6,352.59	6,334.98	33.67	27.74	144.65	-1,852.90	-7,246.49	8,532.78	8,473.44	59.34	143.783		
6,623.48	6,477.15	6,369.81	6,352.20	33.80	27.81	144.67	-1,852.95	-7,246.72	8,537.36	8,477.84	59.53	143.422		
6,650.00	6,503.12	6,400.47	6,382.86	33.93	27.94	139.17	-1,852.99	-7,247.13	8,542.01	8,482.23	59.78	142.887		
6,700.00	6,552.50	6,445.00	6,427.39	34.16	28.12	120.39	-1,853.04	-7,247.68	8,547.79	8,487.60	60.19	142.013		
6,750.00	6,602.21	6,464.57	6,446.96	34.36	28.20	82.40	-1,853.21	-7,247.94	8,549.83	8,489.37	60.46	141.417		
6,800.00	6,651.92	6,477.00	6,459.39	34.54	28.25	43.45	-1,853.45	-7,248.14	8,548.19	8,487.53	60.66	140.909		
6,850.00	6,701.33	6,493.55	6,475.92	34.70	28.32	23.73	-1,854.02	-7,248.43	8,542.89	8,482.02	60.86	140.362		
6,900.00	6,750.14	6,509.00	6,491.35	34.86	28.38	14.13	-1,854.82	-7,248.74	8,533.95	8,472.92	61.04	139.815		
6,950.00	6,798.04	6,509.00	6,491.35	35.02	28.38	8.67	-1,854.82	-7,248.74	8,521.46	8,460.34	61.12	139.419		
7,000.00	6,844.75	6,527.85	6,510.14	35.19	28.45	5.14	-1,856.19	-7,249.19	8,505.43	8,444.15	61.28	138.801		
7,050.00	6,889.97	6,541.00	6,523.23	35.37	28.51	2.60	-1,857.40	-7,249.55	8,486.00	8,424.61	61.39	138.222		
7,100.00	6,933.42	6,541.00	6,523.23	35.57	28.51	0.62	-1,857.40	-7,249.55	8,463.26	8,401.83	61.43	137.762		
7,150.00	6,974.83	6,558.19	6,540.31	35.79	28.57	-1.06	-1,859.30	-7,250.09	8,437.30	8,375.75	61.54	137.098		
7,200.00	7,013.96	6,572.00	6,554.00	36.02	28.62	-2.58	-1,861.07	-7,250.56	8,408.28	8,346.66	61.62	136.445		
7,250.00	7,050.56	6,572.00	6,554.00	36.28	28.62	-4.03	-1,861.07	-7,250.56	8,376.36	8,314.73	61.63	135.910		
7,300.00	7,084.39	6,589.08	6,570.88	36.57	28.69	-5.55	-1,863.57	-7,251.18	8,341.68	8,279.97	61.71	135.173		
7,350.00	7,115.27	6,604.00	6,585.59	36.89	28.74	-7.21	-1,866.02	-7,251.75	8,304.47	8,242.69	61.78	134.430		
7,400.00	7,142.99	6,611.20	6,592.67	37.25	28.77	-9.09	-1,867.29	-7,252.03	8,264.89	8,203.09	61.80	133.739		
7,450.00	7,167.38	6,625.96	6,607.15	37.65	28.82	-11.40	-1,870.07	-7,252.58	8,223.17	8,161.32	61.86	132.942		
7,500.00	7,188.30	6,635.00	6,616.00	38.08	28.85	-14.30	-1,871.90	-7,252.91	8,179.56	8,117.67	61.89	132.172		
7,550.00	7,205.61	6,649.73	6,630.38	38.55	28.90	-18.22	-1,875.06	-7,253.43	8,134.29	8,072.35	61.94	131.319		
7,600.00	7,219.20	6,658.48	6,638.90	39.06	28.93	-23.70	-1,877.05	-7,253.73	8,087.65	8,025.68	61.98	130.494		
7,650.00	7,229.00	6,667.00	6,647.17	39.61	28.96	-31.93	-1,879.06	-7,254.02	8,039.91	7,977.90	62.02	129.644		
7,700.00	7,234.95	6,667.00	6,647.17	40.18	28.96	-44.69	-1,879.06	-7,254.02	7,991.36	7,929.34	62.02	128.848		
7,750.07	7,237.00	6,667.00	6,647.17	40.78	28.96	-64.65	-1,879.06	-7,254.02	7,942.23	7,880.19	62.04	128.023		
7,800.00	7,237.09	6,667.00	6,647.17	41.41	28.96	-64.65	-1,879.06	-7,254.02	7,893.07	7,831.01	62.06	127.188		
7,900.00	7,237.28	6,667.00	6,647.17	42.79	28.96	-64.65	-1,879.06	-7,254.02	7,794.65	7,732.54	62.11	125.506		
8,000.00	7,237.47	6,674.66	6,654.58	44.31	28.99	-64.96	-1,880.94	-7,254.27	7,696.26	7,634.06	62.20	123.734		
8,100.00	7,237.65	6,676.24	6,656.12	45.97	28.99	-65.02	-1,881.34	-7,254.32	7,597.91	7,535.64	62.28	122.002		
8,200.00	7,237.84	6,677.81	6,657.64	47.75	29.00	-65.08	-1,881.74	-7,254.37	7,499.62	7,437.25	62.37	120.253		
8,300.00	7,238.02	6,679.38	6,659.15	49.63	29.00	-65.15	-1,882.14	-7,254.42	7,401.36	7,338.89	62.47	118.486		
8,400.00	7,238.21	6,680.93	6,660.65	51.61	29.01	-65.21	-1,882.53	-7,254.47	7,303.15	7,240.57	62.58	116.700		
8,500.00	7,238.40	6,682.48	6,662.15	53.66	29.01	-65.27	-1,882.93	-7,254.52	7,204.99	7,142.29	62.71	114.897		
8,600.00	7,238.58	6,684.02	6,663.63	55.79	29.02	-65.34	-1,883.33	-7,254.57	7,106.89	7,044.03	62.85	113.075		
8,700.00	7,238.77	6,685.55	6,665.11	57.99	29.02	-65.40	-1,883.73	-7,254.62	7,008.83	6,945.82	63.01	111.234		
8,800.00	7,238.96	6,687.08	6,666.58	60.24	29.03	-65.46	-1,884.13	-7,254.67	6,910.83	6,847.64	63.18	109.375		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	6,688.59	6,668.04	62.54	29.03	-65.52	-1,884.53	-7,254.72	6,812.88	6,749.51	63.38	107.497		
9,000.00	7,239.33	6,690.10	6,669.49	64.88	29.04	-65.59	-1,884.93	-7,254.77	6,715.00	6,651.41	63.59	105.601		
9,100.00	7,239.52	6,698.00	6,677.09	67.27	29.07	-65.91	-1,887.08	-7,255.02	6,617.19	6,553.33	63.86	103.624		
9,200.00	7,239.70	6,698.00	6,677.09	69.69	29.07	-65.91	-1,887.08	-7,255.02	6,519.43	6,455.33	64.10	101.705		
9,300.00	7,239.89	6,698.00	6,677.09	72.15	29.07	-65.91	-1,887.08	-7,255.02	6,421.74	6,357.37	64.37	99.768		
9,400.00	7,240.07	6,698.00	6,677.09	74.63	29.07	-65.91	-1,887.08	-7,255.02	6,324.12	6,259.47	64.65	97.814		
9,500.00	7,240.26	6,698.00	6,677.09	77.14	29.07	-65.91	-1,887.08	-7,255.02	6,226.58	6,161.61	64.97	95.842		
9,600.00	7,240.45	6,698.00	6,677.09	79.68	29.07	-65.91	-1,887.08	-7,255.02	6,129.12	6,063.81	65.31	93.853		
9,700.00	7,240.63	6,698.00	6,677.09	82.23	29.07	-65.91	-1,887.08	-7,255.02	6,031.74	5,966.07	65.67	91.849		
9,800.00	7,240.82	6,698.00	6,677.09	84.81	29.07	-65.91	-1,887.08	-7,255.02	5,934.45	5,868.38	66.06	89.829		
9,900.00	7,241.01	6,698.00	6,677.09	87.40	29.07	-65.91	-1,887.08	-7,255.02	5,837.25	5,770.76	66.49	87.794		
10,000.00	7,241.19	6,698.00	6,677.09	90.01	29.07	-65.91	-1,887.08	-7,255.02	5,740.14	5,673.20	66.94	85.746		
10,100.00	7,241.38	6,705.92	6,684.70	92.64	29.09	-66.23	-1,889.29	-7,255.27	5,643.13	5,575.63	67.49	83.610		
10,200.00	7,241.56	6,707.31	6,686.02	95.28	29.10	-66.29	-1,889.69	-7,255.31	5,546.22	5,478.19	68.03	81.524		
10,300.00	7,241.75	6,708.69	6,687.34	97.93	29.10	-66.35	-1,890.08	-7,255.35	5,449.43	5,380.83	68.61	79.429		
10,400.00	7,241.94	6,710.06	6,688.66	100.59	29.10	-66.40	-1,890.48	-7,255.39	5,352.76	5,283.54	69.22	77.326		
10,500.00	7,242.12	6,711.43	6,689.97	103.26	29.11	-66.46	-1,890.87	-7,255.44	5,256.21	5,186.33	69.88	75.215		
10,600.00	7,242.31	6,712.80	6,691.28	105.95	29.11	-66.52	-1,891.27	-7,255.48	5,159.79	5,089.20	70.59	73.099		
10,700.00	7,242.50	6,714.16	6,692.58	108.64	29.12	-66.57	-1,891.67	-7,255.52	5,063.51	4,992.17	71.34	70.980		
10,800.00	7,242.68	6,715.52	6,693.88	111.34	29.12	-66.63	-1,892.06	-7,255.56	4,967.37	4,895.24	72.14	68.859		
10,900.00	7,242.87	6,716.87	6,695.17	114.05	29.13	-66.69	-1,892.46	-7,255.61	4,871.39	4,798.40	72.99	66.738		
11,000.00	7,243.05	6,718.22	6,696.45	116.76	29.13	-66.74	-1,892.86	-7,255.65	4,775.58	4,701.67	73.90	64.619		
11,100.00	7,243.24	6,719.56	6,697.74	119.49	29.14	-66.80	-1,893.26	-7,255.69	4,679.93	4,605.06	74.87	62.505		
11,200.00	7,243.43	6,720.90	6,699.01	122.22	29.14	-66.85	-1,893.66	-7,255.73	4,584.48	4,508.57	75.90	60.398		
11,300.00	7,243.61	6,730.00	6,707.68	124.95	29.17	-67.23	-1,896.43	-7,256.01	4,489.23	4,412.14	77.09	58.232		
11,400.00	7,243.80	6,730.00	6,707.68	127.69	29.17	-67.23	-1,896.43	-7,256.01	4,394.18	4,315.93	78.25	56.158		
11,500.00	7,243.99	6,730.00	6,707.68	130.44	29.17	-67.23	-1,896.43	-7,256.01	4,299.35	4,219.87	79.48	54.097		
11,600.00	7,244.17	6,730.00	6,707.68	133.19	29.17	-67.23	-1,896.43	-7,256.01	4,204.75	4,123.97	80.78	52.051		
11,700.00	7,244.36	6,730.00	6,707.68	135.94	29.17	-67.23	-1,896.43	-7,256.01	4,110.42	4,028.25	82.17	50.024		
11,800.00	7,244.55	6,730.00	6,707.68	138.70	29.17	-67.23	-1,896.43	-7,256.01	4,016.36	3,932.71	83.64	48.018		
11,900.00	7,244.73	6,730.00	6,707.68	141.47	29.17	-67.23	-1,896.43	-7,256.01	3,922.59	3,837.38	85.21	46.035		
12,000.00	7,244.92	6,730.00	6,707.68	144.24	29.17	-67.23	-1,896.43	-7,256.01	3,829.14	3,742.26	86.87	44.077		
12,100.00	7,245.10	6,730.00	6,707.68	147.01	29.17	-67.23	-1,896.43	-7,256.01	3,736.02	3,647.38	88.64	42.147		
12,200.00	7,245.29	6,730.00	6,707.68	149.78	29.17	-67.23	-1,896.43	-7,256.01	3,643.28	3,552.75	90.52	40.247		
12,300.00	7,245.48	6,730.00	6,707.68	152.56	29.17	-67.23	-1,896.43	-7,256.01	3,550.92	3,458.40	92.52	38.381		
12,400.00	7,245.66	6,730.00	6,707.68	155.34	29.17	-67.23	-1,896.43	-7,256.01	3,458.99	3,364.35	94.64	36.549		
12,500.00	7,245.85	6,730.00	6,707.68	158.12	29.17	-67.23	-1,896.43	-7,256.01	3,367.52	3,270.63	96.90	34.754		
12,600.00	7,246.04	6,730.00	6,707.68	160.91	29.17	-67.23	-1,896.43	-7,256.01	3,276.55	3,177.26	99.29	32.999		
12,700.00	7,246.22	6,739.28	6,716.49	163.70	29.20	-67.61	-1,899.35	-7,256.29	3,186.09	3,084.07	102.02	31.230		
12,800.00	7,246.41	6,740.44	6,717.58	166.49	29.20	-67.66	-1,899.72	-7,256.33	3,096.24	2,991.47	104.76	29.555		
12,900.00	7,246.59	6,741.59	6,718.67	169.28	29.21	-67.71	-1,900.09	-7,256.36	3,007.02	2,899.34	107.68	27.926		
13,000.00	7,246.78	6,742.75	6,719.77	172.08	29.21	-67.76	-1,900.47	-7,256.40	2,918.51	2,807.73	110.78	26.345		
13,100.00	7,246.97	6,743.92	6,720.87	174.88	29.21	-67.80	-1,900.84	-7,256.43	2,830.76	2,716.67	114.08	24.813		
13,200.00	7,247.15	6,745.08	6,721.97	177.68	29.22	-67.85	-1,901.22	-7,256.47	2,743.85	2,626.25	117.60	23.332		
13,300.00	7,247.34	6,746.25	6,723.07	180.48	29.22	-67.90	-1,901.60	-7,256.51	2,657.85	2,536.51	121.34	21.904		
13,400.00	7,247.53	6,747.41	6,724.17	183.28	29.23	-67.95	-1,901.99	-7,256.54	2,572.87	2,447.55	125.32	20.530		
13,500.00	7,247.71	6,748.58	6,725.28	186.09	29.23	-68.00	-1,902.37	-7,256.58	2,489.00	2,359.44	129.56	19.211		
13,600.00	7,247.90	6,749.76	6,726.38	188.90	29.23	-68.05	-1,902.76	-7,256.61	2,406.36	2,272.30	134.07	17.949		
13,700.00	7,248.08	6,750.93	6,727.49	191.70	29.24	-68.10	-1,903.15	-7,256.65	2,325.09	2,186.23	138.86	16.744		
13,800.00	7,248.27	6,752.11	6,728.60	194.52	29.24	-68.14	-1,903.54	-7,256.69	2,245.33	2,101.38	143.95	15.598		
13,900.00	7,248.46	6,761.00	6,736.96	197.33	29.27	-68.51	-1,906.56	-7,256.97	2,167.28	2,017.66	149.61	14.486		
14,000.00	7,248.64	6,761.00	6,736.96	200.14	29.27	-68.51	-1,906.56	-7,256.97	2,091.05	1,935.74	155.31	13.464		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	6,761.00	6,736.96	202.95	29.27	-68.51	-1,906.56	-7,256.97	2,016.90	1,855.57	161.32	12.502		
14,200.00	7,249.02	6,761.00	6,736.96	205.77	29.27	-68.51	-1,906.56	-7,256.97	1,945.06	1,777.40	167.66	11.601		
14,300.00	7,249.20	6,761.00	6,736.96	208.59	29.27	-68.51	-1,906.56	-7,256.97	1,875.81	1,701.49	174.31	10.761		
14,400.00	7,249.39	6,761.00	6,736.96	211.41	29.27	-68.51	-1,906.56	-7,256.97	1,809.43	1,628.17	181.26	9.982		
14,500.00	7,249.58	6,761.00	6,736.96	214.23	29.27	-68.51	-1,906.56	-7,256.97	1,746.26	1,557.78	188.48	9.265		
14,600.00	7,249.76	6,761.00	6,736.96	217.05	29.27	-68.51	-1,906.56	-7,256.97	1,686.66	1,490.75	195.91	8.609		
14,700.00	7,249.95	6,761.00	6,736.96	219.87	29.27	-68.51	-1,906.56	-7,256.97	1,631.01	1,427.52	203.49	8.015		
14,800.00	7,250.13	6,761.00	6,736.96	222.69	29.27	-68.51	-1,906.56	-7,256.97	1,579.75	1,368.61	211.13	7.482		
14,900.00	7,250.32	6,761.00	6,736.96	225.51	29.27	-68.51	-1,906.56	-7,256.97	1,533.29	1,314.57	218.72	7.010		
15,000.00	7,250.51	6,761.00	6,736.96	228.34	29.27	-68.51	-1,906.56	-7,256.97	1,492.10	1,265.98	226.12	6.599		
15,100.00	7,250.69	6,761.00	6,736.96	231.16	29.27	-68.51	-1,906.56	-7,256.97	1,456.63	1,223.45	233.18	6.247		
15,200.00	7,250.88	6,761.00	6,736.96	233.99	29.27	-68.51	-1,906.56	-7,256.97	1,427.29	1,187.58	239.71	5.954		
15,300.00	7,251.07	6,770.40	6,745.76	236.82	29.30	-68.90	-1,909.84	-7,257.25	1,404.39	1,158.24	246.15	5.705		
15,400.00	7,251.25	6,771.56	6,746.85	239.65	29.30	-68.95	-1,910.25	-7,257.29	1,388.40	1,137.18	251.22	5.527		
15,500.00	7,251.44	6,772.70	6,747.91	242.47	29.30	-69.00	-1,910.65	-7,257.32	1,379.48	1,124.20	255.28	5.404		
15,573.44	7,251.57	6,773.53	6,748.69	244.55	29.31	-69.03	-1,910.95	-7,257.34	1,377.52	1,119.96	257.57	5.348 CC		
15,600.00	7,251.62	6,773.82	6,748.96	245.30	29.31	-69.05	-1,911.05	-7,257.35	1,377.78	1,119.54	258.24	5.335 ES		
15,700.00	7,251.81	6,774.93	6,749.99	248.13	29.31	-69.09	-1,911.45	-7,257.38	1,383.32	1,123.29	260.03	5.320 SF		
15,800.00	7,252.00	6,776.01	6,751.00	250.97	29.32	-69.14	-1,911.84	-7,257.41	1,396.03	1,135.36	260.66	5.356		
15,900.00	7,252.18	6,777.08	6,752.00	253.80	29.32	-69.18	-1,912.23	-7,257.44	1,415.69	1,155.51	260.19	5.441		
16,000.00	7,252.37	6,778.13	6,752.98	256.63	29.32	-69.23	-1,912.61	-7,257.47	1,442.04	1,183.35	258.69	5.574		
16,100.00	7,252.56	6,779.16	6,753.94	259.46	29.32	-69.27	-1,912.98	-7,257.50	1,474.71	1,218.40	256.31	5.754		
16,200.00	7,252.74	6,780.18	6,754.89	262.30	29.33	-69.31	-1,913.35	-7,257.53	1,513.29	1,260.10	253.19	5.977		
16,300.00	7,252.93	6,781.18	6,755.82	265.13	29.33	-69.35	-1,913.72	-7,257.56	1,557.34	1,307.87	249.47	6.243		
16,400.00	7,253.11	6,782.17	6,756.74	267.96	29.33	-69.39	-1,914.08	-7,257.58	1,606.42	1,361.10	245.31	6.548		
16,500.00	7,253.30	6,783.14	6,757.64	270.80	29.34	-69.43	-1,914.44	-7,257.61	1,660.07	1,419.23	240.84	6.893		
16,600.00	7,253.49	6,793.00	6,766.78	273.64	29.37	-69.84	-1,918.12	-7,257.86	1,717.94	1,481.25	236.69	7.258		
16,700.00	7,253.67	6,793.00	6,766.78	276.47	29.37	-69.84	-1,918.12	-7,257.86	1,779.47	1,547.62	231.85	7.675		
16,800.00	7,253.86	6,793.00	6,766.78	279.31	29.37	-69.84	-1,918.12	-7,257.86	1,844.38	1,617.39	226.99	8.125		
16,900.00	7,254.05	6,793.00	6,766.78	282.15	29.37	-69.84	-1,918.12	-7,257.86	1,912.31	1,690.14	222.17	8.607		
17,000.00	7,254.23	6,793.00	6,766.78	284.98	29.37	-69.84	-1,918.12	-7,257.86	1,982.96	1,765.52	217.45	9.119		
17,100.00	7,254.42	6,793.00	6,766.78	287.82	29.37	-69.84	-1,918.12	-7,257.86	2,056.05	1,843.21	212.84	9.660		
17,200.00	7,254.61	6,793.00	6,766.78	290.66	29.37	-69.84	-1,918.12	-7,257.86	2,131.33	1,922.95	208.38	10.228		
17,300.00	7,254.79	6,793.00	6,766.78	293.50	29.37	-69.84	-1,918.12	-7,257.86	2,208.57	2,004.48	204.09	10.822		
17,400.00	7,254.98	6,793.00	6,766.78	296.34	29.37	-69.84	-1,918.12	-7,257.86	2,287.57	2,087.61	199.96	11.440		
17,500.00	7,255.16	6,793.00	6,766.78	299.18	29.37	-69.84	-1,918.12	-7,257.86	2,368.16	2,172.15	196.01	12.082		
17,600.00	7,255.35	6,793.00	6,766.78	302.02	29.37	-69.84	-1,918.12	-7,257.86	2,450.18	2,257.94	192.24	12.746		
17,700.00	7,255.54	6,793.00	6,766.78	304.86	29.37	-69.84	-1,918.12	-7,257.86	2,533.50	2,344.86	188.64	13.430		
17,800.00	7,255.72	6,793.00	6,766.78	307.70	29.37	-69.84	-1,918.12	-7,257.86	2,617.98	2,432.77	185.21	14.135		
17,900.00	7,255.91	6,793.00	6,766.78	310.54	29.37	-69.84	-1,918.12	-7,257.86	2,703.52	2,521.57	181.95	14.859		
18,000.00	7,256.10	6,793.00	6,766.78	313.39	29.37	-69.84	-1,918.12	-7,257.86	2,790.02	2,611.18	178.84	15.601		
18,100.00	7,256.28	6,793.00	6,766.78	316.23	29.37	-69.84	-1,918.12	-7,257.86	2,877.40	2,701.51	175.89	16.359		
18,200.00	7,256.47	6,793.00	6,766.78	319.07	29.37	-69.84	-1,918.12	-7,257.86	2,965.58	2,792.50	173.08	17.134		
18,300.00	7,256.65	6,793.00	6,766.78	321.91	29.37	-69.84	-1,918.12	-7,257.86	3,054.48	2,884.08	170.40	17.925		
18,400.00	7,256.84	6,793.00	6,766.78	324.76	29.37	-69.84	-1,918.12	-7,257.86	3,144.05	2,976.19	167.86	18.730		
18,500.00	7,257.03	6,793.00	6,766.78	327.60	29.37	-69.84	-1,918.12	-7,257.86	3,234.23	3,068.79	165.44	19.549		
18,600.00	7,257.21	6,793.00	6,766.78	330.44	29.37	-69.84	-1,918.12	-7,257.86	3,324.98	3,161.84	163.14	20.381		
18,700.00	7,257.40	6,793.00	6,766.78	333.29	29.37	-69.84	-1,918.12	-7,257.86	3,416.24	3,255.29	160.95	21.226		
18,800.00	7,257.59	6,793.00	6,766.78	336.13	29.37	-69.84	-1,918.12	-7,257.86	3,507.97	3,349.12	158.86	22.082		
18,900.00	7,257.77	6,803.01	6,776.02	338.98	29.40	-70.26	-1,921.96	-7,258.10	3,600.11	3,442.91	157.20	22.902		
19,000.00	7,257.96	6,803.73	6,776.69	341.82	29.40	-70.29	-1,922.25	-7,258.12	3,692.69	3,537.37	155.32	23.775		
19,022.43	7,258.00	6,803.89	6,776.84	342.46	29.40	-70.30	-1,922.31	-7,258.12	3,713.50	3,558.60	154.91	23.972		

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

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	233.49	233.41	3.28	3.36	-106.70	-2,123.69	-7,079.59	7,395.26					
100.00	100.00	319.22	319.09	3.28	3.46	-106.70	-2,123.12	-7,076.90	7,392.07	7,385.32	6.74	1,096.092		
200.00	200.00	368.65	368.51	3.34	3.53	-106.70	-2,123.01	-7,075.48	7,389.28	7,382.41	6.87	1,076.079		
300.00	300.00	422.00	421.84	3.44	3.62	-106.70	-2,121.96	-7,074.70	7,387.25	7,380.19	7.06	1,045.675		
345.54	345.54	422.00	421.84	3.51	3.62	137.31	-2,121.96	-7,074.70	7,386.85	7,379.72	7.13	1,036.301		
400.00	399.98	459.01	458.83	3.60	3.69	137.31	-2,121.03	-7,074.51	7,387.23	7,379.94	7.29	1,013.784		
500.00	499.84	513.00	512.82	3.79	3.81	137.29	-2,120.18	-7,074.47	7,390.51	7,382.92	7.59	973.296		
600.00	599.45	604.32	604.13	4.03	4.02	137.26	-2,119.56	-7,074.52	7,396.77	7,388.73	8.04	919.585		
700.00	698.70	769.60	769.40	4.30	4.48	137.26	-2,117.97	-7,073.49	7,404.74	7,395.96	8.77	844.113		
800.00	797.47	868.81	868.60	4.61	4.78	137.20	-2,116.67	-7,072.76	7,415.20	7,405.82	9.39	790.112		
900.00	895.62	941.18	940.97	4.96	5.02	137.10	-2,116.03	-7,072.25	7,428.39	7,418.43	9.96	746.001		
939.50	934.20	971.00	970.78	5.10	5.12	137.05	-2,115.74	-7,072.12	7,434.40	7,424.20	10.20	728.877		
1,000.00	993.20	1,000.00	1,050.34	5.33	5.22	137.15	-2,114.65	-7,071.69	7,443.75	7,433.23	10.52	707.652		
1,100.00	1,090.72	1,144.67	1,144.43	5.73	5.72	137.28	-2,112.98	-7,071.18	7,459.18	7,447.78	11.41	654.000		
1,200.00	1,188.24	1,201.61	1,201.36	6.15	5.93	137.35	-2,111.95	-7,071.12	7,475.05	7,463.04	12.01	622.586		
1,300.00	1,285.76	2,066.03	2,063.13	6.59	9.38	138.53	-2,075.37	-7,032.76	7,486.16	7,470.35	15.81	473.550		
1,400.00	1,383.28	2,107.00	2,103.80	7.04	9.56	138.59	-2,071.70	-7,029.50	7,492.76	7,476.35	16.41	456.587		
1,500.00	1,480.80	2,338.17	2,333.15	7.50	10.60	138.96	-2,051.73	-7,008.61	7,497.97	7,480.15	17.82	420.756		
1,600.00	1,578.31	2,393.00	2,387.57	7.96	10.85	139.04	-2,047.73	-7,003.34	7,503.59	7,485.09	18.50	405.559		
1,700.00	1,675.83	2,466.09	2,460.17	8.44	11.18	139.14	-2,042.58	-6,996.60	7,509.70	7,490.43	19.27	389.764		
1,800.00	1,773.35	2,627.32	2,620.24	8.92	11.92	139.38	-2,030.23	-6,981.81	7,515.81	7,495.40	20.42	368.138		
1,900.00	1,870.87	2,799.36	2,790.79	9.40	12.73	139.64	-2,015.84	-6,964.40	7,520.78	7,499.16	21.62	347.853		
2,000.00	1,968.39	2,899.33	2,889.91	9.89	13.20	139.78	-2,009.43	-6,953.10	7,525.20	7,502.68	22.52	334.153		
2,100.00	2,065.91	2,963.00	2,953.10	10.39	13.50	139.86	-2,005.65	-6,946.20	7,530.17	7,506.90	23.27	323.617		
2,200.00	2,163.43	2,963.00	2,953.10	10.88	13.50	139.86	-2,005.65	-6,946.20	7,535.95	7,512.20	23.75	317.333		
2,300.00	2,260.95	3,023.71	3,013.41	11.38	13.79	139.95	-2,001.98	-6,940.34	7,542.36	7,517.87	24.49	308.001		
2,400.00	2,358.46	3,233.24	3,221.61	11.89	14.78	140.24	-1,988.32	-6,921.11	7,549.33	7,523.46	25.88	291.750		
2,500.00	2,455.98	3,277.66	3,265.69	12.39	14.99	140.30	-1,985.14	-6,916.71	7,555.20	7,528.65	26.55	284.524		
2,600.00	2,553.50	3,311.24	3,299.05	12.89	15.15	140.35	-1,982.88	-6,913.66	7,561.95	7,534.77	27.18	278.172		
2,700.00	2,651.02	3,360.08	3,347.63	13.40	15.38	140.42	-1,979.80	-6,909.65	7,569.57	7,541.68	27.88	271.491		
2,800.00	2,748.54	3,542.71	3,529.21	13.91	16.24	140.67	-1,968.15	-6,893.95	7,576.95	7,547.78	29.17	259.774		
2,900.00	2,846.06	3,612.62	3,598.69	14.42	16.57	140.77	-1,963.42	-6,887.76	7,584.02	7,554.06	29.96	253.121		
3,000.00	2,943.58	4,026.83	4,009.37	14.93	18.59	141.34	-1,934.14	-6,842.92	7,589.01	7,556.74	32.26	235.228		
3,100.00	3,041.10	4,088.29	4,070.13	15.45	18.91	141.43	-1,928.83	-6,835.37	7,592.45	7,559.41	33.03	229.843		
3,200.00	3,138.61	4,132.45	4,113.80	15.96	19.13	141.50	-1,924.79	-6,830.25	7,596.50	7,562.77	33.73	225.224		
3,300.00	3,236.13	4,171.63	4,152.59	16.47	19.32	141.56	-1,921.23	-6,826.01	7,601.35	7,566.95	34.40	220.962		
3,400.00	3,333.65	4,197.00	4,177.73	16.99	19.45	141.60	-1,918.94	-6,823.43	7,607.05	7,572.04	35.01	217.281		
3,500.00	3,431.17	4,242.17	4,222.52	17.50	19.67	141.67	-1,914.97	-6,819.19	7,613.55	7,577.85	35.71	213.234		
3,600.00	3,528.69	4,292.00	4,272.01	18.02	19.92	141.74	-1,910.83	-6,815.06	7,621.01	7,584.59	36.42	209.255		
3,700.00	3,626.21	4,324.28	4,304.09	18.54	20.07	141.79	-1,908.20	-6,812.62	7,629.20	7,592.15	37.05	205.904		
3,800.00	3,723.73	4,388.05	4,367.47	19.06	20.37	141.89	-1,902.86	-6,808.06	7,637.97	7,600.14	37.83	201.918		
3,900.00	3,821.25	4,472.29	4,451.20	19.57	20.78	142.02	-1,895.70	-6,802.31	7,647.09	7,608.40	38.70	197.616		
4,000.00	3,918.77	4,614.69	4,592.70	20.09	21.46	142.24	-1,883.45	-6,791.94	7,655.70	7,615.86	39.84	192.176		
4,100.00	4,016.28	4,672.00	4,649.66	20.61	21.74	142.33	-1,878.53	-6,787.95	7,664.75	7,624.16	40.58	188.862		
4,200.00	4,113.80	4,767.00	4,744.10	21.13	22.19	142.47	-1,870.82	-6,781.21	7,673.85	7,632.35	41.50	184.893		
4,300.00	4,211.32	4,831.19	4,807.95	21.65	22.49	142.56	-1,865.99	-6,776.67	7,683.26	7,640.98	42.28	181.724		
4,400.00	4,308.84	4,897.47	4,873.93	22.17	22.81	142.66	-1,861.28	-6,772.54	7,693.43	7,650.36	43.06	178.654		
4,500.00	4,406.36	4,987.37	4,963.48	22.69	23.22	142.78	-1,855.85	-6,766.71	7,703.68	7,659.72	43.95	175.271		
4,600.00	4,503.88	5,053.00	5,028.92	23.21	23.53	142.86	-1,853.23	-6,762.50	7,714.39	7,669.66	44.73	172.480		
4,700.00	4,601.40	5,053.00	5,028.92	23.73	23.53	142.86	-1,853.23	-6,762.50	7,725.90	7,680.71	45.19	170.959		
4,800.00	4,698.92	5,096.61	5,072.44	24.26	23.72	142.91	-1,851.92	-6,760.15	7,738.18	7,692.33	45.85	168.759		
4,900.00	4,796.43	5,148.00	5,123.78	24.78	23.94	142.97	-1,850.36	-6,758.41	7,751.76	7,705.21	46.55	166.528		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,893.95	5,148.00	5,123.78	25.30	23.94	142.97	-1,850.36	-6,758.41	7,765.88	7,718.89	47.00	165.243		
5,100.00	4,991.47	5,199.65	5,175.40	25.82	24.16	143.03	-1,848.74	-6,757.31	7,781.01	7,733.33	47.69	163.170		
5,200.00	5,088.99	5,242.00	5,217.72	26.34	24.35	143.08	-1,847.37	-6,756.55	7,796.65	7,748.32	48.33	161.325		
5,300.00	5,186.51	5,242.00	5,217.72	26.87	24.35	143.08	-1,847.37	-6,756.55	7,813.36	7,764.60	48.76	160.250		
5,400.00	5,284.03	5,298.85	5,274.55	27.39	24.57	143.14	-1,846.27	-6,756.11	7,830.48	7,781.03	49.45	158.357		
5,500.00	5,381.55	5,337.00	5,312.70	27.91	24.72	143.18	-1,846.38	-6,756.37	7,848.86	7,798.81	50.05	156.829		
5,600.00	5,479.07	5,392.59	5,368.28	28.43	24.92	143.23	-1,847.01	-6,757.04	7,867.96	7,817.24	50.71	155.145		
5,700.00	5,576.58	5,522.16	5,497.84	28.96	25.40	143.35	-1,848.19	-6,758.24	7,886.92	7,835.20	51.72	152.487		
5,800.00	5,674.10	5,608.31	5,583.98	29.48	25.71	143.43	-1,848.86	-6,758.94	7,905.77	7,853.24	52.53	150.494		
5,900.00	5,771.62	5,681.36	5,657.03	30.00	25.99	143.50	-1,849.50	-6,759.68	7,924.86	7,871.58	53.28	148.736		
6,000.00	5,869.14	5,752.90	5,728.56	30.53	26.25	143.57	-1,850.26	-6,760.63	7,944.29	7,890.27	54.02	147.052		
6,100.00	5,966.66	5,828.47	5,804.12	31.05	26.53	143.64	-1,850.81	-6,761.92	7,964.05	7,909.26	54.79	145.369		
6,200.00	6,064.18	5,919.39	5,895.02	31.58	26.87	143.72	-1,851.56	-6,763.59	7,983.98	7,928.36	55.62	143.543		
6,300.00	6,161.70	6,009.33	5,984.93	32.10	27.21	143.80	-1,852.30	-6,765.32	8,004.00	7,947.54	56.45	141.783		
6,400.00	6,259.22	6,083.45	6,059.04	32.62	27.49	143.87	-1,852.82	-6,766.91	8,024.23	7,967.02	57.21	140.262		
6,500.00	6,356.74	6,247.26	6,222.82	33.15	28.11	144.02	-1,854.25	-6,769.59	8,043.89	7,985.49	58.40	137.732		
6,600.00	6,454.25	6,315.86	6,291.41	33.67	28.38	144.08	-1,854.59	-6,770.73	8,063.67	8,004.53	59.14	136.360		
6,623.48	6,477.15	6,328.68	6,304.23	33.80	28.43	144.10	-1,854.65	-6,770.97	8,068.37	8,009.07	59.29	136.081		
6,650.00	6,503.12	6,342.06	6,317.60	33.93	28.48	138.59	-1,854.80	-6,771.23	8,073.18	8,013.72	59.46	135.779		
6,700.00	6,552.50	6,352.00	6,327.54	34.16	28.52	119.80	-1,854.97	-6,771.43	8,079.46	8,019.78	59.69	135.365		
6,750.00	6,602.21	6,371.59	6,347.11	34.36	28.59	81.81	-1,855.56	-6,771.86	8,082.09	8,022.15	59.94	134.837		
6,800.00	6,651.92	6,384.00	6,359.51	34.54	28.64	42.87	-1,856.16	-6,772.18	8,081.09	8,020.96	60.13	134.394		
6,850.00	6,701.33	6,384.00	6,359.51	34.70	28.64	23.16	-1,856.16	-6,772.18	8,076.49	8,016.26	60.23	134.089		
6,900.00	6,750.14	6,401.40	6,376.87	34.86	28.70	13.55	-1,857.30	-6,772.70	8,068.25	8,007.85	60.40	133.580		
6,950.00	6,798.04	6,415.00	6,390.40	35.02	28.75	8.09	-1,858.46	-6,773.19	8,056.50	7,995.97	60.53	133.092		
7,000.00	6,844.75	6,415.00	6,390.40	35.19	28.75	4.56	-1,858.46	-6,773.19	8,041.24	7,980.66	60.58	132.729		
7,050.00	6,889.97	6,431.67	6,406.97	35.37	28.80	2.01	-1,860.16	-6,773.87	8,022.56	7,961.86	60.70	132.164		
7,100.00	6,933.42	6,600.51	6,572.82	35.57	29.36	-0.21	-1,890.59	-6,777.80	8,000.22	7,938.69	61.53	130.029		
7,150.00	6,974.83	6,628.16	6,599.46	35.79	29.44	-1.98	-1,897.98	-6,777.83	7,974.12	7,912.45	61.67	129.303		
7,200.00	7,013.96	6,659.55	6,629.42	36.02	29.54	-3.64	-1,907.35	-6,777.73	7,944.89	7,883.07	61.82	128.516		
7,250.00	7,050.56	6,690.81	6,659.00	36.28	29.63	-5.29	-1,917.45	-6,777.51	7,912.69	7,850.72	61.96	127.702		
7,300.00	7,084.39	6,710.08	6,677.07	36.57	29.68	-6.98	-1,924.15	-6,777.31	7,877.71	7,815.67	62.04	126.970		
7,350.00	7,115.27	6,722.76	6,688.84	36.89	29.72	-8.81	-1,928.84	-6,777.15	7,840.21	7,778.12	62.09	126.270		
7,400.00	7,142.99	6,732.00	6,697.37	37.25	29.75	-10.92	-1,932.42	-6,777.02	7,800.40	7,738.28	62.12	125.570		
7,450.00	7,167.38	6,732.00	6,697.37	37.65	29.75	-13.41	-1,932.42	-6,777.02	7,758.54	7,696.43	62.11	124.924		
7,500.00	7,188.30	6,747.79	6,711.79	38.08	29.79	-16.72	-1,938.83	-6,776.79	7,714.80	7,652.63	62.16	124.103		
7,550.00	7,205.61	6,753.08	6,716.59	38.55	29.80	-21.02	-1,941.07	-6,776.71	7,669.49	7,607.31	62.18	123.346		
7,600.00	7,219.20	6,764.00	6,726.41	39.06	29.83	-27.15	-1,945.83	-6,776.53	7,622.86	7,560.64	62.22	122.508		
7,650.00	7,229.00	6,764.00	6,726.41	39.61	29.83	-35.91	-1,945.83	-6,776.53	7,575.17	7,512.94	62.23	121.738		
7,700.00	7,234.95	6,764.00	6,726.41	40.18	29.83	-49.20	-1,945.83	-6,776.53	7,526.70	7,464.46	62.24	120.940		
7,750.07	7,237.00	6,764.00	6,726.41	40.78	29.83	-68.70	-1,945.83	-6,776.53	7,477.68	7,415.43	62.26	120.112		
7,800.00	7,237.09	6,764.00	6,726.41	41.41	29.83	-68.70	-1,945.83	-6,776.53	7,428.66	7,366.38	62.28	119.273		
7,900.00	7,237.28	6,764.00	6,726.41	42.79	29.83	-68.70	-1,945.83	-6,776.53	7,330.52	7,268.17	62.34	117.582		
8,000.00	7,237.47	6,764.00	6,726.41	44.31	29.83	-68.70	-1,945.83	-6,776.53	7,232.43	7,170.01	62.42	115.871		
8,100.00	7,237.65	6,764.00	6,726.41	45.97	29.83	-68.70	-1,945.83	-6,776.53	7,134.39	7,071.88	62.51	114.140		
8,200.00	7,237.84	6,764.00	6,726.41	47.75	29.83	-68.70	-1,945.83	-6,776.53	7,036.41	6,973.80	62.61	112.390		
8,300.00	7,238.02	6,764.00	6,726.41	49.63	29.83	-68.70	-1,945.83	-6,776.53	6,938.48	6,875.76	62.72	110.619		
8,400.00	7,238.21	6,764.00	6,726.41	51.61	29.83	-68.70	-1,945.83	-6,776.53	6,840.62	6,777.76	62.86	108.828		
8,500.00	7,238.40	6,764.00	6,726.41	53.66	29.83	-68.70	-1,945.83	-6,776.53	6,742.81	6,679.81	63.01	107.017		
8,600.00	7,238.58	6,764.00	6,726.41	55.79	29.83	-68.70	-1,945.83	-6,776.53	6,645.08	6,581.90	63.18	105.185		
8,700.00	7,238.77	6,764.00	6,726.41	57.99	29.83	-68.70	-1,945.83	-6,776.53	6,547.41	6,484.05	63.36	103.333		
8,800.00	7,238.96	6,764.00	6,726.41	60.24	29.83	-68.70	-1,945.83	-6,776.53	6,449.81	6,386.24	63.57	101.460		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	6,764.00	6,726.41	62.54	29.83	-68.70	-1,945.83	-6,776.53	6,352.29	6,288.49	63.80	99.566		
9,000.00	7,239.33	6,764.00	6,726.41	64.88	29.83	-68.70	-1,945.83	-6,776.53	6,254.85	6,190.79	64.05	97.652		
9,100.00	7,239.52	6,764.00	6,726.41	67.27	29.83	-68.70	-1,945.83	-6,776.53	6,157.48	6,093.15	64.33	95.718		
9,200.00	7,239.70	6,764.00	6,726.41	69.69	29.83	-68.70	-1,945.83	-6,776.53	6,060.21	5,995.58	64.63	93.765		
9,300.00	7,239.89	6,753.81	6,717.24	72.15	29.80	-68.29	-1,941.38	-6,776.69	5,962.99	5,898.11	64.89	91.897		
9,400.00	7,240.07	6,753.31	6,716.79	74.63	29.80	-68.27	-1,941.17	-6,776.70	5,865.90	5,800.66	65.24	89.912		
9,500.00	7,240.26	6,752.80	6,716.33	77.14	29.80	-68.25	-1,940.95	-6,776.71	5,768.90	5,703.28	65.62	87.909		
9,600.00	7,240.45	6,752.30	6,715.88	79.68	29.80	-68.23	-1,940.74	-6,776.72	5,672.01	5,605.97	66.04	85.889		
9,700.00	7,240.63	6,751.81	6,715.43	82.23	29.80	-68.21	-1,940.53	-6,776.73	5,575.23	5,508.74	66.49	83.854		
9,800.00	7,240.82	6,751.31	6,714.98	84.81	29.80	-68.19	-1,940.32	-6,776.73	5,478.56	5,411.59	66.97	81.804		
9,900.00	7,241.01	6,750.82	6,714.54	87.40	29.80	-68.17	-1,940.11	-6,776.74	5,382.02	5,314.52	67.49	79.740		
10,000.00	7,241.19	6,750.33	6,714.09	90.01	29.80	-68.15	-1,939.90	-6,776.75	5,285.60	5,217.55	68.06	77.664		
10,100.00	7,241.38	6,749.84	6,713.65	92.64	29.79	-68.13	-1,939.69	-6,776.76	5,189.32	5,120.66	68.66	75.577		
10,200.00	7,241.56	6,749.35	6,713.21	95.28	29.79	-68.11	-1,939.49	-6,776.76	5,093.18	5,023.87	69.31	73.482		
10,300.00	7,241.75	6,748.87	6,712.77	97.93	29.79	-68.09	-1,939.29	-6,776.77	4,997.20	4,927.19	70.01	71.379		
10,400.00	7,241.94	6,748.39	6,712.33	100.59	29.79	-68.07	-1,939.08	-6,776.78	4,901.37	4,830.62	70.76	69.271		
10,500.00	7,242.12	6,747.90	6,711.89	103.26	29.79	-68.05	-1,938.88	-6,776.79	4,805.72	4,734.16	71.56	67.159		
10,600.00	7,242.31	6,747.43	6,711.46	105.95	29.79	-68.04	-1,938.68	-6,776.79	4,710.24	4,637.83	72.41	65.047		
10,700.00	7,242.50	6,746.95	6,711.03	108.64	29.79	-68.02	-1,938.48	-6,776.80	4,614.96	4,541.63	73.33	62.936		
10,800.00	7,242.68	6,746.47	6,710.59	111.34	29.78	-68.00	-1,938.28	-6,776.81	4,519.88	4,445.57	74.31	60.828		
10,900.00	7,242.87	6,746.00	6,710.16	114.05	29.78	-67.98	-1,938.09	-6,776.81	4,425.01	4,349.66	75.35	58.726		
11,000.00	7,243.05	6,745.53	6,709.74	116.76	29.78	-67.96	-1,937.89	-6,776.82	4,330.38	4,253.92	76.46	56.633		
11,100.00	7,243.24	6,745.06	6,709.31	119.49	29.78	-67.94	-1,937.70	-6,776.83	4,235.99	4,158.34	77.65	54.551		
11,200.00	7,243.43	6,744.59	6,708.88	122.22	29.78	-67.92	-1,937.50	-6,776.84	4,141.87	4,062.95	78.92	52.483		
11,300.00	7,243.61	6,744.13	6,708.46	124.95	29.78	-67.90	-1,937.31	-6,776.84	4,048.03	3,967.76	80.27	50.432		
11,400.00	7,243.80	6,743.66	6,708.04	127.69	29.78	-67.88	-1,937.12	-6,776.85	3,954.49	3,872.78	81.70	48.400		
11,500.00	7,243.99	6,743.20	6,707.62	130.44	29.78	-67.86	-1,936.93	-6,776.86	3,861.27	3,778.04	83.24	46.389		
11,600.00	7,244.17	6,742.74	6,707.20	133.19	29.77	-67.85	-1,936.74	-6,776.86	3,768.40	3,683.54	84.87	44.404		
11,700.00	7,244.36	6,742.29	6,706.78	135.94	29.77	-67.83	-1,936.55	-6,776.87	3,675.91	3,589.31	86.60	42.446		
11,800.00	7,244.55	6,732.00	6,697.37	138.70	29.75	-67.41	-1,932.42	-6,777.02	3,583.86	3,495.60	88.27	40.603		
11,900.00	7,244.73	6,732.00	6,697.37	141.47	29.75	-67.41	-1,932.42	-6,777.02	3,492.20	3,401.97	90.23	38.702		
12,000.00	7,244.92	6,732.00	6,697.37	144.24	29.75	-67.41	-1,932.42	-6,777.02	3,401.01	3,308.68	92.33	36.836		
12,100.00	7,245.10	6,732.00	6,697.37	147.01	29.75	-67.41	-1,932.42	-6,777.02	3,310.33	3,215.77	94.56	35.008		
12,200.00	7,245.29	6,732.00	6,697.37	149.78	29.75	-67.41	-1,932.42	-6,777.02	3,220.20	3,123.27	96.93	33.221		
12,300.00	7,245.48	6,732.00	6,697.37	152.56	29.75	-67.41	-1,932.42	-6,777.02	3,130.68	3,031.21	99.46	31.476		
12,400.00	7,245.66	6,732.00	6,697.37	155.34	29.75	-67.41	-1,932.42	-6,777.02	3,041.80	2,939.65	102.15	29.777		
12,500.00	7,245.85	6,732.00	6,697.37	158.12	29.75	-67.41	-1,932.42	-6,777.02	2,953.63	2,848.62	105.02	28.125		
12,600.00	7,246.04	6,732.00	6,697.37	160.91	29.75	-67.41	-1,932.42	-6,777.02	2,866.25	2,758.18	108.07	26.523		
12,700.00	7,246.22	6,732.00	6,697.37	163.70	29.75	-67.41	-1,932.42	-6,777.02	2,779.71	2,668.39	111.32	24.971		
12,800.00	7,246.41	6,732.00	6,697.37	166.49	29.75	-67.41	-1,932.42	-6,777.02	2,694.10	2,579.33	114.77	23.473		
12,900.00	7,246.59	6,732.00	6,697.37	169.28	29.75	-67.41	-1,932.42	-6,777.02	2,609.52	2,491.07	118.45	22.030		
13,000.00	7,246.78	6,732.00	6,697.37	172.08	29.75	-67.41	-1,932.42	-6,777.02	2,526.07	2,403.69	122.37	20.643		
13,100.00	7,246.97	6,732.00	6,697.37	174.88	29.75	-67.41	-1,932.42	-6,777.02	2,443.85	2,317.32	126.54	19.313		
13,200.00	7,247.15	6,732.00	6,697.37	177.68	29.75	-67.41	-1,932.42	-6,777.02	2,363.01	2,232.05	130.97	18.043		
13,300.00	7,247.34	6,732.00	6,697.37	180.48	29.75	-67.41	-1,932.42	-6,777.02	2,283.69	2,148.02	135.67	16.833		
13,400.00	7,247.53	6,732.00	6,697.37	183.28	29.75	-67.41	-1,932.42	-6,777.02	2,206.05	2,065.39	140.66	15.683		
13,500.00	7,247.71	6,732.00	6,697.37	186.09	29.75	-67.41	-1,932.42	-6,777.02	2,130.27	1,984.33	145.94	14.596		
13,600.00	7,247.90	6,732.00	6,697.37	188.90	29.75	-67.41	-1,932.42	-6,777.02	2,056.57	1,905.04	151.53	13.572		
13,700.00	7,248.08	6,732.00	6,697.37	191.70	29.75	-67.41	-1,932.42	-6,777.02	1,985.17	1,827.76	157.41	12.611		
13,800.00	7,248.27	6,732.00	6,697.37	194.52	29.75	-67.41	-1,932.42	-6,777.02	1,916.33	1,752.74	163.59	11.714		
13,900.00	7,248.46	6,732.00	6,697.37	197.33	29.75	-67.41	-1,932.42	-6,777.02	1,850.33	1,680.29	170.04	10.882		
14,000.00	7,248.64	6,732.00	6,697.37	200.14	29.75	-67.41	-1,932.42	-6,777.02	1,787.49	1,610.74	176.75	10.113		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	6,732.00	6,697.37	202.95	29.75	-67.41	-1,932.42	-6,777.02	1,728.16	1,544.50	183.67	9.409		
14,200.00	7,249.02	6,732.00	6,697.37	205.77	29.75	-67.41	-1,932.42	-6,777.02	1,672.71	1,481.97	190.74	8.770		
14,300.00	7,249.20	6,732.00	6,697.37	208.59	29.75	-67.41	-1,932.42	-6,777.02	1,621.53	1,423.64	197.89	8.194		
14,400.00	7,249.39	6,732.00	6,697.37	211.41	29.75	-67.41	-1,932.42	-6,777.02	1,575.05	1,370.02	205.02	7.682		
14,500.00	7,249.58	6,732.00	6,697.37	214.23	29.75	-67.41	-1,932.42	-6,777.02	1,533.69	1,321.66	212.02	7.234		
14,600.00	7,249.76	6,732.00	6,697.37	217.05	29.75	-67.41	-1,932.42	-6,777.02	1,497.87	1,279.12	218.75	6.847		
14,700.00	7,249.95	6,732.00	6,697.37	219.87	29.75	-67.41	-1,932.42	-6,777.02	1,468.00	1,242.95	225.05	6.523		
14,800.00	7,250.13	6,732.00	6,697.37	222.69	29.75	-67.41	-1,932.42	-6,777.02	1,444.45	1,213.67	230.78	6.259		
14,900.00	7,250.32	6,732.00	6,697.37	225.51	29.75	-67.41	-1,932.42	-6,777.02	1,427.53	1,191.75	235.77	6.055		
15,000.00	7,250.51	6,732.00	6,697.37	228.34	29.75	-67.41	-1,932.42	-6,777.02	1,417.48	1,177.57	239.91	5.908		
15,092.94	7,250.68	6,732.00	6,697.37	230.96	29.75	-67.41	-1,932.42	-6,777.02	1,414.43	1,171.54	242.89	5.823 CC		
15,100.00	7,250.69	6,732.00	6,697.37	231.16	29.75	-67.41	-1,932.42	-6,777.02	1,414.45	1,171.36	243.09	5.819 ES		
15,200.00	7,250.88	6,732.00	6,697.37	233.99	29.75	-67.41	-1,932.42	-6,777.02	1,418.48	1,173.24	245.23	5.784 SF		
15,300.00	7,251.07	6,732.00	6,697.37	236.82	29.75	-67.41	-1,932.42	-6,777.02	1,429.51	1,183.17	246.34	5.803		
15,400.00	7,251.25	6,732.00	6,697.37	239.65	29.75	-67.41	-1,932.42	-6,777.02	1,447.38	1,200.94	246.43	5.873		
15,500.00	7,251.44	6,732.00	6,697.37	242.47	29.75	-67.41	-1,932.42	-6,777.02	1,471.84	1,226.26	245.58	5.993		
15,600.00	7,251.62	6,732.00	6,697.37	245.30	29.75	-67.41	-1,932.42	-6,777.02	1,502.57	1,258.69	243.89	6.161		
15,700.00	7,251.81	6,732.00	6,697.37	248.13	29.75	-67.41	-1,932.42	-6,777.02	1,539.20	1,297.73	241.47	6.374		
15,800.00	7,252.00	6,732.00	6,697.37	250.97	29.75	-67.41	-1,932.42	-6,777.02	1,581.31	1,342.85	238.46	6.631		
15,900.00	7,252.18	6,732.00	6,697.37	253.80	29.75	-67.41	-1,932.42	-6,777.02	1,628.48	1,393.50	234.98	6.930		
16,000.00	7,252.37	6,732.00	6,697.37	256.63	29.75	-67.41	-1,932.42	-6,777.02	1,680.29	1,449.13	231.16	7.269		
16,100.00	7,252.56	6,732.00	6,697.37	259.46	29.75	-67.41	-1,932.42	-6,777.02	1,736.31	1,509.22	227.10	7.646		
16,200.00	7,252.74	6,732.00	6,697.37	262.30	29.75	-67.41	-1,932.42	-6,777.02	1,796.16	1,573.27	222.89	8.058		
16,300.00	7,252.93	6,732.00	6,697.37	265.13	29.75	-67.41	-1,932.42	-6,777.02	1,859.46	1,640.84	218.62	8.505		
16,400.00	7,253.11	6,732.00	6,697.37	267.96	29.75	-67.41	-1,932.42	-6,777.02	1,925.88	1,711.54	214.34	8.985		
16,500.00	7,253.30	6,732.00	6,697.37	270.80	29.75	-67.41	-1,932.42	-6,777.02	1,995.10	1,784.99	210.11	9.496		
16,600.00	7,253.49	6,721.68	6,687.85	273.64	29.72	-66.99	-1,928.44	-6,777.16	2,066.75	1,861.28	205.47	10.059		
16,700.00	7,253.67	6,721.31	6,687.51	276.47	29.72	-66.98	-1,928.30	-6,777.17	2,140.76	1,939.34	201.42	10.628		
16,800.00	7,253.86	6,720.95	6,687.17	279.31	29.72	-66.96	-1,928.16	-6,777.17	2,216.81	2,019.31	197.50	11.225		
16,900.00	7,254.05	6,720.58	6,686.83	282.15	29.71	-66.95	-1,928.02	-6,777.18	2,294.69	2,100.98	193.71	11.846		
17,000.00	7,254.23	6,720.22	6,686.50	284.98	29.71	-66.93	-1,927.89	-6,777.18	2,374.24	2,184.16	190.07	12.491		
17,100.00	7,254.42	6,719.86	6,686.16	287.82	29.71	-66.92	-1,927.75	-6,777.19	2,455.28	2,268.69	186.58	13.159		
17,200.00	7,254.61	6,719.51	6,685.83	290.66	29.71	-66.90	-1,927.62	-6,777.19	2,537.67	2,354.42	183.25	13.848		
17,300.00	7,254.79	6,719.15	6,685.51	293.50	29.71	-66.89	-1,927.48	-6,777.20	2,621.29	2,441.23	180.05	14.558		
17,400.00	7,254.98	6,718.80	6,685.18	296.34	29.71	-66.88	-1,927.35	-6,777.20	2,706.01	2,529.00	177.01	15.287		
17,500.00	7,255.16	6,718.45	6,684.85	299.18	29.71	-66.86	-1,927.22	-6,777.20	2,791.75	2,617.65	174.11	16.035		
17,600.00	7,255.35	6,718.11	6,684.53	302.02	29.71	-66.85	-1,927.09	-6,777.21	2,878.41	2,707.08	171.34	16.800		
17,700.00	7,255.54	6,717.76	6,684.21	304.86	29.71	-66.83	-1,926.96	-6,777.21	2,965.91	2,797.21	168.70	17.581		
17,800.00	7,255.72	6,717.42	6,683.90	307.70	29.71	-66.82	-1,926.84	-6,777.22	3,054.18	2,887.99	166.19	18.378		
17,900.00	7,255.91	6,717.08	6,683.58	310.54	29.70	-66.81	-1,926.71	-6,777.22	3,143.15	2,979.35	163.79	19.190		
18,000.00	7,256.10	6,716.74	6,683.27	313.39	29.70	-66.79	-1,926.59	-6,777.23	3,232.76	3,071.25	161.51	20.015		
18,100.00	7,256.28	6,716.40	6,682.95	316.23	29.70	-66.78	-1,926.46	-6,777.23	3,322.97	3,163.63	159.34	20.855		
18,200.00	7,256.47	6,716.07	6,682.64	319.07	29.70	-66.77	-1,926.34	-6,777.23	3,413.72	3,256.46	157.27	21.707		
18,300.00	7,256.65	6,715.74	6,682.34	321.91	29.70	-66.75	-1,926.21	-6,777.24	3,504.98	3,349.69	155.29	22.570		
18,400.00	7,256.84	6,715.41	6,682.03	324.76	29.70	-66.74	-1,926.09	-6,777.24	3,596.70	3,443.29	153.41	23.446		
18,500.00	7,257.03	6,715.08	6,681.73	327.60	29.70	-66.73	-1,925.97	-6,777.25	3,688.85	3,537.24	151.61	24.332		
18,600.00	7,257.21	6,714.76	6,681.42	330.44	29.70	-66.71	-1,925.85	-6,777.25	3,781.40	3,631.51	149.89	25.228		
18,700.00	7,257.40	6,714.44	6,681.12	333.29	29.70	-66.70	-1,925.73	-6,777.25	3,874.32	3,726.07	148.25	26.134		
18,800.00	7,257.59	6,714.12	6,680.83	336.13	29.70	-66.69	-1,925.62	-6,777.26	3,967.58	3,820.90	146.68	27.049		
18,900.00	7,257.77	6,713.80	6,680.53	338.98	29.70	-66.67	-1,925.50	-6,777.26	4,061.17	3,915.99	145.18	27.973		
19,000.00	7,257.96	6,713.48	6,680.24	341.82	29.69	-66.66	-1,925.38	-6,777.27	4,155.05	4,011.30	143.74	28.906		
19,022.43	7,258.00	6,713.41	6,680.17	342.46	29.69	-66.66	-1,925.36	-6,777.27	4,176.14	4,032.71	143.43	29.116		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.68	-2,137.83	-5,663.12	6,053.20					
100.00	100.00	85.00	85.00	3.28	3.29	-110.68	-2,137.83	-5,663.12	6,053.20	6,046.63	6.57	921.339		
200.00	200.00	185.00	185.00	3.34	3.31	-110.68	-2,137.83	-5,663.12	6,053.20	6,046.56	6.64	911.343		
300.00	300.00	285.00	285.00	3.44	3.34	-110.68	-2,137.83	-5,663.12	6,053.20	6,046.41	6.78	892.277		
400.00	399.98	384.98	384.98	3.60	3.39	133.31	-2,137.83	-5,663.12	6,054.40	6,047.41	6.98	866.780		
500.00	499.84	484.84	484.84	3.79	3.45	133.30	-2,137.83	-5,663.12	6,057.99	6,050.75	7.24	836.662		
600.00	599.45	584.45	584.45	4.03	3.52	133.27	-2,137.83	-5,663.12	6,063.98	6,056.43	7.55	803.099		
700.00	698.70	683.70	683.70	4.30	3.61	133.23	-2,137.83	-5,663.12	6,072.36	6,064.45	7.91	767.734		
800.00	797.47	782.47	782.47	4.61	3.70	133.18	-2,137.83	-5,663.12	6,083.14	6,074.83	8.31	731.837		
900.00	895.62	880.62	880.62	4.96	3.81	133.11	-2,137.83	-5,663.12	6,096.32	6,087.56	8.76	696.317		
939.50	934.20	919.20	919.20	5.10	3.85	133.09	-2,137.83	-5,663.12	6,102.18	6,093.24	8.94	682.428		
1,000.00	993.20	978.20	978.20	5.33	3.92	133.18	-2,137.83	-5,663.12	6,111.46	6,102.23	9.23	661.881		
1,100.00	1,090.72	1,075.72	1,075.72	5.73	4.04	133.32	-2,137.83	-5,663.12	6,126.83	6,117.09	9.74	629.196		
1,200.00	1,188.24	1,173.24	1,173.24	6.15	4.17	133.47	-2,137.83	-5,663.12	6,142.24	6,131.98	10.27	598.274		
1,300.00	1,285.76	1,270.76	1,270.76	6.59	4.30	133.62	-2,137.83	-5,663.12	6,157.69	6,146.88	10.82	569.279		
1,400.00	1,383.28	1,272.53	1,272.52	7.04	4.41	133.63	-2,137.33	-5,663.89	6,174.49	6,163.15	11.34	544.424		
1,500.00	1,480.80	1,300.00	1,299.98	7.50	4.49	133.68	-2,136.88	-5,664.59	6,192.01	6,180.16	11.85	522.533		
1,600.00	1,578.31	1,355.44	1,355.36	7.96	4.66	133.78	-2,135.55	-5,666.67	6,210.38	6,197.92	12.45	498.698		
1,700.00	1,675.83	1,400.00	1,399.84	8.44	4.80	133.87	-2,134.05	-5,668.99	6,229.69	6,216.66	13.03	478.059		
1,800.00	1,773.35	1,437.02	1,436.75	8.92	4.92	133.94	-2,132.53	-5,671.36	6,249.92	6,236.33	13.59	459.814		
1,900.00	1,870.87	1,500.00	1,499.45	9.40	5.13	134.08	-2,129.34	-5,676.32	6,271.17	6,256.92	14.25	440.121		
2,000.00	1,968.39	1,500.00	1,499.45	9.89	5.13	134.08	-2,129.34	-5,676.32	6,293.18	6,278.50	14.69	428.518		
2,100.00	2,065.91	1,556.66	1,555.74	10.39	5.33	134.21	-2,125.84	-5,681.77	6,316.10	6,300.77	15.33	411.993		
2,200.00	2,163.43	1,623.27	1,621.79	10.88	5.58	134.37	-2,121.16	-5,689.06	6,339.88	6,323.86	16.02	395.688		
2,300.00	2,260.95	1,717.07	1,714.78	11.38	5.94	134.59	-2,114.52	-5,699.39	6,363.86	6,347.03	16.83	378.064		
2,400.00	2,358.46	1,810.87	1,807.77	11.89	6.32	134.82	-2,107.88	-5,709.72	6,387.94	6,370.28	17.66	361.719		
2,500.00	2,455.98	1,904.67	1,900.77	12.39	6.72	135.04	-2,101.24	-5,720.06	6,412.12	6,393.62	18.50	346.604		
2,600.00	2,553.50	2,001.52	1,993.76	12.89	7.13	135.26	-2,094.60	-5,730.39	6,436.39	6,417.02	19.36	332.403		
2,700.00	2,651.02	2,107.72	2,086.75	13.40	7.60	135.48	-2,087.96	-5,740.72	6,460.75	6,440.48	20.28	318.646		
2,800.00	2,748.54	2,186.08	2,179.74	13.91	7.95	135.69	-2,081.32	-5,751.06	6,485.21	6,464.14	21.08	307.682		
2,900.00	2,846.06	2,279.88	2,272.74	14.42	8.38	135.91	-2,074.68	-5,761.39	6,509.77	6,487.81	21.95	296.554		
3,000.00	2,943.58	2,373.68	2,365.73	14.93	8.81	136.12	-2,068.04	-5,771.72	6,534.41	6,511.58	22.83	286.213		
3,100.00	3,041.10	2,467.48	2,458.72	15.45	9.25	136.33	-2,061.41	-5,782.05	6,559.15	6,535.43	23.71	276.590		
3,200.00	3,138.61	2,561.28	2,551.72	15.96	9.70	136.55	-2,054.77	-5,792.39	6,583.97	6,559.37	24.60	267.618		
3,300.00	3,236.13	2,655.08	2,644.71	16.47	10.14	136.76	-2,048.13	-5,802.72	6,608.88	6,583.39	25.49	259.241		
3,400.00	3,333.65	2,748.88	2,737.70	16.99	10.59	136.96	-2,041.49	-5,813.05	6,633.88	6,607.50	26.39	251.406		
3,500.00	3,431.17	2,842.68	2,830.69	17.50	11.04	137.17	-2,034.85	-5,823.39	6,658.97	6,631.69	27.28	244.065		
3,600.00	3,528.69	2,936.48	2,923.69	18.02	11.50	137.37	-2,028.21	-5,833.72	6,684.14	6,655.96	28.18	237.177		
3,700.00	3,626.21	3,030.28	3,016.68	18.54	11.95	137.58	-2,021.57	-5,844.05	6,709.40	6,680.32	29.08	230.702		
3,800.00	3,723.73	3,124.08	3,109.67	19.06	12.41	137.78	-2,014.93	-5,854.39	6,734.74	6,704.76	29.98	224.608		
3,900.00	3,821.25	3,217.88	3,202.66	19.57	12.87	137.98	-2,008.29	-5,864.72	6,760.16	6,729.28	30.89	218.863		
4,000.00	3,918.77	3,311.68	3,295.66	20.09	13.33	138.18	-2,001.65	-5,875.05	6,785.67	6,753.88	31.79	213.439		
4,100.00	4,016.28	3,405.48	3,388.65	20.61	13.80	138.38	-1,995.01	-5,885.39	6,811.26	6,778.56	32.70	208.312		
4,200.00	4,113.80	3,499.28	3,481.64	21.13	14.26	138.57	-1,988.37	-5,895.72	6,836.92	6,803.32	33.60	203.459		
4,300.00	4,211.32	3,593.08	3,574.64	21.65	14.73	138.77	-1,981.73	-5,906.05	6,862.67	6,828.16	34.51	198.858		
4,400.00	4,308.84	3,686.88	3,667.63	22.17	15.20	138.96	-1,975.09	-5,916.39	6,888.49	6,853.07	35.42	194.493		
4,500.00	4,406.36	3,780.68	3,760.62	22.69	15.66	139.15	-1,968.45	-5,926.72	6,914.39	6,878.07	36.33	190.345		
4,600.00	4,503.88	3,874.48	3,853.61	23.21	16.13	139.35	-1,961.81	-5,937.05	6,940.37	6,903.14	37.23	186.400		
4,700.00	4,601.40	3,968.28	3,946.61	23.73	16.60	139.54	-1,955.17	-5,947.39	6,966.42	6,928.28	38.14	182.643		
4,800.00	4,698.92	4,062.08	4,039.60	24.26	17.07	139.72	-1,948.54	-5,957.72	6,992.55	6,953.50	39.05	179.062		
4,900.00	4,796.43	4,155.88	4,132.59	24.78	17.54	139.91	-1,941.90	-5,968.05	7,018.75	6,978.79	39.96	175.644		
5,000.00	4,893.95	4,249.68	4,225.58	25.30	18.01	140.10	-1,935.26	-5,978.38	7,045.03	7,004.16	40.87	172.381		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,343.48	4,318.58	25.82	18.49	140.28	-1,928.62	-5,988.72	7,071.37	7,029.60	41.78	169.260		
5,200.00	5,088.99	4,437.28	4,411.57	26.34	18.96	140.46	-1,921.98	-5,999.05	7,097.79	7,055.11	42.69	166.274		
5,300.00	5,186.51	4,531.08	4,504.56	26.87	19.43	140.65	-1,915.34	-6,009.38	7,124.28	7,080.69	43.60	163.415		
5,400.00	5,284.03	4,624.88	4,597.56	27.39	19.90	140.83	-1,908.70	-6,019.72	7,150.84	7,106.34	44.51	160.674		
5,500.00	5,381.55	4,718.69	4,690.55	27.91	20.38	141.00	-1,902.06	-6,030.05	7,177.47	7,132.06	45.41	158.044		
5,600.00	5,479.07	4,812.49	4,783.54	28.43	20.85	141.18	-1,895.42	-6,040.38	7,204.17	7,157.84	46.32	155.519		
5,700.00	5,576.58	4,906.29	4,876.53	28.96	21.33	141.36	-1,888.78	-6,050.72	7,230.93	7,183.70	47.23	153.094		
5,800.00	5,674.10	5,000.09	4,969.53	29.48	21.80	141.53	-1,882.14	-6,061.05	7,257.76	7,209.62	48.14	150.762		
5,900.00	5,771.62	5,089.61	5,058.62	30.00	22.27	142.65	-1,875.72	-6,069.06	7,275.40	7,222.91	52.49	138.607		
6,000.00	5,869.14	5,181.13	5,150.14	30.53	22.75	142.76	-1,869.06	-6,077.40	7,293.17	7,239.80	53.37	136.664		
6,100.00	5,966.66	5,273.65	5,242.66	31.05	23.23	142.86	-1,862.40	-6,085.74	7,310.96	7,256.72	54.24	134.783		
6,200.00	6,064.18	5,366.17	5,335.18	31.58	23.71	142.97	-1,855.74	-6,094.06	7,328.78	7,273.66	55.12	132.961		
6,300.00	6,161.70	5,458.69	5,427.70	32.10	24.19	143.07	-1,849.08	-6,102.38	7,346.63	7,290.63	56.00	131.197		
6,400.00	6,259.22	5,551.21	5,520.22	32.62	24.67	143.17	-1,842.42	-6,110.70	7,364.49	7,307.62	56.87	129.486		
6,500.00	6,356.74	5,643.73	5,612.74	33.15	25.15	143.27	-1,835.76	-6,119.02	7,382.38	7,324.63	57.75	127.827		
6,600.00	6,454.25	5,736.25	5,705.25	33.67	25.63	143.37	-1,829.10	-6,127.34	7,400.29	7,341.66	58.63	126.218		
6,623.48	6,477.15	5,759.15	5,728.15	33.80	25.76	143.40	-1,826.44	-6,124.68	7,404.50	7,345.67	58.84	125.847		
6,650.00	6,503.12	5,785.12	5,754.12	33.93	25.89	137.86	-1,819.78	-6,133.00	7,408.93	7,350.07	58.86	125.864		
6,700.00	6,552.50	5,834.50	5,803.50	34.16	26.12	119.06	-1,806.12	-6,140.34	7,414.35	7,355.19	59.16	125.319		
6,750.00	6,602.21	5,884.21	5,853.21	34.36	26.32	81.05	-1,792.46	-6,147.68	7,416.16	7,356.82	59.34	124.973		
6,800.00	6,651.92	5,933.92	5,902.92	34.54	26.50	42.10	-1,778.80	-6,155.02	7,414.25	7,354.62	59.62	124.353		
6,850.00	6,701.33	6,000.00	6,000.00	34.70	26.66	22.36	-1,765.14	-6,162.36	7,408.72	7,348.90	59.82	123.849		
6,900.00	6,750.14	6,050.00	6,050.00	34.86	26.82	12.71	-1,751.48	-6,169.70	7,399.59	7,339.59	60.00	123.328		
6,950.00	6,798.04	6,100.00	6,100.00	35.02	26.98	7.19	-1,737.82	-6,177.04	7,386.91	7,326.70	60.21	122.691		
7,000.00	6,844.75	6,150.00	6,150.00	35.19	27.14	3.62	-1,724.16	-6,184.38	7,370.69	7,310.41	60.28	122.273		
7,050.00	6,889.97	6,200.00	6,200.00	35.37	27.30	1.03	-1,710.50	-6,191.72	7,351.17	7,290.83	60.34	121.832		
7,100.00	6,933.42	6,250.00	6,250.00	35.57	27.46	-1.09	-1,696.84	-6,199.06	7,328.16	7,267.63	60.53	121.071		
7,150.00	6,974.83	6,300.00	6,300.00	35.79	27.62	-2.87	-1,683.18	-6,206.40	7,302.06	7,241.44	60.62	120.458		
7,200.00	7,013.96	6,350.00	6,350.00	36.02	27.78	-4.53	-1,669.52	-6,213.74	7,272.93	7,212.24	60.70	119.822		
7,250.00	7,050.56	6,400.00	6,400.00	36.28	27.94	-6.23	-1,655.86	-6,221.08	7,240.99	7,180.15	60.83	119.028		
7,300.00	7,084.39	6,450.00	6,450.00	36.57	28.13	-7.90	-1,642.20	-6,228.42	7,206.22	7,145.37	60.84	118.439		
7,350.00	7,115.27	6,500.00	6,500.00	36.89	28.35	-9.72	-1,628.54	-6,235.76	7,168.99	7,108.15	60.85	117.820		
7,400.00	7,142.99	6,550.00	6,550.00	37.25	28.61	-11.83	-1,614.88	-6,243.10	7,129.50	7,068.65	60.85	117.171		
7,450.00	7,167.38	6,600.00	6,600.00	37.65	28.87	-14.36	-1,601.22	-6,250.44	7,087.95	7,027.11	60.84	116.493		
7,500.00	7,188.30	6,650.00	6,650.00	38.08	29.13	-17.87	-1,587.56	-6,257.78	7,044.38	6,983.42	60.96	115.565		
7,550.00	7,205.61	6,700.00	6,700.00	38.55	29.40	-22.24	-1,573.90	-6,265.12	6,999.31	6,938.33	60.98	114.781		
7,600.00	7,219.20	6,750.00	6,750.00	39.06	29.66	-28.25	-1,560.24	-6,272.46	6,952.90	6,891.90	61.00	113.977		
7,650.00	7,229.00	6,800.00	6,800.00	39.61	29.92	-36.88	-1,546.58	-6,279.80	6,905.42	6,844.39	61.03	113.153		
7,700.00	7,234.95	6,850.00	6,850.00	40.18	30.18	-49.59	-1,532.92	-6,287.14	6,857.13	6,796.08	61.05	112.311		
7,750.00	7,237.00	6,900.00	6,900.00	40.78	30.44	-67.70	-1,519.26	-6,294.48	6,808.28	6,747.19	61.09	111.453		
7,800.00	7,237.09	6,950.00	6,950.00	41.41	30.70	-67.70	-1,505.60	-6,301.82	6,759.40	6,698.28	61.12	110.588		
7,900.00	7,237.28	7,000.00	7,000.00	42.79	31.06	-67.70	-1,491.94	-6,309.16	6,661.57	6,600.37	61.20	108.845		
8,000.00	7,237.47	7,050.00	7,050.00	44.31	31.42	-67.70	-1,478.28	-6,316.50	6,563.80	6,502.50	61.30	107.081		
8,100.00	7,237.65	7,100.00	7,100.00	45.97	31.78	-67.70	-1,464.62	-6,323.84	6,466.10	6,404.69	61.41	105.297		
8,200.00	7,237.84	7,150.00	7,150.00	47.75	32.14	-67.70	-1,450.96	-6,331.18	6,368.47	6,306.94	61.54	103.491		
8,300.00	7,238.02	7,200.00	7,200.00	49.63	32.50	-67.70	-1,437.30	-6,338.52	6,270.92	6,209.24	61.68	101.663		
8,400.00	7,238.21	7,250.00	7,250.00	51.61	32.86	-67.70	-1,423.64	-6,345.86	6,173.45	6,111.60	61.85	99.814		
8,500.00	7,238.40	7,300.00	7,300.00	53.66	33.22	-67.70	-1,410.00	-6,353.20	6,076.05	6,014.02	62.04	97.943		
8,600.00	7,238.58	7,350.00	7,350.00	55.79	33.58	-67.70	-1,396.34	-6,360.54	5,978.75	5,916.50	62.25	96.051		
8,700.00	7,238.77	7,400.00	7,400.00	57.99	33.94	-67.70	-1,382.68	-6,367.88	5,881.53	5,819.05	62.48	94.136		
8,800.00	7,238.96	7,450.00	7,450.00	60.24	34.30	-67.71	-1,369.02	-6,375.22	5,784.41	5,721.67	62.74	92.200		
8,900.00	7,239.14	7,500.00	7,500.00	62.54	34.66	-67.71	-1,355.36	-6,382.56	5,687.39	5,624.36	63.02	90.242		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	6,747.75	6,707.35	64.88	28.76	-67.71	-1,914.64	-6,099.05	5,590.47	5,527.13	63.34	88.264		
9,100.00	7,239.52	6,747.75	6,707.35	67.27	28.76	-67.71	-1,914.64	-6,099.05	5,493.66	5,429.98	63.68	86.265		
9,200.00	7,239.70	6,747.76	6,707.36	69.69	28.76	-67.71	-1,914.64	-6,099.05	5,396.97	5,332.91	64.06	84.246		
9,300.00	7,239.89	6,747.76	6,707.36	72.15	28.76	-67.71	-1,914.64	-6,099.05	5,300.40	5,235.93	64.48	82.209		
9,400.00	7,240.07	6,747.77	6,707.37	74.63	28.76	-67.71	-1,914.65	-6,099.05	5,203.97	5,139.04	64.93	80.153		
9,500.00	7,240.26	6,747.78	6,707.38	77.14	28.76	-67.71	-1,914.65	-6,099.05	5,107.67	5,042.25	65.42	78.080		
9,600.00	7,240.45	6,747.78	6,707.38	79.68	28.76	-67.71	-1,914.65	-6,099.05	5,011.51	4,945.56	65.95	75.992		
9,700.00	7,240.63	6,747.79	6,707.39	82.23	28.76	-67.71	-1,914.65	-6,099.05	4,915.51	4,848.98	66.52	73.891		
9,800.00	7,240.82	6,747.79	6,707.39	84.81	28.76	-67.71	-1,914.66	-6,099.05	4,819.67	4,752.52	67.15	71.776		
9,900.00	7,241.01	6,747.80	6,707.40	87.40	28.76	-67.71	-1,914.66	-6,099.05	4,724.00	4,656.18	67.82	69.652		
10,000.00	7,241.19	6,747.81	6,707.40	90.01	28.76	-67.71	-1,914.66	-6,099.05	4,628.52	4,559.97	68.55	67.519		
10,100.00	7,241.38	6,747.81	6,707.41	92.64	28.76	-67.71	-1,914.66	-6,099.05	4,533.23	4,463.89	69.34	65.379		
10,200.00	7,241.56	6,747.82	6,707.41	95.28	28.76	-67.71	-1,914.66	-6,099.05	4,438.15	4,367.96	70.18	63.237		
10,300.00	7,241.75	6,747.82	6,707.42	97.93	28.76	-67.71	-1,914.67	-6,099.05	4,343.29	4,272.19	71.09	61.093		
10,400.00	7,241.94	6,747.83	6,707.43	100.59	28.76	-67.71	-1,914.67	-6,099.05	4,248.66	4,176.59	72.07	58.950		
10,500.00	7,242.12	6,747.84	6,707.43	103.26	28.76	-67.71	-1,914.67	-6,099.05	4,154.29	4,081.16	73.12	56.812		
10,600.00	7,242.31	6,747.84	6,707.44	105.95	28.76	-67.71	-1,914.67	-6,099.05	4,060.18	3,985.93	74.25	54.682		
10,700.00	7,242.50	6,747.85	6,707.44	108.64	28.76	-67.71	-1,914.68	-6,099.05	3,966.37	3,890.91	75.46	52.562		
10,800.00	7,242.68	6,747.85	6,707.45	111.34	28.76	-67.71	-1,914.68	-6,099.05	3,872.86	3,796.10	76.76	50.456		
10,900.00	7,242.87	6,747.86	6,707.45	114.05	28.76	-67.71	-1,914.68	-6,099.05	3,779.69	3,701.54	78.15	48.367		
11,000.00	7,243.05	6,747.86	6,707.46	116.76	28.76	-67.71	-1,914.68	-6,099.05	3,686.87	3,607.24	79.63	46.298		
11,100.00	7,243.24	6,747.87	6,707.46	119.49	28.76	-67.71	-1,914.68	-6,099.05	3,594.44	3,513.22	81.23	44.252		
11,200.00	7,243.43	6,747.88	6,707.47	122.22	28.76	-67.71	-1,914.69	-6,099.05	3,502.43	3,419.50	82.93	42.234		
11,300.00	7,243.61	6,747.88	6,707.47	124.95	28.76	-67.71	-1,914.69	-6,099.05	3,410.86	3,326.11	84.75	40.245		
11,400.00	7,243.80	6,747.89	6,707.48	127.69	28.76	-67.71	-1,914.69	-6,099.05	3,319.78	3,233.08	86.70	38.290		
11,500.00	7,243.99	6,747.89	6,707.49	130.44	28.76	-67.71	-1,914.69	-6,099.05	3,229.23	3,140.45	88.78	36.372		
11,600.00	7,244.17	6,747.90	6,707.49	133.19	28.76	-67.71	-1,914.70	-6,099.05	3,139.26	3,048.25	91.01	34.494		
11,700.00	7,244.36	6,747.91	6,707.50	135.94	28.76	-67.71	-1,914.70	-6,099.05	3,049.91	2,956.52	93.39	32.658		
11,800.00	7,244.55	6,747.91	6,707.50	138.70	28.76	-67.71	-1,914.70	-6,099.05	2,961.23	2,865.30	95.93	30.869		
11,900.00	7,244.73	6,747.92	6,707.51	141.47	28.76	-67.71	-1,914.70	-6,099.05	2,873.31	2,774.66	98.65	29.127		
12,000.00	7,244.92	6,747.92	6,707.51	144.24	28.76	-67.71	-1,914.71	-6,099.05	2,786.19	2,684.65	101.55	27.438		
12,100.00	7,245.10	6,747.93	6,707.52	147.01	28.76	-67.71	-1,914.71	-6,099.05	2,699.97	2,595.33	104.64	25.801		
12,200.00	7,245.29	6,747.94	6,707.52	149.78	28.76	-67.71	-1,914.71	-6,099.05	2,614.74	2,506.79	107.95	24.221		
12,300.00	7,245.48	6,747.94	6,707.53	152.56	28.76	-67.71	-1,914.71	-6,099.05	2,530.58	2,419.10	111.48	22.700		
12,400.00	7,245.66	6,747.95	6,707.53	155.34	28.76	-67.71	-1,914.71	-6,099.05	2,447.61	2,332.37	115.25	21.238		
12,500.00	7,245.85	6,747.95	6,707.54	158.12	28.76	-67.71	-1,914.72	-6,099.05	2,365.97	2,246.71	119.26	19.839		
12,600.00	7,246.04	6,747.96	6,707.55	160.91	28.76	-67.71	-1,914.72	-6,099.05	2,285.78	2,162.25	123.53	18.504		
12,700.00	7,246.22	6,747.96	6,707.55	163.70	28.76	-67.71	-1,914.72	-6,099.05	2,207.21	2,079.13	128.07	17.234		
12,800.00	7,246.41	6,747.97	6,707.56	166.49	28.76	-67.71	-1,914.72	-6,099.05	2,130.44	1,997.54	132.90	16.030		
12,900.00	7,246.59	6,747.98	6,707.56	169.28	28.76	-67.72	-1,914.73	-6,099.05	2,055.66	1,917.65	138.01	14.895		
13,000.00	7,246.78	6,747.98	6,707.57	172.08	28.76	-67.72	-1,914.73	-6,099.05	1,983.11	1,839.70	143.41	13.828		
13,100.00	7,246.97	6,747.99	6,707.57	174.88	28.76	-67.72	-1,914.73	-6,099.05	1,913.04	1,763.93	149.10	12.830		
13,200.00	7,247.15	6,747.99	6,707.58	177.68	28.76	-67.72	-1,914.73	-6,099.05	1,845.72	1,690.66	155.06	11.903		
13,300.00	7,247.34	6,748.00	6,707.58	180.48	28.76	-67.72	-1,914.73	-6,099.05	1,781.48	1,620.20	161.28	11.046		
13,400.00	7,247.53	6,748.01	6,707.59	183.28	28.76	-67.72	-1,914.74	-6,099.05	1,720.66	1,552.95	167.71	10.260		
13,500.00	7,247.71	6,748.01	6,707.59	186.09	28.76	-67.72	-1,914.74	-6,099.05	1,663.63	1,489.31	174.31	9.544		
13,600.00	7,247.90	6,748.02	6,707.60	188.90	28.76	-67.72	-1,914.74	-6,099.05	1,610.79	1,429.77	181.01	8.899		
13,700.00	7,248.08	6,748.02	6,707.61	191.70	28.76	-67.72	-1,914.74	-6,099.05	1,562.57	1,374.84	187.72	8.324		
13,800.00	7,248.27	6,748.03	6,707.61	194.52	28.76	-67.72	-1,914.75	-6,099.05	1,519.41	1,325.07	194.34	7.818		
13,900.00	7,248.46	6,748.03	6,707.62	197.33	28.76	-67.72	-1,914.75	-6,099.05	1,481.75	1,281.03	200.72	7.382		
14,000.00	7,248.64	6,748.04	6,707.62	200.14	28.76	-67.72	-1,914.75	-6,099.05	1,450.03	1,243.29	206.73	7.014		
14,100.00	7,248.83	6,748.05	6,707.63	202.95	28.76	-67.72	-1,914.75	-6,099.05	1,424.63	1,212.40	212.22	6.713		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	6,748.05	6,707.63	205.77	28.76	-67.72	-1,914.75	-6,099.05	1,405.90	1,188.85	217.04	6.477		
14,300.00	7,249.20	6,748.06	6,707.64	208.59	28.76	-67.72	-1,914.76	-6,099.05	1,394.10	1,173.04	221.06	6.306		
14,400.00	7,249.39	6,748.06	6,707.64	211.41	28.76	-67.72	-1,914.76	-6,099.05	1,389.43	1,165.25	224.18	6.198		
14,415.08	7,249.42	6,748.06	6,707.64	211.83	28.76	-67.72	-1,914.76	-6,099.05	1,389.35	1,164.78	224.56	6.187 CC, ES		
14,500.00	7,249.58	6,748.07	6,707.65	214.23	28.76	-67.72	-1,914.76	-6,099.05	1,391.94	1,165.62	226.32	6.150 SF		
14,600.00	7,249.76	6,748.08	6,707.65	217.05	28.76	-67.72	-1,914.76	-6,099.05	1,401.60	1,174.13	227.47	6.162		
14,700.00	7,249.95	6,748.08	6,707.66	219.87	28.76	-67.72	-1,914.76	-6,099.05	1,418.26	1,190.61	227.66	6.230		
14,800.00	7,250.13	6,748.09	6,707.66	222.69	28.76	-67.72	-1,914.77	-6,099.05	1,441.68	1,214.75	226.94	6.353		
14,900.00	7,250.32	6,748.09	6,707.67	225.51	28.76	-67.72	-1,914.77	-6,099.05	1,471.54	1,246.13	225.41	6.528		
15,000.00	7,250.51	6,748.10	6,707.68	228.34	28.76	-67.72	-1,914.77	-6,099.05	1,507.46	1,284.26	223.20	6.754		
15,100.00	7,250.69	6,748.10	6,707.68	231.16	28.76	-67.72	-1,914.77	-6,099.05	1,549.00	1,328.58	220.42	7.028		
15,200.00	7,250.88	6,748.11	6,707.69	233.99	28.76	-67.72	-1,914.78	-6,099.05	1,595.74	1,378.54	217.20	7.347		
15,300.00	7,251.07	6,748.12	6,707.69	236.82	28.76	-67.72	-1,914.78	-6,099.05	1,647.23	1,433.57	213.66	7.710		
15,400.00	7,251.25	6,748.12	6,707.70	239.65	28.76	-67.72	-1,914.78	-6,099.05	1,703.04	1,493.15	209.90	8.114		
15,500.00	7,251.44	6,748.13	6,707.70	242.47	28.76	-67.72	-1,914.78	-6,099.05	1,762.77	1,556.76	206.01	8.557		
15,600.00	7,251.62	6,748.13	6,707.71	245.30	28.76	-67.72	-1,914.78	-6,099.05	1,826.01	1,623.96	202.06	9.037		
15,700.00	7,251.81	6,748.14	6,707.71	248.13	28.76	-67.72	-1,914.79	-6,099.05	1,892.44	1,694.33	198.11	9.552		
15,800.00	7,252.00	6,748.15	6,707.72	250.97	28.76	-67.72	-1,914.79	-6,099.05	1,961.71	1,767.50	194.21	10.101		
15,900.00	7,252.18	6,748.15	6,707.72	253.80	28.76	-67.72	-1,914.79	-6,099.05	2,033.54	1,843.15	190.39	10.681		
16,000.00	7,252.37	6,748.16	6,707.73	256.63	28.76	-67.72	-1,914.79	-6,099.05	2,107.67	1,921.00	186.67	11.291		
16,100.00	7,252.56	6,748.16	6,707.73	259.46	28.76	-67.72	-1,914.80	-6,099.05	2,183.86	2,000.79	183.08	11.929		
16,200.00	7,252.74	6,748.17	6,707.74	262.30	28.76	-67.72	-1,914.80	-6,099.05	2,261.91	2,082.30	179.61	12.593		
16,300.00	7,252.93	6,748.17	6,707.74	265.13	28.76	-67.72	-1,914.80	-6,099.05	2,341.63	2,165.34	176.29	13.283		
16,400.00	7,253.11	6,748.18	6,707.75	267.96	28.76	-67.72	-1,914.80	-6,099.05	2,422.85	2,249.74	173.11	13.996		
16,500.00	7,253.30	6,748.19	6,707.76	270.80	28.76	-67.72	-1,914.80	-6,099.05	2,505.43	2,335.36	170.07	14.732		
16,600.00	7,253.49	6,748.19	6,707.76	273.64	28.76	-67.72	-1,914.81	-6,099.05	2,589.24	2,422.07	167.17	15.488		
16,700.00	7,253.67	6,748.20	6,707.77	276.47	28.76	-67.72	-1,914.81	-6,099.05	2,674.17	2,509.76	164.41	16.265		
16,800.00	7,253.86	6,748.20	6,707.77	279.31	28.76	-67.72	-1,914.81	-6,099.05	2,760.10	2,598.32	161.78	17.061		
16,900.00	7,254.05	6,748.21	6,707.78	282.15	28.76	-67.72	-1,914.81	-6,099.05	2,846.95	2,687.68	159.27	17.874		
17,000.00	7,254.23	6,748.21	6,707.78	284.98	28.76	-67.72	-1,914.82	-6,099.05	2,934.64	2,777.75	156.89	18.705		
17,100.00	7,254.42	6,748.22	6,707.79	287.82	28.76	-67.73	-1,914.82	-6,099.05	3,023.09	2,868.47	154.62	19.551		
17,200.00	7,254.61	6,748.23	6,707.79	290.66	28.76	-67.73	-1,914.82	-6,099.05	3,112.25	2,959.78	152.47	20.413		
17,300.00	7,254.79	6,748.23	6,707.80	293.50	28.76	-67.73	-1,914.82	-6,099.05	3,202.04	3,051.63	150.41	21.289		
17,400.00	7,254.98	6,748.24	6,707.80	296.34	28.76	-67.73	-1,914.82	-6,099.05	3,292.42	3,143.97	148.46	22.178		
17,500.00	7,255.16	6,748.24	6,707.81	299.18	28.76	-67.73	-1,914.83	-6,099.05	3,383.35	3,236.75	146.59	23.080		
17,600.00	7,255.35	6,748.25	6,707.81	302.02	28.76	-67.73	-1,914.83	-6,099.05	3,474.77	3,329.95	144.82	23.994		
17,700.00	7,255.54	6,748.26	6,707.82	304.86	28.76	-67.73	-1,914.83	-6,099.05	3,566.65	3,423.52	143.13	24.919		
17,800.00	7,255.72	6,748.26	6,707.82	307.70	28.76	-67.73	-1,914.83	-6,099.05	3,658.96	3,517.44	141.52	25.855		
17,900.00	7,255.91	6,748.27	6,707.83	310.54	28.76	-67.73	-1,914.84	-6,099.05	3,751.66	3,611.68	139.98	26.801		
18,000.00	7,256.10	6,748.27	6,707.84	313.39	28.76	-67.73	-1,914.84	-6,099.05	3,844.73	3,706.22	138.52	27.757		
18,100.00	7,256.28	6,748.28	6,707.84	316.23	28.76	-67.73	-1,914.84	-6,099.05	3,938.14	3,801.03	137.11	28.722		
18,200.00	7,256.47	6,748.28	6,707.85	319.07	28.76	-67.73	-1,914.84	-6,099.05	4,031.86	3,896.09	135.78	29.695		
18,300.00	7,256.65	6,748.29	6,707.85	321.91	28.76	-67.73	-1,914.84	-6,099.05	4,125.88	3,991.39	134.50	30.676		
18,400.00	7,256.84	6,748.30	6,707.86	324.76	28.76	-67.73	-1,914.85	-6,099.05	4,220.18	4,086.90	133.28	31.665		
18,500.00	7,257.03	6,748.30	6,707.86	327.60	28.76	-67.73	-1,914.85	-6,099.05	4,314.73	4,182.62	132.11	32.661		
18,600.00	7,257.21	6,748.31	6,707.87	330.44	28.76	-67.73	-1,914.85	-6,099.05	4,409.52	4,278.53	130.99	33.664		
18,700.00	7,257.40	6,748.31	6,707.87	333.29	28.76	-67.73	-1,914.85	-6,099.05	4,504.54	4,374.62	129.91	34.673		
18,800.00	7,257.59	6,748.32	6,707.88	336.13	28.76	-67.73	-1,914.85	-6,099.05	4,599.77	4,470.88	128.89	35.688		
18,900.00	7,257.77	6,748.32	6,707.88	338.98	28.76	-67.73	-1,914.86	-6,099.05	4,695.19	4,567.29	127.90	36.709		
19,000.00	7,257.96	6,748.33	6,707.89	341.82	28.76	-67.73	-1,914.86	-6,099.05	4,790.80	4,663.85	126.96	37.735		
19,022.43	7,258.00	6,748.33	6,707.89	342.46	28.76	-67.73	-1,914.86	-6,099.05	4,812.27	4,685.52	126.75	37.966		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.58	-2,137.82	-5,693.71	6,081.83					
100.00	100.00	85.00	85.00	3.28	3.29	-110.58	-2,137.82	-5,693.71	6,081.83	6,075.26	6.57	925.697		
200.00	200.00	185.00	185.00	3.34	3.31	-110.58	-2,137.82	-5,693.71	6,081.83	6,075.19	6.64	915.654		
300.00	300.00	285.00	285.00	3.44	3.34	-110.58	-2,137.82	-5,693.71	6,081.83	6,075.05	6.78	896.498		
400.00	399.98	384.98	384.98	3.60	3.39	133.41	-2,137.82	-5,693.71	6,083.03	6,076.04	6.98	870.880		
500.00	499.84	484.84	484.84	3.79	3.45	133.40	-2,137.82	-5,693.71	6,086.63	6,079.39	7.24	840.619		
600.00	599.45	584.45	584.45	4.03	3.52	133.37	-2,137.82	-5,693.71	6,092.63	6,085.08	7.55	806.895		
700.00	698.70	683.70	683.70	4.30	3.61	133.33	-2,137.82	-5,693.71	6,101.03	6,093.12	7.91	771.361		
800.00	797.47	782.47	782.47	4.61	3.70	133.28	-2,137.82	-5,693.71	6,111.83	6,103.51	8.31	735.292		
900.00	895.62	830.85	830.84	4.96	3.78	133.14	-2,137.76	-5,693.87	6,125.36	6,116.62	8.73	701.365		
939.50	934.20	845.55	845.55	5.10	3.82	133.07	-2,137.69	-5,694.05	6,131.62	6,122.71	8.91	688.259		
1,000.00	993.20	867.97	867.96	5.33	3.87	133.11	-2,137.54	-5,694.47	6,141.80	6,132.62	9.18	668.959		
1,100.00	1,090.72	900.00	899.98	5.73	3.94	133.17	-2,137.20	-5,695.34	6,159.43	6,149.79	9.64	639.162		
1,200.00	1,188.24	941.44	941.38	6.15	4.05	133.24	-2,136.58	-5,696.97	6,178.04	6,167.90	10.13	609.596		
1,300.00	1,285.76	1,000.00	999.84	6.59	4.20	133.35	-2,135.34	-5,700.23	6,197.75	6,187.06	10.70	579.472		
1,400.00	1,383.28	1,000.00	999.84	7.04	4.20	133.35	-2,135.34	-5,700.23	6,218.28	6,207.17	11.11	559.649		
1,500.00	1,480.80	1,049.69	1,049.37	7.50	4.34	133.45	-2,133.95	-5,703.87	6,239.82	6,228.15	11.67	534.489		
1,600.00	1,578.31	1,100.00	1,099.45	7.96	4.49	133.55	-2,132.24	-5,708.38	6,262.43	6,250.18	12.25	511.177		
1,700.00	1,675.83	1,100.00	1,099.45	8.44	4.49	133.55	-2,132.24	-5,708.38	6,286.01	6,273.33	12.68	495.775		
1,800.00	1,773.35	1,155.38	1,154.47	8.92	4.67	133.67	-2,129.99	-5,714.29	6,310.42	6,297.14	13.29	474.918		
1,900.00	1,870.87	1,200.00	1,198.70	9.40	4.82	133.78	-2,127.90	-5,719.77	6,335.92	6,322.05	13.87	456.881		
2,000.00	1,968.39	1,224.32	1,222.77	9.89	4.91	133.83	-2,126.66	-5,723.03	6,362.34	6,347.95	14.38	442.363		
2,100.00	2,065.91	1,285.72	1,283.44	10.39	5.13	133.98	-2,123.32	-5,731.80	6,389.64	6,374.60	15.04	424.968		
2,200.00	2,163.43	1,378.68	1,375.30	10.88	5.50	134.20	-2,118.23	-5,745.17	6,417.16	6,401.34	15.82	405.587		
2,300.00	2,260.95	1,471.65	1,467.16	11.38	5.89	134.42	-2,113.14	-5,758.54	6,444.77	6,428.14	16.63	387.572		
2,400.00	2,358.46	1,564.61	1,559.02	11.89	6.29	134.63	-2,108.05	-5,771.91	6,472.48	6,455.03	17.45	370.915		
2,500.00	2,455.98	1,657.57	1,650.87	12.39	6.71	134.85	-2,102.96	-5,785.28	6,500.27	6,481.99	18.28	355.516		
2,600.00	2,553.50	1,750.54	1,742.73	12.89	7.14	135.06	-2,097.87	-5,798.65	6,528.16	6,509.03	19.13	341.278		
2,700.00	2,651.02	1,843.50	1,834.59	13.40	7.57	135.27	-2,092.78	-5,812.02	6,556.13	6,536.15	19.98	328.104		
2,800.00	2,748.54	1,936.47	1,926.44	13.91	8.02	135.49	-2,087.69	-5,825.39	6,584.19	6,563.35	20.84	315.902		
2,900.00	2,846.06	2,029.43	2,018.30	14.42	8.47	135.69	-2,082.60	-5,838.76	6,612.34	6,590.63	21.71	304.584		
3,000.00	2,943.58	2,122.40	2,110.16	14.93	8.93	135.90	-2,077.51	-5,852.13	6,640.58	6,617.99	22.58	294.072		
3,100.00	3,041.10	2,215.36	2,202.02	15.45	9.39	136.11	-2,072.42	-5,865.50	6,668.89	6,645.43	23.46	284.290		
3,200.00	3,138.61	2,308.32	2,293.87	15.96	9.86	136.31	-2,067.33	-5,878.87	6,697.29	6,672.95	24.34	275.175		
3,300.00	3,236.13	2,401.29	2,385.73	16.47	10.33	136.51	-2,062.24	-5,892.24	6,725.77	6,700.55	25.22	266.664		
3,400.00	3,333.65	2,505.75	2,477.59	16.99	10.86	136.71	-2,057.15	-5,905.61	6,754.34	6,728.18	26.16	258.189		
3,500.00	3,431.17	2,587.22	2,569.44	17.50	11.28	136.91	-2,052.06	-5,918.98	6,782.98	6,755.98	27.00	251.252		
3,600.00	3,528.69	2,680.18	2,661.30	18.02	11.76	137.11	-2,046.97	-5,932.35	6,811.70	6,783.81	27.89	244.258		
3,700.00	3,626.21	2,773.15	2,753.16	18.54	12.24	137.30	-2,041.88	-5,945.71	6,840.50	6,811.72	28.78	237.686		
3,800.00	3,723.73	2,866.11	2,845.02	19.06	12.73	137.50	-2,036.79	-5,959.08	6,869.38	6,839.70	29.67	231.500		
3,900.00	3,821.25	2,959.08	2,936.87	19.57	13.21	137.69	-2,031.70	-5,972.45	6,898.33	6,867.76	30.57	225.670		
4,000.00	3,918.77	3,052.04	3,028.73	20.09	13.70	137.88	-2,026.61	-5,985.82	6,927.36	6,895.89	31.46	220.166		
4,100.00	4,016.28	3,145.00	3,120.59	20.61	14.18	138.07	-2,021.52	-5,999.19	6,956.46	6,924.10	32.36	214.964		
4,200.00	4,113.80	3,237.97	3,212.44	21.13	14.67	138.26	-2,016.43	-6,012.56	6,985.63	6,952.37	33.26	210.039		
4,300.00	4,211.32	3,330.93	3,304.30	21.65	15.16	138.44	-2,011.34	-6,025.93	7,014.88	6,980.72	34.16	205.372		
4,400.00	4,308.84	3,423.90	3,396.16	22.17	15.65	138.63	-2,006.25	-6,039.30	7,044.20	7,009.14	35.06	200.944		
4,500.00	4,406.36	3,516.86	3,488.02	22.69	16.15	138.81	-2,001.16	-6,052.67	7,073.59	7,037.63	35.95	196.736		
4,600.00	4,503.88	3,609.83	3,579.87	23.21	16.64	138.99	-1,996.07	-6,066.04	7,103.04	7,066.19	36.85	192.734		
4,700.00	4,601.40	3,702.79	3,671.73	23.73	17.13	139.18	-1,990.98	-6,079.41	7,132.57	7,094.82	37.75	188.923		
4,800.00	4,698.92	3,804.24	3,763.59	24.26	17.67	139.35	-1,985.89	-6,092.78	7,162.16	7,123.47	38.69	185.099		
4,900.00	4,796.43	3,888.72	3,855.44	24.78	18.12	139.53	-1,980.80	-6,106.15	7,191.83	7,152.27	39.55	181.824		
5,000.00	4,893.95	3,981.68	3,947.30	25.30	18.62	139.71	-1,975.71	-6,119.52	7,221.55	7,181.10	40.45	178.513		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,074.65	4,039.16	25.82	19.11	139.88	-1,970.63	-6,132.89	7,251.35	7,209.99	41.35	175.347		
5,200.00	5,088.99	4,167.61	4,131.02	26.34	19.61	140.06	-1,965.54	-6,146.26	7,281.20	7,238.95	42.25	172.318		
5,300.00	5,186.51	4,260.58	4,222.87	26.87	20.10	140.23	-1,960.45	-6,159.63	7,311.12	7,267.97	43.15	169.417		
5,400.00	5,284.03	4,353.54	4,314.73	27.39	20.60	140.40	-1,955.36	-6,173.00	7,341.11	7,297.05	44.05	166.637		
5,500.00	5,381.55	4,446.51	4,406.59	27.91	21.10	140.57	-1,950.27	-6,186.37	7,371.15	7,326.20	44.95	163.969		
5,600.00	5,479.07	4,539.47	4,498.44	28.43	21.60	140.74	-1,945.18	-6,199.74	7,401.26	7,355.41	45.85	161.408		
5,700.00	5,576.58	4,632.44	4,590.30	28.96	22.10	140.91	-1,940.09	-6,213.10	7,431.43	7,384.68	46.75	158.947		
5,800.00	5,674.10	4,725.40	4,682.16	29.48	22.59	141.07	-1,935.00	-6,226.47	7,461.66	7,414.01	47.65	156.580		
5,900.00	5,771.62	4,818.36	4,774.02	30.00	23.09	141.24	-1,929.91	-6,239.84	7,491.95	7,443.39	48.55	154.303		
6,000.00	5,869.14	4,911.33	4,865.87	30.53	23.59	141.40	-1,924.82	-6,253.21	7,522.29	7,472.84	49.45	152.111		
6,100.00	5,966.66	5,004.29	4,957.73	31.05	24.09	141.56	-1,919.73	-6,266.58	7,552.70	7,502.35	50.35	149.999		
6,200.00	6,064.18	5,102.74	5,049.59	31.58	24.62	141.72	-1,914.64	-6,279.95	7,583.16	7,531.88	51.28	147.887		
6,300.00	6,161.70	5,209.78	5,141.44	32.10	25.20	141.88	-1,909.55	-6,293.32	7,613.68	7,561.43	52.24	145.739		
6,400.00	6,259.22	5,283.19	5,233.30	32.62	25.59	142.04	-1,904.46	-6,306.69	7,644.25	7,591.20	53.05	144.101		
6,500.00	6,356.74	5,376.15	5,325.16	33.15	26.09	142.20	-1,899.37	-6,320.06	7,674.88	7,620.93	53.95	142.269		
6,600.00	6,454.25	5,469.12	5,417.02	33.67	26.59	142.35	-1,894.28	-6,333.43	7,705.56	7,650.72	54.84	140.499		
6,623.48	6,477.15	5,509.06	5,438.58	33.80	26.81	142.39	-1,893.08	-6,336.57	7,712.77	7,657.63	55.14	139.874		
6,650.00	6,503.12	5,515.78	5,463.12	33.93	26.84	136.98	-1,891.72	-6,340.14	7,720.41	7,665.11	55.29	139.631		
6,700.00	6,552.50	5,563.45	5,510.23	34.16	27.10	118.36	-1,889.11	-6,347.00	7,731.95	7,676.22	55.73	138.737		
6,750.00	6,602.21	5,612.00	5,558.20	34.36	27.36	80.52	-1,886.45	-6,353.98	7,739.73	7,683.57	56.16	137.824		
6,800.00	6,651.92	5,660.00	5,604.78	34.54	31.86	42.57	-1,889.18	-6,429.67	7,739.09	7,677.72	61.37	126.112		
6,850.00	6,701.33	5,709.00	5,654.78	34.70	31.86	22.83	-1,889.18	-6,429.67	7,733.35	7,671.85	61.50	125.744		
6,900.00	6,750.14	5,758.22	5,703.81	34.86	31.99	13.19	-1,883.15	-6,429.67	7,723.79	7,662.01	61.78	125.029		
6,950.00	6,798.04	5,806.35	5,751.78	35.02	32.04	7.69	-1,885.54	-6,429.67	7,710.75	7,648.81	61.94	124.482		
7,000.00	6,844.75	5,854.00	5,800.00	35.19	32.16	4.08	-1,872.05	-6,429.67	7,694.28	7,632.11	62.17	123.755		
7,050.00	6,889.97	5,900.00	5,846.00	35.37	32.16	1.51	-1,872.05	-6,429.67	7,674.25	7,612.01	62.24	123.294		
7,100.00	6,933.42	5,946.00	5,892.00	35.57	32.16	-0.53	-1,872.05	-6,429.67	7,651.01	7,588.71	62.30	122.811		
7,150.00	6,974.83	5,992.00	5,938.00	35.79	32.23	-2.32	-1,877.91	-6,429.67	7,624.53	7,562.10	62.44	122.115		
7,200.00	7,013.96	6,038.00	5,984.00	36.02	32.27	-3.95	-1,881.36	-6,429.67	7,595.05	7,532.53	62.52	121.480		
7,250.00	7,050.56	6,084.00	6,030.00	36.28	32.31	-5.55	-1,884.82	-6,429.67	7,562.69	7,500.10	62.59	120.825		
7,300.00	7,084.39	6,129.00	6,076.00	36.57	32.34	-7.23	-1,888.19	-6,429.67	7,527.64	7,464.98	62.65	120.149		
7,350.00	7,115.27	6,174.00	6,120.00	36.89	32.42	-9.18	-1,897.74	-6,429.67	7,490.16	7,427.38	62.78	119.312		
7,400.00	7,142.99	6,219.00	6,165.00	37.25	32.42	-11.28	-1,897.74	-6,429.67	7,450.25	7,387.46	62.79	118.663		
7,450.00	7,167.38	6,264.00	6,210.00	37.65	32.42	-13.83	-1,897.74	-6,429.67	7,408.31	7,345.52	62.79	117.986		
7,500.00	7,188.30	6,309.00	6,255.00	38.08	32.42	-17.05	-1,897.74	-6,429.67	7,364.57	7,301.77	62.79	117.282		
7,550.00	7,205.61	6,354.00	6,300.00	38.55	32.42	-21.34	-1,897.74	-6,429.67	7,319.26	7,256.46	62.80	116.552		
7,600.00	7,219.20	6,399.00	6,345.00	39.06	32.42	-27.32	-1,897.74	-6,429.67	7,272.63	7,209.83	62.81	115.794		
7,650.00	7,229.00	6,444.00	6,390.00	39.61	32.42	-36.06	-1,897.74	-6,429.67	7,224.96	7,162.14	62.82	115.011		
7,700.00	7,234.95	6,489.00	6,435.00	40.18	32.42	-49.27	-1,897.74	-6,429.67	7,176.52	7,113.68	62.84	114.204		
7,750.07	7,237.00	6,534.00	6,480.00	40.78	32.42	-68.56	-1,897.74	-6,429.67	7,127.53	7,064.66	62.87	113.372		
7,800.00	7,237.09	6,579.00	6,525.00	41.41	32.42	-68.56	-1,897.74	-6,429.67	7,078.52	7,015.62	62.90	112.531		
7,900.00	7,237.28	6,624.00	6,570.00	42.79	32.42	-68.56	-1,897.74	-6,429.67	6,980.42	6,917.44	62.98	110.836		
8,000.00	7,237.47	6,669.00	6,615.00	44.31	32.42	-68.56	-1,897.74	-6,429.67	6,882.38	6,819.31	63.07	109.123		
8,100.00	7,237.65	6,714.00	6,660.00	45.97	32.42	-68.56	-1,897.74	-6,429.67	6,784.39	6,721.22	63.17	107.391		
8,200.00	7,237.84	6,759.00	6,705.00	47.75	32.42	-68.56	-1,897.74	-6,429.67	6,686.47	6,623.17	63.29	105.640		
8,300.00	7,238.02	6,804.00	6,750.00	49.63	32.42	-68.56	-1,897.74	-6,429.67	6,588.60	6,525.17	63.43	103.871		
8,400.00	7,238.21	6,849.00	6,795.00	51.61	32.42	-68.56	-1,897.74	-6,429.67	6,490.80	6,427.22	63.58	102.082		
8,500.00	7,238.40	6,894.00	6,840.00	53.66	32.42	-68.56	-1,897.74	-6,429.67	6,393.07	6,329.31	63.76	100.273		
8,600.00	7,238.58	6,939.00	6,885.00	55.79	32.42	-68.56	-1,897.74	-6,429.67	6,295.41	6,231.46	63.95	98.445		
8,700.00	7,238.77	6,984.00	6,930.00	57.99	32.42	-68.56	-1,897.74	-6,429.67	6,197.82	6,133.66	64.16	96.598		
8,800.00	7,238.96	7,029.00	6,975.00	60.24	32.42	-68.56	-1,897.74	-6,429.67	6,100.32	6,035.92	64.40	94.731		
8,900.00	7,239.14	7,074.00	7,020.00	62.54	32.42	-68.56	-1,897.74	-6,429.67	6,002.89	5,938.23	64.65	92.845		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	6,800.00	6,736.45	64.88	32.42	-68.56	-1,897.74	-6,429.67	5,905.55	5,840.61	64.94	90.940		
9,100.00	7,239.52	6,800.00	6,736.45	67.27	32.42	-68.56	-1,897.74	-6,429.67	5,808.30	5,743.05	65.25	89.017		
9,200.00	7,239.70	6,800.00	6,736.45	69.69	32.42	-68.56	-1,897.74	-6,429.67	5,711.15	5,645.56	65.59	87.075		
9,300.00	7,239.89	6,800.00	6,736.45	72.15	32.42	-68.56	-1,897.74	-6,429.67	5,614.09	5,548.13	65.96	85.115		
9,400.00	7,240.07	6,800.00	6,736.45	74.63	32.42	-68.56	-1,897.74	-6,429.67	5,517.14	5,450.78	66.36	83.139		
9,500.00	7,240.26	6,800.00	6,736.45	77.14	32.42	-68.56	-1,897.74	-6,429.67	5,420.31	5,353.51	66.80	81.146		
9,600.00	7,240.45	6,800.00	6,736.45	79.68	32.42	-68.56	-1,897.74	-6,429.67	5,323.58	5,256.31	67.27	79.138		
9,700.00	7,240.63	6,800.00	6,736.45	82.23	32.42	-68.56	-1,897.74	-6,429.67	5,226.99	5,159.21	67.78	77.117		
9,800.00	7,240.82	6,800.00	6,736.45	84.81	32.42	-68.56	-1,897.74	-6,429.67	5,130.52	5,062.19	68.33	75.082		
9,900.00	7,241.01	6,800.00	6,736.45	87.40	32.42	-68.56	-1,897.74	-6,429.67	5,034.19	4,965.26	68.93	73.036		
10,000.00	7,241.19	6,800.00	6,736.45	90.01	32.42	-68.56	-1,897.74	-6,429.67	4,938.01	4,868.44	69.57	70.980		
10,100.00	7,241.38	6,800.00	6,736.45	92.64	32.42	-68.56	-1,897.74	-6,429.67	4,841.98	4,771.72	70.26	68.915		
10,200.00	7,241.56	6,800.00	6,736.45	95.28	32.42	-68.56	-1,897.74	-6,429.67	4,746.11	4,675.11	71.00	66.845		
10,300.00	7,241.75	6,800.00	6,736.45	97.93	32.42	-68.56	-1,897.74	-6,429.67	4,650.42	4,578.62	71.80	64.770		
10,400.00	7,241.94	6,800.00	6,736.45	100.59	32.42	-68.56	-1,897.74	-6,429.67	4,554.92	4,482.26	72.65	62.692		
10,500.00	7,242.12	6,800.00	6,736.45	103.26	32.42	-68.56	-1,897.74	-6,429.67	4,459.61	4,386.03	73.57	60.615		
10,600.00	7,242.31	6,800.00	6,736.45	105.95	32.42	-68.56	-1,897.74	-6,429.67	4,364.51	4,289.95	74.56	58.540		
10,700.00	7,242.50	6,800.00	6,736.45	108.64	32.42	-68.56	-1,897.74	-6,429.67	4,269.63	4,194.02	75.61	56.470		
10,800.00	7,242.68	6,800.00	6,736.45	111.34	32.42	-68.56	-1,897.74	-6,429.67	4,175.00	4,098.26	76.74	54.408		
10,900.00	7,242.87	6,800.00	6,736.45	114.05	32.42	-68.56	-1,897.74	-6,429.67	4,080.62	4,002.68	77.94	52.355		
11,000.00	7,243.05	6,800.00	6,736.45	116.76	32.42	-68.56	-1,897.74	-6,429.67	3,986.51	3,907.28	79.23	50.316		
11,100.00	7,243.24	6,800.00	6,736.45	119.49	32.42	-68.56	-1,897.74	-6,429.67	3,892.70	3,812.09	80.61	48.292		
11,200.00	7,243.43	6,800.00	6,736.45	122.22	32.42	-68.56	-1,897.74	-6,429.67	3,799.20	3,717.13	82.08	46.287		
11,300.00	7,243.61	6,800.00	6,736.45	124.95	32.42	-68.56	-1,897.74	-6,429.67	3,706.05	3,622.40	83.65	44.304		
11,400.00	7,243.80	6,800.00	6,736.45	127.69	32.42	-68.56	-1,897.74	-6,429.67	3,613.26	3,527.93	85.33	42.344		
11,500.00	7,243.99	6,800.00	6,736.45	130.44	32.42	-68.56	-1,897.74	-6,429.67	3,520.86	3,433.74	87.12	40.413		
11,600.00	7,244.17	6,800.00	6,736.45	133.19	32.42	-68.56	-1,897.74	-6,429.67	3,428.89	3,339.86	89.04	38.511		
11,700.00	7,244.36	6,800.00	6,736.45	135.94	32.42	-68.56	-1,897.74	-6,429.67	3,337.39	3,246.31	91.08	36.643		
11,800.00	7,244.55	6,800.00	6,736.45	138.70	32.42	-68.56	-1,897.74	-6,429.67	3,246.38	3,153.12	93.26	34.810		
11,900.00	7,244.73	6,800.00	6,736.45	141.47	32.42	-68.56	-1,897.74	-6,429.67	3,155.92	3,060.33	95.59	33.016		
12,000.00	7,244.92	6,800.00	6,736.45	144.24	32.42	-68.56	-1,897.74	-6,429.67	3,066.05	2,967.98	98.07	31.263		
12,100.00	7,245.10	6,800.00	6,736.45	147.01	32.42	-68.56	-1,897.74	-6,429.67	2,976.83	2,876.10	100.72	29.555		
12,200.00	7,245.29	6,800.00	6,736.45	149.78	32.42	-68.56	-1,897.74	-6,429.67	2,888.31	2,784.76	103.55	27.892		
12,300.00	7,245.48	6,800.00	6,736.45	152.56	32.42	-68.56	-1,897.74	-6,429.67	2,800.57	2,693.99	106.58	26.278		
12,400.00	7,245.66	6,800.00	6,736.45	155.34	32.42	-68.56	-1,897.74	-6,429.67	2,713.67	2,603.87	109.80	24.715		
12,500.00	7,245.85	6,800.00	6,736.45	158.12	32.42	-68.56	-1,897.74	-6,429.67	2,627.71	2,514.47	113.24	23.204		
12,600.00	7,246.04	6,800.00	6,736.45	160.91	32.42	-68.56	-1,897.74	-6,429.67	2,542.77	2,425.86	116.91	21.749		
12,700.00	7,246.22	6,800.00	6,736.45	163.70	32.42	-68.56	-1,897.74	-6,429.67	2,458.97	2,338.14	120.83	20.351		
12,800.00	7,246.41	6,800.00	6,736.45	166.49	32.42	-68.56	-1,897.74	-6,429.67	2,376.42	2,251.41	125.01	19.010		
12,900.00	7,246.59	6,800.00	6,736.45	169.28	32.42	-68.56	-1,897.74	-6,429.67	2,295.26	2,165.80	129.46	17.730		
13,000.00	7,246.78	6,800.00	6,736.45	172.08	32.42	-68.56	-1,897.74	-6,429.67	2,215.64	2,081.45	134.19	16.511		
13,100.00	7,246.97	6,800.00	6,736.45	174.88	32.42	-68.56	-1,897.74	-6,429.67	2,137.73	1,998.50	139.22	15.355		
13,200.00	7,247.15	6,800.00	6,736.45	177.68	32.42	-68.56	-1,897.74	-6,429.67	2,061.73	1,917.17	144.56	14.262		
13,300.00	7,247.34	6,800.00	6,736.45	180.48	32.42	-68.56	-1,897.74	-6,429.67	1,987.85	1,837.64	150.21	13.234		
13,400.00	7,247.53	6,800.00	6,736.45	183.28	32.42	-68.56	-1,897.74	-6,429.67	1,916.35	1,760.18	156.17	12.271		
13,500.00	7,247.71	6,800.00	6,736.45	186.09	32.42	-68.56	-1,897.74	-6,429.67	1,847.49	1,685.06	162.43	11.374		
13,600.00	7,247.90	6,800.00	6,736.45	188.90	32.42	-68.56	-1,897.74	-6,429.67	1,781.59	1,612.62	168.97	10.544		
13,700.00	7,248.08	6,800.00	6,736.45	191.70	32.42	-68.56	-1,897.74	-6,429.67	1,718.98	1,543.22	175.76	9.780		
13,800.00	7,248.27	6,800.00	6,736.45	194.52	32.42	-68.56	-1,897.74	-6,429.67	1,660.04	1,477.29	182.76	9.083		
13,900.00	7,248.46	6,800.00	6,736.45	197.33	32.42	-68.56	-1,897.74	-6,429.67	1,605.17	1,415.29	189.88	8.453		
14,000.00	7,248.64	6,800.00	6,736.45	200.14	32.42	-68.56	-1,897.74	-6,429.67	1,554.81	1,357.76	197.05	7.890		
14,100.00	7,248.83	6,800.00	6,736.45	202.95	32.42	-68.56	-1,897.74	-6,429.67	1,509.39	1,305.25	204.15	7.394		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	6,800.00	6,736.45	205.77	32.42	-68.56	-1,897.74	-6,429.67	1,469.39	1,258.36	211.03	6.963		
14,300.00	7,249.20	6,800.00	6,736.45	208.59	32.42	-68.56	-1,897.74	-6,429.67	1,435.25	1,217.70	217.55	6.597		
14,400.00	7,249.39	6,800.00	6,736.45	211.41	32.42	-68.56	-1,897.74	-6,429.67	1,407.40	1,183.86	223.54	6.296		
14,500.00	7,249.58	6,800.00	6,736.45	214.23	32.42	-68.56	-1,897.74	-6,429.67	1,386.22	1,157.40	228.82	6.058		
14,600.00	7,249.76	6,800.00	6,736.45	217.05	32.42	-68.56	-1,897.74	-6,429.67	1,372.02	1,138.78	233.25	5.882		
14,700.00	7,249.95	6,800.00	6,736.45	219.87	32.42	-68.56	-1,897.74	-6,429.67	1,365.02	1,128.33	236.69	5.767		
14,745.81	7,250.03	6,800.00	6,736.45	221.16	32.42	-68.56	-1,897.74	-6,429.67	1,364.25	1,126.34	237.91	5.734	CC	
14,800.00	7,250.13	6,800.00	6,736.45	222.69	32.42	-68.56	-1,897.74	-6,429.67	1,365.33	1,126.27	239.06	5.711	ES, SF	
14,900.00	7,250.32	6,800.00	6,736.45	225.51	32.42	-68.56	-1,897.74	-6,429.67	1,372.94	1,132.60	240.34	5.713		
15,000.00	7,250.51	6,800.00	6,736.45	228.34	32.42	-68.56	-1,897.74	-6,429.67	1,387.73	1,147.21	240.53	5.770		
15,100.00	7,250.69	6,800.00	6,736.45	231.16	32.42	-68.56	-1,897.74	-6,429.67	1,409.48	1,169.78	239.70	5.880		
15,200.00	7,250.88	6,800.00	6,736.45	233.99	32.42	-68.56	-1,897.74	-6,429.67	1,437.87	1,199.91	237.97	6.042		
15,300.00	7,251.07	6,800.00	6,736.45	236.82	32.42	-68.56	-1,897.74	-6,429.67	1,472.52	1,237.07	235.45	6.254		
15,400.00	7,251.25	6,800.00	6,736.45	239.65	32.42	-68.56	-1,897.74	-6,429.67	1,513.00	1,280.69	232.31	6.513		
15,500.00	7,251.44	6,800.00	6,736.45	242.47	32.42	-68.56	-1,897.74	-6,429.67	1,558.84	1,330.17	228.67	6.817		
15,600.00	7,251.62	6,800.00	6,736.45	245.30	32.42	-68.56	-1,897.74	-6,429.67	1,609.61	1,384.93	224.68	7.164		
15,700.00	7,251.81	6,800.00	6,736.45	248.13	32.42	-68.56	-1,897.74	-6,429.67	1,664.83	1,444.39	220.45	7.552		
15,800.00	7,252.00	6,800.00	6,736.45	250.97	32.42	-68.56	-1,897.74	-6,429.67	1,724.10	1,508.02	216.08	7.979		
15,900.00	7,252.18	6,800.00	6,736.45	253.80	32.42	-68.56	-1,897.74	-6,429.67	1,786.99	1,575.33	211.66	8.443		
16,000.00	7,252.37	6,800.00	6,736.45	256.63	32.42	-68.56	-1,897.74	-6,429.67	1,853.16	1,645.90	207.26	8.941		
16,100.00	7,252.56	6,800.00	6,736.45	259.46	32.42	-68.56	-1,897.74	-6,429.67	1,922.24	1,719.33	202.92	9.473		
16,200.00	7,252.74	6,800.00	6,736.45	262.30	32.42	-68.56	-1,897.74	-6,429.67	1,993.96	1,795.28	198.68	10.036		
16,300.00	7,252.93	6,800.00	6,736.45	265.13	32.42	-68.56	-1,897.74	-6,429.67	2,068.02	1,873.45	194.57	10.629		
16,400.00	7,253.11	6,800.00	6,736.45	267.96	32.42	-68.56	-1,897.74	-6,429.67	2,144.19	1,953.58	190.61	11.249		
16,500.00	7,253.30	6,800.00	6,736.45	270.80	32.42	-68.56	-1,897.74	-6,429.67	2,222.25	2,035.45	186.80	11.896		
16,600.00	7,253.49	6,800.00	6,736.45	273.64	32.42	-68.56	-1,897.74	-6,429.67	2,302.00	2,118.85	183.15	12.569		
16,700.00	7,253.67	6,800.00	6,736.45	276.47	32.42	-68.56	-1,897.74	-6,429.67	2,383.29	2,203.61	179.67	13.265		
16,800.00	7,253.86	6,800.00	6,736.45	279.31	32.42	-68.56	-1,897.74	-6,429.67	2,465.95	2,289.59	176.36	13.983		
16,900.00	7,254.05	6,800.00	6,736.45	282.15	32.42	-68.56	-1,897.74	-6,429.67	2,549.85	2,376.65	173.20	14.722		
17,000.00	7,254.23	6,800.00	6,736.45	284.98	32.42	-68.56	-1,897.74	-6,429.67	2,634.87	2,464.68	170.19	15.482		
17,100.00	7,254.42	6,800.00	6,736.45	287.82	32.42	-68.56	-1,897.74	-6,429.67	2,720.92	2,553.58	167.34	16.260		
17,200.00	7,254.61	6,800.00	6,736.45	290.66	32.42	-68.56	-1,897.74	-6,429.67	2,807.89	2,643.26	164.63	17.056		
17,300.00	7,254.79	6,800.00	6,736.45	293.50	32.42	-68.56	-1,897.74	-6,429.67	2,895.70	2,733.65	162.05	17.869		
17,400.00	7,254.98	6,800.00	6,736.45	296.34	32.42	-68.56	-1,897.74	-6,429.67	2,984.28	2,824.68	159.60	18.698		
17,500.00	7,255.16	6,800.00	6,736.45	299.18	32.42	-68.56	-1,897.74	-6,429.67	3,073.56	2,916.28	157.28	19.542		
17,600.00	7,255.35	6,800.00	6,736.45	302.02	32.42	-68.56	-1,897.74	-6,429.67	3,163.48	3,008.41	155.07	20.401		
17,700.00	7,255.54	6,800.00	6,736.45	304.86	32.42	-68.56	-1,897.74	-6,429.67	3,253.99	3,101.02	152.96	21.273		
17,800.00	7,255.72	6,800.00	6,736.45	307.70	32.42	-68.56	-1,897.74	-6,429.67	3,345.04	3,194.07	150.97	22.157		
17,900.00	7,255.91	6,800.00	6,736.45	310.54	32.42	-68.56	-1,897.74	-6,429.67	3,436.58	3,287.52	149.07	23.054		
18,000.00	7,256.10	6,800.00	6,736.45	313.39	32.42	-68.56	-1,897.74	-6,429.67	3,528.59	3,381.33	147.26	23.962		
18,100.00	7,256.28	6,800.00	6,736.45	316.23	32.42	-68.56	-1,897.74	-6,429.67	3,621.02	3,475.49	145.53	24.881		
18,200.00	7,256.47	6,800.00	6,736.45	319.07	32.42	-68.56	-1,897.74	-6,429.67	3,713.84	3,569.95	143.89	25.810		
18,300.00	7,256.65	6,800.00	6,736.45	321.91	32.42	-68.56	-1,897.74	-6,429.67	3,807.03	3,664.70	142.33	26.749		
18,400.00	7,256.84	6,800.00	6,736.45	324.76	32.42	-68.56	-1,897.74	-6,429.67	3,900.55	3,759.72	140.83	27.696		
18,500.00	7,257.03	6,800.00	6,736.45	327.60	32.42	-68.56	-1,897.74	-6,429.67	3,994.39	3,854.98	139.41	28.652		
18,600.00	7,257.21	6,800.00	6,736.45	330.44	32.42	-68.56	-1,897.74	-6,429.67	4,088.52	3,950.47	138.05	29.617		
18,700.00	7,257.40	6,800.00	6,736.45	333.29	32.42	-68.56	-1,897.74	-6,429.67	4,182.92	4,046.17	136.75	30.589		
18,800.00	7,257.59	6,800.00	6,736.45	336.13	32.42	-68.56	-1,897.74	-6,429.67	4,277.58	4,142.07	135.51	31.568		
18,900.00	7,257.77	6,800.00	6,736.45	338.98	32.42	-68.56	-1,897.74	-6,429.67	4,372.47	4,238.15	134.32	32.553		
19,000.00	7,257.96	6,800.00	6,736.45	341.82	32.42	-68.56	-1,897.74	-6,429.67	4,467.59	4,334.41	133.18	33.546		
19,022.43	7,258.00	6,800.00	6,736.45	342.46	32.42	-68.56	-1,897.74	-6,429.67	4,488.95	4,356.02	132.93	33.769		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.89	-2,137.84	-5,601.93	5,996.00					
100.00	100.00	85.00	85.00	3.28	3.29	-110.89	-2,137.84	-5,601.93	5,996.00	5,989.43	6.57	912.633		
200.00	200.00	185.00	185.00	3.34	3.31	-110.89	-2,137.84	-5,601.93	5,996.00	5,989.36	6.64	902.731		
300.00	300.00	285.00	285.00	3.44	3.34	-110.89	-2,137.84	-5,601.93	5,996.00	5,989.21	6.78	883.845		
400.00	399.98	384.98	384.98	3.60	3.39	133.11	-2,137.84	-5,601.93	5,997.19	5,990.21	6.98	858.590		
500.00	499.84	484.84	484.84	3.79	3.45	133.09	-2,137.84	-5,601.93	6,000.77	5,993.53	7.24	828.760		
600.00	599.45	584.45	584.45	4.03	3.52	133.06	-2,137.84	-5,601.93	6,006.74	5,999.18	7.55	795.519		
700.00	698.70	683.70	683.70	4.30	3.61	133.03	-2,137.84	-5,601.93	6,015.09	6,007.18	7.91	760.492		
800.00	797.47	782.47	782.47	4.61	3.70	132.98	-2,137.84	-5,601.93	6,025.83	6,017.51	8.31	724.939		
900.00	895.62	880.62	880.62	4.96	3.81	132.91	-2,137.84	-5,601.93	6,038.96	6,030.20	8.76	689.757		
939.50	934.20	919.20	919.20	5.10	3.85	132.89	-2,137.84	-5,601.93	6,044.80	6,035.86	8.94	676.002		
1,000.00	993.20	1,606.95	1,606.33	5.33	5.00	133.97	-2,131.00	-5,592.70	6,075.57	6,065.26	10.31	589.183		
1,100.00	1,090.72	1,705.00	1,703.81	5.73	5.33	134.14	-2,124.72	-5,584.22	6,080.74	6,069.71	11.03	551.539		
1,200.00	1,188.24	1,803.05	1,801.29	6.15	5.69	134.32	-2,118.44	-5,575.73	6,085.96	6,074.19	11.77	517.043		
1,300.00	1,285.76	1,901.11	1,898.78	6.59	6.06	134.49	-2,112.16	-5,567.25	6,091.25	6,078.70	12.54	485.568		
1,400.00	1,383.28	2,000.84	1,996.26	7.04	6.46	134.67	-2,105.88	-5,558.77	6,096.59	6,083.25	13.35	456.766		
1,500.00	1,480.80	2,097.21	2,093.74	7.50	6.85	134.84	-2,099.60	-5,550.29	6,102.00	6,087.84	14.16	431.051		
1,600.00	1,578.31	2,204.74	2,191.22	7.96	7.30	135.02	-2,093.32	-5,541.81	6,107.46	6,092.43	15.02	406.505		
1,700.00	1,675.83	2,293.31	2,288.71	8.44	7.68	135.19	-2,087.04	-5,533.32	6,112.98	6,097.14	15.83	386.140		
1,800.00	1,773.35	2,408.63	2,386.19	8.92	8.18	135.36	-2,080.76	-5,524.84	6,118.55	6,101.80	16.76	365.151		
1,900.00	1,870.87	2,489.42	2,483.67	9.40	8.54	135.54	-2,074.48	-5,516.36	6,124.19	6,106.64	17.55	348.940		
2,000.00	1,968.39	2,587.47	2,581.15	9.89	8.97	135.71	-2,068.20	-5,507.88	6,129.88	6,111.46	18.42	332.718		
2,100.00	2,065.91	2,685.52	2,678.64	10.39	9.41	135.88	-2,061.92	-5,499.40	6,135.63	6,116.33	19.30	317.851		
2,200.00	2,163.43	2,783.57	2,776.12	10.88	9.86	136.06	-2,055.64	-5,490.91	6,141.44	6,121.25	20.19	304.192		
2,300.00	2,260.95	2,881.63	2,873.60	11.38	10.30	136.23	-2,049.36	-5,482.43	6,147.30	6,126.22	21.08	291.611		
2,400.00	2,358.46	2,979.68	2,971.08	11.89	10.75	136.40	-2,043.08	-5,473.95	6,153.23	6,131.25	21.98	279.994		
2,500.00	2,455.98	3,077.73	3,068.56	12.39	11.20	136.57	-2,036.80	-5,465.47	6,159.21	6,136.33	22.88	269.242		
2,600.00	2,553.50	3,175.78	3,166.05	12.89	11.66	136.74	-2,030.52	-5,456.99	6,165.24	6,141.46	23.78	259.267		
2,700.00	2,651.02	3,273.83	3,263.53	13.40	12.11	136.91	-2,024.24	-5,448.50	6,171.33	6,146.65	24.69	249.993		
2,800.00	2,748.54	3,371.88	3,361.01	13.91	12.57	137.08	-2,017.96	-5,440.02	6,177.48	6,151.89	25.60	241.351		
2,900.00	2,846.06	3,469.94	3,458.49	14.42	13.03	137.25	-2,011.68	-5,431.54	6,183.69	6,157.18	26.51	233.283		
3,000.00	2,943.58	3,567.99	3,555.98	14.93	13.49	137.42	-2,005.40	-5,423.06	6,189.95	6,162.53	27.42	225.735		
3,100.00	3,041.10	3,666.04	3,653.46	15.45	13.95	137.59	-1,999.12	-5,414.58	6,196.27	6,167.93	28.34	218.660		
3,200.00	3,138.61	3,764.09	3,750.94	15.96	14.42	137.76	-1,992.84	-5,406.09	6,202.64	6,173.39	29.26	212.018		
3,300.00	3,236.13	3,862.14	3,848.42	16.47	14.88	137.93	-1,986.56	-5,397.61	6,209.07	6,178.89	30.17	205.770		
3,400.00	3,333.65	3,960.20	3,945.91	16.99	15.34	138.10	-1,980.28	-5,389.13	6,215.55	6,184.46	31.10	199.884		
3,500.00	3,431.17	4,058.25	4,043.39	17.50	15.81	138.27	-1,974.00	-5,380.65	6,222.09	6,190.08	32.02	194.331		
3,600.00	3,528.69	4,156.30	4,140.87	18.02	16.28	138.43	-1,967.72	-5,372.17	6,228.69	6,195.75	32.94	189.083		
3,700.00	3,626.21	4,254.35	4,238.35	18.54	16.74	138.60	-1,961.44	-5,363.68	6,235.34	6,201.47	33.87	184.117		
3,800.00	3,723.73	4,352.40	4,335.83	19.06	17.21	138.77	-1,955.16	-5,355.20	6,242.04	6,207.25	34.79	179.412		
3,900.00	3,821.25	4,450.46	4,433.32	19.57	17.68	138.93	-1,948.88	-5,346.72	6,248.80	6,213.08	35.72	174.948		
4,000.00	3,918.77	4,548.51	4,530.80	20.09	18.15	139.10	-1,942.60	-5,338.24	6,255.61	6,218.97	36.65	170.707		
4,100.00	4,016.28	4,646.56	4,628.28	20.61	18.62	139.27	-1,936.32	-5,329.76	6,262.48	6,224.91	37.57	166.673		
4,200.00	4,113.80	4,744.61	4,725.76	21.13	19.09	139.43	-1,930.04	-5,321.27	6,269.40	6,230.90	38.50	162.832		
4,300.00	4,211.32	4,842.66	4,823.25	21.65	19.56	139.60	-1,923.76	-5,312.79	6,276.38	6,236.95	39.43	159.172		
4,400.00	4,308.84	4,940.72	4,920.73	22.17	20.03	139.76	-1,917.48	-5,304.31	6,283.41	6,243.04	40.36	155.678		
4,500.00	4,406.36	5,038.77	5,018.21	22.69	20.50	139.93	-1,911.20	-5,295.83	6,290.49	6,249.20	41.29	152.342		
4,600.00	4,503.88	5,136.82	5,115.69	23.21	20.97	140.09	-1,904.92	-5,287.35	6,297.62	6,255.40	42.22	149.152		
4,700.00	4,601.40	5,234.87	5,213.18	23.73	21.44	140.26	-1,898.64	-5,278.86	6,304.81	6,261.66	43.15	146.099		
4,800.00	4,698.92	5,332.92	5,310.66	24.26	21.91	140.42	-1,892.36	-5,270.38	6,312.05	6,267.97	44.09	143.176		
4,900.00	4,796.43	5,430.98	5,408.14	24.78	22.39	140.58	-1,886.08	-5,261.90	6,319.35	6,274.33	45.02	140.373		
5,000.00	4,893.95	5,529.03	5,505.62	25.30	22.86	140.74	-1,879.80	-5,253.42	6,326.69	6,280.74	45.95	137.684		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,627.08	5,603.10	25.82	23.33	140.91	-1,873.52	-5,244.94	6,334.09	6,287.21	46.88	135.103		
5,200.00	5,088.99	5,716.15	5,691.66	26.34	23.76	141.05	-1,867.82	-5,237.23	6,341.55	6,293.78	47.78	132.736		
5,300.00	5,186.51	5,751.45	5,726.78	26.87	23.93	141.11	-1,865.69	-5,234.35	6,349.65	6,301.24	48.42	131.146		
5,400.00	5,284.03	5,800.00	5,775.14	27.39	24.16	141.19	-1,863.17	-5,230.96	6,358.88	6,309.77	49.12	129.469		
5,500.00	5,381.55	5,800.00	5,775.14	27.91	24.16	141.19	-1,863.17	-5,230.96	6,369.11	6,319.53	49.58	128.469		
5,600.00	5,479.07	5,848.39	5,823.41	28.43	24.37	141.26	-1,861.16	-5,228.23	6,380.33	6,330.07	50.26	126.946		
5,700.00	5,576.58	5,900.00	5,874.95	28.96	24.60	141.34	-1,859.54	-5,226.05	6,392.75	6,341.80	50.96	125.458		
5,800.00	5,674.10	5,900.00	5,874.95	29.48	24.60	141.34	-1,859.54	-5,226.05	6,406.08	6,354.69	51.39	124.656		
5,900.00	5,771.62	5,945.05	5,919.97	30.00	24.79	141.40	-1,858.58	-5,224.75	6,420.45	6,368.42	52.04	123.381		
6,000.00	5,869.14	6,000.00	5,974.91	30.53	25.02	141.47	-1,857.98	-5,223.94	6,436.03	6,383.30	52.73	122.054		
6,100.00	5,966.66	6,009.23	5,984.14	31.05	25.06	141.48	-1,857.94	-5,223.89	6,452.38	6,399.19	53.18	121.320		
6,200.00	6,064.18	6,074.27	6,049.18	31.58	25.32	141.56	-1,857.91	-5,223.85	6,469.75	6,415.83	53.91	120.000		
6,300.00	6,161.70	6,171.79	6,146.70	32.10	25.70	141.68	-1,857.91	-5,223.85	6,487.27	6,432.46	54.81	118.362		
6,400.00	6,259.22	6,269.31	6,244.22	32.62	26.09	141.80	-1,857.91	-5,223.85	6,504.82	6,449.12	55.70	116.777		
6,500.00	6,356.74	6,366.83	6,341.74	33.15	26.48	141.92	-1,857.91	-5,223.85	6,522.40	6,465.80	56.60	115.244		
6,600.00	6,454.25	6,400.00	6,374.90	33.67	26.61	141.95	-1,858.78	-5,223.86	6,540.49	6,483.34	57.15	114.445		
6,623.48	6,477.15	6,400.00	6,374.90	33.80	26.61	141.95	-1,858.78	-5,223.86	6,544.89	6,487.65	57.24	114.342		
6,650.00	6,503.12	6,400.00	6,374.90	33.93	26.61	136.45	-1,858.78	-5,223.86	6,549.43	6,492.09	57.34	114.227		
6,700.00	6,552.50	6,438.13	6,412.92	34.16	26.73	117.68	-1,861.55	-5,223.86	6,555.06	6,497.37	57.69	113.630		
6,750.00	6,602.21	6,456.81	6,431.48	34.36	26.79	79.68	-1,863.60	-5,223.86	6,557.17	6,499.25	57.93	113.201		
6,800.00	6,651.92	6,500.00	6,474.19	34.54	26.94	40.70	-1,870.07	-5,223.86	6,555.80	6,497.55	58.25	112.542		
6,850.00	6,701.33	6,500.00	6,474.19	34.70	26.94	20.96	-1,870.07	-5,223.86	6,550.59	6,492.24	58.35	112.273		
6,900.00	6,750.14	6,500.00	6,474.19	34.86	26.94	11.31	-1,870.07	-5,223.86	6,541.95	6,483.53	58.42	111.985		
6,950.00	6,798.04	6,529.97	6,503.57	35.02	27.02	5.76	-1,875.97	-5,223.86	6,529.72	6,471.11	58.61	111.405		
7,000.00	6,844.75	6,547.22	6,520.37	35.19	27.07	2.13	-1,879.89	-5,223.86	6,514.07	6,455.33	58.73	110.907		
7,050.00	6,889.97	6,563.81	6,536.44	35.37	27.12	-0.53	-1,884.01	-5,223.86	6,495.04	6,436.20	58.84	110.383		
7,100.00	6,933.42	6,600.00	6,571.15	35.57	27.23	-2.72	-1,894.21	-5,223.86	6,472.82	6,413.79	59.03	109.654		
7,150.00	6,974.83	6,600.00	6,571.15	35.79	27.23	-4.53	-1,894.21	-5,223.86	6,447.28	6,388.24	59.04	109.208		
7,200.00	7,013.96	6,600.00	6,571.15	36.02	27.23	-6.21	-1,894.21	-5,223.86	6,418.81	6,359.77	59.03	108.731		
7,250.00	7,050.56	6,600.00	6,571.15	36.28	27.23	-7.87	-1,894.21	-5,223.86	6,387.54	6,328.52	59.02	108.220		
7,300.00	7,084.39	6,633.59	6,602.91	36.57	27.31	-9.78	-1,905.14	-5,223.86	6,353.40	6,294.23	59.17	107.382		
7,350.00	7,115.27	6,644.39	6,613.02	36.89	27.33	-11.78	-1,908.95	-5,223.86	6,316.84	6,257.64	59.20	106.703		
7,400.00	7,142.99	6,654.01	6,621.98	37.25	27.36	-14.08	-1,912.47	-5,223.86	6,277.97	6,218.74	59.23	105.998		
7,450.00	7,167.38	6,662.42	6,629.76	37.65	27.38	-16.85	-1,915.63	-5,223.86	6,237.00	6,177.75	59.25	105.265		
7,500.00	7,188.30	6,669.57	6,636.36	38.08	27.39	-20.29	-1,918.39	-5,223.86	6,194.16	6,134.89	59.27	104.506		
7,550.00	7,205.61	6,700.00	6,664.14	38.55	27.47	-25.13	-1,930.81	-5,223.87	6,149.82	6,090.41	59.41	103.511		
7,600.00	7,219.20	6,700.00	6,664.14	39.06	27.47	-31.09	-1,930.81	-5,223.87	6,103.92	6,044.51	59.41	102.740		
7,650.00	7,229.00	6,700.00	6,664.14	39.61	27.47	-39.31	-1,930.81	-5,223.87	6,056.92	5,997.50	59.42	101.935		
7,700.00	7,234.95	6,700.00	6,664.14	40.18	27.47	-50.79	-1,930.81	-5,223.87	6,009.09	5,949.65	59.44	101.098		
7,750.07	7,237.00	6,700.00	6,664.14	40.78	27.47	-66.35	-1,930.81	-5,223.87	5,960.64	5,901.17	59.47	100.229		
7,800.00	7,237.09	6,700.00	6,664.14	41.41	27.47	-66.35	-1,930.81	-5,223.87	5,912.15	5,852.64	59.51	99.346		
7,900.00	7,237.28	6,700.00	6,664.14	42.79	27.47	-66.35	-1,930.81	-5,223.87	5,815.12	5,755.52	59.60	97.564		
8,000.00	7,237.47	6,700.00	6,664.14	44.31	27.47	-66.35	-1,930.81	-5,223.87	5,718.19	5,658.47	59.72	95.756		
8,100.00	7,237.65	6,700.00	6,664.14	45.97	27.47	-66.35	-1,930.81	-5,223.87	5,621.36	5,561.51	59.85	93.923		
8,200.00	7,237.84	6,700.00	6,664.14	47.75	27.47	-66.35	-1,930.81	-5,223.87	5,524.65	5,464.64	60.01	92.065		
8,300.00	7,238.02	6,700.00	6,664.14	49.63	27.47	-66.35	-1,930.81	-5,223.87	5,428.06	5,367.87	60.19	90.180		
8,400.00	7,238.21	6,700.00	6,664.14	51.61	27.47	-66.35	-1,930.81	-5,223.87	5,331.59	5,271.19	60.40	88.270		
8,500.00	7,238.40	6,700.00	6,664.14	53.66	27.47	-66.35	-1,930.81	-5,223.87	5,235.26	5,174.62	60.64	86.333		
8,600.00	7,238.58	6,700.00	6,664.14	55.79	27.47	-66.35	-1,930.81	-5,223.87	5,139.06	5,078.15	60.91	84.370		
8,700.00	7,238.77	6,700.00	6,664.14	57.99	27.47	-66.35	-1,930.81	-5,223.87	5,043.02	4,981.80	61.22	82.381		
8,800.00	7,238.96	6,700.00	6,664.14	60.24	27.47	-66.35	-1,930.81	-5,223.87	4,947.13	4,885.57	61.56	80.367		
8,900.00	7,239.14	6,700.00	6,664.14	62.54	27.47	-66.35	-1,930.81	-5,223.87	4,851.40	4,789.47	61.94	78.329		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	6,700.00	6,664.14	64.88	27.47	-66.35	-1,930.81	-5,223.87	4,755.85	4,693.50	62.36	76.267		
9,100.00	7,239.52	6,700.00	6,664.14	67.27	27.47	-66.35	-1,930.81	-5,223.87	4,660.49	4,597.67	62.82	74.183		
9,200.00	7,239.70	6,700.00	6,664.14	69.69	27.47	-66.35	-1,930.81	-5,223.87	4,565.33	4,501.99	63.34	72.078		
9,300.00	7,239.89	6,700.00	6,664.14	72.15	27.47	-66.35	-1,930.81	-5,223.87	4,470.38	4,406.48	63.91	69.953		
9,400.00	7,240.07	6,700.00	6,664.14	74.63	27.47	-66.35	-1,930.81	-5,223.87	4,375.65	4,311.13	64.53	67.812		
9,500.00	7,240.26	6,700.00	6,664.14	77.14	27.47	-66.35	-1,930.81	-5,223.87	4,281.17	4,215.96	65.21	65.655		
9,600.00	7,240.45	6,700.00	6,664.14	79.68	27.47	-66.35	-1,930.81	-5,223.87	4,186.94	4,120.99	65.95	63.487		
9,700.00	7,240.63	6,700.00	6,664.14	82.23	27.47	-66.35	-1,930.81	-5,223.87	4,092.98	4,026.22	66.76	61.309		
9,800.00	7,240.82	6,700.00	6,664.14	84.81	27.47	-66.35	-1,930.81	-5,223.87	3,999.32	3,931.68	67.64	59.125		
9,900.00	7,241.01	6,700.00	6,664.14	87.40	27.47	-66.35	-1,930.81	-5,223.87	3,905.97	3,837.37	68.60	56.937		
10,000.00	7,241.19	6,700.00	6,664.14	90.01	27.47	-66.35	-1,930.81	-5,223.87	3,812.96	3,743.32	69.64	54.751		
10,100.00	7,241.38	6,700.00	6,664.14	92.64	27.47	-66.35	-1,930.81	-5,223.87	3,720.31	3,649.54	70.77	52.570		
10,200.00	7,241.56	6,700.00	6,664.14	95.28	27.47	-66.35	-1,930.81	-5,223.87	3,628.05	3,556.06	71.99	50.397		
10,300.00	7,241.75	6,700.00	6,664.14	97.93	27.47	-66.35	-1,930.81	-5,223.87	3,536.21	3,462.90	73.31	48.237		
10,400.00	7,241.94	6,700.00	6,664.14	100.59	27.47	-66.35	-1,930.81	-5,223.87	3,444.83	3,370.09	74.73	46.094		
10,500.00	7,242.12	6,700.00	6,664.14	103.26	27.47	-66.35	-1,930.81	-5,223.87	3,353.94	3,277.66	76.27	43.973		
10,600.00	7,242.31	6,700.00	6,664.14	105.95	27.47	-66.35	-1,930.81	-5,223.87	3,263.58	3,185.65	77.93	41.878		
10,700.00	7,242.50	6,700.00	6,664.14	108.64	27.47	-66.35	-1,930.81	-5,223.87	3,173.80	3,094.08	79.72	39.813		
10,800.00	7,242.68	6,700.00	6,664.14	111.34	27.47	-66.35	-1,930.81	-5,223.87	3,084.65	3,003.01	81.64	37.784		
10,900.00	7,242.87	6,700.00	6,664.14	114.05	27.47	-66.35	-1,930.81	-5,223.87	2,996.18	2,912.47	83.71	35.793		
11,000.00	7,243.05	6,700.00	6,664.14	116.76	27.47	-66.35	-1,930.81	-5,223.87	2,908.46	2,822.53	85.93	33.847		
11,100.00	7,243.24	6,700.00	6,664.14	119.49	27.47	-66.35	-1,930.81	-5,223.87	2,821.56	2,733.24	88.32	31.948		
11,200.00	7,243.43	6,700.00	6,664.14	122.22	27.47	-66.35	-1,930.81	-5,223.87	2,735.55	2,644.67	90.88	30.100		
11,300.00	7,243.61	6,700.00	6,664.14	124.95	27.47	-66.35	-1,930.81	-5,223.87	2,650.53	2,556.89	93.63	28.308		
11,400.00	7,243.80	6,700.00	6,664.14	127.69	27.47	-66.35	-1,930.81	-5,223.87	2,566.58	2,470.00	96.58	26.575		
11,500.00	7,243.99	6,700.00	6,664.14	130.44	27.47	-66.35	-1,930.81	-5,223.87	2,483.82	2,384.09	99.74	24.903		
11,600.00	7,244.17	6,700.00	6,664.14	133.19	27.47	-66.35	-1,930.81	-5,223.87	2,402.38	2,299.26	103.12	23.297		
11,700.00	7,244.36	6,700.00	6,664.14	135.94	27.47	-66.35	-1,930.81	-5,223.87	2,322.39	2,215.66	106.73	21.759		
11,800.00	7,244.55	6,700.00	6,664.14	138.70	27.47	-66.35	-1,930.81	-5,223.87	2,244.00	2,133.41	110.59	20.292		
11,900.00	7,244.73	6,700.00	6,664.14	141.47	27.47	-66.35	-1,930.81	-5,223.87	2,167.39	2,052.70	114.69	18.897		
12,000.00	7,244.92	6,700.00	6,664.14	144.24	27.47	-66.35	-1,930.81	-5,223.87	2,092.76	1,973.69	119.06	17.577		
12,100.00	7,245.10	6,700.00	6,664.14	147.01	27.47	-66.35	-1,930.81	-5,223.87	2,020.32	1,896.62	123.70	16.333		
12,200.00	7,245.29	6,700.00	6,664.14	149.78	27.47	-66.35	-1,930.81	-5,223.87	1,950.32	1,821.72	128.59	15.167		
12,300.00	7,245.48	6,700.00	6,664.14	152.56	27.47	-66.35	-1,930.81	-5,223.87	1,883.02	1,749.28	133.75	14.079		
12,400.00	7,245.66	6,700.00	6,664.14	155.34	27.47	-66.35	-1,930.81	-5,223.87	1,818.74	1,679.60	139.14	13.071		
12,500.00	7,245.85	6,700.00	6,664.14	158.12	27.47	-66.35	-1,930.81	-5,223.87	1,757.80	1,613.04	144.76	12.143		
12,600.00	7,246.04	6,700.00	6,664.14	160.91	27.47	-66.35	-1,930.81	-5,223.87	1,700.57	1,550.00	150.56	11.295		
12,700.00	7,246.22	6,700.00	6,664.14	163.70	27.47	-66.35	-1,930.81	-5,223.87	1,647.42	1,490.92	156.49	10.527		
12,800.00	7,246.41	6,700.00	6,664.14	166.49	27.47	-66.35	-1,930.81	-5,223.87	1,598.76	1,436.27	162.49	9.839		
12,900.00	7,246.59	6,700.00	6,664.14	169.28	27.47	-66.35	-1,930.81	-5,223.87	1,555.02	1,386.55	168.47	9.230		
13,000.00	7,246.78	6,700.00	6,664.14	172.08	27.47	-66.35	-1,930.81	-5,223.87	1,516.62	1,342.30	174.32	8.700		
13,100.00	7,246.97	6,700.00	6,664.14	174.88	27.47	-66.35	-1,930.81	-5,223.87	1,483.97	1,304.04	179.93	8.247		
13,200.00	7,247.15	6,700.00	6,664.14	177.68	27.47	-66.35	-1,930.81	-5,223.87	1,457.47	1,272.29	185.18	7.870		
13,300.00	7,247.34	6,700.00	6,664.14	180.48	27.47	-66.35	-1,930.81	-5,223.87	1,437.45	1,247.51	189.94	7.568		
13,400.00	7,247.53	6,700.00	6,664.14	183.28	27.47	-66.35	-1,930.81	-5,223.87	1,424.19	1,230.10	194.09	7.338		
13,500.00	7,247.71	6,700.00	6,664.14	186.09	27.47	-66.35	-1,930.81	-5,223.87	1,417.88	1,220.35	197.52	7.178		
13,539.75	7,247.79	6,700.00	6,664.14	187.20	27.47	-66.35	-1,930.81	-5,223.87	1,417.32	1,218.65	198.67	7.134 CC		
13,600.00	7,247.90	6,700.00	6,664.14	188.90	27.47	-66.35	-1,930.81	-5,223.87	1,418.60	1,218.43	200.17	7.087 ES		
13,700.00	7,248.08	6,700.00	6,664.14	191.70	27.47	-66.35	-1,930.81	-5,223.87	1,426.35	1,224.36	201.99	7.062 SF		
13,800.00	7,248.27	6,700.00	6,664.14	194.52	27.47	-66.35	-1,930.81	-5,223.87	1,441.01	1,238.04	202.97	7.100		
13,900.00	7,248.46	6,700.00	6,664.14	197.33	27.47	-66.35	-1,930.81	-5,223.87	1,462.38	1,259.22	203.16	7.198		
14,000.00	7,248.64	6,700.00	6,664.14	200.14	27.47	-66.35	-1,930.81	-5,223.87	1,490.17	1,287.56	202.62	7.355		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	6,700.00	6,664.14	202.95	27.47	-66.35	-1,930.81	-5,223.87	1,524.03	1,322.61	201.42	7.567		
14,200.00	7,249.02	6,700.00	6,664.14	205.77	27.47	-66.35	-1,930.81	-5,223.87	1,563.56	1,363.89	199.67	7.831		
14,300.00	7,249.20	6,700.00	6,664.14	208.59	27.47	-66.35	-1,930.81	-5,223.87	1,608.34	1,410.88	197.46	8.145		
14,400.00	7,249.39	6,700.00	6,664.14	211.41	27.47	-66.35	-1,930.81	-5,223.87	1,657.95	1,463.05	194.90	8.506		
14,500.00	7,249.58	6,700.00	6,664.14	214.23	27.47	-66.35	-1,930.81	-5,223.87	1,711.98	1,519.89	192.09	8.913		
14,600.00	7,249.76	6,700.00	6,664.14	217.05	27.47	-66.35	-1,930.81	-5,223.87	1,770.00	1,580.92	189.09	9.361		
14,700.00	7,249.95	6,700.00	6,664.14	219.87	27.47	-66.35	-1,930.81	-5,223.87	1,831.66	1,645.68	185.98	9.849		
14,800.00	7,250.13	6,700.00	6,664.14	222.69	27.47	-66.35	-1,930.81	-5,223.87	1,896.58	1,713.76	182.81	10.374		
14,900.00	7,250.32	6,700.00	6,664.14	225.51	27.47	-66.35	-1,930.81	-5,223.87	1,964.45	1,784.81	179.64	10.935		
15,000.00	7,250.51	6,700.00	6,664.14	228.34	27.47	-66.35	-1,930.81	-5,223.87	2,034.97	1,858.47	176.50	11.529		
15,100.00	7,250.69	6,700.00	6,664.14	231.16	27.47	-66.35	-1,930.81	-5,223.87	2,107.88	1,934.46	173.41	12.155		
15,200.00	7,250.88	6,700.00	6,664.14	233.99	27.47	-66.35	-1,930.81	-5,223.87	2,182.94	2,012.53	170.40	12.810		
15,300.00	7,251.07	6,700.00	6,664.14	236.82	27.47	-66.35	-1,930.81	-5,223.87	2,259.92	2,092.44	167.48	13.493		
15,400.00	7,251.25	6,700.00	6,664.14	239.65	27.47	-66.35	-1,930.81	-5,223.87	2,338.65	2,173.99	164.66	14.203		
15,500.00	7,251.44	6,700.00	6,664.14	242.47	27.47	-66.35	-1,930.81	-5,223.87	2,418.96	2,257.01	161.95	14.936		
15,600.00	7,251.62	6,700.00	6,664.14	245.30	27.47	-66.35	-1,930.81	-5,223.87	2,500.68	2,341.34	159.34	15.694		
15,700.00	7,251.81	6,700.00	6,664.14	248.13	27.47	-66.35	-1,930.81	-5,223.87	2,583.69	2,426.84	156.85	16.473		
15,800.00	7,252.00	6,700.00	6,664.14	250.97	27.47	-66.35	-1,930.81	-5,223.87	2,667.86	2,513.41	154.46	17.272		
15,900.00	7,252.18	6,700.00	6,664.14	253.80	27.47	-66.35	-1,930.81	-5,223.87	2,753.10	2,600.92	152.18	18.091		
16,000.00	7,252.37	6,700.00	6,664.14	256.63	27.47	-66.35	-1,930.81	-5,223.87	2,839.30	2,689.30	150.00	18.929		
16,100.00	7,252.56	6,700.00	6,664.14	259.46	27.47	-66.35	-1,930.81	-5,223.87	2,926.37	2,778.45	147.92	19.783		
16,200.00	7,252.74	6,700.00	6,664.14	262.30	27.47	-66.35	-1,930.81	-5,223.87	3,014.25	2,868.31	145.94	20.654		
16,300.00	7,252.93	6,700.00	6,664.14	265.13	27.47	-66.35	-1,930.81	-5,223.87	3,102.86	2,958.81	144.05	21.540		
16,400.00	7,253.11	6,700.00	6,664.14	267.96	27.47	-66.35	-1,930.81	-5,223.87	3,192.15	3,049.90	142.25	22.441		
16,500.00	7,253.30	6,700.00	6,664.14	270.80	27.47	-66.35	-1,930.81	-5,223.87	3,282.05	3,141.52	140.53	23.355		
16,600.00	7,253.49	6,700.00	6,664.14	273.64	27.47	-66.35	-1,930.81	-5,223.87	3,372.52	3,233.63	138.89	24.282		
16,700.00	7,253.67	6,700.00	6,664.14	276.47	27.47	-66.35	-1,930.81	-5,223.87	3,463.52	3,326.19	137.33	25.221		
16,800.00	7,253.86	6,700.00	6,664.14	279.31	27.47	-66.35	-1,930.81	-5,223.87	3,555.00	3,419.16	135.83	26.171		
16,900.00	7,254.05	6,700.00	6,664.14	282.15	27.47	-66.35	-1,930.81	-5,223.87	3,646.92	3,512.51	134.41	27.133		
17,000.00	7,254.23	6,700.00	6,664.14	284.98	27.47	-66.35	-1,930.81	-5,223.87	3,739.26	3,606.21	133.05	28.104		
17,100.00	7,254.42	6,700.00	6,664.14	287.82	27.47	-66.35	-1,930.81	-5,223.87	3,831.99	3,700.24	131.75	29.085		
17,200.00	7,254.61	6,700.00	6,664.14	290.66	27.47	-66.35	-1,930.81	-5,223.87	3,925.07	3,794.56	130.51	30.074		
17,300.00	7,254.79	6,700.00	6,664.14	293.50	27.47	-66.35	-1,930.81	-5,223.87	4,018.49	3,889.16	129.33	31.072		
17,400.00	7,254.98	6,700.00	6,664.14	296.34	27.47	-66.35	-1,930.81	-5,223.87	4,112.21	3,984.02	128.19	32.078		
17,500.00	7,255.16	6,700.00	6,664.14	299.18	27.47	-66.35	-1,930.81	-5,223.87	4,206.23	4,079.12	127.11	33.092		
17,600.00	7,255.35	6,700.00	6,664.14	302.02	27.47	-66.35	-1,930.81	-5,223.87	4,300.51	4,174.44	126.07	34.113		
17,700.00	7,255.54	6,700.00	6,664.14	304.86	27.47	-66.35	-1,930.81	-5,223.87	4,395.05	4,269.97	125.07	35.140		
17,800.00	7,255.72	6,700.00	6,664.14	307.70	27.47	-66.35	-1,930.81	-5,223.87	4,489.82	4,365.70	124.12	36.173		
17,900.00	7,255.91	6,700.00	6,664.14	310.54	27.47	-66.35	-1,930.81	-5,223.87	4,584.82	4,461.61	123.21	37.212		
18,000.00	7,256.10	6,700.00	6,664.14	313.39	27.47	-66.35	-1,930.81	-5,223.87	4,680.02	4,557.69	122.33	38.257		
18,100.00	7,256.28	6,700.00	6,664.14	316.23	27.47	-66.35	-1,930.81	-5,223.87	4,775.42	4,653.93	121.49	39.307		
18,200.00	7,256.47	6,700.00	6,664.14	319.07	27.47	-66.35	-1,930.81	-5,223.87	4,871.00	4,750.32	120.69	40.361		
18,300.00	7,256.65	6,700.00	6,664.14	321.91	27.47	-66.35	-1,930.81	-5,223.87	4,966.76	4,846.85	119.91	41.420		
18,400.00	7,256.84	6,700.00	6,664.14	324.76	27.47	-66.35	-1,930.81	-5,223.87	5,062.69	4,943.52	119.17	42.483		
18,500.00	7,257.03	6,700.00	6,664.14	327.60	27.47	-66.35	-1,930.81	-5,223.87	5,158.76	5,040.31	118.45	43.551		
18,600.00	7,257.21	6,700.00	6,664.14	330.44	27.47	-66.35	-1,930.81	-5,223.87	5,254.99	5,137.22	117.77	44.621		
18,700.00	7,257.40	6,700.00	6,664.14	333.29	27.47	-66.35	-1,930.81	-5,223.87	5,351.35	5,234.24	117.11	45.696		
18,800.00	7,257.59	6,700.00	6,664.14	336.13	27.47	-66.35	-1,930.81	-5,223.87	5,447.84	5,331.37	116.47	46.773		
18,900.00	7,257.77	6,700.00	6,664.14	338.98	27.47	-66.35	-1,930.81	-5,223.87	5,544.46	5,428.59	115.86	47.853		
19,000.00	7,257.96	6,700.00	6,664.14	341.82	27.47	-66.35	-1,930.81	-5,223.87	5,641.19	5,525.92	115.28	48.936		
19,022.43	7,258.00	6,700.00	6,664.14	342.46	27.47	-66.35	-1,930.81	-5,223.87	5,662.91	5,547.76	115.15	49.179		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.78	-2,137.84	-5,632.53	6,024.59					
100.00	100.00	85.00	85.00	3.28	3.29	-110.78	-2,137.84	-5,632.53	6,024.59	6,018.02	6.57	916.984		
200.00	200.00	185.00	185.00	3.34	3.31	-110.78	-2,137.84	-5,632.53	6,024.59	6,017.95	6.64	907.035		
300.00	300.00	285.00	285.00	3.44	3.34	-110.78	-2,137.84	-5,632.53	6,024.59	6,017.81	6.78	888.059		
400.00	399.98	384.98	384.98	3.60	3.39	133.21	-2,137.84	-5,632.53	6,025.79	6,018.80	6.98	862.683		
500.00	499.84	484.84	484.84	3.79	3.45	133.19	-2,137.84	-5,632.53	6,029.37	6,022.13	7.24	832.709		
600.00	599.45	584.45	584.45	4.03	3.52	133.17	-2,137.84	-5,632.53	6,035.35	6,027.80	7.55	799.306		
700.00	698.70	683.70	683.70	4.30	3.61	133.13	-2,137.84	-5,632.53	6,043.72	6,035.81	7.91	764.110		
800.00	797.47	782.47	782.47	4.61	3.70	133.08	-2,137.84	-5,632.53	6,054.48	6,046.16	8.31	728.385		
900.00	895.62	880.62	880.62	4.96	3.81	133.01	-2,137.84	-5,632.53	6,067.63	6,058.87	8.76	693.034		
939.50	934.20	919.20	919.20	5.10	3.85	132.99	-2,137.84	-5,632.53	6,073.48	6,064.54	8.94	679.212		
1,000.00	993.20	978.20	978.20	5.33	3.92	133.08	-2,137.84	-5,632.53	6,082.75	6,073.51	9.23	658.761		
1,100.00	1,090.72	1,075.72	1,075.72	5.73	4.04	133.23	-2,137.84	-5,632.53	6,098.09	6,088.35	9.74	626.230		
1,200.00	1,188.24	1,173.24	1,173.24	6.15	4.17	133.38	-2,137.84	-5,632.53	6,113.47	6,103.20	10.27	595.454		
1,300.00	1,285.76	1,270.76	1,270.76	6.59	4.30	133.52	-2,137.84	-5,632.53	6,128.90	6,118.08	10.82	566.596		
1,400.00	1,383.28	1,368.28	1,368.28	7.04	4.45	133.67	-2,137.84	-5,632.53	6,144.36	6,132.98	11.38	539.692		
1,500.00	1,480.80	1,465.80	1,465.80	7.50	4.59	133.82	-2,137.84	-5,632.53	6,159.87	6,147.90	11.97	514.696		
1,600.00	1,578.31	1,563.31	1,563.31	7.96	4.75	133.97	-2,137.84	-5,632.53	6,175.42	6,162.85	12.56	491.518		
1,700.00	1,675.83	1,660.83	1,660.83	8.44	4.90	134.11	-2,137.84	-5,632.53	6,191.01	6,177.83	13.17	470.044		
1,800.00	1,773.35	1,758.35	1,758.35	8.92	5.06	134.26	-2,137.84	-5,632.53	6,206.63	6,192.84	13.79	450.149		
1,900.00	1,870.87	1,855.87	1,855.87	9.40	5.23	134.40	-2,137.84	-5,632.53	6,222.30	6,207.89	14.41	431.709		
2,000.00	1,968.39	1,953.39	1,953.39	9.89	5.40	134.54	-2,137.84	-5,632.53	6,238.01	6,222.96	15.05	414.602		
2,100.00	2,065.91	2,050.91	2,050.91	10.39	5.74	134.73	-2,136.91	-5,632.70	6,253.66	6,237.80	15.86	394.321		
2,200.00	2,163.43	2,148.43	2,148.43	10.88	6.25	134.99	-2,130.10	-5,633.96	6,268.78	6,251.93	16.84	372.148		
2,300.00	2,260.95	2,245.95	2,245.95	11.38	6.69	135.25	-2,119.81	-5,635.87	6,283.42	6,265.66	17.76	353.788		
2,400.00	2,358.46	2,343.46	2,343.46	11.89	7.06	135.47	-2,110.68	-5,637.56	6,298.09	6,279.48	18.61	338.406		
2,500.00	2,455.98	2,440.98	2,440.98	12.39	7.45	135.69	-2,101.54	-5,639.26	6,312.86	6,293.38	19.47	324.197		
2,600.00	2,553.50	2,538.50	2,538.50	12.89	7.84	135.91	-2,092.40	-5,640.95	6,327.72	6,307.38	20.34	311.056		
2,700.00	2,651.02	2,636.02	2,636.02	13.40	8.24	136.13	-2,083.26	-5,642.65	6,342.68	6,321.46	21.22	298.889		
2,800.00	2,748.54	2,733.54	2,733.54	13.91	8.65	136.34	-2,074.13	-5,644.34	6,357.73	6,335.62	22.11	287.606		
2,900.00	2,846.06	2,831.06	2,831.06	14.42	9.06	136.56	-2,064.99	-5,646.04	6,372.88	6,349.88	23.00	277.126		
3,000.00	2,943.58	2,928.58	2,928.58	14.93	9.49	136.77	-2,055.85	-5,647.73	6,388.12	6,364.21	23.91	267.228		
3,100.00	3,041.10	3,026.10	3,026.10	15.45	9.89	136.99	-2,046.71	-5,649.43	6,403.45	6,378.66	24.79	258.288		
3,200.00	3,138.61	3,123.61	3,123.61	15.96	10.40	137.20	-2,037.58	-5,651.12	6,418.87	6,393.09	25.78	248.950		
3,300.00	3,236.13	3,221.13	3,221.13	16.47	10.74	137.41	-2,028.44	-5,652.82	6,434.39	6,407.79	26.60	241.868		
3,400.00	3,333.65	3,318.65	3,318.65	16.99	11.17	137.62	-2,019.30	-5,654.51	6,450.00	6,422.49	27.51	234.435		
3,500.00	3,431.17	3,416.17	3,416.17	17.50	11.59	137.83	-2,010.16	-5,656.21	6,465.70	6,437.27	28.43	227.461		
3,600.00	3,528.69	3,513.69	3,513.69	18.02	12.03	138.04	-2,001.03	-5,657.90	6,481.48	6,452.14	29.34	220.907		
3,700.00	3,626.21	3,611.21	3,611.21	18.54	12.46	138.25	-1,991.89	-5,659.60	6,497.36	6,467.10	30.26	214.738		
3,800.00	3,723.73	3,708.73	3,708.73	19.06	12.89	138.46	-1,982.75	-5,661.29	6,513.32	6,482.15	31.18	208.922		
3,900.00	3,821.25	3,806.25	3,806.25	19.57	13.33	138.66	-1,973.61	-5,662.99	6,529.37	6,497.28	32.10	203.433		
4,000.00	3,918.77	3,903.77	3,903.77	20.09	13.77	138.87	-1,964.48	-5,664.68	6,545.51	6,512.49	33.02	198.244		
4,100.00	4,016.28	4,001.28	4,001.28	20.61	14.21	139.07	-1,955.34	-5,666.38	6,561.73	6,527.79	33.94	193.332		
4,200.00	4,113.80	4,101.80	4,101.80	21.13	14.65	139.27	-1,946.20	-5,668.07	6,578.04	6,543.18	34.86	188.677		
4,300.00	4,211.32	4,203.32	4,203.32	21.65	15.09	139.48	-1,937.06	-5,669.77	6,594.44	6,558.65	35.79	184.259		
4,400.00	4,308.84	4,303.84	4,303.84	22.17	15.53	139.68	-1,927.93	-5,671.46	6,610.92	6,574.20	36.71	180.063		
4,500.00	4,406.36	4,403.19	4,403.19	22.69	15.98	139.88	-1,918.79	-5,673.16	6,627.48	6,589.84	37.64	176.071		
4,600.00	4,503.88	4,503.97	4,503.97	23.21	16.42	140.08	-1,909.65	-5,674.85	6,644.12	6,605.56	38.57	172.270		
4,700.00	4,601.40	4,606.75	4,606.75	23.73	16.86	140.28	-1,900.51	-5,676.54	6,660.85	6,621.36	39.50	168.648		
4,800.00	4,698.92	4,722.54	4,722.54	24.26	17.31	140.47	-1,891.38	-5,678.24	6,677.66	6,637.24	40.42	165.192		
4,900.00	4,796.43	4,818.32	4,818.32	24.78	17.75	140.67	-1,882.24	-5,679.93	6,694.55	6,653.20	41.35	161.891		
5,000.00	4,893.95	4,914.10	4,914.10	25.30	18.20	140.87	-1,873.10	-5,681.63	6,711.52	6,669.24	42.28	158.735		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,004.82	4,991.59	25.82	18.62	141.04	-1,865.28	-5,683.08	6,728.60	6,685.42	43.18	155.829		
5,200.00	5,088.99	5,095.17	5,081.79	26.34	19.02	141.19	-1,860.22	-5,684.02	6,745.84	6,701.78	44.06	153.101		
5,300.00	5,186.51	5,186.55	5,173.14	26.87	19.41	141.32	-1,857.94	-5,684.44	6,763.21	6,718.27	44.93	150.522		
5,400.00	5,284.03	5,282.44	5,269.03	27.39	19.81	141.44	-1,857.82	-5,684.46	6,780.67	6,734.85	45.82	147.996		
5,500.00	5,381.55	5,379.96	5,366.55	27.91	20.21	141.55	-1,857.82	-5,684.46	6,798.16	6,751.45	46.71	145.544		
5,600.00	5,479.07	5,477.48	5,464.07	28.43	20.62	141.67	-1,857.82	-5,684.46	6,815.68	6,768.08	47.60	143.184		
5,700.00	5,576.58	5,575.00	5,561.58	28.96	21.02	141.78	-1,857.82	-5,684.46	6,833.22	6,784.73	48.49	140.910		
5,800.00	5,674.10	5,672.51	5,659.10	29.48	21.43	141.90	-1,857.82	-5,684.46	6,850.79	6,801.41	49.39	138.719		
5,900.00	5,771.62	5,770.03	5,756.62	30.00	21.84	142.01	-1,857.82	-5,684.46	6,868.39	6,818.11	50.28	136.606		
6,000.00	5,869.14	5,867.55	5,854.14	30.53	22.24	142.12	-1,857.82	-5,684.46	6,886.02	6,834.84	51.17	134.566		
6,100.00	5,966.66	5,965.07	5,951.66	31.05	22.65	142.23	-1,857.82	-5,684.46	6,903.67	6,851.60	52.07	132.597		
6,200.00	6,064.18	6,062.59	6,049.18	31.58	23.06	142.34	-1,857.82	-5,684.46	6,921.34	6,868.38	52.96	130.694		
6,300.00	6,161.70	6,160.11	6,146.70	32.10	23.47	142.45	-1,857.82	-5,684.46	6,939.04	6,885.19	53.85	128.854		
6,400.00	6,259.22	6,257.63	6,244.22	32.62	23.87	142.56	-1,857.82	-5,684.46	6,956.77	6,902.03	54.75	127.075		
6,500.00	6,356.74	6,355.15	6,341.74	33.15	24.28	142.67	-1,857.82	-5,684.46	6,974.52	6,918.88	55.64	125.353		
6,600.00	6,454.25	6,452.66	6,439.25	33.67	24.69	142.78	-1,857.82	-5,684.46	6,992.30	6,935.77	56.53	123.686		
6,623.48	6,477.15	6,475.56	6,462.15	33.80	24.78	142.81	-1,857.82	-5,684.46	6,996.48	6,939.74	56.74	123.303		
6,650.00	6,503.12	6,501.53	6,488.12	33.93	24.89	137.32	-1,857.82	-5,684.46	7,000.66	6,943.69	56.98	122.868		
6,700.00	6,552.50	6,550.92	6,537.50	34.16	25.10	118.55	-1,857.82	-5,684.46	7,005.63	6,948.22	57.41	122.026		
6,750.00	6,602.21	6,600.62	6,587.21	34.36	25.31	80.58	-1,857.82	-5,684.46	7,006.75	6,948.92	57.83	121.171		
6,800.00	6,651.92	6,650.22	6,646.76	34.54	25.12	41.57	-1,859.77	-5,684.46	7,004.95	6,947.20	57.75	121.301		
6,850.00	6,701.33	6,700.00	6,686.35	34.70	25.27	21.81	-1,863.64	-5,684.46	6,999.20	6,941.15	58.05	120.577		
6,900.00	6,750.14	6,750.00	6,735.16	34.86	25.27	12.16	-1,863.64	-5,684.46	6,989.69	6,931.55	58.14	120.215		
6,950.00	6,798.04	6,798.00	6,783.06	35.02	25.27	6.66	-1,863.64	-5,684.46	6,976.77	6,918.55	58.22	119.831		
7,000.00	6,844.75	6,833.22	6,819.22	35.19	25.37	3.03	-1,868.45	-5,684.46	6,960.28	6,901.86	58.42	119.139		
7,050.00	6,889.97	6,880.24	6,865.97	35.37	25.43	0.40	-1,871.47	-5,684.46	6,940.45	6,881.91	58.54	118.555		
7,100.00	6,933.42	6,923.67	6,909.17	35.57	25.48	-1.71	-1,874.71	-5,684.46	6,917.34	6,858.70	58.65	117.947		
7,150.00	6,974.83	6,970.00	6,955.00	35.79	25.58	-3.58	-1,882.42	-5,684.46	6,891.14	6,832.32	58.82	117.165		
7,200.00	7,013.96	7,010.00	6,995.00	36.02	25.58	-5.24	-1,882.42	-5,684.46	6,861.80	6,802.96	58.83	116.633		
7,250.00	7,050.56	7,050.00	7,035.00	36.28	25.58	-6.88	-1,882.42	-5,684.46	6,829.68	6,770.84	58.84	116.071		
7,300.00	7,084.39	7,080.00	7,064.39	36.57	25.58	-8.59	-1,882.42	-5,684.46	6,794.94	6,736.10	58.84	115.479		
7,350.00	7,115.27	7,113.67	7,101.67	36.89	25.68	-10.65	-1,891.61	-5,684.46	6,757.53	6,698.56	58.97	114.585		
7,400.00	7,142.99	7,143.71	7,128.46	37.25	25.70	-12.93	-1,894.63	-5,684.46	6,717.94	6,658.93	59.01	113.845		
7,450.00	7,167.38	7,162.49	7,147.80	37.65	25.73	-15.69	-1,897.37	-5,684.46	6,676.29	6,617.25	59.04	113.082		
7,500.00	7,188.30	7,189.98	7,174.89	38.08	25.75	-19.16	-1,899.78	-5,684.46	6,632.81	6,573.74	59.07	112.295		
7,550.00	7,205.61	7,206.14	7,191.71	38.55	25.77	-23.74	-1,901.82	-5,684.46	6,587.75	6,528.66	59.09	111.486		
7,600.00	7,219.20	7,220.96	7,205.25	39.06	25.78	-30.00	-1,903.45	-5,684.46	6,541.36	6,482.24	59.11	110.656		
7,650.00	7,229.00	7,230.00	7,214.36	39.61	25.86	-39.58	-1,913.85	-5,684.45	6,494.06	6,434.80	59.25	109.603		
7,700.00	7,234.95	7,235.00	7,219.36	40.18	25.86	-52.59	-1,913.85	-5,684.45	6,445.82	6,386.54	59.27	108.750		
7,750.00	7,237.00	7,237.00	7,221.36	40.78	25.86	-70.50	-1,913.85	-5,684.45	6,397.04	6,337.73	59.30	107.869		
7,800.00	7,237.09	7,237.00	7,221.36	41.41	25.86	-70.50	-1,913.85	-5,684.45	6,348.26	6,288.91	59.34	106.976		
7,900.00	7,237.28	7,237.00	7,221.36	42.79	25.86	-70.50	-1,913.85	-5,684.45	6,250.62	6,191.19	59.43	105.174		
8,000.00	7,237.47	7,237.00	7,221.36	44.31	25.86	-70.50	-1,913.85	-5,684.45	6,153.06	6,093.52	59.54	103.349		
8,100.00	7,237.65	7,237.00	7,221.36	45.97	25.86	-70.50	-1,913.85	-5,684.45	6,055.57	5,995.91	59.66	101.501		
8,200.00	7,237.84	7,237.00	7,221.36	47.75	25.86	-70.50	-1,913.85	-5,684.45	5,958.18	5,898.37	59.80	99.629		
8,300.00	7,238.02	7,237.00	7,221.36	49.63	25.86	-70.50	-1,913.85	-5,684.45	5,860.86	5,800.90	59.97	97.734		
8,400.00	7,238.21	7,237.00	7,221.36	51.61	25.86	-70.50	-1,913.85	-5,684.45	5,763.65	5,703.49	60.15	95.815		
8,500.00	7,238.40	7,237.00	7,221.36	53.66	25.86	-70.50	-1,913.85	-5,684.45	5,666.52	5,606.16	60.36	93.872		
8,600.00	7,238.58	7,237.00	7,221.36	55.79	25.86	-70.50	-1,913.85	-5,684.45	5,569.50	5,508.90	60.60	91.905		
8,700.00	7,238.77	7,237.00	7,221.36	57.99	25.86	-70.50	-1,913.85	-5,684.45	5,472.59	5,411.72	60.86	89.914		
8,800.00	7,238.96	7,237.00	7,221.36	60.24	25.86	-70.50	-1,913.85	-5,684.45	5,375.79	5,314.63	61.16	87.899		
8,900.00	7,239.14	7,237.00	7,221.36	62.54	25.86	-70.50	-1,913.85	-5,684.45	5,279.11	5,217.63	61.48	85.862		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,239.33	6,800.00	6,779.36	64.88	25.86	-70.50	-1,913.85	-5,684.45	5,182.55	5,120.71	61.84	83.802		
9,100.00	7,239.52	6,800.00	6,779.36	67.27	25.86	-70.50	-1,913.85	-5,684.45	5,086.13	5,023.89	62.24	81.721		
9,200.00	7,239.70	6,800.00	6,779.36	69.69	25.86	-70.50	-1,913.85	-5,684.45	4,989.85	4,927.18	62.67	79.619		
9,300.00	7,239.89	6,800.00	6,779.36	72.15	25.86	-70.50	-1,913.85	-5,684.45	4,893.72	4,830.57	63.15	77.497		
9,400.00	7,240.07	6,800.00	6,779.36	74.63	25.86	-70.50	-1,913.85	-5,684.45	4,797.75	4,734.08	63.67	75.357		
9,500.00	7,240.26	6,800.00	6,779.36	77.14	25.86	-70.50	-1,913.85	-5,684.45	4,701.94	4,637.71	64.23	73.201		
9,600.00	7,240.45	6,800.00	6,779.36	79.68	25.86	-70.50	-1,913.85	-5,684.45	4,606.31	4,541.46	64.85	71.031		
9,700.00	7,240.63	6,800.00	6,779.36	82.23	25.86	-70.50	-1,913.85	-5,684.45	4,510.88	4,445.36	65.52	68.848		
9,800.00	7,240.82	6,800.00	6,779.36	84.81	25.86	-70.50	-1,913.85	-5,684.45	4,415.64	4,349.39	66.25	66.654		
9,900.00	7,241.01	6,800.00	6,779.36	87.40	25.86	-70.50	-1,913.85	-5,684.45	4,320.62	4,253.58	67.03	64.453		
10,000.00	7,241.19	6,800.00	6,779.36	90.01	25.86	-70.50	-1,913.85	-5,684.45	4,225.83	4,157.94	67.89	62.248		
10,100.00	7,241.38	6,800.00	6,779.36	92.64	25.86	-70.50	-1,913.85	-5,684.45	4,131.28	4,062.47	68.81	60.040		
10,200.00	7,241.56	6,800.00	6,779.36	95.28	25.86	-70.50	-1,913.85	-5,684.45	4,037.00	3,967.20	69.80	57.833		
10,300.00	7,241.75	6,800.00	6,779.36	97.93	25.86	-70.50	-1,913.85	-5,684.45	3,943.00	3,872.12	70.88	55.631		
10,400.00	7,241.94	6,800.00	6,779.36	100.59	25.86	-70.50	-1,913.85	-5,684.45	3,849.30	3,777.27	72.04	53.436		
10,500.00	7,242.12	6,800.00	6,779.36	103.26	25.86	-70.50	-1,913.85	-5,684.45	3,755.93	3,682.65	73.28	51.254		
10,600.00	7,242.31	6,800.00	6,779.36	105.95	25.86	-70.50	-1,913.85	-5,684.45	3,662.91	3,588.28	74.62	49.086		
10,700.00	7,242.50	6,800.00	6,779.36	108.64	25.86	-70.50	-1,913.85	-5,684.45	3,570.26	3,494.20	76.06	46.938		
10,800.00	7,242.68	6,800.00	6,779.36	111.34	25.86	-70.50	-1,913.85	-5,684.45	3,478.02	3,400.41	77.61	44.812		
10,900.00	7,242.87	6,800.00	6,779.36	114.05	25.86	-70.50	-1,913.85	-5,684.45	3,386.22	3,306.95	79.28	42.714		
11,000.00	7,243.05	6,800.00	6,779.36	116.76	25.86	-70.50	-1,913.85	-5,684.45	3,294.90	3,213.84	81.06	40.646		
11,100.00	7,243.24	6,800.00	6,779.36	119.49	25.86	-70.50	-1,913.85	-5,684.45	3,204.10	3,121.12	82.98	38.612		
11,200.00	7,243.43	6,800.00	6,779.36	122.22	25.86	-70.50	-1,913.85	-5,684.45	3,113.86	3,028.82	85.04	36.617		
11,300.00	7,243.61	6,800.00	6,779.36	124.95	25.86	-70.50	-1,913.85	-5,684.45	3,024.24	2,936.99	87.25	34.663		
11,400.00	7,243.80	6,800.00	6,779.36	127.69	25.86	-70.50	-1,913.85	-5,684.45	2,935.28	2,845.67	89.61	32.756		
11,500.00	7,243.99	6,800.00	6,779.36	130.44	25.86	-70.50	-1,913.85	-5,684.45	2,847.06	2,754.92	92.15	30.897		
11,600.00	7,244.17	6,800.00	6,779.36	133.19	25.86	-70.50	-1,913.85	-5,684.45	2,759.65	2,664.78	94.86	29.090		
11,700.00	7,244.36	6,800.00	6,779.36	135.94	25.86	-70.50	-1,913.85	-5,684.45	2,673.11	2,575.34	97.78	27.339		
11,800.00	7,244.55	6,800.00	6,779.36	138.70	25.86	-70.50	-1,913.85	-5,684.45	2,587.55	2,486.65	100.89	25.647		
11,900.00	7,244.73	6,800.00	6,779.36	141.47	25.86	-70.50	-1,913.85	-5,684.45	2,503.05	2,398.82	104.23	24.015		
12,000.00	7,244.92	6,800.00	6,779.36	144.24	25.86	-70.50	-1,913.85	-5,684.45	2,419.74	2,311.94	107.80	22.447		
12,100.00	7,245.10	6,800.00	6,779.36	147.01	25.86	-70.50	-1,913.85	-5,684.45	2,337.74	2,226.13	111.61	20.945		
12,200.00	7,245.29	6,800.00	6,779.36	149.78	25.86	-70.50	-1,913.85	-5,684.45	2,257.19	2,141.50	115.69	19.511		
12,300.00	7,245.48	6,800.00	6,779.36	152.56	25.86	-70.50	-1,913.85	-5,684.45	2,178.25	2,058.22	120.04	18.147		
12,400.00	7,245.66	6,800.00	6,779.36	155.34	25.86	-70.50	-1,913.85	-5,684.45	2,101.11	1,976.44	124.66	16.854		
12,500.00	7,245.85	6,800.00	6,779.36	158.12	25.86	-70.50	-1,913.85	-5,684.45	2,025.96	1,896.38	129.58	15.634		
12,600.00	7,246.04	6,800.00	6,779.36	160.91	25.86	-70.50	-1,913.85	-5,684.45	1,953.05	1,818.25	134.80	14.489		
12,700.00	7,246.22	6,800.00	6,779.36	163.70	25.86	-70.50	-1,913.85	-5,684.45	1,882.63	1,742.32	140.30	13.418		
12,800.00	7,246.41	6,800.00	6,779.36	166.49	25.86	-70.50	-1,913.85	-5,684.45	1,814.98	1,668.89	146.09	12.424		
12,900.00	7,246.59	6,800.00	6,779.36	169.28	25.86	-70.50	-1,913.85	-5,684.45	1,750.44	1,598.29	152.15	11.505		
13,000.00	7,246.78	6,800.00	6,779.36	172.08	25.86	-70.50	-1,913.85	-5,684.45	1,689.35	1,530.92	158.43	10.663		
13,100.00	7,246.97	6,800.00	6,779.36	174.88	25.86	-70.50	-1,913.85	-5,684.45	1,632.11	1,467.21	164.90	9.897		
13,200.00	7,247.15	6,800.00	6,779.36	177.68	25.86	-70.50	-1,913.85	-5,684.45	1,579.13	1,407.65	171.49	9.208		
13,300.00	7,247.34	6,800.00	6,779.36	180.48	25.86	-70.50	-1,913.85	-5,684.45	1,530.86	1,352.76	178.11	8.595		
13,400.00	7,247.53	6,800.00	6,779.36	183.28	25.86	-70.50	-1,913.85	-5,684.45	1,487.76	1,303.11	184.65	8.057		
13,500.00	7,247.71	6,800.00	6,779.36	186.09	25.86	-70.50	-1,913.85	-5,684.45	1,450.27	1,259.30	190.98	7.594		
13,600.00	7,247.90	6,800.00	6,779.36	188.90	25.86	-70.50	-1,913.85	-5,684.45	1,418.86	1,221.91	196.95	7.204		
13,700.00	7,248.08	6,800.00	6,779.36	191.70	25.86	-70.50	-1,913.85	-5,684.45	1,393.93	1,191.51	202.42	6.886		
13,800.00	7,248.27	6,800.00	6,779.36	194.52	25.86	-70.50	-1,913.85	-5,684.45	1,375.84	1,168.60	207.23	6.639		
13,900.00	7,248.46	6,800.00	6,779.36	197.33	25.86	-70.50	-1,913.85	-5,684.45	1,364.84	1,153.59	211.25	6.461		
14,000.00	7,248.64	6,800.00	6,779.36	200.14	25.86	-70.50	-1,913.85	-5,684.45	1,361.13	1,146.76	214.37	6.349		
14,000.62	7,248.64	6,800.00	6,779.36	200.16	25.86	-70.50	-1,913.85	-5,684.45	1,361.13	1,146.74	214.39	6.349 CC, ES		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	6,800.00	6,779.36	202.95	25.86	-70.50	-1,913.85	-5,684.45	1,364.75	1,148.23	216.53	6.303 SF		
14,200.00	7,249.02	6,800.00	6,779.36	205.77	25.86	-70.50	-1,913.85	-5,684.45	1,375.66	1,157.96	217.70	6.319		
14,300.00	7,249.20	6,800.00	6,779.36	208.59	25.86	-70.50	-1,913.85	-5,684.45	1,393.67	1,175.76	217.91	6.396		
14,400.00	7,249.39	6,800.00	6,779.36	211.41	25.86	-70.50	-1,913.85	-5,684.45	1,418.51	1,201.28	217.23	6.530		
14,500.00	7,249.58	6,800.00	6,779.36	214.23	25.86	-70.50	-1,913.85	-5,684.45	1,449.85	1,234.09	215.76	6.720		
14,600.00	7,249.76	6,800.00	6,779.36	217.05	25.86	-70.50	-1,913.85	-5,684.45	1,487.26	1,273.64	213.62	6.962		
14,700.00	7,249.95	6,800.00	6,779.36	219.87	25.86	-70.50	-1,913.85	-5,684.45	1,530.30	1,319.36	210.93	7.255		
14,800.00	7,250.13	6,800.00	6,779.36	222.69	25.86	-70.50	-1,913.85	-5,684.45	1,578.51	1,370.68	207.82	7.595		
14,900.00	7,250.32	6,800.00	6,779.36	225.51	25.86	-70.50	-1,913.85	-5,684.45	1,631.43	1,427.02	204.41	7.981		
15,000.00	7,250.51	6,800.00	6,779.36	228.34	25.86	-70.50	-1,913.85	-5,684.45	1,688.62	1,487.83	200.79	8.410		
15,100.00	7,250.69	6,800.00	6,779.36	231.16	25.86	-70.50	-1,913.85	-5,684.45	1,749.66	1,552.61	197.05	8.879		
15,200.00	7,250.88	6,800.00	6,779.36	233.99	25.86	-70.50	-1,913.85	-5,684.45	1,814.16	1,620.90	193.26	9.387		
15,300.00	7,251.07	6,800.00	6,779.36	236.82	25.86	-70.50	-1,913.85	-5,684.45	1,881.77	1,692.29	189.49	9.931		
15,400.00	7,251.25	6,800.00	6,779.36	239.65	25.86	-70.50	-1,913.85	-5,684.45	1,952.16	1,766.41	185.76	10.509		
15,500.00	7,251.44	6,800.00	6,779.36	242.47	25.86	-70.50	-1,913.85	-5,684.45	2,025.05	1,842.94	182.11	11.120		
15,600.00	7,251.62	6,800.00	6,779.36	245.30	25.86	-70.50	-1,913.85	-5,684.45	2,100.17	1,921.59	178.57	11.761		
15,700.00	7,251.81	6,800.00	6,779.36	248.13	25.86	-70.50	-1,913.85	-5,684.45	2,177.29	2,002.13	175.15	12.431		
15,800.00	7,252.00	6,800.00	6,779.36	250.97	25.86	-70.50	-1,913.85	-5,684.45	2,256.20	2,084.34	171.87	13.128		
15,900.00	7,252.18	6,800.00	6,779.36	253.80	25.86	-70.50	-1,913.85	-5,684.45	2,336.73	2,168.02	168.71	13.850		
16,000.00	7,252.37	6,800.00	6,779.36	256.63	25.86	-70.50	-1,913.85	-5,684.45	2,418.72	2,253.02	165.70	14.597		
16,100.00	7,252.56	6,800.00	6,779.36	259.46	25.86	-70.50	-1,913.85	-5,684.45	2,502.02	2,339.19	162.82	15.367		
16,200.00	7,252.74	6,800.00	6,779.36	262.30	25.86	-70.50	-1,913.85	-5,684.45	2,586.49	2,426.42	160.08	16.158		
16,300.00	7,252.93	6,800.00	6,779.36	265.13	25.86	-70.50	-1,913.85	-5,684.45	2,672.05	2,514.58	157.47	16.969		
16,400.00	7,253.11	6,800.00	6,779.36	267.96	25.86	-70.50	-1,913.85	-5,684.45	2,758.57	2,603.59	154.98	17.799		
16,500.00	7,253.30	6,800.00	6,779.36	270.80	25.86	-70.50	-1,913.85	-5,684.45	2,845.98	2,693.36	152.62	18.648		
16,600.00	7,253.49	6,800.00	6,779.36	273.64	25.86	-70.50	-1,913.85	-5,684.45	2,934.19	2,783.82	150.37	19.514		
16,700.00	7,253.67	6,800.00	6,779.36	276.47	25.86	-70.50	-1,913.85	-5,684.45	3,023.13	2,874.91	148.23	20.395		
16,800.00	7,253.86	6,800.00	6,779.36	279.31	25.86	-70.50	-1,913.85	-5,684.45	3,112.75	2,966.56	146.19	21.292		
16,900.00	7,254.05	6,800.00	6,779.36	282.15	25.86	-70.50	-1,913.85	-5,684.45	3,202.98	3,058.72	144.26	22.203		
17,000.00	7,254.23	6,800.00	6,779.36	284.98	25.86	-70.50	-1,913.85	-5,684.45	3,293.78	3,151.36	142.42	23.128		
17,100.00	7,254.42	6,800.00	6,779.36	287.82	25.86	-70.50	-1,913.85	-5,684.45	3,385.09	3,244.43	140.66	24.065		
17,200.00	7,254.61	6,800.00	6,779.36	290.66	25.86	-70.50	-1,913.85	-5,684.45	3,476.88	3,337.89	138.99	25.014		
17,300.00	7,254.79	6,800.00	6,779.36	293.50	25.86	-70.50	-1,913.85	-5,684.45	3,569.12	3,431.71	137.40	25.975		
17,400.00	7,254.98	6,800.00	6,779.36	296.34	25.86	-70.50	-1,913.85	-5,684.45	3,661.76	3,525.87	135.89	26.947		
17,500.00	7,255.16	6,800.00	6,779.36	299.18	25.86	-70.50	-1,913.85	-5,684.45	3,754.78	3,620.33	134.44	27.928		
17,600.00	7,255.35	6,800.00	6,779.36	302.02	25.86	-70.50	-1,913.85	-5,684.45	3,848.15	3,715.08	133.07	28.919		
17,700.00	7,255.54	6,800.00	6,779.36	304.86	25.86	-70.50	-1,913.85	-5,684.45	3,941.84	3,810.09	131.75	29.919		
17,800.00	7,255.72	6,800.00	6,779.36	307.70	25.86	-70.50	-1,913.85	-5,684.45	4,035.84	3,905.34	130.49	30.928		
17,900.00	7,255.91	6,800.00	6,779.36	310.54	25.86	-70.50	-1,913.85	-5,684.45	4,130.12	4,000.82	129.29	31.944		
18,000.00	7,256.10	6,800.00	6,779.36	313.39	25.86	-70.50	-1,913.85	-5,684.45	4,224.66	4,096.51	128.14	32.968		
18,100.00	7,256.28	6,800.00	6,779.36	316.23	25.86	-70.50	-1,913.85	-5,684.45	4,319.45	4,192.40	127.05	33.999		
18,200.00	7,256.47	6,800.00	6,779.36	319.07	25.86	-70.50	-1,913.85	-5,684.45	4,414.46	4,288.47	126.00	35.036		
18,300.00	7,256.65	6,800.00	6,779.36	321.91	25.86	-70.50	-1,913.85	-5,684.45	4,509.70	4,384.70	124.99	36.080		
18,400.00	7,256.84	6,800.00	6,779.36	324.76	25.86	-70.50	-1,913.85	-5,684.45	4,605.13	4,481.10	124.03	37.130		
18,500.00	7,257.03	6,800.00	6,779.36	327.60	25.86	-70.50	-1,913.85	-5,684.45	4,700.76	4,577.65	123.11	38.185		
18,600.00	7,257.21	6,800.00	6,779.36	330.44	25.86	-70.50	-1,913.85	-5,684.45	4,796.56	4,674.34	122.22	39.245		
18,700.00	7,257.40	6,800.00	6,779.36	333.29	25.86	-70.50	-1,913.85	-5,684.45	4,892.53	4,771.16	121.37	40.310		
18,800.00	7,257.59	6,800.00	6,779.36	336.13	25.86	-70.50	-1,913.85	-5,684.45	4,988.66	4,868.10	120.56	41.380		
18,900.00	7,257.77	6,800.00	6,779.36	338.98	25.86	-70.50	-1,913.85	-5,684.45	5,084.94	4,965.16	119.78	42.454		
19,000.00	7,257.96	6,800.00	6,779.36	341.82	25.86	-70.50	-1,913.85	-5,684.45	5,181.36	5,062.33	119.03	43.531		
19,022.43	7,258.00	6,800.00	6,779.36	342.46	25.86	-70.50	-1,913.85	-5,684.45	5,203.00	5,084.14	118.86	43.774		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-11.05	1,418.61	-276.97	1,448.44					
100.00	100.00	6.00	6.00	3.28	3.28	-11.05	1,418.61	-276.97	1,445.39	1,438.83	6.57	220.120		
200.00	200.00	106.00	106.00	3.34	3.82	-11.05	1,418.61	-276.97	1,445.39	1,438.24	7.16	201.999		
300.00	300.00	206.00	206.00	3.44	6.36	-11.05	1,418.61	-276.97	1,445.39	1,435.59	9.80	147.454 CC		
400.00	399.98	305.98	305.98	3.60	9.52	-127.09	1,418.61	-276.97	1,446.44	1,433.33	13.12	110.270		
500.00	499.84	405.84	405.84	3.79	12.85	-127.20	1,418.61	-276.97	1,449.61	1,432.97	16.64	87.113 ES		
600.00	599.45	505.45	505.45	4.03	16.23	-127.39	1,418.61	-276.97	1,454.90	1,434.64	20.26	71.801		
700.00	698.70	604.70	604.70	4.30	19.64	-127.65	1,418.61	-276.97	1,462.36	1,438.42	23.94	61.082		
800.00	797.47	703.47	703.47	4.61	23.05	-127.97	1,418.61	-276.97	1,472.02	1,444.37	27.65	53.233		
900.00	895.62	801.62	801.62	4.96	26.44	-128.36	1,418.61	-276.97	1,483.95	1,452.57	31.38	47.284		
939.50	934.20	840.20	840.20	5.10	27.78	-128.53	1,418.61	-276.97	1,489.30	1,456.44	32.86	45.320		
1,000.00	993.20	900.80	899.20	5.33	29.88	-128.92	1,418.61	-276.97	1,497.80	1,462.62	35.18	42.571		
1,100.00	1,090.72	1,003.28	996.72	5.73	33.44	-129.57	1,418.61	-276.97	1,512.02	1,472.90	39.12	38.651		
1,200.00	1,188.24	1,105.76	1,094.24	6.15	37.00	-130.20	1,418.61	-276.97	1,526.42	1,483.35	43.08	35.435		
1,300.00	1,285.76	1,208.24	1,191.76	6.59	40.57	-130.82	1,418.61	-276.97	1,541.01	1,493.96	47.05	32.754		
1,400.00	1,383.28	1,289.28	1,289.28	7.04	43.39	-131.42	1,418.61	-276.97	1,555.78	1,505.49	50.29	30.938		
1,500.00	1,480.80	1,386.80	1,386.80	7.50	46.78	-132.02	1,418.61	-276.97	1,570.72	1,516.61	54.11	29.029		
1,600.00	1,578.31	1,484.31	1,484.31	7.96	50.18	-132.61	1,418.61	-276.97	1,585.82	1,527.89	57.94	27.371		
1,700.00	1,675.83	1,581.83	1,581.83	8.44	53.58	-133.18	1,418.61	-276.97	1,601.09	1,539.32	61.77	25.919		
1,800.00	1,773.35	1,679.35	1,679.35	8.92	56.98	-133.75	1,418.61	-276.97	1,616.52	1,550.91	65.61	24.637		
1,900.00	1,870.87	1,776.87	1,776.87	9.40	60.37	-134.30	1,418.61	-276.97	1,632.11	1,562.65	69.46	23.497		
2,000.00	1,968.39	1,874.39	1,874.39	9.89	63.77	-134.85	1,418.61	-276.97	1,647.84	1,574.53	73.31	22.478		
2,100.00	2,065.91	1,971.91	1,971.91	10.39	67.17	-135.38	1,418.61	-276.97	1,663.72	1,586.56	77.16	21.561		
2,200.00	2,163.43	2,069.43	2,069.43	10.88	70.57	-135.90	1,418.61	-276.97	1,679.74	1,598.73	81.02	20.733		
2,300.00	2,260.95	2,166.95	2,166.95	11.38	73.98	-136.42	1,418.61	-276.97	1,695.90	1,611.03	84.87	19.981		
2,400.00	2,358.46	2,264.46	2,264.46	11.89	77.38	-136.92	1,418.61	-276.97	1,712.20	1,623.46	88.73	19.296		
2,500.00	2,455.98	2,361.98	2,361.98	12.39	80.78	-137.42	1,418.61	-276.97	1,728.62	1,636.03	92.59	18.669		
2,600.00	2,553.50	2,459.50	2,459.50	12.89	84.18	-137.91	1,418.61	-276.97	1,745.17	1,648.71	96.46	18.093		
2,700.00	2,651.02	2,557.02	2,557.02	13.40	87.58	-138.38	1,418.61	-276.97	1,761.84	1,661.52	100.32	17.562		
2,800.00	2,748.54	2,654.54	2,654.54	13.91	90.98	-138.85	1,418.61	-276.97	1,778.63	1,674.45	104.18	17.072		
2,900.00	2,846.06	2,752.06	2,752.06	14.42	94.39	-139.31	1,418.61	-276.97	1,795.54	1,687.49	108.05	16.618		
3,000.00	2,943.58	2,849.58	2,849.58	14.93	97.79	-139.76	1,418.61	-276.97	1,812.56	1,700.65	111.91	16.196		
3,100.00	3,041.10	2,947.10	2,947.10	15.45	101.19	-140.21	1,418.61	-276.97	1,829.69	1,713.91	115.78	15.804		
3,200.00	3,138.61	3,044.61	3,044.61	15.96	104.59	-140.64	1,418.61	-276.97	1,846.92	1,727.28	119.64	15.437		
3,300.00	3,236.13	3,142.13	3,142.13	16.47	108.00	-141.07	1,418.61	-276.97	1,864.26	1,740.75	123.51	15.094		
3,400.00	3,333.65	3,239.65	3,239.65	16.99	111.40	-141.49	1,418.61	-276.97	1,881.70	1,754.33	127.38	14.773		
3,500.00	3,431.17	3,337.17	3,337.17	17.50	114.80	-141.90	1,418.61	-276.97	1,899.24	1,768.00	131.24	14.471		
3,600.00	3,528.69	3,434.69	3,434.69	18.02	118.21	-142.31	1,418.61	-276.97	1,916.88	1,781.76	135.11	14.187		
3,700.00	3,626.21	3,532.21	3,532.21	18.54	121.61	-142.70	1,418.61	-276.97	1,934.60	1,795.62	138.98	13.920		
3,800.00	3,723.73	3,629.73	3,629.73	19.06	125.01	-143.09	1,418.61	-276.97	1,952.42	1,809.57	142.85	13.668		
3,900.00	3,821.25	3,727.25	3,727.25	19.57	128.41	-143.48	1,418.61	-276.97	1,970.32	1,823.61	146.71	13.430		
4,000.00	3,918.77	3,824.77	3,824.77	20.09	131.82	-143.85	1,418.61	-276.97	1,988.31	1,837.73	150.58	13.204		
4,100.00	4,016.28	3,922.28	3,922.28	20.61	135.22	-144.22	1,418.61	-276.97	2,006.38	1,851.93	154.45	12.991		
4,200.00	4,113.80	4,019.80	4,019.80	21.13	138.62	-144.59	1,418.61	-276.97	2,024.53	1,866.22	158.32	12.788		
4,300.00	4,211.32	4,117.32	4,117.32	21.65	142.03	-144.94	1,418.61	-276.97	2,042.76	1,880.58	162.18	12.595		
4,400.00	4,308.84	4,214.84	4,214.84	22.17	145.43	-145.29	1,418.61	-276.97	2,061.07	1,895.02	166.05	12.412		
4,500.00	4,406.36	4,312.36	4,312.36	22.69	148.84	-145.64	1,418.61	-276.97	2,079.45	1,909.54	169.92	12.238		
4,600.00	4,503.88	4,409.88	4,409.88	23.21	152.24	-145.98	1,418.61	-276.97	2,097.91	1,924.12	173.79	12.072		
4,700.00	4,601.40	4,507.40	4,507.40	23.73	155.64	-146.31	1,418.61	-276.97	2,116.43	1,938.78	177.65	11.913		
4,800.00	4,698.92	4,604.92	4,604.92	24.26	159.05	-146.64	1,418.61	-276.97	2,135.03	1,953.51	181.52	11.762		
4,900.00	4,796.43	4,702.43	4,702.43	24.78	162.45	-146.96	1,418.61	-276.97	2,153.69	1,968.30	185.39	11.617		
5,000.00	4,893.95	4,800.05	4,799.95	25.30	165.86	-147.27	1,418.61	-276.97	2,172.42	1,983.15	189.26	11.478		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,902.53	4,897.47	25.82	169.43	-147.58	1,418.61	-276.97	2,191.21	1,997.90	193.30	11.336		
5,200.00	5,088.99	5,005.01	4,994.99	26.34	173.01	-147.89	1,418.61	-276.97	2,210.06	2,012.71	197.34	11.199		
5,300.00	5,186.51	5,107.49	5,092.51	26.87	176.59	-148.19	1,418.61	-276.97	2,228.97	2,027.59	201.38	11.068		
5,400.00	5,284.03	5,209.97	5,190.03	27.39	180.16	-148.49	1,418.61	-276.97	2,247.94	2,042.52	205.43	10.943		
5,500.00	5,381.55	5,287.55	5,287.55	27.91	182.87	-148.78	1,418.61	-276.97	2,266.97	2,058.37	208.60	10.868		
5,600.00	5,479.07	5,385.07	5,385.07	28.43	186.28	-149.06	1,418.61	-276.97	2,286.06	2,073.59	212.47	10.760		
5,700.00	5,576.58	5,482.58	5,482.58	28.96	189.68	-149.34	1,418.61	-276.97	2,305.20	2,088.86	216.33	10.656		
5,800.00	5,674.10	5,580.10	5,580.10	29.48	193.08	-149.62	1,418.61	-276.97	2,324.39	2,104.19	220.20	10.556		
5,900.00	5,771.62	5,677.62	5,677.62	30.00	196.49	-149.89	1,418.61	-276.97	2,343.63	2,119.56	224.07	10.459		
6,000.00	5,869.14	5,775.14	5,775.14	30.53	199.89	-150.16	1,418.61	-276.97	2,362.93	2,134.99	227.94	10.367		
6,100.00	5,966.66	5,872.66	5,872.66	31.05	203.30	-150.42	1,418.61	-276.97	2,382.27	2,150.47	231.80	10.277		
6,200.00	6,064.18	5,970.18	5,970.18	31.58	206.70	-150.68	1,418.61	-276.97	2,401.67	2,165.99	235.67	10.191		
6,300.00	6,161.70	6,067.70	6,067.70	32.10	210.10	-150.94	1,418.61	-276.97	2,421.11	2,181.57	239.54	10.107		
6,400.00	6,259.22	6,165.22	6,165.22	32.62	213.51	-151.19	1,418.61	-276.97	2,440.59	2,197.18	243.41	10.027		
6,500.00	6,356.74	6,262.74	6,262.74	33.15	216.91	-151.43	1,418.61	-276.97	2,460.12	2,212.85	247.28	9.949		
6,600.00	6,454.25	6,360.25	6,360.25	33.67	220.32	-151.68	1,418.61	-276.97	2,479.70	2,228.55	251.14	9.874		
6,623.48	6,477.15	6,383.15	6,383.15	33.80	221.12	-151.73	1,418.61	-276.97	2,484.30	2,232.25	252.05	9.856		
6,650.00	6,503.12	6,409.12	6,409.12	33.93	222.02	-157.74	1,418.61	-276.97	2,489.18	2,236.11	253.08	9.836		
6,700.00	6,552.50	6,458.50	6,458.50	34.16	223.75	-177.23	1,418.61	-276.97	2,496.66	2,241.64	255.02	9.790		
6,750.00	6,602.21	6,508.21	6,508.21	34.36	225.48	144.39	1,418.61	-276.97	2,501.83	2,244.87	256.96	9.736		
6,800.00	6,651.92	6,557.92	6,557.92	34.54	227.22	105.36	1,418.61	-276.97	2,504.65	2,245.77	258.89	9.675		
6,850.00	6,701.33	6,607.33	6,607.33	34.70	228.94	85.84	1,418.61	-276.97	2,505.14	2,244.35	260.79	9.606		
6,900.00	6,750.14	6,656.14	6,656.14	34.86	230.64	76.73	1,418.61	-276.97	2,503.32	2,240.64	262.68	9.530		
6,950.00	6,798.04	6,704.04	6,704.04	35.02	232.32	72.06	1,418.61	-276.97	2,499.24	2,234.71	264.53	9.448		
7,000.00	6,844.75	6,750.75	6,750.75	35.19	233.95	69.60	1,418.61	-276.97	2,492.96	2,226.63	266.34	9.360		
7,050.00	6,889.97	6,804.03	6,795.97	35.37	235.81	68.43	1,418.61	-276.97	2,484.60	2,216.22	268.38	9.258		
7,100.00	6,933.42	6,839.42	6,839.42	35.57	237.04	68.12	1,418.61	-276.97	2,474.27	2,204.46	269.81	9.171		
7,150.00	6,974.83	6,880.83	6,880.83	35.79	238.49	68.42	1,418.61	-276.97	2,462.10	2,190.65	271.45	9.070		
7,200.00	7,013.96	6,919.96	6,919.96	36.02	239.85	69.19	1,418.61	-276.97	2,448.27	2,175.23	273.04	8.967		
7,250.00	7,050.56	6,956.56	6,956.56	36.28	241.13	70.34	1,418.61	-276.97	2,432.93	2,158.37	274.56	8.861		
7,300.00	7,084.39	7,009.61	6,990.39	36.57	242.98	71.80	1,418.61	-276.97	2,416.28	2,139.59	276.69	8.733		
7,350.00	7,115.27	7,021.27	7,021.27	36.89	243.39	73.50	1,418.61	-276.97	2,398.52	2,121.11	277.40	8.646		
7,400.00	7,142.99	7,048.99	7,048.99	37.25	244.36	75.40	1,418.61	-276.97	2,379.84	2,101.12	278.72	8.538		
7,450.00	7,167.38	7,073.38	7,073.38	37.65	245.21	77.43	1,418.61	-276.97	2,360.47	2,080.49	279.98	8.431		
7,500.00	7,188.30	7,105.70	7,094.30	38.08	246.34	79.56	1,418.61	-276.97	2,340.60	2,059.04	281.56	8.313		
7,550.00	7,205.61	7,111.61	7,111.61	38.55	246.54	81.73	1,418.61	-276.97	2,320.45	2,038.18	282.27	8.221		
7,600.00	7,219.20	7,125.20	7,125.20	39.06	247.02	83.89	1,418.61	-276.97	2,300.21	2,016.91	283.30	8.119		
7,650.00	7,229.00	7,135.00	7,135.00	39.61	247.36	86.00	1,418.61	-276.97	2,280.08	1,995.83	284.26	8.021		
7,700.00	7,234.95	7,140.95	7,140.95	40.18	247.57	88.03	1,418.61	-276.97	2,260.24	1,975.11	285.12	7.927		
7,750.07	7,237.00	7,143.00	7,143.00	40.78	247.64	89.96	1,418.61	-276.97	2,240.82	1,954.92	285.89	7.838		
7,800.00	7,237.09	7,143.09	7,143.09	41.41	247.64	89.96	1,418.61	-276.97	2,222.20	1,935.56	286.64	7.753		
7,900.00	7,237.28	7,143.28	7,143.28	42.79	247.65	89.96	1,418.61	-276.97	2,187.87	1,899.58	288.29	7.589		
8,000.00	7,237.47	7,143.47	7,143.47	44.31	247.66	89.97	1,418.61	-276.97	2,157.63	1,867.51	290.12	7.437		
8,100.00	7,237.65	7,143.65	7,143.65	45.97	247.66	89.97	1,418.61	-276.97	2,131.65	1,839.55	292.11	7.298		
8,200.00	7,237.84	7,143.84	7,143.84	47.75	247.67	89.98	1,418.61	-276.97	2,110.10	1,815.88	294.23	7.172		
8,300.00	7,238.02	7,144.02	7,144.02	49.63	247.67	89.98	1,418.61	-276.97	2,093.12	1,796.67	296.45	7.061		
8,400.00	7,238.21	7,144.21	7,144.21	51.61	247.68	89.99	1,418.61	-276.97	2,080.80	1,782.06	298.74	6.965		
8,500.00	7,238.40	7,144.40	7,144.40	53.66	247.69	89.99	1,418.61	-276.97	2,073.24	1,772.18	301.06	6.887		
8,600.00	7,238.58	7,144.58	7,144.58	55.79	247.69	90.00	1,418.61	-276.97	2,070.49	1,767.11	303.38	6.825		
8,607.03	7,238.60	7,144.60	7,144.60	55.95	247.69	90.00	1,418.61	-276.97	2,070.47	1,766.93	303.55	6.821		
8,700.00	7,238.77	7,144.77	7,144.77	57.99	247.70	90.00	1,418.61	-276.97	2,072.56	1,766.88	305.68	6.780		
8,800.00	7,238.96	7,144.96	7,144.96	60.24	247.71	90.01	1,418.61	-276.97	2,079.45	1,771.53	307.92	6.753		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,145.14	7,145.14	62.54	247.71	90.02	1,418.61	-276.97	2,091.10	1,781.01	310.08	6.744 SF		
9,000.00	7,239.33	7,145.33	7,145.33	64.88	247.72	90.02	1,418.61	-276.97	2,107.44	1,795.29	312.15	6.751		
9,100.00	7,239.52	7,145.52	7,145.52	67.27	247.73	90.03	1,418.61	-276.97	2,128.35	1,814.25	314.10	6.776		
9,200.00	7,239.70	7,145.70	7,145.70	69.69	247.73	90.03	1,418.61	-276.97	2,153.71	1,837.78	315.93	6.817		
9,300.00	7,239.89	7,145.89	7,145.89	72.15	247.74	90.04	1,418.61	-276.97	2,183.36	1,865.74	317.62	6.874		
9,400.00	7,240.07	7,146.07	7,146.07	74.63	247.75	90.04	1,418.61	-276.97	2,217.13	1,897.95	319.18	6.946		
9,500.00	7,240.26	7,146.26	7,146.26	77.14	247.75	90.05	1,418.61	-276.97	2,254.83	1,934.23	320.60	7.033		
9,600.00	7,240.45	7,146.45	7,146.45	79.68	247.76	90.05	1,418.61	-276.97	2,296.27	1,974.38	321.88	7.134		
9,700.00	7,240.63	7,146.63	7,146.63	82.23	247.77	90.06	1,418.61	-276.97	2,341.25	2,018.21	323.04	7.248		
9,800.00	7,240.82	7,146.82	7,146.82	84.81	247.77	90.06	1,418.61	-276.97	2,389.57	2,065.50	324.07	7.374		
9,900.00	7,241.01	7,147.01	7,147.01	87.40	247.78	90.07	1,418.61	-276.97	2,441.03	2,116.05	324.98	7.511		
10,000.00	7,241.19	7,147.19	7,147.19	90.01	247.79	90.07	1,418.61	-276.97	2,495.44	2,169.66	325.78	7.660		
10,100.00	7,241.38	7,147.38	7,147.38	92.64	247.79	90.08	1,418.61	-276.97	2,552.61	2,226.12	326.48	7.818		
10,200.00	7,241.56	7,147.56	7,147.56	95.28	247.80	90.08	1,418.61	-276.97	2,612.36	2,285.26	327.09	7.987		
10,300.00	7,241.75	7,147.75	7,147.75	97.93	247.80	90.09	1,418.61	-276.97	2,674.51	2,346.89	327.62	8.163		
10,400.00	7,241.94	7,147.94	7,147.94	100.59	247.81	90.09	1,418.61	-276.97	2,738.90	2,410.84	328.07	8.349		
10,500.00	7,242.12	7,148.12	7,148.12	103.26	247.82	90.10	1,418.61	-276.97	2,805.39	2,476.94	328.45	8.541		
10,600.00	7,242.31	7,148.31	7,148.31	105.95	247.82	90.10	1,418.61	-276.97	2,873.81	2,545.04	328.77	8.741		
10,700.00	7,242.50	7,148.50	7,148.50	108.64	247.83	90.11	1,418.61	-276.97	2,944.04	2,615.01	329.03	8.948		
10,800.00	7,242.68	7,148.68	7,148.68	111.34	247.84	90.11	1,418.61	-276.97	3,015.95	2,686.70	329.25	9.160		
10,900.00	7,242.87	7,148.87	7,148.87	114.05	247.84	90.12	1,418.61	-276.97	3,089.43	2,760.01	329.42	9.378		
11,000.00	7,243.05	7,149.05	7,149.05	116.76	247.85	90.12	1,418.61	-276.97	3,164.36	2,834.80	329.56	9.602		
11,100.00	7,243.24	7,149.24	7,149.24	119.49	247.86	90.13	1,418.61	-276.97	3,240.64	2,910.98	329.66	9.830		
11,200.00	7,243.43	7,149.43	7,149.43	122.22	247.86	90.13	1,418.61	-276.97	3,318.18	2,988.45	329.73	10.063		
11,300.00	7,243.61	7,149.61	7,149.61	124.95	247.87	90.14	1,418.61	-276.97	3,396.90	3,067.12	329.78	10.301		
11,400.00	7,243.80	7,149.80	7,149.80	127.69	247.88	90.14	1,418.61	-276.97	3,476.71	3,146.91	329.80	10.542		
11,500.00	7,243.99	7,149.99	7,149.99	130.44	247.88	90.15	1,418.61	-276.97	3,557.54	3,227.73	329.81	10.787		
11,600.00	7,244.17	7,150.17	7,150.17	133.19	247.89	90.15	1,418.61	-276.97	3,639.33	3,309.52	329.80	11.035		
11,700.00	7,244.36	7,150.36	7,150.36	135.94	247.90	90.16	1,418.61	-276.97	3,722.00	3,392.22	329.78	11.286		
11,800.00	7,244.55	7,150.55	7,150.55	138.70	247.90	90.16	1,418.61	-276.97	3,805.51	3,475.77	329.74	11.541		
11,900.00	7,244.73	7,150.73	7,150.73	141.47	247.91	90.17	1,418.61	-276.97	3,889.79	3,560.10	329.69	11.798		
12,000.00	7,244.92	7,150.92	7,150.92	144.24	247.92	90.17	1,418.61	-276.97	3,974.80	3,645.16	329.64	12.058		
12,100.00	7,245.10	7,151.10	7,151.10	147.01	247.92	90.18	1,418.61	-276.97	4,060.50	3,730.92	329.58	12.320		
12,200.00	7,245.29	7,151.29	7,151.29	149.78	247.93	90.19	1,418.61	-276.97	4,146.84	3,817.33	329.51	12.585		
12,300.00	7,245.48	7,151.48	7,151.48	152.56	247.93	90.19	1,418.61	-276.97	4,233.77	3,904.34	329.43	12.852		
12,400.00	7,245.66	7,151.66	7,151.66	155.34	247.94	90.20	1,418.61	-276.97	4,321.28	3,991.92	329.35	13.120		
12,500.00	7,245.85	7,151.85	7,151.85	158.12	247.95	90.20	1,418.61	-276.97	4,409.31	4,080.04	329.27	13.391		
12,600.00	7,246.04	7,152.04	7,152.04	160.91	247.95	90.21	1,418.61	-276.97	4,497.85	4,168.66	329.19	13.663		
12,700.00	7,246.22	7,152.22	7,152.22	163.70	247.96	90.21	1,418.61	-276.97	4,586.85	4,257.75	329.10	13.937		
12,800.00	7,246.41	7,152.41	7,152.41	166.49	247.97	90.22	1,418.61	-276.97	4,676.30	4,347.29	329.01	14.213		
12,900.00	7,246.59	7,152.59	7,152.59	169.28	247.97	90.22	1,418.61	-276.97	4,766.17	4,437.25	328.93	14.490		
13,000.00	7,246.78	7,152.78	7,152.78	172.08	247.98	90.23	1,418.61	-276.97	4,856.44	4,527.60	328.84	14.769		
13,100.00	7,246.97	7,152.97	7,152.97	174.88	247.99	90.23	1,418.61	-276.97	4,947.08	4,618.33	328.75	15.048		
13,200.00	7,247.15	7,153.15	7,153.15	177.68	247.99	90.24	1,418.61	-276.97	5,038.07	4,709.41	328.66	15.329		
13,300.00	7,247.34	7,153.34	7,153.34	180.48	248.00	90.24	1,418.61	-276.97	5,129.40	4,800.83	328.57	15.611		
13,400.00	7,247.53	7,153.53	7,153.53	183.28	248.01	90.25	1,418.61	-276.97	5,221.05	4,892.57	328.48	15.894		
13,500.00	7,247.71	7,153.71	7,153.71	186.09	248.01	90.25	1,418.61	-276.97	5,313.00	4,984.60	328.40	16.179		
13,600.00	7,247.90	7,153.90	7,153.90	188.90	248.02	90.26	1,418.61	-276.97	5,405.23	5,076.92	328.31	16.464		
13,700.00	7,248.08	7,154.08	7,154.08	191.70	248.03	90.26	1,418.61	-276.97	5,497.74	5,169.51	328.23	16.750		
13,800.00	7,248.27	7,154.27	7,154.27	194.52	248.03	90.27	1,418.61	-276.97	5,590.50	5,262.36	328.14	17.037		
13,900.00	7,248.46	7,154.46	7,154.46	197.33	248.04	90.27	1,418.61	-276.97	5,683.51	5,355.45	328.06	17.324		
14,000.00	7,248.64	7,154.64	7,154.64	200.14	248.05	90.28	1,418.61	-276.97	5,776.75	5,448.77	327.98	17.613		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,154.83	7,154.83	202.95	248.05	90.28	1,418.61	-276.97	5,870.22	5,542.31	327.91	17.902		
14,200.00	7,249.02	7,155.02	7,155.02	205.77	248.06	90.29	1,418.61	-276.97	5,963.90	5,636.07	327.83	18.192		
14,300.00	7,249.20	7,155.20	7,155.20	208.59	248.06	90.29	1,418.61	-276.97	6,057.78	5,730.02	327.76	18.483		
14,400.00	7,249.39	7,155.39	7,155.39	211.41	248.07	90.30	1,418.61	-276.97	6,151.85	5,824.17	327.68	18.774		
14,500.00	7,249.58	7,155.58	7,155.58	214.23	248.08	90.30	1,418.61	-276.97	6,246.11	5,918.49	327.61	19.065		
14,600.00	7,249.76	7,155.76	7,155.76	217.05	248.08	90.31	1,418.61	-276.97	6,340.54	6,012.99	327.55	19.358		
14,700.00	7,249.95	7,155.95	7,155.95	219.87	248.09	90.31	1,418.61	-276.97	6,435.14	6,107.66	327.48	19.651		
14,800.00	7,250.13	7,156.13	7,156.13	222.69	248.10	90.32	1,418.61	-276.97	6,529.90	6,202.49	327.42	19.944		
14,900.00	7,250.32	7,156.32	7,156.32	225.51	248.10	90.32	1,418.61	-276.97	6,624.82	6,297.46	327.35	20.238		
15,000.00	7,250.51	7,156.51	7,156.51	228.34	248.11	90.33	1,418.61	-276.97	6,719.88	6,392.59	327.29	20.532		
15,100.00	7,250.69	7,156.69	7,156.69	231.16	248.12	90.33	1,418.61	-276.97	6,815.08	6,487.85	327.24	20.826		
15,200.00	7,250.88	7,156.88	7,156.88	233.99	248.12	90.34	1,418.61	-276.97	6,910.42	6,583.24	327.18	21.121		
15,300.00	7,251.07	7,157.07	7,157.07	236.82	248.13	90.35	1,418.61	-276.97	7,005.89	6,678.77	327.13	21.417		
15,400.00	7,251.25	7,157.25	7,157.25	239.65	248.14	90.35	1,418.61	-276.97	7,101.49	6,774.41	327.07	21.712		
15,500.00	7,251.44	7,157.44	7,157.44	242.47	248.14	90.36	1,418.61	-276.97	7,197.20	6,870.18	327.02	22.008		
15,600.00	7,251.62	7,157.62	7,157.62	245.30	248.15	90.36	1,418.61	-276.97	7,293.03	6,966.06	326.98	22.304		
15,700.00	7,251.81	7,157.81	7,157.81	248.13	248.16	90.37	1,418.61	-276.97	7,388.97	7,062.04	326.93	22.601		
15,800.00	7,252.00	7,158.00	7,158.00	250.97	248.16	90.37	1,418.61	-276.97	7,485.02	7,158.13	326.89	22.898		
15,900.00	7,252.18	7,158.18	7,158.18	253.80	248.17	90.38	1,418.61	-276.97	7,581.17	7,254.32	326.84	23.195		
16,000.00	7,252.37	7,158.37	7,158.37	256.63	248.18	90.38	1,418.61	-276.97	7,677.41	7,350.61	326.80	23.492		
16,100.00	7,252.56	7,158.56	7,158.56	259.46	248.18	90.39	1,418.61	-276.97	7,773.75	7,446.99	326.77	23.790		
16,200.00	7,252.74	7,158.74	7,158.74	262.30	248.19	90.39	1,418.61	-276.97	7,870.19	7,543.46	326.73	24.088		
16,300.00	7,252.93	7,158.93	7,158.93	265.13	248.19	90.40	1,418.61	-276.97	7,966.71	7,640.01	326.70	24.386		
16,400.00	7,253.11	7,159.11	7,159.11	267.96	248.20	90.40	1,418.61	-276.97	8,063.31	7,736.65	326.66	24.684		
16,500.00	7,253.30	7,159.30	7,159.30	270.80	248.21	90.41	1,418.61	-276.97	8,160.00	7,833.37	326.63	24.982		
16,600.00	7,253.49	7,159.49	7,159.49	273.64	248.21	90.41	1,418.61	-276.97	8,256.77	7,930.16	326.60	25.281		
16,700.00	7,253.67	7,159.67	7,159.67	276.47	248.22	90.42	1,418.61	-276.97	8,353.61	8,027.03	326.58	25.579		
16,800.00	7,253.86	7,159.86	7,159.86	279.31	248.23	90.42	1,418.61	-276.97	8,450.53	8,123.97	326.55	25.878		
16,900.00	7,254.05	7,160.05	7,160.05	282.15	248.23	90.43	1,418.61	-276.97	8,547.51	8,220.98	326.53	26.177		
17,000.00	7,254.23	7,160.23	7,160.23	284.98	248.24	90.43	1,418.61	-276.97	8,644.57	8,318.06	326.51	26.476		
17,100.00	7,254.42	7,160.42	7,160.42	287.82	248.25	90.44	1,418.61	-276.97	8,741.69	8,415.20	326.49	26.775		
17,200.00	7,254.61	7,160.61	7,160.61	290.66	248.25	90.44	1,418.61	-276.97	8,838.88	8,512.41	326.47	27.074		
17,300.00	7,254.79	7,160.79	7,160.79	293.50	248.26	90.45	1,418.61	-276.97	8,936.12	8,609.67	326.45	27.374		
17,400.00	7,254.98	7,160.98	7,160.98	296.34	248.27	90.45	1,418.61	-276.97	9,033.43	8,707.00	326.43	27.673		
17,500.00	7,255.16	7,161.16	7,161.16	299.18	248.27	90.46	1,418.61	-276.97	9,130.80	8,804.38	326.42	27.973		
17,600.00	7,255.35	7,161.35	7,161.35	302.02	248.28	90.46	1,418.61	-276.97	9,228.22	8,901.81	326.41	28.272		
17,700.00	7,255.54	7,161.54	7,161.54	304.86	248.29	90.47	1,418.61	-276.97	9,325.70	8,999.30	326.40	28.572		
17,800.00	7,255.72	7,161.72	7,161.72	307.70	248.29	90.47	1,418.61	-276.97	9,423.23	9,096.84	326.39	28.871		
17,900.00	7,255.91	7,161.91	7,161.91	310.54	248.30	90.48	1,418.61	-276.97	9,520.81	9,194.43	326.38	29.171		
18,000.00	7,256.10	7,162.10	7,162.10	313.39	248.31	90.48	1,418.61	-276.97	9,618.44	9,292.07	326.37	29.471		
18,100.00	7,256.28	7,162.28	7,162.28	316.23	248.31	90.49	1,418.61	-276.97	9,716.12	9,389.75	326.37	29.770		
18,200.00	7,256.47	7,162.47	7,162.47	319.07	248.32	90.49	1,418.61	-276.97	9,813.85	9,487.48	326.37	30.070		
18,300.00	7,256.65	7,162.65	7,162.65	321.91	248.32	90.50	1,418.61	-276.97	9,911.62	9,585.25	326.36	30.370		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-127.25	-2,325.18	-3,058.25	3,841.81					
100.00	100.00	77.41	77.41	3.28	3.28	-127.25	-2,325.30	-3,058.27	3,841.89	3,835.32	6.57	584.858		
200.00	200.00	218.61	218.60	3.34	3.36	-127.26	-2,325.51	-3,057.57	3,841.58	3,834.89	6.70	573.676		
300.00	300.00	303.52	303.52	3.44	3.46	-127.25	-2,325.09	-3,057.19	3,840.93	3,834.03	6.90	556.673		
321.40	321.40	320.32	320.31	3.47	3.48	116.75	-2,324.98	-3,057.19	3,840.88	3,833.93	6.95	552.498		
400.00	399.98	382.00	382.00	3.60	3.57	116.76	-2,324.75	-3,057.27	3,841.54	3,834.37	7.17	535.632		
500.00	499.84	519.90	519.89	3.79	3.85	116.82	-2,324.25	-3,056.88	3,843.44	3,835.80	7.64	503.168		
600.00	599.45	588.81	588.80	4.03	4.01	116.84	-2,323.96	-3,056.68	3,846.89	3,838.86	8.04	478.716		
700.00	698.70	723.02	723.01	4.30	4.36	116.97	-2,323.18	-3,056.21	3,851.78	3,843.12	8.67	444.507		
800.00	797.47	800.00	799.98	4.61	4.59	117.02	-2,322.58	-3,056.06	3,858.31	3,849.11	9.20	419.465		
900.00	895.62	913.22	913.20	4.96	4.94	117.17	-2,322.17	-3,055.62	3,866.60	3,856.71	9.89	390.902		
939.50	934.20	946.14	946.12	5.10	5.04	117.19	-2,322.13	-3,055.37	3,870.27	3,860.13	10.14	381.612		
1,000.00	993.20	1,001.48	1,001.46	5.33	5.23	117.35	-2,322.09	-3,054.98	3,876.15	3,865.60	10.55	367.350		
1,100.00	1,090.72	1,092.90	1,092.88	5.73	5.54	117.61	-2,322.05	-3,054.45	3,886.07	3,874.81	11.26	345.262		
1,200.00	1,188.24	1,184.28	1,184.25	6.15	5.86	117.87	-2,322.05	-3,054.07	3,896.23	3,884.25	11.99	325.046		
1,300.00	1,285.76	1,275.59	1,275.57	6.59	6.18	118.14	-2,322.08	-3,053.84	3,906.65	3,893.91	12.74	306.632		
1,400.00	1,383.28	1,366.86	1,366.83	7.04	6.52	118.40	-2,322.16	-3,053.77	3,917.32	3,903.81	13.51	289.899		
1,500.00	1,480.80	1,458.07	1,458.04	7.50	6.86	118.66	-2,322.27	-3,053.85	3,928.25	3,913.95	14.30	274.700		
1,600.00	1,578.31	1,561.99	1,561.96	7.96	7.25	118.95	-2,322.25	-3,054.13	3,939.34	3,924.19	15.15	260.020		
1,700.00	1,675.83	1,683.88	1,683.85	8.44	7.72	119.31	-2,321.32	-3,054.44	3,950.10	3,934.01	16.08	245.586		
1,800.00	1,773.35	1,784.87	1,784.84	8.92	8.11	119.60	-2,320.61	-3,054.14	3,960.55	3,943.60	16.95	233.705		
1,900.00	1,870.87	1,881.77	1,881.74	9.40	8.49	119.88	-2,320.04	-3,053.77	3,971.09	3,953.29	17.80	223.084		
2,000.00	1,968.39	1,978.72	1,978.68	9.89	8.87	120.15	-2,319.31	-3,053.54	3,981.75	3,963.09	18.66	213.359		
2,100.00	2,065.91	2,069.92	2,069.87	10.39	9.24	120.41	-2,318.73	-3,053.32	3,992.57	3,973.07	19.51	204.691		
2,200.00	2,163.43	2,165.62	2,165.58	10.88	9.62	120.68	-2,318.26	-3,053.17	4,003.62	3,983.25	20.37	196.524		
2,300.00	2,260.95	2,288.37	2,288.31	11.38	10.12	121.04	-2,316.37	-3,053.45	4,014.57	3,993.21	21.36	187.965		
2,400.00	2,358.46	2,424.59	2,424.49	11.89	10.67	121.44	-2,313.24	-3,052.89	4,024.64	4,002.23	22.41	179.620		
2,500.00	2,455.98	2,520.00	2,519.88	12.39	11.06	121.71	-2,311.17	-3,051.91	4,034.40	4,011.12	23.29	173.256		
2,600.00	2,553.50	2,597.22	2,597.07	12.89	11.38	121.94	-2,309.39	-3,051.49	4,044.59	4,020.50	24.09	167.896		
2,700.00	2,651.02	2,687.50	2,687.33	13.40	11.75	122.20	-2,307.28	-3,051.38	4,055.22	4,030.26	24.95	162.523		
2,800.00	2,748.54	2,795.43	2,795.24	13.91	12.19	122.52	-2,305.02	-3,051.05	4,065.92	4,040.03	25.89	157.035		
2,900.00	2,846.06	2,873.78	2,873.57	14.42	12.52	122.74	-2,303.48	-3,050.80	4,076.79	4,050.08	26.70	152.662		
3,000.00	2,943.58	2,968.99	2,968.77	14.93	12.91	123.00	-2,302.15	-3,050.59	4,088.09	4,060.50	27.59	148.161		
3,100.00	3,041.10	3,045.71	3,045.49	15.45	13.23	123.20	-2,301.79	-3,050.06	4,099.59	4,071.19	28.40	144.359		
3,200.00	3,138.61	3,115.02	3,114.80	15.96	13.52	123.38	-2,301.82	-3,050.01	4,111.89	4,082.72	29.17	140.961		
3,300.00	3,236.13	3,200.00	3,199.78	16.47	13.87	123.61	-2,301.67	-3,050.38	4,124.64	4,094.62	30.01	137.432		
3,400.00	3,333.65	3,268.72	3,268.50	16.99	14.15	123.79	-2,301.82	-3,050.92	4,137.96	4,107.18	30.78	134.440		
3,500.00	3,431.17	3,374.61	3,374.37	17.50	14.59	124.05	-2,303.10	-3,051.86	4,151.92	4,120.20	31.72	130.900		
3,600.00	3,528.69	3,453.68	3,453.43	18.02	14.92	124.25	-2,303.79	-3,052.46	4,165.68	4,133.15	32.53	128.045		
3,700.00	3,626.21	3,549.29	3,549.03	18.54	15.32	124.49	-2,304.91	-3,053.76	4,180.15	4,146.73	33.43	125.058		
3,800.00	3,723.73	3,706.15	3,705.88	19.06	15.97	124.87	-2,306.18	-3,054.43	4,193.71	4,159.11	34.61	121.183		
3,900.00	3,821.25	3,782.88	3,782.61	19.57	16.30	125.06	-2,306.19	-3,054.76	4,206.99	4,171.58	35.41	118.795		
4,000.00	3,918.77	3,885.42	3,885.15	20.09	16.72	125.32	-2,306.56	-3,055.24	4,220.55	4,184.20	36.34	116.133		
4,100.00	4,016.28	3,994.34	3,994.07	20.61	17.18	125.58	-2,306.90	-3,055.46	4,233.93	4,196.63	37.30	113.505		
4,200.00	4,113.80	4,103.38	4,103.10	21.13	17.64	125.84	-2,307.20	-3,055.38	4,247.13	4,208.87	38.26	111.001		
4,300.00	4,211.32	4,212.52	4,212.25	21.65	18.10	126.11	-2,307.43	-3,054.99	4,260.13	4,220.91	39.22	108.611		
4,400.00	4,308.84	4,321.78	4,321.50	22.17	18.55	126.36	-2,307.62	-3,054.30	4,272.94	4,232.75	40.19	106.329		
4,500.00	4,406.36	4,431.14	4,430.86	22.69	19.01	126.62	-2,307.74	-3,053.31	4,285.55	4,244.40	41.15	104.146		
4,600.00	4,503.88	4,492.75	4,492.47	23.21	19.27	126.76	-2,307.72	-3,053.16	4,298.66	4,256.78	41.89	102.624		
4,700.00	4,601.40	4,700.00	4,603.05	23.73	20.15	127.03	-2,307.55	-3,052.82	4,311.81	4,268.55	43.26	99.661		
4,800.00	4,698.92	4,665.11	4,664.83	24.26	20.00	127.17	-2,307.49	-3,052.77	4,325.33	4,281.73	43.59	99.221		
4,900.00	4,796.43	4,757.16	4,756.87	24.78	20.39	127.40	-2,307.51	-3,053.60	4,339.75	4,295.28	44.47	97.582		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,858.82	4,858.53	25.30	20.82	127.64	-2,306.86	-3,054.33	4,353.82	4,308.42	45.40	95.899		
5,100.00	4,991.47	4,980.54	4,980.24	25.82	21.33	127.95	-2,305.61	-3,055.48	4,368.05	4,321.62	46.42	94.089		
5,200.00	5,088.99	5,057.15	5,056.84	26.34	21.65	128.13	-2,305.27	-3,055.66	4,381.96	4,334.73	47.23	92.779		
5,300.00	5,186.51	5,160.40	5,160.09	26.87	22.09	128.37	-2,305.05	-3,056.47	4,396.51	4,348.35	48.17	91.280		
5,400.00	5,284.03	5,254.57	5,254.27	27.39	22.49	128.59	-2,304.85	-3,056.66	4,410.61	4,361.56	49.06	89.910		
5,500.00	5,381.55	5,371.52	5,371.20	27.91	22.98	128.87	-2,304.15	-3,057.54	4,425.15	4,375.09	50.06	88.400		
5,600.00	5,479.07	5,463.79	5,463.47	28.43	23.37	129.09	-2,303.23	-3,057.74	4,439.09	4,388.15	50.94	87.144		
5,700.00	5,576.58	5,551.71	5,551.38	28.96	23.75	129.30	-2,302.03	-3,058.50	4,453.51	4,401.72	51.80	85.977		
5,800.00	5,674.10	5,641.07	5,640.72	29.48	24.13	129.52	-2,300.71	-3,059.35	4,468.06	4,415.40	52.66	84.840		
5,900.00	5,771.62	5,733.70	5,733.34	30.00	24.52	129.74	-2,299.88	-3,060.33	4,483.00	4,429.45	53.55	83.722		
6,000.00	5,869.14	5,866.88	5,866.51	30.53	25.08	130.06	-2,298.14	-3,061.28	4,497.54	4,442.91	54.63	82.326		
6,100.00	5,966.66	5,962.54	5,962.16	31.05	25.49	130.28	-2,297.23	-3,061.32	4,511.70	4,456.17	55.53	81.251		
6,200.00	6,064.18	6,058.28	6,057.90	31.58	25.90	130.50	-2,296.22	-3,061.61	4,526.12	4,469.69	56.43	80.214		
6,300.00	6,161.70	6,182.77	6,182.39	32.10	26.42	130.77	-2,295.88	-3,061.21	4,540.35	4,482.88	57.47	79.008		
6,400.00	6,259.22	6,252.36	6,251.98	32.62	26.72	130.92	-2,295.44	-3,060.95	4,554.49	4,496.25	58.23	78.210		
6,500.00	6,356.74	6,337.58	6,337.20	33.15	27.08	131.11	-2,295.00	-3,061.35	4,569.42	4,510.35	59.08	77.346		
6,600.00	6,454.25	6,444.64	6,444.25	33.67	27.54	131.34	-2,294.21	-3,061.39	4,583.95	4,523.92	60.03	76.359		
6,623.48	6,477.15	6,460.45	6,460.06	33.80	27.60	131.37	-2,294.15	-3,061.41	4,587.44	4,527.23	60.21	76.193		
6,650.00	6,503.12	6,478.37	6,477.98	33.93	27.68	125.94	-2,294.12	-3,061.45	4,590.91	4,530.50	60.40	76.002		
6,700.00	6,552.50	6,528.36	6,527.97	34.16	27.89	107.26	-2,294.15	-3,061.62	4,594.78	4,533.94	60.84	75.517		
6,750.00	6,602.21	6,606.41	6,606.02	34.36	28.22	69.33	-2,294.01	-3,061.61	4,594.82	4,533.42	61.40	74.829		
6,800.00	6,651.92	6,638.54	6,638.15	34.54	28.36	30.31	-2,293.98	-3,061.58	4,591.19	4,529.48	61.70	74.410		
6,850.00	6,701.33	6,736.29	6,663.32	34.70	28.77	10.44	-2,293.96	-3,061.55	4,584.04	4,521.79	62.25	73.643		
6,900.00	6,750.14	6,712.58	6,712.18	34.86	28.67	0.59	-2,294.34	-3,061.68	4,573.54	4,511.26	62.29	73.428		
6,950.00	6,798.04	6,760.55	6,760.16	35.02	28.88	-5.20	-2,294.71	-3,061.80	4,559.53	4,496.91	62.62	72.815		
7,000.00	6,844.75	6,807.33	6,806.94	35.19	29.07	-9.18	-2,295.08	-3,061.92	4,542.09	4,479.15	62.94	72.170		
7,050.00	6,889.97	6,852.63	6,852.24	35.37	29.27	-12.30	-2,295.43	-3,062.03	4,521.33	4,458.09	63.24	71.495		
7,100.00	6,933.42	6,896.18	6,895.78	35.57	29.45	-15.00	-2,295.77	-3,062.15	4,497.38	4,433.85	63.53	70.792		
7,150.00	6,974.83	6,937.70	6,937.30	35.79	29.63	-17.56	-2,296.10	-3,062.25	4,470.40	4,406.59	63.81	70.063		
7,200.00	7,013.96	6,976.93	6,976.53	36.02	29.79	-20.16	-2,296.40	-3,062.35	4,440.56	4,376.49	64.07	69.311		
7,250.00	7,050.56	7,013.64	7,013.23	36.28	29.95	-22.93	-2,296.69	-3,062.44	4,408.05	4,343.73	64.32	68.536		
7,300.00	7,084.39	7,047.59	7,047.19	36.57	30.09	-26.03	-2,296.95	-3,062.53	4,373.08	4,308.53	64.55	67.742		
7,350.00	7,115.27	7,078.59	7,078.18	36.89	30.22	-29.57	-2,297.19	-3,062.61	4,335.88	4,271.10	64.78	66.931		
7,400.00	7,142.99	7,106.43	7,106.03	37.25	30.34	-33.72	-2,297.41	-3,062.68	4,296.69	4,231.69	65.00	66.105		
7,450.00	7,167.38	7,130.95	7,130.55	37.65	30.45	-38.65	-2,297.60	-3,062.74	4,255.76	4,190.55	65.21	65.267		
7,500.00	7,188.30	7,152.00	7,151.59	38.08	30.53	-44.54	-2,297.77	-3,062.80	4,213.35	4,147.94	65.41	64.418		
7,550.00	7,205.61	7,169.44	7,169.03	38.55	30.61	-51.54	-2,297.90	-3,062.84	4,169.74	4,104.14	65.60	63.563		
7,600.00	7,219.20	7,183.16	7,182.76	39.06	30.67	-59.74	-2,298.01	-3,062.88	4,125.22	4,059.43	65.79	62.703		
7,650.00	7,229.00	7,193.10	7,192.69	39.61	30.71	-69.01	-2,298.09	-3,062.90	4,080.06	4,014.08	65.98	61.841		
7,700.00	7,234.95	7,199.17	7,198.76	40.18	30.74	-78.97	-2,298.13	-3,062.92	4,034.56	3,968.40	66.16	60.982		
7,750.07	7,237.00	7,201.35	7,200.94	40.78	30.74	-89.00	-2,298.15	-3,062.92	3,988.95	3,922.61	66.34	60.128		
7,800.00	7,237.09	7,201.57	7,201.16	41.41	30.75	-89.01	-2,298.15	-3,062.92	3,943.58	3,877.05	66.53	59.276		
7,900.00	7,237.28	7,202.00	7,201.60	42.79	30.75	-89.03	-2,298.16	-3,062.92	3,853.07	3,786.11	66.96	57.544		
8,000.00	7,237.47	7,202.44	7,202.03	44.31	30.75	-89.04	-2,298.16	-3,062.92	3,763.04	3,695.58	67.46	55.779		
8,100.00	7,237.65	7,202.88	7,202.47	45.97	30.75	-89.06	-2,298.16	-3,062.93	3,673.53	3,605.48	68.05	53.984		
8,200.00	7,237.84	7,203.32	7,202.91	47.75	30.75	-89.07	-2,298.17	-3,062.93	3,584.57	3,515.84	68.72	52.161		
8,300.00	7,238.02	7,203.76	7,203.35	49.63	30.75	-89.09	-2,298.17	-3,062.93	3,496.20	3,426.71	69.49	50.313		
8,400.00	7,238.21	7,204.19	7,203.78	51.61	30.76	-89.10	-2,298.17	-3,062.93	3,408.48	3,338.12	70.36	48.444		
8,500.00	7,238.40	7,204.63	7,204.22	53.66	30.76	-89.12	-2,298.18	-3,062.93	3,321.46	3,250.12	71.34	46.559		
8,600.00	7,238.58	7,205.07	7,204.66	55.79	30.76	-89.13	-2,298.18	-3,062.93	3,235.18	3,162.74	72.44	44.662		
8,700.00	7,238.77	7,205.51	7,205.10	57.99	30.76	-89.15	-2,298.18	-3,062.93	3,149.72	3,076.06	73.66	42.761		
8,800.00	7,238.96	7,205.94	7,205.53	60.24	30.76	-89.16	-2,298.19	-3,062.93	3,065.13	2,990.12	75.02	40.860		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,206.38	7,205.97	62.54	30.77	-89.18	-2,298.19	-3,062.93	2,981.50	2,904.99	76.51	38.967		
9,000.00	7,239.33	7,206.82	7,206.41	64.88	30.77	-89.19	-2,298.19	-3,062.94	2,898.91	2,820.75	78.16	37.089		
9,100.00	7,239.52	7,207.26	7,206.85	67.27	30.77	-89.21	-2,298.20	-3,062.94	2,817.44	2,737.48	79.96	35.234		
9,200.00	7,239.70	7,207.69	7,207.29	69.69	30.77	-89.22	-2,298.20	-3,062.94	2,737.21	2,655.27	81.93	33.408		
9,300.00	7,239.89	7,208.13	7,207.72	72.15	30.77	-89.24	-2,298.20	-3,062.94	2,658.31	2,574.24	84.07	31.619		
9,400.00	7,240.07	7,208.57	7,208.16	74.63	30.78	-89.25	-2,298.21	-3,062.94	2,580.88	2,494.48	86.39	29.873		
9,500.00	7,240.26	7,209.01	7,208.60	77.14	30.78	-89.27	-2,298.21	-3,062.94	2,505.04	2,416.14	88.90	28.178		
9,600.00	7,240.45	7,209.44	7,209.04	79.68	30.78	-89.28	-2,298.21	-3,062.94	2,430.96	2,339.36	91.60	26.540		
9,700.00	7,240.63	7,209.88	7,209.47	82.23	30.78	-89.30	-2,298.22	-3,062.94	2,358.79	2,264.30	94.49	24.964		
9,800.00	7,240.82	7,210.32	7,209.91	84.81	30.78	-89.31	-2,298.22	-3,062.94	2,288.71	2,191.13	97.57	23.456		
9,900.00	7,241.01	7,210.76	7,210.35	87.40	30.78	-89.33	-2,298.22	-3,062.95	2,220.92	2,120.06	100.86	22.020		
10,000.00	7,241.19	7,211.19	7,210.79	90.01	30.79	-89.34	-2,298.23	-3,062.95	2,155.65	2,051.31	104.33	20.661		
10,100.00	7,241.38	7,211.63	7,211.22	92.64	30.79	-89.36	-2,298.23	-3,062.95	2,093.11	1,985.12	108.00	19.381		
10,200.00	7,241.56	7,212.07	7,211.66	95.28	30.79	-89.37	-2,298.23	-3,062.95	2,033.58	1,921.74	111.83	18.184		
10,300.00	7,241.75	7,212.51	7,212.10	97.93	30.79	-89.39	-2,298.24	-3,062.95	1,977.31	1,861.48	115.83	17.071		
10,400.00	7,241.94	7,212.95	7,212.54	100.59	30.79	-89.40	-2,298.24	-3,062.95	1,924.59	1,804.64	119.96	16.044		
10,500.00	7,242.12	7,213.38	7,212.97	103.26	30.80	-89.42	-2,298.25	-3,062.95	1,875.73	1,751.54	124.19	15.104		
10,600.00	7,242.31	7,213.82	7,213.41	105.95	30.80	-89.43	-2,298.25	-3,062.95	1,831.03	1,702.55	128.48	14.252		
10,700.00	7,242.50	7,214.26	7,213.85	108.64	30.80	-89.45	-2,298.25	-3,062.95	1,790.81	1,658.02	132.79	13.486		
10,800.00	7,242.68	7,214.70	7,214.29	111.34	30.80	-89.47	-2,298.26	-3,062.96	1,755.36	1,618.30	137.06	12.807		
10,900.00	7,242.87	7,215.13	7,214.72	114.05	30.80	-89.48	-2,298.26	-3,062.96	1,725.00	1,583.75	141.24	12.213		
11,000.00	7,243.05	7,215.57	7,215.16	116.76	30.80	-89.50	-2,298.26	-3,062.96	1,699.98	1,554.72	145.26	11.703		
11,100.00	7,243.24	7,216.01	7,215.60	119.49	30.81	-89.51	-2,298.27	-3,062.96	1,680.54	1,531.49	149.05	11.275		
11,200.00	7,243.43	7,216.45	7,216.04	122.22	30.81	-89.53	-2,298.27	-3,062.96	1,666.89	1,514.34	152.55	10.927		
11,300.00	7,243.61	7,216.88	7,216.48	124.95	30.81	-89.54	-2,298.27	-3,062.96	1,659.17	1,503.46	155.71	10.656		
11,378.46	7,243.76	7,217.23	7,216.82	127.10	30.81	-89.55	-2,298.28	-3,062.96	1,657.31	1,499.40	157.91	10.495 CC		
11,400.00	7,243.80	7,217.32	7,216.91	127.69	30.81	-89.56	-2,298.28	-3,062.96	1,657.45	1,498.98	158.47	10.459 ES		
11,500.00	7,243.99	7,217.76	7,217.35	130.44	30.81	-89.57	-2,298.28	-3,062.96	1,661.76	1,500.96	160.80	10.334		
11,600.00	7,244.17	7,218.20	7,217.79	133.19	30.82	-89.59	-2,298.28	-3,062.96	1,672.05	1,509.37	162.69	10.278 SF		
11,700.00	7,244.36	7,218.63	7,218.23	135.94	30.82	-89.60	-2,298.29	-3,062.97	1,688.22	1,524.10	164.12	10.287		
11,800.00	7,244.55	7,219.07	7,218.66	138.70	30.82	-89.62	-2,298.29	-3,062.97	1,710.08	1,544.98	165.10	10.358		
11,900.00	7,244.73	7,219.51	7,219.10	141.47	30.82	-89.63	-2,298.29	-3,062.97	1,737.44	1,571.77	165.67	10.488		
12,000.00	7,244.92	7,219.95	7,219.54	144.24	30.82	-89.65	-2,298.30	-3,062.97	1,770.03	1,604.19	165.84	10.673		
12,100.00	7,245.10	7,220.39	7,219.98	147.01	30.83	-89.66	-2,298.30	-3,062.97	1,807.57	1,641.90	165.66	10.911		
12,200.00	7,245.29	7,220.82	7,220.41	149.78	30.83	-89.68	-2,298.30	-3,062.97	1,849.76	1,684.58	165.18	11.199		
12,300.00	7,245.48	7,221.26	7,220.85	152.56	30.83	-89.69	-2,298.31	-3,062.97	1,896.29	1,731.86	164.43	11.532		
12,400.00	7,245.66	7,221.70	7,221.29	155.34	30.83	-89.71	-2,298.31	-3,062.97	1,946.85	1,783.38	163.47	11.910		
12,500.00	7,245.85	7,222.14	7,221.73	158.12	30.83	-89.72	-2,298.31	-3,062.97	2,001.13	1,838.80	162.32	12.328		
12,600.00	7,246.04	7,222.57	7,222.16	160.91	30.83	-89.74	-2,298.32	-3,062.98	2,058.84	1,897.80	161.04	12.784		
12,700.00	7,246.22	7,223.01	7,222.60	163.70	30.84	-89.75	-2,298.32	-3,062.98	2,119.70	1,960.04	159.66	13.277		
12,800.00	7,246.41	7,223.45	7,223.04	166.49	30.84	-89.77	-2,298.32	-3,062.98	2,183.44	2,025.25	158.19	13.802		
12,900.00	7,246.59	7,223.89	7,223.48	169.28	30.84	-89.78	-2,298.33	-3,062.98	2,249.83	2,093.14	156.68	14.359		
13,000.00	7,246.78	7,224.32	7,223.92	172.08	30.84	-89.80	-2,298.33	-3,062.98	2,318.62	2,163.48	155.14	14.945		
13,100.00	7,246.97	7,224.76	7,224.35	174.88	30.84	-89.81	-2,298.33	-3,062.98	2,389.63	2,236.04	153.59	15.559		
13,200.00	7,247.15	7,225.20	7,224.79	177.68	30.85	-89.83	-2,298.34	-3,062.98	2,462.65	2,310.61	152.04	16.198		
13,300.00	7,247.34	7,225.64	7,225.23	180.48	30.85	-89.84	-2,298.34	-3,062.98	2,537.50	2,387.00	150.50	16.860		
13,400.00	7,247.53	7,226.07	7,225.67	183.28	30.85	-89.86	-2,298.34	-3,062.98	2,614.04	2,465.06	148.99	17.545		
13,500.00	7,247.71	7,226.51	7,226.10	186.09	30.85	-89.87	-2,298.35	-3,062.99	2,692.12	2,544.62	147.50	18.251		
13,600.00	7,247.90	7,226.95	7,226.54	188.90	30.85	-89.89	-2,298.35	-3,062.99	2,771.61	2,625.56	146.05	18.977		
13,700.00	7,248.08	7,227.39	7,226.98	191.70	30.85	-89.90	-2,298.35	-3,062.99	2,852.39	2,707.75	144.64	19.721		
13,800.00	7,248.27	7,227.83	7,227.42	194.52	30.86	-89.92	-2,298.36	-3,062.99	2,934.35	2,791.08	143.27	20.481		
13,900.00	7,248.46	7,228.26	7,227.85	197.33	30.86	-89.93	-2,298.36	-3,062.99	3,017.40	2,875.46	141.94	21.258		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	7,228.70	7,228.29	200.14	30.86	-89.95	-2,298.36	-3,062.99	3,101.45	2,960.80	140.65	22.050		
14,100.00	7,248.83	7,229.14	7,228.73	202.95	30.86	-89.96	-2,298.37	-3,062.99	3,186.43	3,047.01	139.41	22.856		
14,200.00	7,249.02	7,229.58	7,229.17	205.77	30.86	-89.98	-2,298.37	-3,062.99	3,272.25	3,134.03	138.21	23.675		
14,300.00	7,249.20	7,230.01	7,229.60	208.59	30.87	-89.99	-2,298.37	-3,062.99	3,358.86	3,221.80	137.06	24.507		
14,400.00	7,249.39	7,230.45	7,230.04	211.41	30.87	-90.01	-2,298.38	-3,063.00	3,446.19	3,310.24	135.95	25.350		
14,500.00	7,249.58	7,230.89	7,230.48	214.23	30.87	-90.02	-2,298.38	-3,063.00	3,534.19	3,399.32	134.87	26.204		
14,600.00	7,249.76	7,231.33	7,230.92	217.05	30.87	-90.04	-2,298.39	-3,063.00	3,622.82	3,488.97	133.84	27.068		
14,700.00	7,249.95	7,231.76	7,231.35	219.87	30.87	-90.06	-2,298.39	-3,063.00	3,712.02	3,579.17	132.85	27.942		
14,800.00	7,250.13	7,232.20	7,231.79	222.69	30.88	-90.07	-2,298.39	-3,063.00	3,801.76	3,669.87	131.89	28.824		
14,900.00	7,250.32	7,232.64	7,232.23	225.51	30.88	-90.09	-2,298.40	-3,063.00	3,892.00	3,761.03	130.98	29.716		
15,000.00	7,250.51	7,233.08	7,232.67	228.34	30.88	-90.10	-2,298.40	-3,063.00	3,982.71	3,852.62	130.09	30.615		
15,100.00	7,250.69	7,233.51	7,233.11	231.16	30.88	-90.12	-2,298.40	-3,063.00	4,073.85	3,944.61	129.24	31.521		
15,200.00	7,250.88	7,233.95	7,233.54	233.99	30.88	-90.13	-2,298.41	-3,063.00	4,165.40	4,036.98	128.42	32.435		
15,300.00	7,251.07	7,234.39	7,233.98	236.82	30.88	-90.15	-2,298.41	-3,063.01	4,257.33	4,129.69	127.64	33.355		
15,400.00	7,251.25	7,234.83	7,234.42	239.65	30.89	-90.16	-2,298.41	-3,063.01	4,349.61	4,222.73	126.88	34.281		
15,500.00	7,251.44	7,235.27	7,234.86	242.47	30.89	-90.18	-2,298.42	-3,063.01	4,442.23	4,316.08	126.15	35.213		
15,600.00	7,251.62	7,235.70	7,235.29	245.30	30.89	-90.19	-2,298.42	-3,063.01	4,535.17	4,409.72	125.45	36.151		
15,700.00	7,251.81	7,236.14	7,235.73	248.13	30.89	-90.21	-2,298.42	-3,063.01	4,628.39	4,503.62	124.78	37.094		
15,800.00	7,252.00	7,236.58	7,236.17	250.97	30.89	-90.22	-2,298.43	-3,063.01	4,721.90	4,597.77	124.13	38.041		
15,900.00	7,252.18	7,237.02	7,236.61	253.80	30.90	-90.24	-2,298.43	-3,063.01	4,815.66	4,692.16	123.50	38.993		
16,000.00	7,252.37	7,237.45	7,237.04	256.63	30.90	-90.25	-2,298.43	-3,063.01	4,909.67	4,786.78	122.90	39.949		
16,100.00	7,252.56	7,237.89	7,237.48	259.46	30.90	-90.27	-2,298.44	-3,063.01	5,003.92	4,881.60	122.32	40.909		
16,200.00	7,252.74	7,238.33	7,237.92	262.30	30.90	-90.28	-2,298.44	-3,063.02	5,098.38	4,976.62	121.76	41.873		
16,300.00	7,252.93	7,238.77	7,238.36	265.13	30.90	-90.30	-2,298.44	-3,063.02	5,193.05	5,071.83	121.22	42.840		
16,400.00	7,253.11	7,239.20	7,238.79	267.96	30.91	-90.31	-2,298.45	-3,063.02	5,287.92	5,167.22	120.70	43.811		
16,500.00	7,253.30	7,239.64	7,239.23	270.80	30.91	-90.33	-2,298.45	-3,063.02	5,382.97	5,262.77	120.20	44.784		
16,600.00	7,253.49	7,240.08	7,239.67	273.64	30.91	-90.34	-2,298.45	-3,063.02	5,478.20	5,358.48	119.71	45.761		
16,700.00	7,253.67	7,240.52	7,240.11	276.47	30.91	-90.36	-2,298.46	-3,063.02	5,573.59	5,454.34	119.25	46.739		
16,800.00	7,253.86	7,240.95	7,240.54	279.31	30.91	-90.37	-2,298.46	-3,063.02	5,669.14	5,550.35	118.80	47.721		
16,900.00	7,254.05	7,241.39	7,240.98	282.15	30.91	-90.39	-2,298.46	-3,063.02	5,764.85	5,646.48	118.36	48.704		
17,000.00	7,254.23	7,241.83	7,241.42	284.98	30.92	-90.40	-2,298.47	-3,063.02	5,860.70	5,742.75	117.95	49.690		
17,100.00	7,254.42	7,242.27	7,241.86	287.82	30.92	-90.42	-2,298.47	-3,063.03	5,956.68	5,839.14	117.54	50.677		
17,200.00	7,254.61	7,242.70	7,242.30	290.66	30.92	-90.43	-2,298.47	-3,063.03	6,052.80	5,935.65	117.15	51.667		
17,300.00	7,254.79	7,243.14	7,242.73	293.50	30.92	-90.45	-2,298.48	-3,063.03	6,149.03	6,032.26	116.77	52.658		
17,400.00	7,254.98	7,243.58	7,243.17	296.34	30.92	-90.46	-2,298.48	-3,063.03	6,245.39	6,128.98	116.41	53.650		
17,500.00	7,255.16	7,244.02	7,243.61	299.18	30.93	-90.48	-2,298.48	-3,063.03	6,341.86	6,225.80	116.06	54.644		
17,600.00	7,255.35	7,244.46	7,244.05	302.02	30.93	-90.49	-2,298.49	-3,063.03	6,438.44	6,322.72	115.72	55.639		
17,700.00	7,255.54	7,244.89	7,244.48	304.86	30.93	-90.51	-2,298.49	-3,063.03	6,535.12	6,419.73	115.39	56.635		
17,800.00	7,255.72	7,245.33	7,244.92	307.70	30.93	-90.52	-2,298.49	-3,063.03	6,631.90	6,516.82	115.07	57.632		
17,900.00	7,255.91	7,245.77	7,245.36	310.54	30.93	-90.54	-2,298.50	-3,063.03	6,728.77	6,614.00	114.77	58.630		
18,000.00	7,256.10	7,246.21	7,245.80	313.39	30.93	-90.55	-2,298.50	-3,063.04	6,825.73	6,711.26	114.47	59.628		
18,100.00	7,256.28	7,246.64	7,246.23	316.23	30.94	-90.57	-2,298.50	-3,063.04	6,922.78	6,808.60	114.19	60.628		
18,200.00	7,256.47	7,247.08	7,246.67	319.07	30.94	-90.58	-2,298.51	-3,063.04	7,019.91	6,906.00	113.91	61.628		
18,300.00	7,256.65	7,247.52	7,247.11	321.91	30.94	-90.60	-2,298.51	-3,063.04	7,117.12	7,003.48	113.64	62.628		
18,400.00	7,256.84	7,247.96	7,247.55	324.76	30.94	-90.61	-2,298.51	-3,063.04	7,214.41	7,101.03	113.38	63.629		
18,500.00	7,257.03	7,248.39	7,247.98	327.60	30.94	-90.63	-2,298.52	-3,063.04	7,311.77	7,198.64	113.13	64.630		
18,600.00	7,257.21	7,248.83	7,248.42	330.44	30.95	-90.65	-2,298.52	-3,063.04	7,409.20	7,296.31	112.89	65.631		
18,700.00	7,257.40	7,249.27	7,248.86	333.29	30.95	-90.66	-2,298.52	-3,063.04	7,506.70	7,394.04	112.66	66.632		
18,800.00	7,257.59	7,249.71	7,249.30	336.13	30.95	-90.68	-2,298.53	-3,063.04	7,604.27	7,491.83	112.43	67.634		
18,900.00	7,257.77	7,250.14	7,249.73	338.98	30.95	-90.69	-2,298.53	-3,063.05	7,701.89	7,589.68	112.22	68.635		
19,000.00	7,257.96	7,250.58	7,250.17	341.82	30.95	-90.71	-2,298.54	-3,063.05	7,799.58	7,687.57	112.00	69.636		
19,022.43	7,258.00	7,250.68	7,250.27	342.46	30.95	-90.71	-2,298.54	-3,063.05	7,821.50	7,709.54	111.96	69.861		

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

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	5.50	5.50	3.28	3.28	-121.23	-1,028.74	-1,696.75	1,984.25					
100.00	100.00	115.60	115.60	3.28	3.29	-121.22	-1,028.44	-1,696.57	1,983.97	1,977.40	6.57	301.778		
200.00	200.00	213.88	213.88	3.34	3.35	-121.23	-1,028.36	-1,696.09	1,983.51	1,976.82	6.69	296.420		
300.00	300.00	310.61	310.61	3.44	3.46	-121.24	-1,028.51	-1,695.58	1,983.14	1,976.23	6.91	286.997		
313.29	313.29	323.27	323.27	3.46	3.48	122.76	-1,028.53	-1,695.53	1,983.12	1,976.18	6.95	285.527		
400.00	399.98	406.30	406.30	3.60	3.62	122.78	-1,028.76	-1,695.25	1,983.92	1,976.71	7.22	274.949		
500.00	499.84	509.00	508.99	3.79	3.82	122.85	-1,028.93	-1,694.98	1,986.62	1,979.01	7.62	260.859		
600.00	599.45	606.06	606.05	4.03	4.05	122.98	-1,028.92	-1,694.83	1,991.24	1,983.16	8.08	246.393		
700.00	698.70	693.42	693.41	4.30	4.28	123.12	-1,028.88	-1,695.09	1,998.15	1,989.57	8.59	232.732		
800.00	797.47	788.62	788.61	4.61	4.55	123.33	-1,029.04	-1,695.68	2,007.42	1,998.26	9.17	219.029		
900.00	895.62	893.77	893.76	4.96	4.88	123.63	-1,029.21	-1,696.24	2,018.63	2,008.80	9.83	205.418		
939.50	934.20	932.90	932.89	5.10	5.00	123.75	-1,029.12	-1,696.43	2,023.54	2,013.44	10.10	200.435		
1,000.00	993.20	992.04	992.03	5.33	5.19	124.06	-1,029.03	-1,696.69	2,031.33	2,020.81	10.51	193.199		
1,100.00	1,090.72	1,095.45	1,095.44	5.73	5.54	124.60	-1,028.97	-1,696.93	2,044.20	2,032.94	11.25	181.661		
1,200.00	1,188.24	1,185.62	1,185.61	6.15	5.86	125.06	-1,029.27	-1,696.95	2,057.24	2,045.26	11.97	171.810		
1,300.00	1,285.76	1,271.31	1,271.30	6.59	6.16	125.49	-1,029.77	-1,697.30	2,070.88	2,058.18	12.70	163.066		
1,400.00	1,383.28	1,366.63	1,366.61	7.04	6.51	125.97	-1,030.09	-1,698.30	2,085.10	2,071.62	13.48	154.691		
1,500.00	1,480.80	1,477.25	1,477.22	7.50	6.93	126.50	-1,030.94	-1,698.84	2,099.20	2,084.87	14.34	146.435		
1,600.00	1,578.31	1,589.40	1,589.37	7.96	7.35	127.03	-1,031.59	-1,698.58	2,112.71	2,097.50	15.21	138.874		
1,700.00	1,675.83	1,695.74	1,695.71	8.44	7.76	127.52	-1,031.95	-1,697.80	2,125.83	2,109.75	16.08	132.207		
1,800.00	1,773.35	1,771.28	1,771.25	8.92	8.06	127.88	-1,032.02	-1,697.59	2,139.36	2,122.53	16.83	127.138		
1,900.00	1,870.87	1,861.82	1,861.78	9.40	8.41	128.30	-1,032.16	-1,698.17	2,153.87	2,136.23	17.64	122.080		
2,000.00	1,968.39	1,962.45	1,962.41	9.89	8.81	128.76	-1,032.73	-1,698.55	2,168.45	2,149.94	18.51	117.156		
2,100.00	2,065.91	2,067.59	2,067.55	10.39	9.23	129.23	-1,033.25	-1,698.74	2,182.97	2,163.57	19.40	112.518		
2,200.00	2,163.43	2,164.70	2,164.66	10.88	9.62	129.66	-1,033.66	-1,698.65	2,197.33	2,177.07	20.26	108.443		
2,300.00	2,260.95	2,256.34	2,256.30	11.38	9.99	130.07	-1,033.72	-1,698.92	2,212.03	2,190.93	21.10	104.820		
2,400.00	2,358.46	2,354.53	2,354.49	11.89	10.38	130.50	-1,034.11	-1,699.28	2,227.05	2,205.07	21.98	101.335		
2,500.00	2,455.98	2,455.82	2,455.78	12.39	10.80	130.93	-1,034.61	-1,699.39	2,241.98	2,219.12	22.87	98.039		
2,600.00	2,553.50	2,555.42	2,555.38	12.89	11.20	131.34	-1,035.10	-1,699.40	2,256.95	2,233.19	23.75	95.012		
2,700.00	2,651.02	2,656.50	2,656.45	13.40	11.62	131.76	-1,035.47	-1,699.32	2,271.91	2,247.26	24.65	92.168		
2,800.00	2,748.54	2,752.02	2,751.98	13.91	12.01	132.15	-1,035.86	-1,699.14	2,286.88	2,261.36	25.52	89.609		
2,900.00	2,846.06	2,854.46	2,854.41	14.42	12.43	132.56	-1,036.61	-1,698.95	2,302.09	2,275.66	26.43	87.113		
3,000.00	2,943.58	2,953.55	2,953.50	14.93	12.84	132.94	-1,037.16	-1,698.40	2,317.00	2,289.68	27.32	84.817		
3,100.00	3,041.10	3,048.39	3,048.34	15.45	13.24	133.32	-1,037.51	-1,698.20	2,332.26	2,304.07	28.19	82.734		
3,200.00	3,138.61	3,142.55	3,142.50	15.96	13.63	133.68	-1,037.78	-1,697.99	2,347.59	2,318.53	29.06	80.786		
3,300.00	3,236.13	3,229.92	3,229.87	16.47	13.99	134.02	-1,038.08	-1,698.14	2,363.41	2,333.51	29.90	79.055		
3,400.00	3,333.65	3,322.91	3,322.85	16.99	14.38	134.38	-1,038.32	-1,698.67	2,379.65	2,348.89	30.76	77.361		
3,500.00	3,431.17	3,424.28	3,424.22	17.50	14.80	134.76	-1,038.85	-1,699.09	2,395.94	2,364.27	31.67	75.657		
3,600.00	3,528.69	3,518.56	3,518.50	18.02	15.20	135.11	-1,039.18	-1,699.50	2,412.31	2,379.77	32.54	74.131		
3,700.00	3,626.21	3,607.38	3,607.31	18.54	15.57	135.44	-1,039.59	-1,700.15	2,429.06	2,395.68	33.39	72.758		
3,800.00	3,723.73	3,715.92	3,715.85	19.06	16.02	135.82	-1,040.62	-1,700.69	2,445.84	2,411.50	34.33	71.239		
3,900.00	3,821.25	3,810.77	3,810.69	19.57	16.42	136.15	-1,041.71	-1,700.94	2,462.55	2,427.34	35.21	69.939		
4,000.00	3,918.77	3,899.75	3,899.67	20.09	16.79	136.45	-1,042.68	-1,701.40	2,479.54	2,443.49	36.06	68.769		
4,100.00	4,016.28	3,987.93	3,987.84	20.61	17.16	136.75	-1,043.36	-1,702.26	2,496.97	2,460.07	36.90	67.674		
4,200.00	4,113.80	4,083.45	4,083.35	21.13	17.57	137.09	-1,043.76	-1,703.53	2,514.72	2,476.94	37.78	66.568		
4,300.00	4,211.32	4,179.13	4,179.02	21.65	17.97	137.42	-1,044.05	-1,704.88	2,532.59	2,493.93	38.66	65.514		
4,400.00	4,308.84	4,299.80	4,299.68	22.17	18.48	137.85	-1,043.53	-1,706.40	2,550.25	2,510.58	39.67	64.281		
4,500.00	4,406.36	4,419.45	4,419.32	22.69	18.98	138.29	-1,042.16	-1,706.92	2,567.02	2,526.34	40.68	63.100		
4,600.00	4,503.88	4,525.58	4,525.45	23.21	19.42	138.66	-1,040.96	-1,706.65	2,583.24	2,541.62	41.62	62.072		
4,700.00	4,601.40	4,615.99	4,615.85	23.73	19.80	138.97	-1,040.45	-1,706.31	2,599.58	2,557.11	42.47	61.210		
4,800.00	4,698.92	4,711.18	4,711.04	24.26	20.20	139.29	-1,039.74	-1,706.23	2,616.24	2,572.89	43.35	60.355		
4,900.00	4,796.43	4,824.42	4,824.27	24.78	20.67	139.67	-1,038.62	-1,705.66	2,632.49	2,588.17	44.32	59.395		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,907.87	4,907.72	25.30	21.03	139.94	-1,038.24	-1,705.28	2,649.03	2,603.89	45.14	58.688		
5,100.00	4,991.47	5,018.44	5,018.28	25.82	21.49	140.29	-1,037.91	-1,704.58	2,665.49	2,619.39	46.10	57.822		
5,200.00	5,088.99	5,098.62	5,098.46	26.34	21.83	140.54	-1,037.47	-1,704.27	2,682.23	2,635.33	46.89	57.197		
5,300.00	5,186.51	5,190.20	5,190.04	26.87	22.21	140.83	-1,036.83	-1,704.37	2,699.47	2,651.72	47.75	56.530		
5,400.00	5,284.03	5,284.52	5,284.36	27.39	22.61	141.13	-1,036.13	-1,704.63	2,716.96	2,668.34	48.63	55.876		
5,500.00	5,381.55	5,380.37	5,380.20	27.91	23.02	141.43	-1,035.44	-1,704.98	2,734.61	2,685.10	49.51	55.238		
5,600.00	5,479.07	5,472.76	5,472.59	28.43	23.41	141.71	-1,034.91	-1,705.38	2,752.42	2,702.06	50.37	54.647		
5,700.00	5,576.58	5,575.44	5,575.27	28.96	23.84	142.02	-1,034.43	-1,705.88	2,770.38	2,719.09	51.29	54.017		
5,800.00	5,674.10	5,667.48	5,667.31	29.48	24.23	142.29	-1,034.03	-1,706.20	2,788.29	2,736.14	52.15	53.471		
5,900.00	5,771.62	5,766.84	5,766.67	30.00	24.65	142.58	-1,033.57	-1,706.76	2,806.46	2,753.41	53.05	52.906		
6,000.00	5,869.14	5,868.01	5,867.84	30.53	25.08	142.87	-1,033.01	-1,707.13	2,824.50	2,770.54	53.96	52.347		
6,100.00	5,966.66	5,957.81	5,957.64	31.05	25.46	143.13	-1,032.67	-1,707.47	2,842.64	2,787.84	54.80	51.871		
6,200.00	6,064.18	6,077.13	6,076.95	31.58	25.97	143.46	-1,032.46	-1,707.93	2,860.94	2,805.12	55.82	51.254		
6,300.00	6,161.70	6,163.98	6,163.80	32.10	26.33	143.69	-1,032.39	-1,707.70	2,878.66	2,822.01	56.65	50.817		
6,400.00	6,259.22	6,243.98	6,243.80	32.62	26.67	143.90	-1,032.58	-1,708.03	2,897.12	2,839.68	57.43	50.442		
6,500.00	6,356.74	6,325.86	6,325.67	33.15	27.02	144.10	-1,033.26	-1,708.70	2,916.11	2,857.88	58.23	50.079		
6,600.00	6,454.25	6,403.00	6,402.80	33.67	27.35	144.29	-1,033.86	-1,709.85	2,935.79	2,876.80	58.99	49.764		
6,623.48	6,477.15	6,425.30	6,425.09	33.80	27.44	144.35	-1,033.96	-1,710.27	2,940.50	2,881.30	59.20	49.671		
6,650.00	6,503.12	6,450.57	6,450.36	33.93	27.55	138.89	-1,033.98	-1,710.76	2,945.29	2,885.86	59.43	49.560		
6,700.00	6,552.50	6,498.62	6,498.40	34.16	27.75	120.20	-1,033.75	-1,711.76	2,951.41	2,891.56	59.85	49.312		
6,750.00	6,602.21	6,545.69	6,545.45	34.36	27.95	82.31	-1,033.25	-1,712.81	2,953.71	2,893.46	60.25	49.025		
6,800.00	6,651.92	6,592.76	6,592.51	34.54	28.15	43.46	-1,032.56	-1,713.93	2,952.19	2,891.57	60.62	48.701		
6,850.00	6,701.33	6,706.16	6,705.87	34.70	28.64	23.95	-1,030.30	-1,715.61	2,946.38	2,885.00	61.37	48.009		
6,900.00	6,750.14	6,745.36	6,745.07	34.86	28.80	14.40	-1,029.52	-1,715.83	2,936.24	2,874.58	61.65	47.624		
6,950.00	6,798.04	6,787.87	6,787.56	35.02	28.98	8.99	-1,028.86	-1,716.11	2,922.43	2,860.48	61.94	47.180		
7,000.00	6,844.75	6,833.72	6,833.41	35.19	29.18	5.50	-1,028.28	-1,716.46	2,905.00	2,842.76	62.24	46.676		
7,050.00	6,889.97	6,879.86	6,879.55	35.37	29.37	3.00	-1,027.62	-1,716.81	2,883.98	2,821.46	62.52	46.127		
7,100.00	6,933.42	6,927.60	6,927.27	35.57	29.58	1.03	-1,026.83	-1,717.15	2,859.49	2,796.68	62.81	45.529		
7,150.00	6,974.83	6,975.69	6,975.35	35.79	29.78	-0.63	-1,025.87	-1,717.42	2,831.61	2,768.53	63.08	44.887		
7,200.00	7,013.96	7,018.86	7,018.52	36.02	29.97	-2.17	-1,024.88	-1,717.59	2,800.54	2,737.21	63.32	44.226		
7,250.00	7,050.56	7,056.90	7,056.54	36.28	30.13	-3.70	-1,024.00	-1,717.71	2,766.51	2,702.98	63.53	43.549		
7,300.00	7,084.39	7,092.05	7,091.69	36.57	30.28	-5.32	-1,023.18	-1,717.80	2,729.75	2,666.04	63.71	42.847		
7,350.00	7,115.27	7,123.23	7,122.86	36.89	30.41	-7.16	-1,022.46	-1,717.88	2,690.49	2,626.63	63.87	42.127		
7,400.00	7,142.99	7,150.98	7,150.60	37.25	30.53	-9.35	-1,021.82	-1,717.94	2,649.00	2,585.00	64.00	41.388		
7,450.00	7,167.38	7,175.41	7,175.03	37.65	30.63	-12.13	-1,021.26	-1,718.00	2,605.53	2,541.40	64.12	40.632		
7,500.00	7,188.30	7,196.39	7,195.99	38.08	30.72	-15.86	-1,020.77	-1,718.04	2,560.34	2,496.11	64.23	39.863		
7,550.00	7,205.61	7,213.76	7,213.37	38.55	30.80	-21.14	-1,020.37	-1,718.08	2,513.73	2,449.41	64.32	39.082		
7,600.00	7,219.20	7,227.44	7,227.04	39.06	30.85	-29.15	-1,020.06	-1,718.12	2,465.98	2,401.59	64.40	38.294		
7,650.00	7,229.00	7,237.34	7,236.93	39.61	30.90	-42.00	-1,019.83	-1,718.14	2,417.40	2,352.93	64.46	37.500		
7,700.00	7,234.95	7,243.38	7,242.98	40.18	30.92	-62.59	-1,019.69	-1,718.15	2,368.28	2,303.76	64.52	36.706		
7,750.07	7,237.00	7,245.55	7,245.14	40.78	30.93	-89.83	-1,019.64	-1,718.16	2,318.88	2,254.30	64.57	35.911		
7,800.00	7,237.09	7,245.76	7,245.36	41.41	30.93	-89.86	-1,019.63	-1,718.16	2,269.61	2,204.98	64.62	35.121		
7,900.00	7,237.28	7,246.19	7,245.78	42.79	30.93	-89.93	-1,019.62	-1,718.16	2,171.03	2,106.29	64.74	33.535		
8,000.00	7,237.47	7,246.61	7,246.21	44.31	30.94	-89.99	-1,019.61	-1,718.16	2,072.59	2,007.71	64.88	31.944		
8,100.00	7,237.65	7,247.04	7,246.63	45.97	30.94	-90.06	-1,019.60	-1,718.16	1,974.31	1,909.26	65.05	30.348		
8,200.00	7,237.84	7,247.46	7,247.06	47.75	30.94	-90.12	-1,019.59	-1,718.16	1,876.21	1,810.94	65.27	28.747		
8,300.00	7,238.02	7,247.89	7,247.48	49.63	30.94	-90.19	-1,019.58	-1,718.16	1,778.32	1,712.80	65.52	27.140		
8,400.00	7,238.21	7,248.32	7,247.91	51.61	30.94	-90.25	-1,019.57	-1,718.16	1,680.68	1,614.84	65.84	25.527		
8,500.00	7,238.40	7,248.74	7,248.33	53.66	30.94	-90.32	-1,019.56	-1,718.17	1,583.34	1,517.11	66.23	23.907		
8,600.00	7,238.58	7,249.17	7,248.76	55.79	30.95	-90.38	-1,019.55	-1,718.17	1,486.34	1,419.63	66.71	22.281		
8,700.00	7,238.77	7,249.59	7,249.19	57.99	30.95	-90.45	-1,019.54	-1,718.17	1,389.77	1,322.47	67.31	20.648		
8,800.00	7,238.96	7,250.02	7,249.61	60.24	30.95	-90.51	-1,019.54	-1,718.17	1,293.73	1,225.67	68.06	19.010		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,250.44	7,250.04	62.54	30.95	-90.58	-1,019.53	-1,718.17	1,198.33	1,129.33	69.00	17.367		
9,000.00	7,239.33	7,250.87	7,250.46	64.88	30.95	-90.64	-1,019.52	-1,718.17	1,103.74	1,033.54	70.20	15.723		
9,100.00	7,239.52	7,251.29	7,250.89	67.27	30.96	-90.71	-1,019.51	-1,718.17	1,010.20	938.47	71.74	14.082		
9,200.00	7,239.70	7,251.72	7,251.31	69.69	30.96	-90.78	-1,019.50	-1,718.17	918.02	844.30	73.72	12.453		
9,300.00	7,239.89	7,252.15	7,251.74	72.15	30.96	-90.84	-1,019.49	-1,718.17	827.66	751.36	76.30	10.847		
9,400.00	7,240.07	7,252.57	7,252.16	74.63	30.96	-90.91	-1,019.48	-1,718.17	739.79	660.10	79.68	9.284		
9,500.00	7,240.26	7,253.00	7,252.59	77.14	30.96	-90.97	-1,019.47	-1,718.17	655.39	571.29	84.10	7.793		
9,600.00	7,240.45	7,253.42	7,253.01	79.68	30.96	-91.04	-1,019.46	-1,718.18	576.02	486.18	89.84	6.412		
9,700.00	7,240.63	7,253.85	7,253.44	82.23	30.97	-91.10	-1,019.45	-1,718.18	504.04	406.96	97.08	5.192		
9,800.00	7,240.82	7,254.27	7,253.87	84.81	30.97	-91.17	-1,019.44	-1,718.18	443.07	337.43	105.63	4.194		
9,900.00	7,241.01	7,254.70	7,254.29	87.40	30.97	-91.23	-1,019.43	-1,718.18	398.20	283.87	114.33	3.483		
10,000.00	7,241.19	7,255.12	7,254.72	90.01	30.97	-91.30	-1,019.42	-1,718.18	375.26	254.59	120.67	3.110		
10,038.72	7,241.26	7,255.29	7,254.88	91.03	30.97	-91.32	-1,019.41	-1,718.18	373.26	251.38	121.88	3.063 CC, ES, SF		
10,100.00	7,241.38	7,255.55	7,255.14	92.64	30.97	-91.36	-1,019.41	-1,718.18	378.25	256.17	122.08	3.098		
10,200.00	7,241.56	7,255.98	7,255.57	95.28	30.98	-91.43	-1,019.40	-1,718.18	406.61	288.12	118.49	3.432		
10,300.00	7,241.75	7,256.40	7,255.99	97.93	30.98	-91.49	-1,019.39	-1,718.18	455.61	343.44	112.17	4.062		
10,400.00	7,241.94	7,256.83	7,256.42	100.59	30.98	-91.56	-1,019.38	-1,718.18	519.46	414.05	105.41	4.928		
10,500.00	7,242.12	7,257.25	7,256.84	103.26	30.98	-91.62	-1,019.37	-1,718.18	593.37	494.03	99.34	5.973		
10,600.00	7,242.31	7,257.68	7,257.27	105.95	30.98	-91.69	-1,019.36	-1,718.19	674.05	579.78	94.27	7.150		
10,700.00	7,242.50	7,258.10	7,257.69	108.64	30.98	-91.75	-1,019.35	-1,718.19	759.34	669.18	90.16	8.423		
10,800.00	7,242.68	7,258.53	7,258.12	111.34	30.99	-91.82	-1,019.34	-1,718.19	847.85	761.01	86.84	9.764		
10,900.00	7,242.87	7,258.95	7,258.55	114.05	30.99	-91.89	-1,019.33	-1,718.19	938.67	854.52	84.15	11.154		
11,000.00	7,243.05	7,259.38	7,258.97	116.76	30.99	-91.95	-1,019.32	-1,718.19	1,031.19	949.22	81.97	12.580		
11,100.00	7,243.24	7,259.81	7,259.40	119.49	30.99	-92.02	-1,019.31	-1,718.19	1,124.99	1,044.82	80.17	14.032		
11,200.00	7,243.43	7,260.23	7,259.82	122.22	30.99	-92.08	-1,019.30	-1,718.19	1,219.78	1,141.09	78.69	15.502		
11,300.00	7,243.61	7,260.66	7,260.25	124.95	31.00	-92.15	-1,019.29	-1,718.19	1,315.34	1,237.89	77.44	16.984		
11,400.00	7,243.80	7,261.08	7,260.67	127.69	31.00	-92.21	-1,019.28	-1,718.19	1,411.51	1,335.11	76.40	18.476		
11,500.00	7,243.99	7,261.51	7,261.10	130.44	31.00	-92.28	-1,019.27	-1,718.19	1,508.18	1,432.67	75.51	19.973		
11,600.00	7,244.17	7,261.93	7,261.52	133.19	31.00	-92.34	-1,019.26	-1,718.20	1,605.26	1,530.51	74.75	21.475		
11,700.00	7,244.36	7,262.36	7,261.95	135.94	31.00	-92.41	-1,019.25	-1,718.20	1,702.68	1,628.58	74.10	22.979		
11,800.00	7,244.55	7,262.78	7,262.37	138.70	31.00	-92.47	-1,019.24	-1,718.20	1,800.38	1,726.84	73.53	24.484		
11,900.00	7,244.73	7,263.21	7,262.80	141.47	31.01	-92.54	-1,019.23	-1,718.20	1,898.32	1,825.27	73.04	25.989		
12,000.00	7,244.92	7,263.64	7,263.23	144.24	31.01	-92.60	-1,019.22	-1,718.20	1,996.46	1,923.85	72.61	27.494		
12,100.00	7,245.10	7,264.06	7,263.65	147.01	31.01	-92.67	-1,019.21	-1,718.20	2,094.78	2,022.54	72.24	28.998		
12,200.00	7,245.29	7,264.49	7,264.08	149.78	31.01	-92.73	-1,019.20	-1,718.20	2,193.25	2,121.34	71.91	30.501		
12,300.00	7,245.48	7,264.91	7,264.50	152.56	31.01	-92.80	-1,019.19	-1,718.20	2,291.85	2,220.24	71.62	32.001		
12,400.00	7,245.66	7,265.34	7,264.93	155.34	31.01	-92.87	-1,019.18	-1,718.20	2,390.57	2,319.21	71.36	33.500		
12,500.00	7,245.85	7,265.76	7,265.35	158.12	31.02	-92.93	-1,019.17	-1,718.20	2,489.40	2,418.26	71.13	34.996		
12,600.00	7,246.04	7,266.19	7,265.78	160.91	31.02	-93.00	-1,019.16	-1,718.21	2,588.31	2,517.38	70.93	36.490		
12,700.00	7,246.22	7,266.62	7,266.20	163.70	31.02	-93.06	-1,019.15	-1,718.21	2,687.30	2,616.55	70.75	37.981		
12,800.00	7,246.41	7,267.04	7,266.63	166.49	31.02	-93.13	-1,019.14	-1,718.21	2,786.36	2,715.77	70.60	39.470		
12,900.00	7,246.59	7,267.47	7,267.06	169.28	31.02	-93.19	-1,019.13	-1,718.21	2,885.49	2,815.04	70.46	40.955		
13,000.00	7,246.78	7,267.89	7,267.48	172.08	31.03	-93.26	-1,019.12	-1,718.21	2,984.68	2,914.35	70.33	42.437		
13,100.00	7,246.97	7,268.32	7,267.91	174.88	31.03	-93.32	-1,019.11	-1,718.21	3,083.92	3,013.70	70.22	43.917		
13,200.00	7,247.15	7,268.74	7,268.33	177.68	31.03	-93.39	-1,019.10	-1,718.21	3,183.21	3,113.08	70.13	45.393		
13,300.00	7,247.34	7,269.17	7,268.76	180.48	31.03	-93.45	-1,019.09	-1,718.21	3,282.54	3,212.49	70.04	46.865		
13,400.00	7,247.53	7,269.59	7,269.18	183.28	31.03	-93.52	-1,019.08	-1,718.21	3,381.91	3,311.94	69.97	48.335		
13,500.00	7,247.71	7,270.02	7,269.61	186.09	31.03	-93.58	-1,019.07	-1,718.21	3,481.31	3,411.41	69.90	49.801		
13,600.00	7,247.90	7,270.45	7,270.03	188.90	31.04	-93.65	-1,019.06	-1,718.22	3,580.75	3,510.90	69.85	51.264		
13,700.00	7,248.08	7,270.87	7,270.46	191.70	31.04	-93.71	-1,019.05	-1,718.22	3,680.22	3,610.42	69.80	52.723		
13,800.00	7,248.27	7,271.30	7,270.88	194.52	31.04	-93.78	-1,019.04	-1,718.22	3,779.72	3,709.95	69.76	54.179		
13,900.00	7,248.46	7,271.72	7,271.31	197.33	31.04	-93.84	-1,019.03	-1,718.22	3,879.24	3,809.51	69.73	55.631		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	7,272.15	7,271.74	200.14	31.04	-93.91	-1,019.02	-1,718.22	3,978.79	3,909.08	69.71	57.079		
14,100.00	7,248.83	7,272.57	7,272.16	202.95	31.05	-93.97	-1,019.01	-1,718.22	4,078.36	4,008.67	69.69	58.524		
14,200.00	7,249.02	7,273.00	7,272.59	205.77	31.05	-94.04	-1,019.00	-1,718.22	4,177.94	4,108.27	69.67	59.965		
14,300.00	7,249.20	7,273.42	7,273.01	208.59	31.05	-94.10	-1,018.99	-1,718.22	4,277.55	4,207.89	69.66	61.403		
14,400.00	7,249.39	7,273.85	7,273.44	211.41	31.05	-94.17	-1,018.98	-1,718.22	4,377.18	4,307.52	69.66	62.836		
14,500.00	7,249.58	7,274.28	7,273.86	214.23	31.05	-94.23	-1,018.97	-1,718.22	4,476.82	4,407.16	69.66	64.266		
14,600.00	7,249.76	7,274.70	7,274.29	217.05	31.05	-94.30	-1,018.96	-1,718.22	4,576.48	4,506.82	69.67	65.692		
14,700.00	7,249.95	7,275.13	7,274.71	219.87	31.06	-94.37	-1,018.96	-1,718.23	4,676.15	4,606.48	69.68	67.114		
14,800.00	7,250.13	7,275.55	7,275.14	222.69	31.06	-94.43	-1,018.95	-1,718.23	4,775.84	4,706.15	69.69	68.532		
14,900.00	7,250.32	7,275.98	7,275.56	225.51	31.06	-94.50	-1,018.94	-1,718.23	4,875.54	4,805.84	69.70	69.946		
15,000.00	7,250.51	7,276.40	7,275.99	228.34	31.06	-94.56	-1,018.93	-1,718.23	4,975.25	4,905.53	69.72	71.356		
15,100.00	7,250.69	7,276.83	7,276.42	231.16	31.06	-94.63	-1,018.92	-1,718.23	5,074.97	5,005.23	69.75	72.762		
15,200.00	7,250.88	7,277.25	7,276.84	233.99	31.07	-94.69	-1,018.91	-1,718.23	5,174.71	5,104.93	69.77	74.164		
15,300.00	7,251.07	7,277.68	7,277.27	236.82	31.07	-94.76	-1,018.90	-1,718.23	5,274.45	5,204.65	69.80	75.562		
15,400.00	7,251.25	7,278.11	7,277.69	239.65	31.07	-94.82	-1,018.89	-1,718.23	5,374.20	5,304.37	69.84	76.955		
15,500.00	7,251.44	7,278.53	7,278.12	242.47	31.07	-94.89	-1,018.88	-1,718.23	5,473.97	5,404.10	69.87	78.345		
15,600.00	7,251.62	7,278.96	7,278.54	245.30	31.07	-94.95	-1,018.87	-1,718.23	5,573.74	5,503.83	69.91	79.730		
15,700.00	7,251.81	7,279.38	7,278.97	248.13	31.07	-95.02	-1,018.86	-1,718.24	5,673.52	5,603.57	69.95	81.111		
15,800.00	7,252.00	7,279.81	7,279.39	250.97	31.08	-95.08	-1,018.85	-1,718.24	5,773.30	5,703.31	69.99	82.488		
15,900.00	7,252.18	7,280.23	7,279.82	253.80	31.08	-95.15	-1,018.84	-1,718.24	5,873.10	5,803.06	70.03	83.861		
16,000.00	7,252.37	7,280.66	7,280.24	256.63	31.08	-95.21	-1,018.83	-1,718.24	5,972.90	5,902.82	70.08	85.229		
16,100.00	7,252.56	7,281.08	7,280.67	259.46	31.08	-95.28	-1,018.82	-1,718.24	6,072.70	6,002.57	70.13	86.593		
16,200.00	7,252.74	7,281.51	7,281.10	262.30	31.08	-95.34	-1,018.81	-1,718.24	6,172.52	6,102.34	70.18	87.953		
16,300.00	7,252.93	7,281.94	7,281.52	265.13	31.09	-95.41	-1,018.80	-1,718.24	6,272.33	6,202.10	70.23	89.308		
16,400.00	7,253.11	7,282.36	7,281.95	267.96	31.09	-95.47	-1,018.79	-1,718.24	6,372.16	6,301.87	70.29	90.659		
16,500.00	7,253.30	7,282.79	7,282.37	270.80	31.09	-95.54	-1,018.78	-1,718.24	6,471.99	6,401.65	70.34	92.005		
16,600.00	7,253.49	7,283.21	7,282.80	273.64	31.09	-95.60	-1,018.77	-1,718.24	6,571.82	6,501.42	70.40	93.347		
16,700.00	7,253.67	7,283.64	7,283.22	276.47	31.09	-95.67	-1,018.76	-1,718.25	6,671.66	6,601.20	70.46	94.685		
16,800.00	7,253.86	7,284.06	7,283.65	279.31	31.09	-95.73	-1,018.75	-1,718.25	6,771.51	6,700.99	70.52	96.018		
16,900.00	7,254.05	7,284.49	7,284.07	282.15	31.10	-95.80	-1,018.74	-1,718.25	6,871.36	6,800.77	70.59	97.346		
17,000.00	7,254.23	7,284.91	7,284.50	284.98	31.10	-95.86	-1,018.73	-1,718.25	6,971.21	6,900.56	70.65	98.670		
17,100.00	7,254.42	7,285.34	7,284.92	287.82	31.10	-95.93	-1,018.72	-1,718.25	7,071.07	7,000.35	70.72	99.990		
17,200.00	7,254.61	7,285.77	7,285.35	290.66	31.10	-95.99	-1,018.71	-1,718.25	7,170.93	7,100.15	70.79	101.304		
17,300.00	7,254.79	7,286.19	7,285.78	293.50	31.10	-96.06	-1,018.70	-1,718.25	7,270.80	7,199.94	70.86	102.615		
17,400.00	7,254.98	7,286.62	7,286.20	296.34	31.11	-96.12	-1,018.69	-1,718.25	7,370.67	7,299.74	70.93	103.921		
17,500.00	7,255.16	7,287.04	7,286.63	299.18	31.11	-96.19	-1,018.68	-1,718.25	7,470.54	7,399.54	71.00	105.222		
17,600.00	7,255.35	7,287.47	7,287.05	302.02	31.11	-96.25	-1,018.67	-1,718.25	7,570.41	7,499.34	71.07	106.518		
17,700.00	7,255.54	7,287.89	7,287.48	304.86	31.11	-96.32	-1,018.66	-1,718.26	7,670.29	7,599.15	71.15	107.810		
17,800.00	7,255.72	7,288.32	7,287.90	307.70	31.11	-96.38	-1,018.65	-1,718.26	7,770.18	7,698.95	71.22	109.097		
17,900.00	7,255.91	7,288.75	7,288.33	310.54	31.11	-96.44	-1,018.64	-1,718.26	7,870.06	7,798.76	71.30	110.380		
18,000.00	7,256.10	7,289.17	7,288.75	313.39	31.12	-96.51	-1,018.63	-1,718.26	7,969.95	7,898.57	71.38	111.658		
18,100.00	7,256.28	7,289.60	7,289.18	316.23	31.12	-96.57	-1,018.62	-1,718.26	8,069.84	7,998.38	71.46	112.931		
18,200.00	7,256.47	7,290.02	7,289.60	319.07	31.12	-96.64	-1,018.61	-1,718.26	8,169.73	8,098.19	71.54	114.199		
18,300.00	7,256.65	7,290.45	7,290.03	321.91	31.12	-96.70	-1,018.60	-1,718.26	8,269.63	8,198.01	71.62	115.463		
18,400.00	7,256.84	7,290.87	7,290.46	324.76	31.12	-96.77	-1,018.59	-1,718.26	8,369.53	8,297.82	71.70	116.722		
18,500.00	7,257.03	7,291.30	7,290.88	327.60	31.13	-96.83	-1,018.58	-1,718.26	8,469.43	8,397.64	71.79	117.977		
18,600.00	7,257.21	7,291.72	7,291.31	330.44	31.13	-96.90	-1,018.57	-1,718.26	8,569.33	8,497.46	71.87	119.226		
18,700.00	7,257.40	7,292.15	7,291.73	333.29	31.13	-96.96	-1,018.56	-1,718.27	8,669.24	8,597.28	71.96	120.471		
18,800.00	7,257.59	7,292.58	7,292.16	336.13	31.13	-97.03	-1,018.55	-1,718.27	8,769.14	8,697.09	72.05	121.711		
18,900.00	7,257.77	7,293.00	7,292.58	338.98	31.13	-97.09	-1,018.54	-1,718.27	8,869.05	8,796.92	72.14	122.947		
19,000.00	7,257.96	7,293.43	7,293.01	341.82	31.13	-97.16	-1,018.53	-1,718.27	8,968.96	8,896.74	72.23	124.177		
19,022.43	7,258.00	7,293.52	7,293.10	342.46	31.14	-97.17	-1,018.53	-1,718.27	8,991.37	8,919.13	72.25	124.453		

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

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-137.31	-799.64	-737.54	1,088.01					
100.00	100.00	81.00	81.00	3.28	3.57	-137.31	-799.64	-737.54	1,087.84	1,080.98	6.86	158.659		
200.00	200.00	181.00	181.00	3.34	5.63	-137.31	-799.64	-737.54	1,087.84	1,078.88	8.96	121.345		
300.00	300.00	281.00	281.00	3.44	8.71	-137.31	-799.64	-737.54	1,087.84	1,075.69	12.15	89.529		
400.00	399.98	380.98	380.98	3.60	12.01	106.76	-799.64	-737.54	1,088.34	1,072.73	15.61	69.726		
500.00	499.84	480.84	480.84	3.79	15.39	107.00	-799.64	-737.54	1,089.86	1,070.68	19.19	56.806		
600.00	599.45	580.45	580.45	4.03	18.81	107.38	-799.64	-737.54	1,092.45	1,069.62	22.83	47.843		
700.00	698.70	679.70	679.70	4.30	22.23	107.92	-799.64	-737.54	1,096.17	1,069.64	26.53	41.321		
800.00	797.47	778.47	778.47	4.61	25.64	108.59	-799.64	-737.54	1,101.13	1,070.87	30.25	36.398		
900.00	895.62	876.62	876.62	4.96	29.04	109.39	-799.64	-737.54	1,107.44	1,073.44	34.00	32.573		
939.50	934.20	915.20	915.20	5.10	30.38	109.74	-799.64	-737.54	1,110.34	1,074.86	35.48	31.293		
1,000.00	993.20	974.20	974.20	5.33	32.43	110.37	-799.64	-737.54	1,115.04	1,077.28	37.76	29.530		
1,100.00	1,090.72	1,071.72	1,071.72	5.73	35.82	111.41	-799.64	-737.54	1,123.10	1,081.56	41.55	27.033		
1,200.00	1,188.24	1,169.24	1,169.24	6.15	39.21	112.43	-799.64	-737.54	1,131.55	1,086.20	45.35	24.951		
1,300.00	1,285.76	1,266.76	1,266.76	6.59	42.60	113.44	-799.64	-737.54	1,140.36	1,091.19	49.17	23.190		
1,400.00	1,383.28	1,364.28	1,364.28	7.04	46.00	114.43	-799.64	-737.54	1,149.53	1,096.52	53.01	21.686		
1,500.00	1,480.80	1,461.80	1,461.80	7.50	49.39	115.41	-799.64	-737.54	1,159.05	1,102.20	56.85	20.386		
1,600.00	1,578.31	1,559.31	1,559.31	7.96	52.79	116.37	-799.64	-737.54	1,168.92	1,108.21	60.71	19.255		
1,700.00	1,675.83	1,656.83	1,656.83	8.44	56.19	117.31	-799.64	-737.54	1,179.11	1,114.55	64.57	18.262		
1,800.00	1,773.35	1,754.35	1,754.35	8.92	59.59	118.24	-799.64	-737.54	1,189.63	1,121.20	68.43	17.384		
1,900.00	1,870.87	1,851.87	1,851.87	9.40	62.99	119.15	-799.64	-737.54	1,200.47	1,128.17	72.30	16.604		
2,000.00	1,968.39	1,949.39	1,949.39	9.89	66.39	120.05	-799.64	-737.54	1,211.62	1,135.44	76.17	15.906		
2,100.00	2,065.91	2,046.91	2,046.91	10.39	69.79	120.93	-799.64	-737.54	1,223.06	1,143.01	80.05	15.279		
2,200.00	2,163.43	2,144.43	2,144.43	10.88	73.19	121.80	-799.64	-737.54	1,234.79	1,150.87	83.93	14.713		
2,300.00	2,260.95	2,241.95	2,241.95	11.38	76.59	122.65	-799.64	-737.54	1,246.81	1,159.00	87.81	14.200		
2,400.00	2,358.46	2,339.46	2,339.46	11.89	79.99	123.48	-799.64	-737.54	1,259.10	1,167.42	91.69	13.733		
2,500.00	2,455.98	2,436.98	2,436.98	12.39	83.39	124.30	-799.64	-737.54	1,271.66	1,176.09	95.57	13.306		
2,600.00	2,553.50	2,534.50	2,534.50	12.89	86.80	125.10	-799.64	-737.54	1,284.48	1,185.03	99.45	12.916		
2,700.00	2,651.02	2,632.02	2,632.02	13.40	90.20	125.89	-799.64	-737.54	1,297.55	1,194.22	103.33	12.557		
2,800.00	2,748.54	2,729.54	2,729.54	13.91	93.60	126.66	-799.64	-737.54	1,310.86	1,203.64	107.21	12.227		
2,900.00	2,846.06	2,827.06	2,827.06	14.42	97.00	127.42	-799.64	-737.54	1,324.41	1,213.31	111.10	11.921		
3,000.00	2,943.58	2,924.58	2,924.58	14.93	100.41	128.16	-799.64	-737.54	1,338.18	1,223.20	114.98	11.639		
3,100.00	3,041.10	3,022.10	3,022.10	15.45	103.81	128.88	-799.64	-737.54	1,352.18	1,233.32	118.86	11.376		
3,200.00	3,138.61	3,119.61	3,119.61	15.96	107.21	129.60	-799.64	-737.54	1,366.40	1,243.65	122.74	11.132		
3,300.00	3,236.13	3,217.13	3,217.13	16.47	110.61	130.29	-799.64	-737.54	1,380.82	1,254.19	126.63	10.905		
3,400.00	3,333.65	3,314.65	3,314.65	16.99	114.02	130.98	-799.64	-737.54	1,395.45	1,264.94	130.51	10.692		
3,500.00	3,431.17	3,412.17	3,412.17	17.50	117.42	131.65	-799.64	-737.54	1,410.27	1,275.88	134.39	10.494		
3,600.00	3,528.69	3,509.69	3,509.69	18.02	120.82	132.30	-799.64	-737.54	1,425.28	1,287.01	138.27	10.308		
3,700.00	3,626.21	3,607.21	3,607.21	18.54	124.23	132.95	-799.64	-737.54	1,440.47	1,298.32	142.15	10.133		
3,800.00	3,723.73	3,704.73	3,704.73	19.06	127.63	133.58	-799.64	-737.54	1,455.85	1,309.81	146.03	9.969		
3,900.00	3,821.25	3,802.25	3,802.25	19.57	131.03	134.19	-799.64	-737.54	1,471.39	1,321.48	149.91	9.815		
4,000.00	3,918.77	3,900.24	3,899.77	20.09	134.45	134.80	-799.64	-737.54	1,487.10	1,333.29	153.81	9.669		
4,100.00	4,016.28	4,002.72	3,997.28	20.61	138.03	135.39	-799.64	-737.54	1,502.98	1,345.12	157.86	9.521		
4,200.00	4,113.80	4,105.20	4,094.80	21.13	141.61	135.97	-799.64	-737.54	1,519.01	1,357.10	161.91	9.382		
4,300.00	4,211.32	4,207.68	4,192.32	21.65	145.18	136.53	-799.64	-737.54	1,535.19	1,369.23	165.96	9.250		
4,400.00	4,308.84	4,289.84	4,289.84	22.17	148.05	137.09	-799.64	-737.54	1,551.52	1,382.21	169.31	9.164		
4,500.00	4,406.36	4,387.36	4,387.36	22.69	151.45	137.64	-799.64	-737.54	1,567.99	1,394.81	173.18	9.054		
4,600.00	4,503.88	4,484.88	4,484.88	23.21	154.86	138.17	-799.64	-737.54	1,584.60	1,407.54	177.06	8.949		
4,700.00	4,601.40	4,582.40	4,582.40	23.73	158.26	138.69	-799.64	-737.54	1,601.35	1,420.41	180.94	8.850		
4,800.00	4,698.92	4,679.92	4,679.92	24.26	161.66	139.20	-799.64	-737.54	1,618.22	1,433.41	184.82	8.756		
4,900.00	4,796.43	4,777.43	4,777.43	24.78	165.07	139.70	-799.64	-737.54	1,635.22	1,446.53	188.69	8.666		
5,000.00	4,893.95	4,874.95	4,874.95	25.30	168.47	140.20	-799.64	-737.54	1,652.34	1,459.77	192.57	8.581		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,972.47	4,972.47	25.82	171.88	140.68	-799.64	-737.54	1,669.58	1,473.14	196.44	8.499		
5,200.00	5,088.99	5,069.99	5,069.99	26.34	175.28	141.15	-799.64	-737.54	1,686.93	1,486.62	200.32	8.421		
5,300.00	5,186.51	5,167.51	5,167.51	26.87	178.68	141.61	-799.64	-737.54	1,704.40	1,500.21	204.19	8.347		
5,400.00	5,284.03	5,265.03	5,265.03	27.39	182.09	142.07	-799.64	-737.54	1,721.97	1,513.90	208.07	8.276		
5,500.00	5,381.55	5,362.55	5,362.55	27.91	185.49	142.51	-799.64	-737.54	1,739.65	1,527.70	211.94	8.208		
5,600.00	5,479.07	5,460.07	5,460.07	28.43	188.89	142.94	-799.64	-737.54	1,757.42	1,541.61	215.82	8.143		
5,700.00	5,576.58	5,557.58	5,557.58	28.96	192.30	143.37	-799.64	-737.54	1,775.30	1,555.61	219.69	8.081		
5,800.00	5,674.10	5,655.10	5,655.10	29.48	195.70	143.79	-799.64	-737.54	1,793.27	1,569.70	223.56	8.021		
5,900.00	5,771.62	5,752.62	5,752.62	30.00	199.11	144.20	-799.64	-737.54	1,811.33	1,583.89	227.44	7.964		
6,000.00	5,869.14	5,850.14	5,850.14	30.53	202.51	144.60	-799.64	-737.54	1,829.48	1,598.17	231.31	7.909		
6,100.00	5,966.66	5,947.66	5,947.66	31.05	205.91	145.00	-799.64	-737.54	1,847.72	1,612.54	235.18	7.857		
6,200.00	6,064.18	6,045.18	6,045.18	31.58	209.32	145.38	-799.64	-737.54	1,866.04	1,626.99	239.06	7.806		
6,300.00	6,161.70	6,142.70	6,142.70	32.10	212.72	145.76	-799.64	-737.54	1,884.45	1,641.52	242.93	7.757		
6,400.00	6,259.22	6,240.22	6,240.22	32.62	216.13	146.14	-799.64	-737.54	1,902.93	1,656.13	246.80	7.710		
6,500.00	6,356.74	6,337.74	6,337.74	33.15	219.53	146.50	-799.64	-737.54	1,921.50	1,670.82	250.67	7.665		
6,600.00	6,454.25	6,435.25	6,435.25	33.67	222.93	146.86	-799.64	-737.54	1,940.13	1,685.59	254.54	7.622		
6,623.48	6,477.15	6,458.15	6,458.15	33.80	223.73	146.94	-799.64	-737.54	1,944.52	1,689.07	255.45	7.612		
6,650.00	6,503.12	6,484.12	6,484.12	33.93	224.64	141.49	-799.64	-737.54	1,948.94	1,692.46	256.48	7.599		
6,700.00	6,552.50	6,533.50	6,533.50	34.16	226.36	122.81	-799.64	-737.54	1,954.33	1,695.90	258.42	7.562		
6,750.00	6,602.21	6,583.21	6,583.21	34.36	228.10	84.94	-799.64	-737.54	1,955.84	1,695.47	260.36	7.512		
6,800.00	6,651.92	6,632.92	6,632.92	34.54	229.83	46.13	-799.64	-737.54	1,953.46	1,691.18	262.27	7.448		
6,850.00	6,701.33	6,682.33	6,682.33	34.70	231.56	26.54	-799.64	-737.54	1,947.20	1,683.05	264.15	7.372		
6,900.00	6,750.14	6,731.14	6,731.14	34.86	233.26	17.07	-799.64	-737.54	1,937.10	1,671.12	265.98	7.283		
6,950.00	6,798.04	6,779.04	6,779.04	35.02	234.93	11.77	-799.64	-737.54	1,923.21	1,655.45	267.77	7.182		
7,000.00	6,844.75	6,825.75	6,825.75	35.19	236.56	8.39	-799.64	-737.54	1,905.63	1,636.13	269.50	7.071		
7,050.00	6,889.97	6,870.97	6,870.97	35.37	238.14	6.03	-799.64	-737.54	1,884.46	1,613.30	271.16	6.950		
7,100.00	6,933.42	6,914.42	6,914.42	35.57	239.66	4.23	-799.64	-737.54	1,859.82	1,587.07	272.74	6.819		
7,150.00	6,974.83	6,955.83	6,955.83	35.79	241.11	2.76	-799.64	-737.54	1,831.86	1,557.62	274.25	6.680		
7,200.00	7,013.96	7,005.04	6,994.96	36.02	242.82	1.46	-799.64	-737.54	1,800.76	1,524.76	276.01	6.524		
7,250.00	7,050.56	7,031.56	7,031.56	36.28	243.75	0.24	-799.64	-737.54	1,766.72	1,489.75	276.96	6.379		
7,300.00	7,084.39	7,065.39	7,065.39	36.57	244.93	-1.01	-799.64	-737.54	1,729.92	1,451.76	278.17	6.219		
7,350.00	7,115.27	7,103.73	7,096.27	36.89	246.27	-2.38	-799.64	-737.54	1,690.62	1,411.10	279.52	6.048		
7,400.00	7,142.99	7,123.99	7,123.99	37.25	246.98	-3.98	-799.64	-737.54	1,649.04	1,368.80	280.24	5.884		
7,450.00	7,167.38	7,148.38	7,148.38	37.65	247.83	-5.98	-799.64	-737.54	1,605.45	1,324.35	281.09	5.711		
7,500.00	7,188.30	7,169.30	7,169.30	38.08	248.56	-8.68	-799.64	-737.54	1,560.11	1,278.28	281.83	5.536		
7,550.00	7,205.61	7,186.61	7,186.61	38.55	249.16	-12.61	-799.64	-737.54	1,513.31	1,230.87	282.44	5.358		
7,600.00	7,219.20	7,200.20	7,200.20	39.06	249.64	-18.86	-799.64	-737.54	1,465.34	1,182.42	282.92	5.179		
7,650.00	7,229.00	7,210.00	7,210.00	39.61	249.98	-30.00	-799.64	-737.54	1,416.50	1,133.23	283.28	5.000		
7,700.00	7,234.95	7,215.95	7,215.95	40.18	250.19	-51.98	-799.64	-737.54	1,367.10	1,083.60	283.50	4.822		
7,750.07	7,237.00	7,218.00	7,218.00	40.78	250.26	-89.07	-799.64	-737.54	1,317.38	1,033.77	283.61	4.645		
7,800.00	7,237.09	7,218.09	7,218.09	41.41	250.26	-89.10	-799.64	-737.54	1,267.78	984.13	283.65	4.470		
7,900.00	7,237.28	7,218.28	7,218.28	42.79	250.27	-89.17	-799.64	-737.54	1,168.54	884.78	283.76	4.118		
8,000.00	7,237.47	7,218.47	7,218.47	44.31	250.27	-89.24	-799.64	-737.54	1,069.44	785.55	283.89	3.767		
8,100.00	7,237.65	7,218.65	7,218.65	45.97	250.28	-89.32	-799.64	-737.54	970.52	686.45	284.07	3.416		
8,200.00	7,237.84	7,218.84	7,218.84	47.75	250.29	-89.39	-799.64	-737.54	871.85	587.53	284.32	3.066		
8,300.00	7,238.02	7,219.02	7,219.02	49.63	250.29	-89.46	-799.64	-737.54	773.53	488.86	284.67	2.717		
8,400.00	7,238.21	7,219.21	7,219.21	51.61	250.30	-89.53	-799.64	-737.54	675.69	390.52	285.17	2.369		
8,500.00	7,238.40	7,219.40	7,219.40	53.66	250.31	-89.60	-799.64	-737.54	578.59	292.65	285.94	2.023		
8,600.00	7,238.58	7,219.58	7,219.58	55.79	250.31	-89.67	-799.64	-737.54	482.69	195.50	287.18	1.681		
8,700.00	7,238.77	7,219.77	7,219.77	57.99	250.32	-89.74	-799.64	-737.54	388.84	99.51	289.33	1.344 Level 3		
8,800.00	7,238.96	7,219.96	7,219.96	60.24	250.33	-89.82	-799.64	-737.54	299.02	5.72	293.30	1.019 Level 2		
8,900.00	7,239.14	7,220.14	7,220.14	62.54	250.33	-89.89	-799.64	-737.54	218.24	-82.70	300.93	0.725 Level 1		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,220.33	7,220.33	64.88	250.34	-89.96	-799.64	-737.54	160.75	-151.96	312.71	0.514	Level 1	
9,058.93	7,239.44	7,220.44	7,220.44	66.29	250.34	-90.00	-799.64	-737.54	149.56	-167.02	316.57	0.472	Level 1, CC, ES, SF	
9,100.00	7,239.52	7,220.52	7,220.52	67.27	250.34	-90.03	-799.64	-737.54	155.09	-160.02	315.11	0.492	Level 1	
9,200.00	7,239.70	7,220.70	7,220.70	69.69	250.35	-90.10	-799.64	-737.54	205.59	-98.74	304.33	0.676	Level 1	
9,300.00	7,239.89	7,220.89	7,220.89	72.15	250.36	-90.17	-799.64	-737.54	283.69	-12.26	295.95	0.959	Level 1	
9,400.00	7,240.07	7,221.07	7,221.07	74.63	250.36	-90.24	-799.64	-737.54	372.42	81.02	291.39	1.278	Level 3	
9,500.00	7,240.26	7,221.26	7,221.26	77.14	250.37	-90.31	-799.64	-737.54	465.73	176.85	288.88	1.612		
9,600.00	7,240.45	7,221.45	7,221.45	79.68	250.38	-90.39	-799.64	-737.54	561.36	273.95	287.41	1.953		
9,700.00	7,240.63	7,221.63	7,221.63	82.23	250.38	-90.46	-799.64	-737.54	658.28	371.80	286.48	2.298		
9,800.00	7,240.82	7,221.82	7,221.82	84.81	250.39	-90.53	-799.64	-737.54	756.01	470.13	285.87	2.645		
9,900.00	7,241.01	7,222.01	7,222.01	87.40	250.40	-90.60	-799.64	-737.54	854.26	568.80	285.46	2.993		
10,000.00	7,241.19	7,222.19	7,222.19	90.01	250.40	-90.67	-799.64	-737.54	952.88	667.71	285.16	3.342		
10,100.00	7,241.38	7,222.38	7,222.38	92.64	250.41	-90.74	-799.64	-737.54	1,051.75	766.80	284.95	3.691		
10,200.00	7,241.56	7,222.56	7,222.56	95.28	250.42	-90.81	-799.64	-737.54	1,150.83	866.03	284.80	4.041		
10,300.00	7,241.75	7,222.75	7,222.75	97.93	250.42	-90.89	-799.64	-737.54	1,250.04	965.36	284.68	4.391		
10,400.00	7,241.94	7,222.94	7,222.94	100.59	250.43	-90.96	-799.64	-737.54	1,349.38	1,064.78	284.60	4.741		
10,500.00	7,242.12	7,223.12	7,223.12	103.26	250.44	-91.03	-799.64	-737.54	1,448.81	1,164.27	284.53	5.092		
10,600.00	7,242.31	7,223.31	7,223.31	105.95	250.44	-91.10	-799.64	-737.54	1,548.31	1,263.81	284.49	5.442		
10,700.00	7,242.50	7,223.50	7,223.50	108.64	250.45	-91.17	-799.64	-737.54	1,647.87	1,363.41	284.46	5.793		
10,800.00	7,242.68	7,223.68	7,223.68	111.34	250.46	-91.24	-799.64	-737.54	1,747.48	1,463.03	284.44	6.144		
10,900.00	7,242.87	7,223.87	7,223.87	114.05	250.46	-91.31	-799.64	-737.54	1,847.13	1,562.70	284.43	6.494		
11,000.00	7,243.05	7,224.05	7,224.05	116.76	250.47	-91.39	-799.64	-737.54	1,946.82	1,662.39	284.43	6.845		
11,100.00	7,243.24	7,224.24	7,224.24	119.49	250.47	-91.46	-799.64	-737.54	2,046.54	1,762.10	284.44	7.195		
11,200.00	7,243.43	7,224.43	7,224.43	122.22	250.48	-91.53	-799.64	-737.54	2,146.28	1,861.83	284.45	7.545		
11,300.00	7,243.61	7,224.61	7,224.61	124.95	250.49	-91.60	-799.64	-737.54	2,246.05	1,961.59	284.46	7.896		
11,400.00	7,243.80	7,224.80	7,224.80	127.69	250.49	-91.67	-799.64	-737.54	2,345.84	2,061.35	284.48	8.246		
11,500.00	7,243.99	7,224.99	7,224.99	130.44	250.50	-91.74	-799.64	-737.54	2,445.64	2,161.14	284.50	8.596		
11,600.00	7,244.17	7,225.17	7,225.17	133.19	250.51	-91.81	-799.64	-737.54	2,545.46	2,260.93	284.53	8.946		
11,700.00	7,244.36	7,225.36	7,225.36	135.94	250.51	-91.88	-799.64	-737.54	2,645.29	2,360.73	284.56	9.296		
11,800.00	7,244.55	7,225.55	7,225.55	138.70	250.52	-91.96	-799.64	-737.54	2,745.14	2,460.55	284.59	9.646		
11,900.00	7,244.73	7,225.73	7,225.73	141.47	250.53	-92.03	-799.64	-737.54	2,845.00	2,560.37	284.63	9.995		
12,000.00	7,244.92	7,225.92	7,225.92	144.24	250.53	-92.10	-799.64	-737.54	2,944.86	2,660.20	284.67	10.345		
12,100.00	7,245.10	7,226.10	7,226.10	147.01	250.54	-92.17	-799.64	-737.54	3,044.74	2,760.03	284.71	10.694		
12,200.00	7,245.29	7,226.29	7,226.29	149.78	250.55	-92.24	-799.64	-737.54	3,144.62	2,859.87	284.75	11.044		
12,300.00	7,245.48	7,226.48	7,226.48	152.56	250.55	-92.31	-799.64	-737.54	3,244.51	2,959.72	284.79	11.393		
12,400.00	7,245.66	7,226.66	7,226.66	155.34	250.56	-92.38	-799.64	-737.54	3,344.41	3,059.57	284.84	11.742		
12,500.00	7,245.85	7,226.85	7,226.85	158.12	250.57	-92.45	-799.64	-737.54	3,444.31	3,159.43	284.88	12.090		
12,600.00	7,246.04	7,227.04	7,227.04	160.91	250.57	-92.53	-799.64	-737.54	3,544.22	3,259.29	284.93	12.439		
12,700.00	7,246.22	7,227.22	7,227.22	163.70	250.58	-92.60	-799.64	-737.54	3,644.13	3,359.15	284.98	12.787		
12,800.00	7,246.41	7,227.41	7,227.41	166.49	250.59	-92.67	-799.64	-737.54	3,744.05	3,459.02	285.03	13.135		
12,900.00	7,246.59	7,227.59	7,227.59	169.28	250.59	-92.74	-799.64	-737.54	3,843.97	3,558.89	285.09	13.484		
13,000.00	7,246.78	7,227.78	7,227.78	172.08	250.60	-92.81	-799.64	-737.54	3,943.90	3,658.76	285.14	13.831		
13,100.00	7,246.97	7,227.97	7,227.97	174.88	250.60	-92.88	-799.64	-737.54	4,043.83	3,758.63	285.20	14.179		
13,200.00	7,247.15	7,228.15	7,228.15	177.68	250.61	-92.95	-799.64	-737.54	4,143.76	3,858.51	285.25	14.527		
13,300.00	7,247.34	7,228.34	7,228.34	180.48	250.62	-93.02	-799.64	-737.54	4,243.70	3,958.38	285.31	14.874		
13,400.00	7,247.53	7,228.53	7,228.53	183.28	250.62	-93.10	-799.64	-737.54	4,343.64	4,058.26	285.37	15.221		
13,500.00	7,247.71	7,228.71	7,228.71	186.09	250.63	-93.17	-799.64	-737.54	4,443.58	4,158.14	285.43	15.568		
13,600.00	7,247.90	7,228.90	7,228.90	188.90	250.64	-93.24	-799.64	-737.54	4,543.52	4,258.03	285.50	15.914		
13,700.00	7,248.08	7,229.08	7,229.08	191.70	250.64	-93.31	-799.64	-737.54	4,643.47	4,357.91	285.56	16.261		
13,800.00	7,248.27	7,229.27	7,229.27	194.52	250.65	-93.38	-799.64	-737.54	4,743.42	4,457.79	285.62	16.607		
13,900.00	7,248.46	7,229.46	7,229.46	197.33	250.66	-93.45	-799.64	-737.54	4,843.37	4,557.68	285.69	16.953		
14,000.00	7,248.64	7,229.64	7,229.64	200.14	250.66	-93.52	-799.64	-737.54	4,943.32	4,657.57	285.76	17.299		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,229.83	7,229.83	202.95	250.67	-93.59	-799.64	-737.54	5,043.28	4,757.45	285.83	17.645		
14,200.00	7,249.02	7,230.02	7,230.02	205.77	250.68	-93.66	-799.64	-737.54	5,143.23	4,857.34	285.89	17.990		
14,300.00	7,249.20	7,230.20	7,230.20	208.59	250.68	-93.74	-799.64	-737.54	5,243.19	4,957.23	285.96	18.335		
14,400.00	7,249.39	7,230.39	7,230.39	211.41	250.69	-93.81	-799.64	-737.54	5,343.15	5,057.12	286.04	18.680		
14,500.00	7,249.58	7,230.58	7,230.58	214.23	250.70	-93.88	-799.64	-737.54	5,443.11	5,157.01	286.11	19.025		
14,600.00	7,249.76	7,230.76	7,230.76	217.05	250.70	-93.95	-799.64	-737.54	5,543.08	5,256.89	286.18	19.369		
14,700.00	7,249.95	7,230.95	7,230.95	219.87	250.71	-94.02	-799.64	-737.54	5,643.04	5,356.78	286.26	19.713		
14,800.00	7,250.13	7,231.13	7,231.13	222.69	250.72	-94.09	-799.64	-737.54	5,743.01	5,456.67	286.33	20.057		
14,900.00	7,250.32	7,231.32	7,231.32	225.51	250.72	-94.16	-799.64	-737.54	5,842.97	5,556.56	286.41	20.401		
15,000.00	7,250.51	7,231.51	7,231.51	228.34	250.73	-94.23	-799.64	-737.54	5,942.94	5,656.45	286.49	20.744		
15,100.00	7,250.69	7,231.69	7,231.69	231.16	250.73	-94.30	-799.64	-737.54	6,042.91	5,756.34	286.56	21.087		
15,200.00	7,250.88	7,231.88	7,231.88	233.99	250.74	-94.37	-799.64	-737.54	6,142.88	5,856.23	286.64	21.430		
15,300.00	7,251.07	7,232.07	7,232.07	236.82	250.75	-94.45	-799.64	-737.54	6,242.85	5,956.12	286.72	21.773		
15,400.00	7,251.25	7,232.25	7,232.25	239.65	250.75	-94.52	-799.64	-737.54	6,342.82	6,056.02	286.81	22.115		
15,500.00	7,251.44	7,232.44	7,232.44	242.47	250.76	-94.59	-799.64	-737.54	6,442.79	6,155.91	286.89	22.458		
15,600.00	7,251.62	7,232.62	7,232.62	245.30	250.77	-94.66	-799.64	-737.54	6,542.77	6,255.80	286.97	22.799		
15,700.00	7,251.81	7,232.81	7,232.81	248.13	250.77	-94.73	-799.64	-737.54	6,642.74	6,355.69	287.06	23.141		
15,800.00	7,252.00	7,233.00	7,233.00	250.97	250.78	-94.80	-799.64	-737.54	6,742.72	6,455.58	287.14	23.482		
15,900.00	7,252.18	7,233.18	7,233.18	253.80	250.79	-94.87	-799.64	-737.54	6,842.69	6,555.46	287.23	23.823		
16,000.00	7,252.37	7,233.37	7,233.37	256.63	250.79	-94.94	-799.64	-737.54	6,942.67	6,655.35	287.31	24.164		
16,100.00	7,252.56	7,233.56	7,233.56	259.46	250.80	-95.01	-799.64	-737.54	7,042.64	6,755.24	287.40	24.505		
16,200.00	7,252.74	7,233.74	7,233.74	262.30	250.81	-95.08	-799.64	-737.54	7,142.62	6,855.13	287.49	24.845		
16,300.00	7,252.93	7,233.93	7,233.93	265.13	250.81	-95.15	-799.64	-737.54	7,242.60	6,955.02	287.58	25.185		
16,400.00	7,253.11	7,234.11	7,234.11	267.96	250.82	-95.22	-799.64	-737.54	7,342.58	7,054.91	287.67	25.524		
16,500.00	7,253.30	7,234.30	7,234.30	270.80	250.83	-95.30	-799.64	-737.54	7,442.56	7,154.80	287.76	25.864		
16,600.00	7,253.49	7,234.49	7,234.49	273.64	250.83	-95.37	-799.64	-737.54	7,542.54	7,254.69	287.85	26.203		
16,700.00	7,253.67	7,234.67	7,234.67	276.47	250.84	-95.44	-799.64	-737.54	7,642.52	7,354.57	287.94	26.542		
16,800.00	7,253.86	7,234.86	7,234.86	279.31	250.85	-95.51	-799.64	-737.54	7,742.50	7,454.46	288.04	26.880		
16,900.00	7,254.05	7,235.05	7,235.05	282.15	250.85	-95.58	-799.64	-737.54	7,842.48	7,554.35	288.13	27.218		
17,000.00	7,254.23	7,235.23	7,235.23	284.98	250.86	-95.65	-799.64	-737.54	7,942.46	7,654.23	288.23	27.556		
17,100.00	7,254.42	7,235.42	7,235.42	287.82	250.86	-95.72	-799.64	-737.54	8,042.44	7,754.12	288.32	27.894		
17,200.00	7,254.61	7,235.61	7,235.61	290.66	250.87	-95.79	-799.64	-737.54	8,142.43	7,854.01	288.42	28.231		
17,300.00	7,254.79	7,235.79	7,235.79	293.50	250.88	-95.86	-799.64	-737.54	8,242.41	7,953.89	288.52	28.568		
17,400.00	7,254.98	7,235.98	7,235.98	296.34	250.88	-95.93	-799.64	-737.54	8,342.39	8,053.78	288.62	28.905		
17,500.00	7,255.16	7,236.16	7,236.16	299.18	250.89	-96.00	-799.64	-737.54	8,442.38	8,153.66	288.72	29.241		
17,600.00	7,255.35	7,236.35	7,236.35	302.02	250.90	-96.07	-799.64	-737.54	8,542.36	8,253.55	288.82	29.577		
17,700.00	7,255.54	7,236.54	7,236.54	304.86	250.90	-96.14	-799.64	-737.54	8,642.35	8,353.43	288.92	29.913		
17,800.00	7,255.72	7,236.72	7,236.72	307.70	250.91	-96.21	-799.64	-737.54	8,742.33	8,453.31	289.02	30.248		
17,900.00	7,255.91	7,236.91	7,236.91	310.54	250.92	-96.28	-799.64	-737.54	8,842.32	8,553.20	289.12	30.583		
18,000.00	7,256.10	7,237.10	7,237.10	313.39	250.92	-96.35	-799.64	-737.54	8,942.30	8,653.08	289.22	30.918		
18,100.00	7,256.28	7,237.28	7,237.28	316.23	250.93	-96.43	-799.64	-737.54	9,042.29	8,752.96	289.33	31.253		
18,200.00	7,256.47	7,237.47	7,237.47	319.07	250.94	-96.50	-799.64	-737.54	9,142.28	8,852.84	289.43	31.587		
18,300.00	7,256.65	7,237.65	7,237.65	321.91	250.94	-96.57	-799.64	-737.54	9,242.26	8,952.72	289.54	31.921		
18,400.00	7,256.84	7,237.84	7,237.84	324.76	250.95	-96.64	-799.64	-737.54	9,342.25	9,052.61	289.64	32.254		
18,500.00	7,257.03	7,238.03	7,238.03	327.60	250.96	-96.71	-799.64	-737.54	9,442.24	9,152.49	289.75	32.587		
18,600.00	7,257.21	7,238.21	7,238.21	330.44	250.96	-96.78	-799.64	-737.54	9,542.22	9,252.37	289.86	32.920		
18,700.00	7,257.40	7,238.40	7,238.40	333.29	250.97	-96.85	-799.64	-737.54	9,642.21	9,352.24	289.97	33.253		
18,800.00	7,257.59	7,238.59	7,238.59	336.13	250.98	-96.92	-799.64	-737.54	9,742.20	9,452.12	290.08	33.585		
18,900.00	7,257.77	7,238.77	7,238.77	338.98	250.98	-96.99	-799.64	-737.54	9,842.19	9,552.00	290.19	33.917		
19,000.00	7,257.96	7,238.96	7,238.96	341.82	250.99	-97.06	-799.64	-737.54	9,942.18	9,651.88	290.30	34.248		
19,022.43	7,258.00	7,239.00	7,239.00	342.46	250.99	-97.07	-799.64	-737.54	9,964.60	9,674.28	290.32	34.323		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-64.48	197.45	-413.53	458.56					
100.00	100.00	80.15	80.14	3.28	3.28	-64.43	197.92	-413.58	458.51	451.94	6.57	69.791 CC, ES		
200.00	200.00	180.78	180.77	3.34	3.33	-64.29	199.21	-413.68	459.15	452.49	6.67	68.879		
300.00	300.00	281.25	281.24	3.44	3.43	-64.19	200.08	-413.72	459.56	452.69	6.87	66.862		
400.00	399.98	380.60	380.58	3.60	3.57	179.89	200.82	-413.84	461.74	454.57	7.17	64.372		
500.00	499.84	481.19	481.17	3.79	3.77	179.97	201.61	-413.98	467.45	459.89	7.56	61.829		
600.00	599.45	580.68	580.66	4.03	3.99	-179.97	202.25	-414.05	476.50	468.48	8.02	59.389		
700.00	698.70	678.72	678.69	4.30	4.25	-179.92	202.80	-414.31	489.17	480.62	8.55	57.222		
800.00	797.47	777.67	777.64	4.61	4.53	-179.88	203.40	-414.70	505.42	496.29	9.13	55.354		
900.00	895.62	874.30	874.27	4.96	4.82	-179.86	203.88	-415.16	525.14	515.39	9.75	53.849		
939.50	934.20	912.29	912.26	5.10	4.94	-179.86	204.05	-415.45	533.96	523.95	10.01	53.336		
1,000.00	993.20	971.35	971.31	5.33	5.14	-179.86	204.33	-415.91	547.89	537.48	10.41	52.625		
1,100.00	1,090.72	1,069.91	1,069.87	5.73	5.47	-179.85	204.78	-416.58	570.82	559.72	11.10	51.435		
1,200.00	1,188.24	1,165.49	1,165.45	6.15	5.80	-179.86	205.09	-417.21	593.67	581.87	11.80	50.311		
1,300.00	1,285.76	1,263.68	1,263.64	6.59	6.15	-179.87	205.46	-418.15	616.81	604.28	12.54	49.207		
1,400.00	1,383.28	1,361.24	1,361.19	7.04	6.51	-179.90	205.50	-418.92	639.65	626.36	13.29	48.144		
1,500.00	1,480.80	1,457.90	1,457.85	7.50	6.87	-179.91	205.83	-419.70	662.64	648.59	14.05	47.167		
1,600.00	1,578.31	1,557.97	1,557.91	7.96	7.25	-179.93	205.96	-420.50	685.54	670.70	14.84	46.189		
1,700.00	1,675.83	1,658.16	1,658.11	8.44	7.64	-179.94	206.00	-420.75	707.91	692.26	15.65	45.242		
1,800.00	1,773.35	1,756.46	1,756.40	8.92	8.02	-179.96	205.85	-420.86	730.08	713.63	16.45	44.378		
1,900.00	1,870.87	1,854.45	1,854.40	9.40	8.40	-179.98	205.65	-420.91	752.18	734.92	17.26	43.575		
2,000.00	1,968.39	1,951.68	1,951.63	9.89	8.78	179.99	205.27	-421.02	774.25	756.17	18.07	42.835		
2,100.00	2,065.91	2,049.22	2,049.17	10.39	9.17	179.95	204.69	-421.30	796.39	777.49	18.90	42.144		
2,200.00	2,163.43	2,147.79	2,147.72	10.88	9.56	179.84	203.31	-421.87	818.43	798.70	19.73	41.480		
2,300.00	2,260.95	2,245.04	2,244.95	11.38	9.95	179.70	201.37	-422.61	840.39	819.83	20.56	40.869		
2,400.00	2,358.46	2,340.87	2,340.75	11.89	10.34	179.55	199.31	-423.58	862.51	841.12	21.39	40.321		
2,500.00	2,455.98	2,435.04	2,434.89	12.39	10.73	179.41	197.26	-424.78	884.86	862.64	22.21	39.836		
2,600.00	2,553.50	2,527.60	2,527.42	12.89	11.11	179.26	195.34	-426.50	907.76	884.74	23.03	39.422		
2,700.00	2,651.02	2,623.52	2,623.30	13.40	11.50	179.13	193.63	-428.44	930.94	907.08	23.86	39.009		
2,800.00	2,748.54	2,719.25	2,719.00	13.91	11.89	179.01	192.17	-430.44	954.29	929.59	24.70	38.629		
2,900.00	2,846.06	2,816.48	2,816.19	14.42	12.30	178.91	190.77	-432.52	977.72	952.16	25.55	38.259		
3,000.00	2,943.58	2,915.11	2,914.80	14.93	12.70	178.81	189.40	-434.50	1,001.06	974.64	26.42	37.893		
3,100.00	3,041.10	3,012.86	3,012.53	15.45	13.11	178.74	188.33	-436.24	1,024.32	997.04	27.28	37.554		
3,200.00	3,138.61	3,112.35	3,112.00	15.96	13.52	178.69	187.52	-437.75	1,047.46	1,019.32	28.15	37.213		
3,300.00	3,236.13	3,213.07	3,212.71	16.47	13.94	178.64	186.61	-438.95	1,070.28	1,041.25	29.03	36.869		
3,400.00	3,333.65	3,305.93	3,305.56	16.99	14.33	178.61	185.88	-440.14	1,093.22	1,063.36	29.86	36.613		
3,500.00	3,431.17	3,407.43	3,407.05	17.50	14.75	178.58	185.35	-441.31	1,116.16	1,085.41	30.75	36.299		
3,600.00	3,528.69	3,506.46	3,506.07	18.02	15.16	178.57	184.84	-442.16	1,138.85	1,107.23	31.62	36.013		
3,700.00	3,626.21	3,594.89	3,594.50	18.54	15.53	178.56	184.53	-443.19	1,161.87	1,129.44	32.42	35.833		
3,800.00	3,723.73	3,692.80	3,692.40	19.06	15.94	178.56	184.55	-444.54	1,185.23	1,151.93	33.29	35.599		
3,900.00	3,821.25	3,790.86	3,790.45	19.57	16.36	178.58	184.92	-445.64	1,208.50	1,174.34	34.16	35.373		
4,000.00	3,918.77	3,886.91	3,886.49	20.09	16.76	178.62	185.61	-446.57	1,231.78	1,196.76	35.02	35.171		
4,100.00	4,016.28	3,981.68	3,981.26	20.61	17.16	178.66	186.45	-447.57	1,255.21	1,219.34	35.87	34.992		
4,200.00	4,113.80	4,076.06	4,075.62	21.13	17.55	178.68	187.14	-448.86	1,278.85	1,242.13	36.72	34.829		
4,300.00	4,211.32	4,178.58	4,178.13	21.65	17.99	178.71	187.90	-450.23	1,302.47	1,264.85	37.63	34.617		
4,400.00	4,308.84	4,280.68	4,280.22	22.17	18.42	178.73	188.27	-451.23	1,325.61	1,287.08	38.53	34.404		
4,500.00	4,406.36	4,376.67	4,376.21	22.69	18.82	178.74	188.50	-452.06	1,348.61	1,309.22	39.39	34.236		
4,600.00	4,503.88	4,474.01	4,473.55	23.21	19.23	178.75	188.69	-453.04	1,371.71	1,331.45	40.26	34.068		
4,700.00	4,601.40	4,572.83	4,572.36	23.73	19.65	178.76	188.85	-453.97	1,394.75	1,353.60	41.15	33.897		
4,800.00	4,698.92	4,671.98	4,671.51	24.26	20.07	178.74	188.32	-455.09	1,417.66	1,375.62	42.03	33.728		
4,900.00	4,796.43	4,768.95	4,768.47	24.78	20.48	178.72	187.63	-456.18	1,440.50	1,397.59	42.90	33.576		
5,000.00	4,893.95	4,866.33	4,865.84	25.30	20.89	178.68	186.70	-457.44	1,463.38	1,419.61	43.78	33.429		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,961.91	4,961.40	25.82	21.30	178.64	185.59	-458.78	1,486.29	1,441.65	44.64	33.297		
5,200.00	5,088.99	5,061.25	5,060.72	26.34	21.72	178.59	184.38	-460.30	1,509.28	1,463.75	45.53	33.151		
5,300.00	5,186.51	5,162.53	5,161.98	26.87	22.15	178.55	183.02	-461.59	1,531.99	1,485.56	46.43	32.995		
5,400.00	5,284.03	5,267.86	5,267.29	27.39	22.59	178.48	181.13	-462.79	1,554.41	1,507.05	47.36	32.818		
5,500.00	5,381.55	5,368.88	5,368.29	27.91	23.02	178.45	179.74	-463.21	1,576.35	1,528.08	48.27	32.660		
5,600.00	5,479.07	5,466.28	5,465.69	28.43	23.43	178.43	178.62	-463.46	1,598.25	1,549.11	49.14	32.524		
5,700.00	5,576.58	5,569.52	5,568.92	28.96	23.87	178.41	177.22	-463.72	1,620.05	1,569.99	50.06	32.363		
5,800.00	5,674.10	5,669.07	5,668.45	29.48	24.29	178.38	175.64	-463.68	1,641.50	1,590.55	50.95	32.218		
5,900.00	5,771.62	5,764.97	5,764.35	30.00	24.69	178.36	174.31	-463.60	1,663.00	1,611.19	51.81	32.095		
6,000.00	5,869.14	5,868.93	5,868.30	30.53	25.13	178.33	172.70	-463.54	1,684.47	1,631.73	52.74	31.941		
6,100.00	5,966.66	5,964.81	5,964.17	31.05	25.54	178.32	171.44	-463.05	1,705.60	1,652.00	53.60	31.820		
6,200.00	6,064.18	6,066.30	6,065.65	31.58	25.97	178.32	170.64	-462.47	1,726.92	1,672.41	54.51	31.682		
6,300.00	6,161.70	6,164.19	6,163.54	32.10	26.38	178.33	169.74	-461.62	1,747.90	1,692.52	55.39	31.558		
6,400.00	6,259.22	6,264.32	6,263.65	32.62	26.80	178.33	168.62	-460.96	1,768.99	1,712.71	56.28	31.431		
6,500.00	6,356.74	6,359.63	6,358.95	33.15	27.21	178.33	167.64	-460.11	1,789.91	1,732.77	57.14	31.323		
6,600.00	6,454.25	6,454.88	6,454.20	33.67	27.61	178.34	166.98	-459.42	1,811.12	1,753.12	58.01	31.223		
6,623.48	6,477.15	6,478.16	6,477.48	33.80	27.71	178.34	166.81	-459.25	1,816.10	1,757.89	58.21	31.197		
6,650.00	6,503.12	6,504.57	6,503.89	33.93	27.82	172.56	166.62	-459.06	1,821.23	1,762.78	58.45	31.159		
6,700.00	6,552.50	6,550.01	6,549.33	34.16	28.01	153.46	166.26	-458.80	1,828.25	1,769.40	58.85	31.066		
6,750.00	6,602.21	6,596.11	6,595.42	34.36	28.21	115.39	165.88	-458.64	1,831.82	1,772.58	59.24	30.921		
6,800.00	6,651.92	6,646.53	6,645.84	34.54	28.42	76.61	165.39	-458.55	1,831.87	1,772.22	59.64	30.713		
6,850.00	6,701.33	6,697.06	6,696.37	34.70	28.63	57.30	164.81	-458.47	1,828.33	1,768.30	60.03	30.458		
6,900.00	6,750.14	6,742.25	6,741.55	34.86	28.83	48.31	164.32	-458.42	1,821.31	1,760.95	60.35	30.177		
6,950.00	6,798.04	6,786.29	6,785.59	35.02	29.01	43.73	163.99	-458.40	1,810.93	1,750.28	60.66	29.855		
7,000.00	6,844.75	6,829.25	6,828.55	35.19	29.20	41.35	163.80	-458.42	1,797.30	1,736.36	60.94	29.493		
7,050.00	6,889.97	6,870.91	6,870.21	35.37	29.37	40.26	163.68	-458.50	1,780.50	1,719.30	61.20	29.092		
7,100.00	6,933.42	6,911.67	6,910.97	35.57	29.55	40.06	163.61	-458.65	1,760.67	1,699.22	61.45	28.651		
7,150.00	6,974.83	6,952.25	6,951.55	35.79	29.72	40.58	163.58	-458.82	1,737.91	1,676.22	61.70	28.169		
7,200.00	7,013.96	6,990.62	6,989.92	36.02	29.88	41.71	163.56	-458.99	1,712.40	1,650.47	61.92	27.653		
7,250.00	7,050.56	7,028.92	7,028.22	36.28	30.05	43.45	163.55	-459.16	1,684.30	1,622.14	62.16	27.096		
7,300.00	7,084.39	7,065.09	7,064.40	36.57	30.20	45.78	163.49	-459.30	1,653.80	1,591.41	62.39	26.506		
7,350.00	7,115.27	7,098.08	7,097.38	36.89	30.34	48.71	163.38	-459.41	1,621.14	1,558.52	62.62	25.887		
7,400.00	7,142.99	7,123.31	7,122.61	37.25	30.45	52.11	163.30	-459.49	1,586.63	1,523.81	62.82	25.258		
7,450.00	7,167.38	7,145.36	7,144.66	37.65	30.54	56.11	163.25	-459.60	1,550.56	1,487.54	63.02	24.603		
7,500.00	7,188.30	7,164.39	7,163.69	38.08	30.62	60.70	163.22	-459.71	1,513.22	1,449.98	63.25	23.926		
7,550.00	7,205.61	7,180.27	7,179.57	38.55	30.69	65.84	163.22	-459.82	1,474.87	1,411.38	63.50	23.228		
7,600.00	7,219.20	7,192.88	7,192.18	39.06	30.74	71.42	163.22	-459.92	1,435.81	1,372.03	63.78	22.512		
7,650.00	7,229.00	7,202.35	7,201.64	39.61	30.78	77.32	163.22	-460.00	1,396.31	1,332.21	64.10	21.782		
7,700.00	7,234.95	7,208.72	7,208.02	40.18	30.81	83.33	163.23	-460.05	1,356.68	1,292.20	64.48	21.042		
7,750.07	7,237.00	7,211.20	7,210.50	40.78	30.82	89.20	163.23	-460.07	1,317.15	1,252.26	64.89	20.298		
7,800.00	7,237.09	7,211.72	7,211.02	41.41	30.82	89.23	163.23	-460.08	1,278.28	1,212.92	65.36	19.556		
7,900.00	7,237.28	7,212.76	7,212.06	42.79	30.83	89.31	163.23	-460.09	1,202.90	1,136.36	66.54	18.078		
8,000.00	7,237.47	7,213.80	7,213.10	44.31	30.83	89.38	163.23	-460.10	1,131.33	1,063.26	68.07	16.620		
8,100.00	7,237.65	7,214.85	7,214.15	45.97	30.84	89.45	163.23	-460.11	1,064.36	994.37	69.99	15.206		
8,200.00	7,237.84	7,215.89	7,215.19	47.75	30.84	89.53	163.24	-460.11	1,002.90	930.56	72.35	13.863		
8,300.00	7,238.02	7,216.93	7,216.23	49.63	30.85	89.60	163.24	-460.12	948.03	872.92	75.11	12.621		
8,400.00	7,238.21	7,217.98	7,217.27	51.61	30.85	89.67	163.24	-460.13	900.95	822.71	78.24	11.515		
8,500.00	7,238.40	7,219.02	7,218.32	53.66	30.85	89.75	163.24	-460.14	862.93	781.33	81.61	10.574		
8,600.00	7,238.58	7,220.06	7,219.36	55.79	30.86	89.82	163.24	-460.15	835.22	750.20	85.02	9.824		
8,700.00	7,238.77	7,221.10	7,220.40	57.99	30.86	89.89	163.24	-460.16	818.86	730.62	88.24	9.280		
8,785.32	7,238.93	7,221.99	7,221.29	59.91	30.87	89.96	163.24	-460.17	814.40	723.74	90.66	8.983		
8,800.00	7,238.96	7,222.15	7,221.44	60.24	30.87	89.97	163.24	-460.17	814.54	723.50	91.03	8.948		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,223.19	7,222.49	62.54	30.87	90.04	163.24	-460.18	822.44	729.22	93.22	8.823 SF		
9,000.00	7,239.33	7,224.23	7,223.53	64.88	30.88	90.11	163.24	-460.19	842.22	747.51	94.71	8.893		
9,100.00	7,239.52	7,225.27	7,224.57	67.27	30.88	90.19	163.24	-460.19	873.08	777.56	95.51	9.141		
9,200.00	7,239.70	7,226.31	7,225.61	69.69	30.89	90.26	163.24	-460.20	913.89	818.16	95.73	9.547		
9,300.00	7,239.89	7,227.36	7,226.65	72.15	30.89	90.33	163.25	-460.21	963.39	867.91	95.48	10.090		
9,400.00	7,240.07	7,228.40	7,227.70	74.63	30.89	90.41	163.25	-460.22	1,020.31	925.40	94.91	10.750		
9,500.00	7,240.26	7,229.44	7,228.74	77.14	30.90	90.48	163.25	-460.23	1,083.50	989.36	94.13	11.510		
9,600.00	7,240.45	7,230.48	7,229.78	79.68	30.90	90.55	163.25	-460.24	1,151.90	1,058.67	93.23	12.355		
9,700.00	7,240.63	7,231.52	7,230.82	82.23	30.91	90.63	163.25	-460.25	1,224.66	1,132.38	92.29	13.270		
9,800.00	7,240.82	7,232.57	7,231.86	84.81	30.91	90.70	163.25	-460.26	1,301.04	1,209.71	91.33	14.246		
9,900.00	7,241.01	7,233.61	7,232.91	87.40	30.92	90.77	163.25	-460.27	1,380.44	1,290.05	90.39	15.271		
10,000.00	7,241.19	7,234.65	7,233.95	90.01	30.92	90.85	163.25	-460.27	1,462.37	1,372.88	89.50	16.340		
10,100.00	7,241.38	7,235.69	7,234.99	92.64	30.93	90.92	163.25	-460.28	1,546.43	1,457.78	88.65	17.444		
10,200.00	7,241.56	7,236.73	7,236.03	95.28	30.93	90.99	163.25	-460.29	1,632.28	1,544.43	87.85	18.580		
10,300.00	7,241.75	7,237.77	7,237.07	97.93	30.93	91.07	163.25	-460.30	1,719.67	1,632.56	87.11	19.741		
10,400.00	7,241.94	7,238.81	7,238.11	100.59	30.94	91.14	163.25	-460.31	1,808.36	1,721.94	86.42	20.925		
10,500.00	7,242.12	7,239.86	7,239.15	103.26	30.94	91.21	163.26	-460.32	1,898.17	1,812.39	85.78	22.128		
10,600.00	7,242.31	7,240.90	7,240.19	105.95	30.95	91.28	163.26	-460.33	1,988.96	1,903.77	85.19	23.347		
10,700.00	7,242.50	7,241.94	7,241.24	108.64	30.95	91.36	163.26	-460.34	2,080.59	1,995.95	84.64	24.581		
10,800.00	7,242.68	7,242.98	7,242.28	111.34	30.96	91.43	163.26	-460.35	2,172.96	2,088.82	84.13	25.827		
10,900.00	7,242.87	7,244.02	7,243.32	114.05	30.96	91.50	163.26	-460.35	2,265.97	2,182.31	83.66	27.084		
11,000.00	7,243.05	7,245.06	7,244.36	116.76	30.97	91.58	163.26	-460.36	2,359.56	2,276.33	83.23	28.350		
11,100.00	7,243.24	7,246.10	7,245.40	119.49	30.97	91.65	163.26	-460.37	2,453.65	2,370.83	82.83	29.624		
11,200.00	7,243.43	7,247.14	7,246.44	122.22	30.97	91.72	163.26	-460.38	2,548.19	2,465.74	82.45	30.905		
11,300.00	7,243.61	7,248.18	7,247.48	124.95	30.98	91.80	163.26	-460.39	2,643.14	2,561.03	82.10	32.192		
11,400.00	7,243.80	7,249.22	7,248.52	127.69	30.98	91.87	163.26	-460.40	2,738.44	2,656.66	81.78	33.484		
11,500.00	7,243.99	7,250.26	7,249.56	130.44	30.99	91.94	163.26	-460.41	2,834.07	2,752.58	81.48	34.781		
11,600.00	7,244.17	7,251.30	7,250.60	133.19	30.99	92.02	163.26	-460.42	2,929.98	2,848.78	81.20	36.082		
11,700.00	7,244.36	7,252.35	7,251.64	135.94	31.00	92.09	163.27	-460.43	3,026.17	2,945.22	80.94	37.385		
11,800.00	7,244.55	7,253.39	7,252.68	138.70	31.00	92.16	163.27	-460.43	3,122.59	3,041.88	80.70	38.692		
11,900.00	7,244.73	7,254.43	7,253.72	141.47	31.01	92.24	163.27	-460.44	3,219.23	3,138.75	80.48	40.001		
12,000.00	7,244.92	7,255.47	7,254.76	144.24	31.01	92.31	163.27	-460.45	3,316.07	3,235.80	80.27	41.312		
12,100.00	7,245.10	7,256.51	7,255.80	147.01	31.01	92.38	163.27	-460.46	3,413.09	3,333.01	80.07	42.624		
12,200.00	7,245.29	7,257.55	7,256.84	149.78	31.02	92.45	163.27	-460.47	3,510.27	3,430.38	79.89	43.938		
12,300.00	7,245.48	7,258.59	7,257.88	152.56	31.02	92.53	163.27	-460.48	3,607.61	3,527.89	79.72	45.252		
12,400.00	7,245.66	7,259.63	7,258.92	155.34	31.03	92.60	163.27	-460.49	3,705.10	3,625.53	79.56	46.568		
12,500.00	7,245.85	7,260.67	7,259.96	158.12	31.03	92.67	163.27	-460.50	3,802.71	3,723.29	79.42	47.883		
12,600.00	7,246.04	7,261.71	7,261.00	160.91	31.04	92.75	163.27	-460.51	3,900.44	3,821.16	79.28	49.199		
12,700.00	7,246.22	7,262.75	7,262.04	163.70	31.04	92.82	163.27	-460.51	3,998.29	3,919.14	79.15	50.515		
12,800.00	7,246.41	7,263.78	7,263.08	166.49	31.05	92.89	163.27	-460.52	4,096.24	4,017.20	79.03	51.830		
12,900.00	7,246.59	7,264.82	7,264.12	169.28	31.05	92.97	163.28	-460.53	4,194.28	4,115.36	78.92	53.146		
13,000.00	7,246.78	7,265.86	7,265.16	172.08	31.05	93.04	163.28	-460.54	4,292.42	4,213.60	78.82	54.460		
13,100.00	7,246.97	7,266.90	7,266.20	174.88	31.06	93.11	163.28	-460.55	4,390.64	4,311.91	78.72	55.774		
13,200.00	7,247.15	7,267.94	7,267.24	177.68	31.06	93.18	163.28	-460.56	4,488.93	4,410.30	78.63	57.087		
13,300.00	7,247.34	7,268.98	7,268.28	180.48	31.07	93.26	163.28	-460.57	4,587.30	4,508.75	78.55	58.399		
13,400.00	7,247.53	7,270.02	7,269.32	183.28	31.07	93.33	163.28	-460.58	4,685.74	4,607.27	78.47	59.710		
13,500.00	7,247.71	7,271.06	7,270.36	186.09	31.08	93.40	163.28	-460.59	4,784.25	4,705.84	78.40	61.020		
13,600.00	7,247.90	7,272.10	7,271.40	188.90	31.08	93.48	163.28	-460.59	4,882.81	4,804.47	78.34	62.328		
13,700.00	7,248.08	7,273.14	7,272.43	191.70	31.09	93.55	163.28	-460.60	4,981.44	4,903.15	78.28	63.635		
13,800.00	7,248.27	7,274.18	7,273.47	194.52	31.09	93.62	163.28	-460.61	5,080.11	5,001.88	78.23	64.940		
13,900.00	7,248.46	7,275.22	7,274.51	197.33	31.09	93.69	163.28	-460.62	5,178.84	5,100.66	78.18	66.244		
14,000.00	7,248.64	7,276.25	7,275.55	200.14	31.10	93.77	163.28	-460.63	5,277.61	5,199.48	78.13	67.546		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,277.29	7,276.59	202.95	31.10	93.84	163.29	-460.64	5,376.43	5,298.34	78.09	68.846		
14,200.00	7,249.02	7,278.33	7,277.63	205.77	31.11	93.91	163.29	-460.65	5,475.29	5,397.23	78.06	70.144		
14,300.00	7,249.20	7,279.37	7,278.67	208.59	31.11	93.98	163.29	-460.66	5,574.19	5,496.17	78.03	71.440		
14,400.00	7,249.39	7,280.41	7,279.70	211.41	31.12	94.06	163.29	-460.67	5,673.13	5,595.14	78.00	72.734		
14,500.00	7,249.58	7,281.45	7,280.74	214.23	31.12	94.13	163.29	-460.67	5,772.11	5,694.14	77.97	74.026		
14,600.00	7,249.76	7,282.49	7,281.78	217.05	31.13	94.20	163.29	-460.68	5,871.12	5,793.17	77.95	75.316		
14,700.00	7,249.95	7,283.52	7,282.82	219.87	31.13	94.28	163.29	-460.69	5,970.17	5,892.23	77.94	76.603		
14,800.00	7,250.13	7,284.56	7,283.86	222.69	31.13	94.35	163.29	-460.70	6,069.24	5,991.32	77.92	77.888		
14,900.00	7,250.32	7,285.60	7,284.90	225.51	31.14	94.42	163.29	-460.71	6,168.35	6,090.43	77.91	79.171		
15,000.00	7,250.51	7,286.64	7,285.93	228.34	31.14	94.49	163.29	-460.72	6,267.48	6,189.58	77.90	80.451		
15,100.00	7,250.69	7,287.68	7,286.97	231.16	31.15	94.57	163.29	-460.73	6,366.64	6,288.74	77.90	81.729		
15,200.00	7,250.88	7,288.71	7,288.01	233.99	31.15	94.64	163.30	-460.74	6,465.83	6,387.93	77.90	83.004		
15,300.00	7,251.07	7,289.75	7,289.05	236.82	31.16	94.71	163.30	-460.75	6,565.04	6,487.14	77.90	84.276		
15,400.00	7,251.25	7,290.79	7,290.08	239.65	31.16	94.78	163.30	-460.75	6,664.27	6,586.37	77.90	85.546		
15,500.00	7,251.44	7,291.83	7,291.12	242.47	31.17	94.86	163.30	-460.76	6,763.53	6,685.62	77.91	86.813		
15,600.00	7,251.62	7,292.86	7,292.16	245.30	31.17	94.93	163.30	-460.77	6,862.80	6,784.89	77.92	88.078		
15,700.00	7,251.81	7,293.90	7,293.20	248.13	31.17	95.00	163.30	-460.78	6,962.10	6,884.17	77.93	89.339		
15,800.00	7,252.00	7,294.94	7,294.23	250.97	31.18	95.07	163.30	-460.79	7,061.42	6,983.48	77.94	90.598		
15,900.00	7,252.18	7,295.98	7,295.27	253.80	31.18	95.15	163.30	-460.80	7,160.76	7,082.80	77.96	91.854		
16,000.00	7,252.37	7,297.01	7,296.31	256.63	31.19	95.22	163.30	-460.81	7,260.11	7,182.13	77.98	93.106		
16,100.00	7,252.56	7,298.05	7,297.35	259.46	31.19	95.29	163.30	-460.82	7,359.48	7,281.49	78.00	94.356		
16,200.00	7,252.74	7,299.09	7,298.38	262.30	31.20	95.36	163.30	-460.83	7,458.87	7,380.85	78.02	95.603		
16,300.00	7,252.93	7,300.13	7,299.42	265.13	31.20	95.43	163.30	-460.83	7,558.28	7,480.23	78.04	96.847		
16,400.00	7,253.11	7,301.16	7,300.46	267.96	31.20	95.51	163.31	-460.84	7,657.70	7,579.63	78.07	98.088		
16,500.00	7,253.30	7,302.20	7,301.49	270.80	31.21	95.58	163.31	-460.85	7,757.13	7,679.03	78.10	99.325		
16,600.00	7,253.49	7,303.24	7,302.53	273.64	31.21	95.65	163.31	-460.86	7,856.58	7,778.45	78.13	100.560		
16,700.00	7,253.67	7,304.27	7,303.57	276.47	31.22	95.72	163.31	-460.87	7,956.04	7,877.88	78.16	101.791		
16,800.00	7,253.86	7,305.31	7,304.61	279.31	31.22	95.80	163.31	-460.88	8,055.52	7,977.32	78.19	103.019		
16,900.00	7,254.05	7,306.35	7,305.64	282.15	31.23	95.87	163.31	-460.89	8,155.01	8,076.78	78.23	104.244		
17,000.00	7,254.23	7,307.38	7,306.68	284.98	31.23	95.94	163.31	-460.90	8,254.51	8,176.24	78.27	105.465		
17,100.00	7,254.42	7,308.42	7,307.71	287.82	31.24	96.01	163.31	-460.90	8,354.02	8,275.71	78.31	106.683		
17,200.00	7,254.61	7,309.46	7,308.75	290.66	31.24	96.08	163.31	-460.91	8,453.54	8,375.20	78.35	107.898		
17,300.00	7,254.79	7,310.49	7,309.79	293.50	31.24	96.16	163.31	-460.92	8,553.08	8,474.69	78.39	109.109		
17,400.00	7,254.98	7,311.53	7,310.82	296.34	31.25	96.23	163.31	-460.93	8,652.62	8,574.19	78.43	110.317		
17,500.00	7,255.16	7,312.57	7,311.86	299.18	31.25	96.30	163.31	-460.94	8,752.18	8,673.70	78.48	111.522		
17,600.00	7,255.35	7,313.60	7,312.90	302.02	31.26	96.37	163.32	-460.95	8,851.75	8,773.22	78.53	112.723		
17,700.00	7,255.54	7,314.64	7,313.93	304.86	31.26	96.44	163.32	-460.96	8,951.32	8,872.75	78.57	113.921		
17,800.00	7,255.72	7,315.67	7,314.97	307.70	31.27	96.52	163.32	-460.97	9,050.91	8,972.28	78.62	115.115		
17,900.00	7,255.91	7,316.71	7,316.00	310.54	31.27	96.59	163.32	-460.98	9,150.50	9,071.82	78.68	116.306		
18,000.00	7,256.10	7,317.75	7,317.04	313.39	31.28	96.66	163.32	-460.98	9,250.10	9,171.37	78.73	117.493		
18,100.00	7,256.28	7,318.78	7,318.08	316.23	31.28	96.73	163.32	-460.99	9,349.71	9,270.93	78.78	118.677		
18,200.00	7,256.47	7,319.82	7,319.11	319.07	31.28	96.80	163.32	-461.00	9,449.33	9,370.49	78.84	119.857		
18,300.00	7,256.65	7,320.85	7,320.15	321.91	31.29	96.88	163.32	-461.01	9,548.96	9,470.06	78.90	121.033		
18,400.00	7,256.84	7,321.89	7,321.18	324.76	31.29	96.95	163.32	-461.02	9,648.59	9,569.64	78.95	122.206		
18,500.00	7,257.03	7,322.92	7,322.22	327.60	31.30	97.02	163.32	-461.03	9,748.23	9,669.22	79.01	123.375		
18,600.00	7,257.21	7,323.96	7,323.25	330.44	31.30	97.09	163.32	-461.04	9,847.88	9,768.81	79.07	124.541		
18,700.00	7,257.40	7,324.99	7,324.29	333.29	31.31	97.16	163.32	-461.05	9,947.54	9,868.40	79.14	125.703		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-118.28	-2,306.78	-4,287.56	4,868.73					
100.00	100.00	106.75	106.75	3.28	3.29	-118.28	-2,306.69	-4,287.35	4,868.53	4,861.96	6.57	740.708		
193.92	193.92	179.92	179.92	3.33	3.33	-118.28	-2,306.51	-4,287.30	4,868.36	4,861.70	6.66	731.082		
200.00	200.00	184.81	184.81	3.34	3.33	-118.28	-2,306.49	-4,287.31	4,868.36	4,861.69	6.67	730.164		
300.00	300.00	320.10	320.10	3.44	3.48	-118.27	-2,305.56	-4,287.41	4,868.12	4,861.20	6.92	703.152		
334.85	334.85	355.44	355.44	3.49	3.53	125.74	-2,305.30	-4,287.29	4,868.03	4,861.00	7.02	692.985		
400.00	399.98	417.74	417.74	3.60	3.64	125.75	-2,304.95	-4,286.94	4,868.43	4,861.19	7.24	672.762		
500.00	499.84	485.33	485.32	3.79	3.77	125.74	-2,304.80	-4,286.78	4,871.17	4,863.60	7.56	643.958		
600.00	599.45	586.71	586.70	4.03	4.00	125.74	-2,304.55	-4,286.98	4,876.34	4,868.31	8.03	607.116		
700.00	698.70	724.45	724.44	4.30	4.37	125.80	-2,303.47	-4,286.85	4,883.03	4,874.35	8.67	563.180		
800.00	797.47	819.91	819.89	4.61	4.65	125.81	-2,302.93	-4,286.24	4,891.43	4,882.17	9.26	528.302		
900.00	895.62	900.00	899.98	4.96	4.90	125.78	-2,302.80	-4,285.83	4,902.19	4,892.34	9.85	497.771		
939.50	934.20	927.72	927.70	5.10	4.99	125.75	-2,302.81	-4,285.76	4,907.12	4,897.04	10.08	486.790		
1,000.00	993.20	973.89	973.87	5.33	5.14	125.85	-2,302.81	-4,285.74	4,915.07	4,904.62	10.46	470.093		
1,100.00	1,090.72	1,062.78	1,062.76	5.73	5.43	126.04	-2,302.71	-4,286.04	4,928.52	4,917.38	11.14	442.390		
1,200.00	1,188.24	1,187.97	1,187.95	6.15	5.87	126.31	-2,302.04	-4,286.52	4,941.92	4,929.94	11.98	412.408		
1,300.00	1,285.76	1,282.64	1,282.62	6.59	6.21	126.51	-2,301.58	-4,286.44	4,954.99	4,942.24	12.74	388.817		
1,400.00	1,383.28	1,369.08	1,369.06	7.04	6.53	126.69	-2,301.60	-4,286.32	4,968.28	4,954.79	13.49	368.232		
1,500.00	1,480.80	1,448.60	1,448.58	7.50	6.82	126.85	-2,301.83	-4,286.35	4,981.92	4,967.69	14.23	350.145		
1,600.00	1,578.31	1,528.05	1,528.03	7.96	7.12	127.02	-2,302.12	-4,286.71	4,996.00	4,981.03	14.97	333.632		
1,700.00	1,675.83	1,614.37	1,614.34	8.44	7.45	127.19	-2,302.49	-4,287.33	5,010.41	4,994.65	15.76	317.965		
1,800.00	1,773.35	1,699.48	1,699.45	8.92	7.78	127.36	-2,303.10	-4,288.05	5,025.11	5,008.57	16.54	303.727		
1,900.00	1,870.87	1,785.65	1,785.61	9.40	8.11	127.53	-2,303.85	-4,288.93	5,040.09	5,022.75	17.34	290.602		
2,000.00	1,968.39	1,926.90	1,926.85	9.89	8.67	127.81	-2,304.81	-4,290.04	5,054.85	5,036.47	18.38	275.071		
2,100.00	2,065.91	2,063.85	2,063.80	10.39	9.21	128.08	-2,305.54	-4,290.04	5,068.93	5,049.53	19.40	261.268		
2,200.00	2,163.43	2,176.71	2,176.65	10.88	9.66	128.30	-2,305.47	-4,289.48	5,082.34	5,062.00	20.33	249.959		
2,300.00	2,260.95	2,259.88	2,259.82	11.38	10.00	128.46	-2,305.72	-4,288.96	5,095.86	5,074.72	21.14	241.002		
2,400.00	2,358.46	2,331.24	2,331.18	11.89	10.29	128.59	-2,306.40	-4,288.61	5,109.83	5,087.92	21.91	233.231		
2,500.00	2,455.98	2,400.00	2,399.94	12.39	10.57	128.72	-2,307.16	-4,288.73	5,124.46	5,101.80	22.66	226.110		
2,600.00	2,553.50	2,488.37	2,488.30	12.89	10.93	128.88	-2,308.03	-4,289.29	5,139.53	5,116.02	23.50	218.661		
2,700.00	2,651.02	2,608.46	2,608.39	13.40	11.42	129.11	-2,308.99	-4,289.91	5,154.47	5,129.99	24.49	210.501		
2,800.00	2,748.54	2,711.59	2,711.51	13.91	11.84	129.30	-2,309.87	-4,290.10	5,169.19	5,143.80	25.40	203.529		
2,900.00	2,846.06	2,804.71	2,804.62	14.42	12.22	129.47	-2,310.85	-4,290.17	5,183.95	5,157.69	26.27	197.354		
3,000.00	2,943.58	2,870.45	2,870.36	14.93	12.49	129.59	-2,311.61	-4,290.45	5,199.10	5,172.09	27.02	192.444		
3,100.00	3,041.10	2,983.27	2,983.17	15.45	12.96	129.80	-2,312.63	-4,291.43	5,214.64	5,186.66	27.98	186.393		
3,200.00	3,138.61	3,104.65	3,104.55	15.96	13.46	130.02	-2,313.34	-4,291.90	5,229.64	5,200.66	28.98	180.475		
3,300.00	3,236.13	3,177.10	3,176.99	16.47	13.76	130.15	-2,314.06	-4,292.11	5,244.74	5,214.98	29.76	176.239		
3,400.00	3,333.65	3,254.27	3,254.16	16.99	14.08	130.29	-2,315.06	-4,292.57	5,260.31	5,229.75	30.56	172.115		
3,500.00	3,431.17	3,367.97	3,367.85	17.50	14.56	130.49	-2,316.31	-4,293.60	5,276.14	5,244.61	31.53	167.317		
3,600.00	3,528.69	3,479.68	3,479.55	18.02	15.02	130.69	-2,316.83	-4,294.25	5,291.46	5,258.97	32.50	162.830		
3,700.00	3,626.21	3,578.82	3,578.69	18.54	15.44	130.87	-2,317.19	-4,294.79	5,306.78	5,273.38	33.40	158.870		
3,800.00	3,723.73	3,677.96	3,677.83	19.06	15.85	131.05	-2,317.48	-4,295.33	5,322.12	5,287.81	34.31	155.115		
3,900.00	3,821.25	3,777.09	3,776.96	19.57	16.27	131.23	-2,317.72	-4,295.86	5,337.48	5,302.26	35.22	151.551		
4,000.00	3,918.77	3,876.21	3,876.08	20.09	16.68	131.41	-2,317.90	-4,296.38	5,352.85	5,316.73	36.13	148.165		
4,100.00	4,016.28	3,975.33	3,975.19	20.61	17.10	131.59	-2,318.01	-4,296.89	5,368.25	5,331.21	37.04	144.943		
4,200.00	4,113.80	4,074.43	4,074.30	21.13	17.52	131.77	-2,318.07	-4,297.39	5,383.67	5,345.72	37.95	141.874		
4,300.00	4,211.32	4,173.53	4,173.39	21.65	17.93	131.95	-2,318.07	-4,297.88	5,399.10	5,360.25	38.86	138.947		
4,400.00	4,308.84	4,279.75	4,279.61	22.17	18.38	132.14	-2,317.89	-4,298.37	5,414.51	5,374.71	39.80	136.039		
4,500.00	4,406.36	4,383.29	4,383.14	22.69	18.81	132.33	-2,317.34	-4,298.83	5,429.81	5,389.08	40.73	133.305		
4,600.00	4,503.88	4,478.88	4,478.73	23.21	19.22	132.50	-2,316.62	-4,299.28	5,445.12	5,403.50	41.63	130.810		
4,700.00	4,601.40	4,552.35	4,552.20	23.73	19.53	132.64	-2,316.04	-4,299.79	5,460.69	5,418.27	42.42	128.742		
4,800.00	4,698.92	4,634.80	4,634.64	24.26	19.87	132.79	-2,315.27	-4,300.87	5,476.78	5,433.54	43.25	126.640		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,796.43	4,748.46	4,748.28	24.78	20.35	133.00	-2,314.15	-4,302.19	5,492.80	5,448.57	44.23	124.193		
5,000.00	4,893.95	4,862.17	4,861.99	25.30	20.84	133.21	-2,313.21	-4,303.13	5,508.63	5,463.42	45.21	121.848		
5,100.00	4,991.47	4,958.20	4,958.01	25.82	21.24	133.37	-2,313.63	-4,303.26	5,524.28	5,478.18	46.11	119.816		
5,200.00	5,088.99	5,039.94	5,039.75	26.34	21.59	133.50	-2,314.42	-4,303.39	5,540.18	5,493.25	46.94	118.039		
5,300.00	5,186.51	5,123.27	5,123.08	26.87	21.94	133.63	-2,315.15	-4,303.84	5,556.43	5,508.66	47.77	116.314		
5,400.00	5,284.03	5,220.19	5,219.99	27.39	22.35	133.79	-2,315.57	-4,304.59	5,572.81	5,524.14	48.67	114.495		
5,500.00	5,381.55	5,322.58	5,322.37	27.91	22.78	133.96	-2,315.98	-4,305.47	5,589.30	5,539.70	49.60	112.683		
5,600.00	5,479.07	5,450.78	5,450.57	28.43	23.33	134.17	-2,316.73	-4,305.71	5,605.22	5,554.56	50.66	110.651		
5,700.00	5,576.58	5,550.73	5,550.51	28.96	23.75	134.31	-2,318.24	-4,305.51	5,621.16	5,569.59	51.57	108.992		
5,800.00	5,674.10	5,648.85	5,648.62	29.48	24.16	134.46	-2,319.76	-4,305.13	5,636.98	5,584.50	52.48	107.407		
5,900.00	5,771.62	5,725.18	5,724.95	30.00	24.49	134.57	-2,320.79	-4,305.05	5,653.05	5,599.77	53.28	106.093		
6,000.00	5,869.14	5,789.07	5,788.83	30.53	24.76	134.67	-2,321.70	-4,305.34	5,669.67	5,615.65	54.02	104.951		
6,100.00	5,966.66	5,889.38	5,889.12	31.05	25.19	134.82	-2,322.88	-4,306.21	5,686.64	5,631.70	54.94	103.504		
6,200.00	6,064.18	6,027.15	6,026.89	31.58	25.77	135.04	-2,323.25	-4,307.22	5,703.26	5,647.22	56.05	101.759		
6,300.00	6,161.70	6,151.39	6,151.13	32.10	26.30	135.24	-2,323.23	-4,307.37	5,719.24	5,662.16	57.08	100.192		
6,400.00	6,259.22	6,351.69	6,248.05	32.62	27.15	135.39	-2,323.47	-4,307.18	5,735.07	5,676.65	58.42	98.166		
6,500.00	6,356.74	6,345.92	6,345.66	33.15	27.12	135.54	-2,323.99	-4,306.97	5,751.00	5,692.11	58.89	97.658		
6,600.00	6,454.25	6,443.53	6,443.27	33.67	27.54	135.68	-2,324.51	-4,306.75	5,766.96	5,707.16	59.79	96.447		
6,623.48	6,477.15	6,466.45	6,466.19	33.80	27.63	135.72	-2,324.63	-4,306.70	5,770.71	5,710.70	60.01	96.168		
6,650.00	6,503.12	6,492.44	6,492.18	33.93	27.74	130.27	-2,324.77	-4,306.64	5,774.43	5,714.19	60.24	95.850		
6,700.00	6,552.50	6,541.87	6,541.60	34.16	27.95	111.55	-2,325.03	-4,306.53	5,778.61	5,717.93	60.68	95.228		
6,750.00	6,602.21	6,591.60	6,591.33	34.36	28.16	73.58	-2,325.30	-4,306.42	5,779.06	5,717.96	61.10	94.586		
6,800.00	6,651.92	6,641.33	6,641.07	34.54	28.38	34.60	-2,325.56	-4,306.31	5,775.77	5,714.28	61.49	93.935		
6,850.00	6,701.33	6,690.76	6,690.49	34.70	28.59	14.78	-2,325.82	-4,306.20	5,768.76	5,706.91	61.85	93.270		
6,900.00	6,750.14	6,739.57	6,739.30	34.86	28.79	5.00	-2,326.08	-4,306.09	5,758.07	5,695.88	62.20	92.581		
6,950.00	6,798.04	6,787.47	6,787.20	35.02	29.00	-0.69	-2,326.34	-4,305.98	5,743.78	5,681.25	62.52	91.866		
7,000.00	6,844.75	6,834.16	6,833.89	35.19	29.20	-4.54	-2,326.58	-4,305.88	5,725.95	5,663.12	62.83	91.127		
7,050.00	6,889.97	6,879.35	6,879.08	35.37	29.39	-7.48	-2,326.82	-4,305.77	5,704.72	5,641.59	63.13	90.366		
7,100.00	6,933.42	6,922.77	6,922.50	35.57	29.57	-9.98	-2,327.05	-4,305.68	5,680.20	5,616.79	63.41	89.583		
7,150.00	6,974.83	6,964.14	6,963.87	35.79	29.75	-12.30	-2,327.27	-4,305.58	5,652.55	5,588.89	63.67	88.782		
7,200.00	7,013.96	7,003.22	7,002.95	36.02	29.91	-14.61	-2,327.48	-4,305.50	5,621.95	5,558.04	63.91	87.964		
7,250.00	7,050.56	7,039.76	7,039.48	36.28	30.07	-17.05	-2,327.68	-4,305.42	5,588.59	5,524.45	64.14	87.131		
7,300.00	7,084.39	7,073.53	7,073.26	36.57	30.21	-19.77	-2,327.86	-4,305.34	5,552.68	5,488.32	64.35	86.286		
7,350.00	7,115.27	7,104.33	7,104.06	36.89	30.34	-22.91	-2,328.02	-4,305.27	5,514.44	5,449.89	64.55	85.430		
7,400.00	7,142.99	7,131.97	7,131.70	37.25	30.46	-26.65	-2,328.17	-4,305.21	5,474.11	5,409.38	64.73	84.565		
7,450.00	7,167.38	7,156.28	7,156.00	37.65	30.57	-31.22	-2,328.29	-4,305.16	5,431.96	5,367.05	64.90	83.693		
7,500.00	7,188.30	7,177.10	7,176.83	38.08	30.65	-36.93	-2,328.41	-4,305.11	5,388.24	5,323.18	65.06	82.817		
7,550.00	7,205.61	7,194.32	7,194.04	38.55	30.73	-44.11	-2,328.50	-4,305.07	5,343.23	5,278.02	65.21	81.939		
7,600.00	7,219.20	7,207.81	7,207.53	39.06	30.78	-53.11	-2,328.57	-4,305.04	5,297.22	5,231.88	65.35	81.061		
7,650.00	7,229.00	7,217.51	7,217.23	39.61	30.83	-64.08	-2,328.62	-4,305.02	5,250.50	5,185.02	65.48	80.186		
7,700.00	7,234.95	7,223.34	7,223.07	40.18	30.85	-76.65	-2,328.65	-4,305.01	5,203.36	5,137.76	65.60	79.317		
7,750.07	7,237.00	7,225.28	7,225.01	40.78	30.86	-89.76	-2,328.66	-4,305.00	5,156.03	5,090.31	65.72	78.455		
7,800.00	7,237.09	7,225.26	7,224.99	41.41	30.86	-89.76	-2,328.66	-4,305.00	5,108.89	5,043.05	65.84	77.597		
7,900.00	7,237.28	7,225.22	7,224.95	42.79	30.86	-89.76	-2,328.66	-4,305.00	5,014.64	4,948.54	66.11	75.855		
8,000.00	7,237.47	7,225.19	7,224.91	44.31	30.86	-89.76	-2,328.66	-4,305.00	4,920.63	4,854.21	66.42	74.080		
8,100.00	7,237.65	7,225.15	7,224.87	45.97	30.86	-89.76	-2,328.66	-4,305.00	4,826.85	4,760.07	66.78	72.275		
8,200.00	7,237.84	7,225.11	7,224.83	47.75	30.86	-89.75	-2,328.66	-4,305.00	4,733.33	4,666.13	67.20	70.440		
8,300.00	7,238.02	7,225.07	7,224.79	49.63	30.86	-89.75	-2,328.66	-4,305.00	4,640.08	4,572.42	67.66	68.575		
8,400.00	7,238.21	7,225.03	7,224.75	51.61	30.86	-89.75	-2,328.66	-4,305.00	4,547.12	4,478.93	68.19	66.682		
8,500.00	7,238.40	7,224.99	7,224.71	53.66	30.86	-89.75	-2,328.66	-4,305.00	4,454.46	4,385.68	68.78	64.764		
8,600.00	7,238.58	7,224.95	7,224.67	55.79	30.86	-89.75	-2,328.66	-4,305.00	4,362.12	4,292.69	69.44	62.822		
8,700.00	7,238.77	7,224.91	7,224.63	57.99	30.86	-89.75	-2,328.66	-4,305.00	4,270.13	4,199.97	70.16	60.860		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	7,224.87	7,224.59	60.24	30.86	-89.75	-2,328.66	-4,305.00	4,178.51	4,107.54	70.97	58.879		
8,900.00	7,239.14	7,224.83	7,224.56	62.54	30.86	-89.75	-2,328.66	-4,305.00	4,087.28	4,015.43	71.85	56.885		
9,000.00	7,239.33	7,224.79	7,224.52	64.88	30.86	-89.74	-2,328.66	-4,305.00	3,996.47	3,923.65	72.82	54.879		
9,100.00	7,239.52	7,224.76	7,224.48	67.27	30.86	-89.74	-2,328.66	-4,305.00	3,906.11	3,832.23	73.88	52.868		
9,200.00	7,239.70	7,224.72	7,224.44	69.69	30.86	-89.74	-2,328.66	-4,305.00	3,816.24	3,741.19	75.04	50.854		
9,300.00	7,239.89	7,224.68	7,224.40	72.15	30.86	-89.74	-2,328.66	-4,305.00	3,726.87	3,650.57	76.30	48.844		
9,400.00	7,240.07	7,224.64	7,224.36	74.63	30.86	-89.74	-2,328.66	-4,305.00	3,638.06	3,560.39	77.67	46.841		
9,500.00	7,240.26	7,224.60	7,224.32	77.14	30.86	-89.74	-2,328.66	-4,305.00	3,549.85	3,470.70	79.15	44.850		
9,600.00	7,240.45	7,224.56	7,224.28	79.68	30.86	-89.74	-2,328.66	-4,305.00	3,462.27	3,381.52	80.75	42.877		
9,700.00	7,240.63	7,224.52	7,224.24	82.23	30.86	-89.73	-2,328.66	-4,305.00	3,375.39	3,292.92	82.48	40.926		
9,800.00	7,240.82	7,224.48	7,224.20	84.81	30.86	-89.73	-2,328.66	-4,305.00	3,289.25	3,204.92	84.33	39.003		
9,900.00	7,241.01	7,224.44	7,224.17	87.40	30.86	-89.73	-2,328.66	-4,305.00	3,203.92	3,117.59	86.33	37.112		
10,000.00	7,241.19	7,224.40	7,224.13	90.01	30.86	-89.73	-2,328.66	-4,305.00	3,119.46	3,030.99	88.47	35.258		
10,100.00	7,241.38	7,224.36	7,224.09	92.64	30.86	-89.73	-2,328.66	-4,305.00	3,035.94	2,945.17	90.77	33.446		
10,200.00	7,241.56	7,224.33	7,224.05	95.28	30.85	-89.73	-2,328.66	-4,305.00	2,953.45	2,860.22	93.23	31.680		
10,300.00	7,241.75	7,224.29	7,224.01	97.93	30.85	-89.73	-2,328.66	-4,305.00	2,872.07	2,776.22	95.85	29.963		
10,400.00	7,241.94	7,224.25	7,223.97	100.59	30.85	-89.73	-2,328.66	-4,305.00	2,791.90	2,693.25	98.65	28.300		
10,500.00	7,242.12	7,224.21	7,223.93	103.26	30.85	-89.72	-2,328.66	-4,305.00	2,713.05	2,611.42	101.63	26.694		
10,600.00	7,242.31	7,224.17	7,223.89	105.95	30.85	-89.72	-2,328.65	-4,305.00	2,635.63	2,530.83	104.80	25.148		
10,700.00	7,242.50	7,224.13	7,223.85	108.64	30.85	-89.72	-2,328.65	-4,305.00	2,559.78	2,451.62	108.17	23.665		
10,800.00	7,242.68	7,224.09	7,223.81	111.34	30.85	-89.72	-2,328.65	-4,305.00	2,485.64	2,373.92	111.73	22.248		
10,900.00	7,242.87	7,224.05	7,223.77	114.05	30.85	-89.72	-2,328.65	-4,305.00	2,413.37	2,297.88	115.49	20.897		
11,000.00	7,243.05	7,224.01	7,223.74	116.76	30.85	-89.72	-2,328.65	-4,305.00	2,343.13	2,223.68	119.45	19.616		
11,100.00	7,243.24	7,223.97	7,223.70	119.49	30.85	-89.72	-2,328.65	-4,305.00	2,275.12	2,151.51	123.61	18.405		
11,200.00	7,243.43	7,223.94	7,223.66	122.22	30.85	-89.72	-2,328.65	-4,305.00	2,209.55	2,081.58	127.97	17.266		
11,300.00	7,243.61	7,223.90	7,223.62	124.95	30.85	-89.71	-2,328.65	-4,305.00	2,146.63	2,014.12	132.51	16.200		
11,400.00	7,243.80	7,223.86	7,223.58	127.69	30.85	-89.71	-2,328.65	-4,305.00	2,086.61	1,949.39	137.22	15.206		
11,500.00	7,243.99	7,223.82	7,223.54	130.44	30.85	-89.71	-2,328.65	-4,305.01	2,029.75	1,887.67	142.08	14.286		
11,600.00	7,244.17	7,223.78	7,223.50	133.19	30.85	-89.71	-2,328.65	-4,305.01	1,976.31	1,829.25	147.06	13.439		
11,700.00	7,244.36	7,223.74	7,223.46	135.94	30.85	-89.71	-2,328.65	-4,305.01	1,926.58	1,774.46	152.12	12.665		
11,800.00	7,244.55	7,223.70	7,223.42	138.70	30.85	-89.71	-2,328.65	-4,305.01	1,880.86	1,723.64	157.22	11.963		
11,900.00	7,244.73	7,223.66	7,223.38	141.47	30.85	-89.71	-2,328.65	-4,305.01	1,839.45	1,677.14	162.31	11.333		
12,000.00	7,244.92	7,223.62	7,223.34	144.24	30.85	-89.70	-2,328.65	-4,305.01	1,802.63	1,635.32	167.31	10.774		
12,100.00	7,245.10	7,223.58	7,223.31	147.01	30.85	-89.70	-2,328.65	-4,305.01	1,770.71	1,598.54	172.17	10.284		
12,200.00	7,245.29	7,223.54	7,223.27	149.78	30.85	-89.70	-2,328.65	-4,305.01	1,743.94	1,567.13	176.81	9.863		
12,300.00	7,245.48	7,223.51	7,223.23	152.56	30.85	-89.70	-2,328.65	-4,305.01	1,722.57	1,541.41	181.16	9.508		
12,400.00	7,245.66	7,223.47	7,223.19	155.34	30.85	-89.70	-2,328.65	-4,305.01	1,706.80	1,521.66	185.14	9.219		
12,500.00	7,245.85	7,223.43	7,223.15	158.12	30.85	-89.70	-2,328.65	-4,305.01	1,696.79	1,508.10	188.70	8.992		
12,600.00	7,246.04	7,223.39	7,223.11	160.91	30.85	-89.70	-2,328.65	-4,305.01	1,692.64	1,500.88	191.76	8.827		
12,620.39	7,246.07	7,223.38	7,223.10	161.48	30.85	-89.70	-2,328.65	-4,305.01	1,692.51	1,500.19	192.32	8.800 CC		
12,700.00	7,246.22	7,223.35	7,223.07	163.70	30.85	-89.70	-2,328.65	-4,305.01	1,694.39	1,500.09	194.30	8.721 ES		
12,800.00	7,246.41	7,223.31	7,223.03	166.49	30.85	-89.69	-2,328.65	-4,305.01	1,702.02	1,505.73	196.28	8.671 SF		
12,900.00	7,246.59	7,223.27	7,222.99	169.28	30.85	-89.69	-2,328.65	-4,305.01	1,715.46	1,517.74	197.71	8.677		
13,000.00	7,246.78	7,223.23	7,222.95	172.08	30.85	-89.69	-2,328.65	-4,305.01	1,734.56	1,535.97	198.59	8.734		
13,100.00	7,246.97	7,223.19	7,222.92	174.88	30.85	-89.69	-2,328.65	-4,305.01	1,759.16	1,560.20	198.95	8.842		
13,200.00	7,247.15	7,223.15	7,222.88	177.68	30.85	-89.69	-2,328.65	-4,305.01	1,789.01	1,590.18	198.83	8.998		
13,300.00	7,247.34	7,223.11	7,222.84	180.48	30.85	-89.69	-2,328.65	-4,305.01	1,823.86	1,625.59	198.27	9.199		
13,400.00	7,247.53	7,223.08	7,222.80	183.28	30.85	-89.69	-2,328.65	-4,305.01	1,863.44	1,666.10	197.34	9.443		
13,500.00	7,247.71	7,223.04	7,222.76	186.09	30.85	-89.68	-2,328.65	-4,305.01	1,907.44	1,711.37	196.07	9.728		
13,600.00	7,247.90	7,223.00	7,222.72	188.90	30.85	-89.68	-2,328.65	-4,305.01	1,955.57	1,761.03	194.53	10.053		
13,700.00	7,248.08	7,222.96	7,222.68	191.70	30.85	-89.68	-2,328.65	-4,305.01	2,007.53	1,814.75	192.78	10.414		
13,800.00	7,248.27	7,222.92	7,222.64	194.52	30.85	-89.68	-2,328.65	-4,305.01	2,063.03	1,872.18	190.85	10.810		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,248.46	7,222.88	7,222.60	197.33	30.85	-89.68	-2,328.65	-4,305.01	2,121.79	1,933.00	188.80	11.238		
14,000.00	7,248.64	7,222.84	7,222.56	200.14	30.85	-89.68	-2,328.65	-4,305.01	2,183.56	1,996.90	186.66	11.698		
14,100.00	7,248.83	7,222.80	7,222.52	202.95	30.85	-89.68	-2,328.65	-4,305.01	2,248.08	2,063.62	184.46	12.188		
14,200.00	7,249.02	7,222.76	7,222.49	205.77	30.85	-89.68	-2,328.65	-4,305.01	2,315.12	2,132.89	182.23	12.705		
14,300.00	7,249.20	7,222.72	7,222.45	208.59	30.85	-89.67	-2,328.65	-4,305.01	2,384.47	2,204.48	179.99	13.248		
14,400.00	7,249.39	7,222.69	7,222.41	211.41	30.85	-89.67	-2,328.65	-4,305.01	2,455.94	2,278.17	177.76	13.816		
14,500.00	7,249.58	7,222.65	7,222.37	214.23	30.85	-89.67	-2,328.65	-4,305.01	2,529.34	2,353.78	175.56	14.407		
14,600.00	7,249.76	7,222.61	7,222.33	217.05	30.85	-89.67	-2,328.65	-4,305.01	2,604.51	2,431.11	173.40	15.020		
14,700.00	7,249.95	7,222.57	7,222.29	219.87	30.85	-89.67	-2,328.65	-4,305.01	2,681.30	2,510.02	171.28	15.654		
14,800.00	7,250.13	7,222.53	7,222.25	222.69	30.85	-89.67	-2,328.65	-4,305.01	2,759.59	2,590.37	169.22	16.308		
14,900.00	7,250.32	7,222.49	7,222.21	225.51	30.85	-89.67	-2,328.65	-4,305.01	2,839.23	2,672.02	167.21	16.980		
15,000.00	7,250.51	7,222.45	7,222.17	228.34	30.85	-89.66	-2,328.65	-4,305.01	2,920.13	2,754.87	165.26	17.670		
15,100.00	7,250.69	7,222.41	7,222.13	231.16	30.85	-89.66	-2,328.65	-4,305.01	3,002.18	2,838.80	163.38	18.376		
15,200.00	7,250.88	7,222.37	7,222.09	233.99	30.85	-89.66	-2,328.65	-4,305.01	3,085.29	2,923.73	161.55	19.098		
15,300.00	7,251.07	7,222.33	7,222.06	236.82	30.85	-89.66	-2,328.65	-4,305.01	3,169.37	3,009.58	159.79	19.834		
15,400.00	7,251.25	7,222.29	7,222.02	239.65	30.85	-89.66	-2,328.64	-4,305.01	3,254.36	3,096.26	158.10	20.584		
15,500.00	7,251.44	7,222.26	7,221.98	242.47	30.85	-89.66	-2,328.64	-4,305.01	3,340.18	3,183.71	156.46	21.348		
15,600.00	7,251.62	7,222.22	7,221.94	245.30	30.85	-89.66	-2,328.64	-4,305.01	3,426.76	3,271.87	154.89	22.124		
15,700.00	7,251.81	7,222.18	7,221.90	248.13	30.85	-89.66	-2,328.64	-4,305.01	3,514.06	3,360.69	153.37	22.912		
15,800.00	7,252.00	7,222.14	7,221.86	250.97	30.85	-89.65	-2,328.64	-4,305.01	3,602.02	3,450.10	151.91	23.711		
15,900.00	7,252.18	7,222.10	7,221.82	253.80	30.85	-89.65	-2,328.64	-4,305.01	3,690.59	3,540.08	150.51	24.520		
16,000.00	7,252.37	7,222.06	7,221.78	256.63	30.85	-89.65	-2,328.64	-4,305.01	3,779.73	3,630.57	149.16	25.340		
16,100.00	7,252.56	7,222.02	7,221.74	259.46	30.85	-89.65	-2,328.64	-4,305.01	3,869.41	3,721.54	147.86	26.169		
16,200.00	7,252.74	7,221.98	7,221.70	262.30	30.84	-89.65	-2,328.64	-4,305.01	3,959.57	3,812.96	146.62	27.007		
16,300.00	7,252.93	7,221.94	7,221.67	265.13	30.84	-89.65	-2,328.64	-4,305.01	4,050.20	3,904.79	145.41	27.853		
16,400.00	7,253.11	7,221.90	7,221.63	267.96	30.84	-89.65	-2,328.64	-4,305.01	4,141.26	3,997.01	144.26	28.707		
16,500.00	7,253.30	7,221.86	7,221.59	270.80	30.84	-89.65	-2,328.64	-4,305.01	4,232.73	4,089.58	143.15	29.569		
16,600.00	7,253.49	7,221.83	7,221.55	273.64	30.84	-89.64	-2,328.64	-4,305.01	4,324.57	4,182.49	142.08	30.438		
16,700.00	7,253.67	7,221.79	7,221.51	276.47	30.84	-89.64	-2,328.64	-4,305.01	4,416.77	4,275.72	141.05	31.314		
16,800.00	7,253.86	7,221.75	7,221.47	279.31	30.84	-89.64	-2,328.64	-4,305.01	4,509.30	4,369.24	140.06	32.196		
16,900.00	7,254.05	7,221.71	7,221.43	282.15	30.84	-89.64	-2,328.64	-4,305.01	4,602.14	4,463.04	139.10	33.085		
17,000.00	7,254.23	7,221.67	7,221.39	284.98	30.84	-89.64	-2,328.64	-4,305.01	4,695.28	4,557.09	138.18	33.979		
17,100.00	7,254.42	7,221.63	7,221.35	287.82	30.84	-89.64	-2,328.64	-4,305.01	4,788.69	4,651.39	137.30	34.879		
17,200.00	7,254.61	7,221.59	7,221.31	290.66	30.84	-89.64	-2,328.64	-4,305.01	4,882.36	4,745.92	136.44	35.783		
17,300.00	7,254.79	7,221.55	7,221.27	293.50	30.84	-89.63	-2,328.64	-4,305.01	4,976.28	4,840.66	135.62	36.693		
17,400.00	7,254.98	7,221.51	7,221.24	296.34	30.84	-89.63	-2,328.64	-4,305.01	5,070.43	4,935.61	134.83	37.607		
17,500.00	7,255.16	7,221.47	7,221.20	299.18	30.84	-89.63	-2,328.64	-4,305.01	5,164.81	5,030.74	134.06	38.526		
17,600.00	7,255.35	7,221.44	7,221.16	302.02	30.84	-89.63	-2,328.64	-4,305.01	5,259.39	5,126.06	133.32	39.448		
17,700.00	7,255.54	7,221.40	7,221.12	304.86	30.84	-89.63	-2,328.64	-4,305.01	5,354.16	5,221.55	132.61	40.375		
17,800.00	7,255.72	7,221.36	7,221.08	307.70	30.84	-89.63	-2,328.64	-4,305.01	5,449.13	5,317.20	131.92	41.305		
17,900.00	7,255.91	7,221.32	7,221.04	310.54	30.84	-89.63	-2,328.64	-4,305.01	5,544.27	5,413.01	131.26	42.239		
18,000.00	7,256.10	7,221.28	7,221.00	313.39	30.84	-89.63	-2,328.64	-4,305.01	5,639.58	5,508.96	130.62	43.176		
18,100.00	7,256.28	7,221.24	7,220.96	316.23	30.84	-89.62	-2,328.64	-4,305.01	5,735.05	5,605.05	130.00	44.115		
18,200.00	7,256.47	7,221.20	7,220.92	319.07	30.84	-89.62	-2,328.64	-4,305.01	5,830.67	5,701.26	129.40	45.058		
18,300.00	7,256.65	7,221.16	7,220.88	321.91	30.84	-89.62	-2,328.64	-4,305.01	5,926.43	5,797.61	128.83	46.004		
18,400.00	7,256.84	7,221.12	7,220.84	324.76	30.84	-89.62	-2,328.64	-4,305.01	6,022.34	5,894.07	128.27	46.952		
18,500.00	7,257.03	7,221.08	7,220.81	327.60	30.84	-89.62	-2,328.64	-4,305.01	6,118.37	5,990.64	127.73	47.902		
18,600.00	7,257.21	7,221.04	7,220.77	330.44	30.84	-89.62	-2,328.64	-4,305.01	6,214.53	6,087.32	127.20	48.854		
18,700.00	7,257.40	7,221.01	7,220.73	333.29	30.84	-89.62	-2,328.64	-4,305.01	6,310.81	6,184.11	126.70	49.809		
18,800.00	7,257.59	7,220.97	7,220.69	336.13	30.84	-89.61	-2,328.64	-4,305.01	6,407.20	6,280.99	126.21	50.766		
18,900.00	7,257.77	7,220.93	7,220.65	338.98	30.84	-89.61	-2,328.64	-4,305.01	6,503.70	6,377.96	125.74	51.724		
19,000.00	7,257.96	7,220.89	7,220.61	341.82	30.84	-89.61	-2,328.64	-4,305.01	6,600.31	6,475.03	125.28	52.684		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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						
19,022.43	7,258.00	7,220.88	7,220.60	342.46	30.84	-89.61	-2,328.64	-4,305.01	6,621.99	6,496.81	125.18	52.899						

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,600.00	7,240.45	11,976.00	7,279.28	79.68	107.53	-92.10	-1,328.56	-11,169.42	9,914.89	9,774.42	140.48	70.581		
9,700.00	7,240.63	11,976.00	7,279.28	82.23	107.53	-92.10	-1,328.56	-11,169.42	9,815.16	9,674.60	140.56	69.831		
9,800.00	7,240.82	11,976.00	7,279.28	84.81	107.53	-92.10	-1,328.56	-11,169.42	9,715.43	9,574.79	140.64	69.080		
9,900.00	7,241.01	11,976.00	7,279.28	87.40	107.53	-92.10	-1,328.56	-11,169.42	9,615.71	9,474.98	140.73	68.328		
10,000.00	7,241.19	11,976.00	7,279.28	90.01	107.53	-92.10	-1,328.56	-11,169.42	9,515.99	9,375.17	140.82	67.574		
10,100.00	7,241.38	11,976.00	7,279.28	92.64	107.53	-92.10	-1,328.56	-11,169.42	9,416.28	9,275.36	140.92	66.820		
10,200.00	7,241.56	11,976.00	7,279.28	95.28	107.53	-92.10	-1,328.56	-11,169.42	9,316.58	9,175.56	141.02	66.064		
10,300.00	7,241.75	11,976.00	7,279.28	97.93	107.53	-92.10	-1,328.56	-11,169.42	9,216.88	9,075.75	141.13	65.307		
10,400.00	7,241.94	11,976.00	7,279.28	100.59	107.53	-92.10	-1,328.56	-11,169.42	9,117.19	8,975.95	141.24	64.550		
10,500.00	7,242.12	11,976.00	7,279.28	103.26	107.53	-92.10	-1,328.56	-11,169.42	9,017.50	8,876.14	141.36	63.790		
10,600.00	7,242.31	11,976.00	7,279.28	105.95	107.53	-92.10	-1,328.56	-11,169.42	8,917.83	8,776.34	141.48	63.030		
10,700.00	7,242.50	11,976.00	7,279.28	108.64	107.53	-92.10	-1,328.56	-11,169.42	8,818.16	8,676.54	141.61	62.269		
10,800.00	7,242.68	11,976.00	7,279.28	111.34	107.53	-92.10	-1,328.56	-11,169.42	8,718.49	8,576.74	141.75	61.506		
10,900.00	7,242.87	11,976.00	7,279.28	114.05	107.53	-92.10	-1,328.56	-11,169.42	8,618.84	8,476.95	141.89	60.743		
11,000.00	7,243.05	11,976.00	7,279.28	116.76	107.53	-92.10	-1,328.56	-11,169.42	8,519.19	8,377.15	142.04	59.978		
11,100.00	7,243.24	11,976.00	7,279.28	119.49	107.53	-92.10	-1,328.56	-11,169.42	8,419.55	8,277.36	142.19	59.212		
11,200.00	7,243.43	11,976.00	7,279.28	122.22	107.53	-92.10	-1,328.56	-11,169.42	8,319.92	8,177.57	142.35	58.445		
11,300.00	7,243.61	11,976.00	7,279.28	124.95	107.53	-92.10	-1,328.56	-11,169.42	8,220.30	8,077.78	142.52	57.677		
11,400.00	7,243.80	11,976.00	7,279.28	127.69	107.53	-92.10	-1,328.56	-11,169.42	8,120.69	7,977.99	142.70	56.908		
11,500.00	7,243.99	11,976.00	7,279.28	130.44	107.53	-92.10	-1,328.56	-11,169.42	8,021.09	7,878.21	142.88	56.137		
11,600.00	7,244.17	11,976.00	7,279.28	133.19	107.53	-92.10	-1,328.56	-11,169.42	7,921.50	7,778.42	143.08	55.366		
11,700.00	7,244.36	11,976.00	7,279.28	135.94	107.53	-92.10	-1,328.56	-11,169.42	7,821.92	7,678.64	143.28	54.593		
11,800.00	7,244.55	11,976.00	7,279.28	138.70	107.53	-92.10	-1,328.56	-11,169.42	7,722.35	7,578.86	143.49	53.820		
11,900.00	7,244.73	11,976.00	7,279.28	141.47	107.53	-92.10	-1,328.56	-11,169.42	7,622.79	7,479.08	143.70	53.045		
12,000.00	7,244.92	11,976.00	7,279.28	144.24	107.53	-92.10	-1,328.56	-11,169.42	7,523.24	7,379.31	143.93	52.269		
12,100.00	7,245.10	11,976.00	7,279.28	147.01	107.53	-92.10	-1,328.56	-11,169.42	7,423.71	7,279.54	144.17	51.492		
12,200.00	7,245.29	11,976.00	7,279.28	149.78	107.53	-92.10	-1,328.56	-11,169.42	7,324.18	7,179.76	144.42	50.714		
12,300.00	7,245.48	11,976.00	7,279.28	152.56	107.53	-92.10	-1,328.56	-11,169.42	7,224.67	7,079.99	144.68	49.935		
12,400.00	7,245.66	11,976.00	7,279.28	155.34	107.53	-92.10	-1,328.56	-11,169.42	7,125.18	6,980.23	144.95	49.155		
12,500.00	7,245.85	11,976.00	7,279.28	158.12	107.53	-92.10	-1,328.56	-11,169.42	7,025.70	6,880.46	145.24	48.374		
12,600.00	7,246.04	11,976.00	7,279.28	160.91	107.53	-92.10	-1,328.56	-11,169.42	6,926.23	6,780.70	145.53	47.592		
12,700.00	7,246.22	11,976.00	7,279.28	163.70	107.53	-92.10	-1,328.56	-11,169.42	6,826.78	6,680.94	145.84	46.810		
12,800.00	7,246.41	11,976.00	7,279.28	166.49	107.53	-92.10	-1,328.56	-11,169.42	6,727.35	6,581.18	146.17	46.026		
12,900.00	7,246.59	11,976.00	7,279.28	169.28	107.53	-92.10	-1,328.56	-11,169.42	6,627.93	6,481.43	146.50	45.241		
13,000.00	7,246.78	11,976.00	7,279.28	172.08	107.53	-92.10	-1,328.56	-11,169.42	6,528.53	6,381.67	146.86	44.455		
13,100.00	7,246.97	11,976.00	7,279.28	174.88	107.53	-92.10	-1,328.56	-11,169.42	6,429.15	6,281.92	147.23	43.668		
13,200.00	7,247.15	13,200.00	7,279.29	177.68	133.56	-92.10	-1,328.73	-11,169.41	6,329.79	6,156.08	173.70	36.440		
13,300.00	7,247.34	13,300.00	7,278.67	180.48	135.69	-92.09	-1,317.44	-11,170.66	6,230.44	6,054.38	176.05	35.390		
13,400.00	7,247.53	13,400.00	7,275.86	183.28	137.73	-92.01	-1,263.98	-11,176.44	6,131.09	5,953.49	177.60	34.521		
13,500.00	7,247.71	11,918.53	7,276.17	186.09	106.31	-92.01	-1,271.53	-11,175.70	6,031.74	5,885.11	146.63	41.137		
13,600.00	7,247.90	11,889.71	7,274.76	188.90	105.70	-91.98	-1,242.90	-11,178.71	5,932.33	5,786.42	145.90	40.659		
13,700.00	7,248.08	11,862.42	7,273.52	191.70	105.12	-91.95	-1,215.77	-11,181.49	5,832.88	5,687.66	145.22	40.165		
13,800.00	7,248.27	11,838.31	7,272.50	194.52	104.61	-91.93	-1,191.81	-11,183.87	5,733.41	5,588.76	144.65	39.636		
13,900.00	7,248.46	11,817.35	7,271.65	197.33	104.17	-91.91	-1,170.96	-11,185.91	5,633.92	5,489.73	144.20	39.071		
14,000.00	7,248.64	11,797.16	7,270.87	200.14	103.75	-91.90	-1,150.88	-11,187.82	5,534.41	5,390.65	143.76	38.497		
14,100.00	7,248.83	11,777.70	7,270.14	202.95	103.34	-91.89	-1,131.52	-11,189.64	5,434.88	5,291.54	143.34	37.915		
14,200.00	7,249.02	11,758.93	7,269.46	205.77	102.94	-91.88	-1,112.84	-11,191.36	5,335.34	5,192.39	142.94	37.325		
14,300.00	7,249.20	11,745.18	7,268.98	208.59	102.65	-91.88	-1,099.15	-11,192.60	5,235.78	5,093.03	142.75	36.678		
14,400.00	7,249.39	11,733.69	7,268.59	211.41	102.41	-91.88	-1,087.72	-11,193.62	5,136.22	4,993.57	142.65	36.006		
14,500.00	7,249.58	11,722.31	7,268.22	214.23	102.17	-91.88	-1,076.38	-11,194.64	5,036.65	4,894.10	142.55	35.332		
14,600.00	7,249.76	11,475.65	7,266.84	217.05	97.06	-93.59	-830.36	-11,210.95	4,937.16	4,804.42	132.74	37.195		
14,700.00	7,249.95	11,464.56	7,267.24	219.87	96.83	-93.89	-819.29	-11,211.39	4,837.26	4,704.75	132.51	36.506		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,800.00	7,250.13	11,455.48	7,267.57	222.69	96.65	-94.16	-810.22	-11,211.74	4,737.35	4,605.00	132.35	35.794		
14,900.00	7,250.32	11,446.81	7,267.88	225.51	96.47	-94.44	-801.56	-11,212.07	4,637.44	4,505.24	132.20	35.079		
15,000.00	7,250.51	11,438.52	7,268.17	228.34	96.30	-94.72	-793.28	-11,212.38	4,537.52	4,405.46	132.07	34.358		
15,100.00	7,250.69	11,430.59	7,268.45	231.16	96.14	-95.03	-785.36	-11,212.66	4,437.61	4,305.67	131.94	33.634		
15,200.00	7,250.88	11,422.99	7,268.71	233.99	95.99	-95.34	-777.78	-11,212.93	4,337.68	4,205.86	131.82	32.905		
15,300.00	7,251.07	11,415.71	7,268.96	236.82	95.84	-95.66	-770.50	-11,213.18	4,237.76	4,106.04	131.72	32.173		
15,400.00	7,251.25	11,408.72	7,269.19	239.65	95.69	-96.00	-763.52	-11,213.42	4,137.83	4,006.21	131.62	31.438		
15,500.00	7,251.44	11,402.01	7,269.41	242.47	95.56	-96.36	-756.82	-11,213.64	4,037.90	3,906.37	131.53	30.700		
15,600.00	7,251.62	11,395.57	7,269.63	245.30	95.43	-96.73	-750.38	-11,213.84	3,937.97	3,806.52	131.45	29.959		
15,700.00	7,251.81	11,389.37	7,269.83	248.13	95.30	-97.12	-744.19	-11,214.04	3,838.03	3,706.66	131.37	29.215		
15,800.00	7,252.00	11,383.40	7,270.02	250.97	95.18	-97.53	-738.23	-11,214.22	3,738.09	3,606.79	131.30	28.469		
15,900.00	7,252.18	11,377.65	7,270.20	253.80	95.06	-97.96	-732.49	-11,214.39	3,638.15	3,506.91	131.24	27.720		
16,000.00	7,252.37	11,372.11	7,270.38	256.63	94.95	-98.41	-726.95	-11,214.56	3,538.21	3,407.02	131.19	26.970		
16,100.00	7,252.56	11,366.27	7,270.50	259.46	94.87	-98.75	-723.11	-11,214.67	3,438.26	3,307.05	131.21	26.204		
16,200.00	7,252.74	11,364.49	7,270.61	262.30	94.79	-99.10	-719.33	-11,214.78	3,338.32	3,207.09	131.23	25.438		
16,300.00	7,252.93	11,360.74	7,270.72	265.13	94.72	-99.48	-715.58	-11,214.89	3,238.38	3,107.12	131.26	24.672		
16,400.00	7,253.11	11,357.02	7,270.83	267.96	94.64	-99.87	-711.87	-11,214.99	3,138.43	3,007.15	131.28	23.906		
16,500.00	7,253.30	11,353.33	7,270.93	270.80	94.57	-100.29	-708.19	-11,215.10	3,038.49	2,907.18	131.31	23.140		
16,600.00	7,253.49	11,349.68	7,271.03	273.64	94.49	-100.73	-704.53	-11,215.20	2,938.54	2,807.20	131.34	22.374		
16,700.00	7,253.67	11,346.05	7,271.12	276.47	94.42	-101.20	-700.91	-11,215.30	2,838.60	2,707.23	131.37	21.608		
16,800.00	7,253.86	11,342.46	7,271.21	279.31	94.35	-101.70	-697.32	-11,215.41	2,738.65	2,607.25	131.40	20.842		
16,900.00	7,254.05	11,338.89	7,271.30	282.15	94.28	-102.23	-693.75	-11,215.51	2,638.70	2,507.27	131.44	20.076		
17,000.00	7,254.23	11,335.35	7,271.38	284.98	94.20	-102.80	-690.22	-11,215.60	2,538.76	2,407.28	131.48	19.310		
17,100.00	7,254.42	11,331.85	7,271.47	287.82	94.13	-103.42	-686.71	-11,215.70	2,438.81	2,307.30	131.51	18.544		
17,200.00	7,254.61	11,328.37	7,271.54	290.66	94.06	-104.08	-683.24	-11,215.80	2,338.86	2,207.31	131.56	17.778		
17,300.00	7,254.79	11,324.92	7,271.62	293.50	93.99	-104.79	-679.79	-11,215.89	2,238.92	2,107.32	131.60	17.013		
17,400.00	7,254.98	11,321.49	7,271.69	296.34	93.92	-105.57	-676.37	-11,215.99	2,138.97	2,007.32	131.65	16.248		
17,500.00	7,255.16	11,318.10	7,271.75	299.18	93.85	-106.41	-672.97	-11,216.08	2,039.02	1,907.33	131.70	15.483		
17,600.00	7,255.35	11,314.73	7,271.82	302.02	93.79	-107.32	-669.61	-11,216.17	1,939.08	1,807.33	131.75	14.718		
17,700.00	7,255.54	11,311.39	7,271.88	304.86	93.72	-108.33	-666.27	-11,216.26	1,839.13	1,707.32	131.81	13.953		
17,800.00	7,255.72	11,308.07	7,271.94	307.70	93.65	-109.43	-662.95	-11,216.35	1,739.18	1,607.32	131.87	13.189		
17,900.00	7,255.91	11,304.78	7,271.99	310.54	93.58	-110.64	-659.67	-11,216.44	1,639.24	1,507.31	131.93	12.425		
18,000.00	7,256.10	11,301.52	7,272.05	313.39	93.52	-111.99	-656.41	-11,216.52	1,539.29	1,407.29	132.00	11.661		
18,100.00	7,256.28	11,298.28	7,272.10	316.23	93.45	-113.49	-653.17	-11,216.61	1,439.35	1,307.28	132.07	10.898		
18,200.00	7,256.47	11,295.07	7,272.15	319.07	93.39	-115.17	-649.96	-11,216.69	1,339.40	1,207.25	132.15	10.135		
18,300.00	7,256.65	11,291.88	7,272.16	321.91	93.41	-116.45	-646.71	-11,216.76	1,239.44	1,107.21	132.23	9.378		
18,400.00	7,256.84	11,288.71	7,272.21	324.76	93.32	-117.05	-643.44	-11,216.83	1,139.51	1,007.18	132.30	8.621		
18,500.00	7,257.03	11,285.56	7,272.26	327.60	93.24	-120.00	-640.15	-11,216.90	1,039.57	907.15	132.37	7.864		
18,600.00	7,257.21	11,283.44	7,272.30	330.44	93.16	-123.34	-636.83	-11,216.99	939.64	807.12	132.44	7.107		
18,700.00	7,257.40	11,279.82	7,272.34	333.29	93.08	-127.15	-633.47	-11,217.09	839.72	707.10	132.51	6.350		
18,800.00	7,257.59	11,276.21	7,272.38	336.13	93.01	-131.48	-630.10	-11,217.18	739.79	607.07	132.58	5.593		
18,900.00	7,257.77	11,272.78	7,272.41	338.98	92.94	-136.39	-626.71	-11,217.27	639.87	507.04	132.65	4.836		
19,000.00	7,257.96	11,269.52	7,272.45	341.82	92.87	-141.90	-623.31	-11,217.35	539.97	407.01	132.72	4.079		
19,022.43	7,258.00	11,268.81	7,272.45	342.46	92.86	-143.22	-623.71	-11,217.37	517.57	384.24	132.74	3.882 CC, ES, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,300.00	7,239.89	11,988.00	7,170.83	72.15	108.39	-83.21	-1,294.34	-10,864.27	9,907.48	9,767.63	139.85	70.842		
9,400.00	7,240.07	11,988.00	7,170.83	74.63	108.39	-83.21	-1,294.34	-10,864.27	9,807.72	9,667.80	139.92	70.095		
9,500.00	7,240.26	11,988.00	7,170.83	77.14	108.39	-83.21	-1,294.34	-10,864.27	9,707.97	9,567.98	139.99	69.347		
9,600.00	7,240.45	11,988.00	7,170.83	79.68	108.39	-83.21	-1,294.34	-10,864.27	9,608.23	9,468.16	140.07	68.598		
9,700.00	7,240.63	11,988.00	7,170.83	82.23	108.39	-83.21	-1,294.34	-10,864.27	9,508.49	9,368.34	140.15	67.847		
9,800.00	7,240.82	11,988.00	7,170.83	84.81	108.39	-83.21	-1,294.34	-10,864.27	9,408.75	9,268.52	140.23	67.096		
9,900.00	7,241.01	11,988.00	7,170.83	87.40	108.39	-83.21	-1,294.34	-10,864.27	9,309.02	9,168.71	140.32	66.343		
10,000.00	7,241.19	11,988.00	7,170.83	90.01	108.39	-83.21	-1,294.34	-10,864.27	9,209.30	9,068.89	140.41	65.589		
10,100.00	7,241.38	11,988.00	7,170.83	92.64	108.39	-83.21	-1,294.34	-10,864.27	9,109.58	8,969.08	140.50	64.835		
10,200.00	7,241.56	11,988.00	7,170.83	95.28	108.39	-83.21	-1,294.34	-10,864.27	9,009.87	8,869.27	140.61	64.079		
10,300.00	7,241.75	11,988.00	7,170.83	97.93	108.39	-83.21	-1,294.34	-10,864.27	8,910.17	8,769.46	140.71	63.321		
10,400.00	7,241.94	11,988.00	7,170.83	100.59	108.39	-83.21	-1,294.34	-10,864.27	8,810.47	8,669.65	140.83	62.563		
10,500.00	7,242.12	11,988.00	7,170.83	103.26	108.39	-83.21	-1,294.34	-10,864.27	8,710.78	8,569.84	140.94	61.804		
10,600.00	7,242.31	11,988.00	7,170.83	105.95	108.39	-83.21	-1,294.34	-10,864.27	8,611.10	8,470.03	141.07	61.043		
10,700.00	7,242.50	11,988.00	7,170.83	108.64	108.39	-83.21	-1,294.34	-10,864.27	8,511.42	8,370.23	141.19	60.282		
10,800.00	7,242.68	11,988.00	7,170.83	111.34	108.39	-83.21	-1,294.34	-10,864.27	8,411.75	8,270.42	141.33	59.519		
10,900.00	7,242.87	11,988.00	7,170.83	114.05	108.39	-83.21	-1,294.34	-10,864.27	8,312.09	8,170.62	141.47	58.755		
11,000.00	7,243.05	11,988.00	7,170.83	116.76	108.39	-83.21	-1,294.34	-10,864.27	8,212.44	8,070.82	141.62	57.990		
11,100.00	7,243.24	11,988.00	7,170.83	119.49	108.39	-83.21	-1,294.34	-10,864.27	8,112.80	7,971.03	141.77	57.224		
11,200.00	7,243.43	11,988.00	7,170.83	122.22	108.39	-83.21	-1,294.34	-10,864.27	8,013.16	7,871.23	141.93	56.457		
11,300.00	7,243.61	11,988.00	7,170.83	124.95	108.39	-83.21	-1,294.34	-10,864.27	7,913.54	7,771.43	142.10	55.689		
11,400.00	7,243.80	11,988.00	7,170.83	127.69	108.39	-83.21	-1,294.34	-10,864.27	7,813.92	7,671.64	142.28	54.920		
11,500.00	7,243.99	11,988.00	7,170.83	130.44	108.39	-83.21	-1,294.34	-10,864.27	7,714.32	7,571.85	142.46	54.149		
11,600.00	7,244.17	11,988.00	7,170.83	133.19	108.39	-83.21	-1,294.34	-10,864.27	7,614.72	7,472.06	142.66	53.378		
11,700.00	7,244.36	11,988.00	7,170.83	135.94	108.39	-83.21	-1,294.34	-10,864.27	7,515.14	7,372.28	142.86	52.605		
11,800.00	7,244.55	11,988.00	7,170.83	138.70	108.39	-83.21	-1,294.34	-10,864.27	7,415.56	7,272.49	143.07	51.832		
11,900.00	7,244.73	11,988.00	7,170.83	141.47	108.39	-83.21	-1,294.34	-10,864.27	7,316.00	7,172.71	143.29	51.057		
12,000.00	7,244.92	11,988.00	7,170.83	144.24	108.39	-83.21	-1,294.34	-10,864.27	7,216.45	7,072.93	143.52	50.281		
12,100.00	7,245.10	11,988.00	7,170.83	147.01	108.39	-83.21	-1,294.34	-10,864.27	7,116.91	6,973.15	143.76	49.505		
12,200.00	7,245.29	11,988.00	7,170.83	149.78	108.39	-83.21	-1,294.34	-10,864.27	7,017.39	6,873.37	144.01	48.727		
12,300.00	7,245.48	11,988.00	7,170.83	152.56	108.39	-83.21	-1,294.34	-10,864.27	6,917.88	6,773.60	144.28	47.948		
12,400.00	7,245.66	11,988.00	7,170.83	155.34	108.39	-83.21	-1,294.34	-10,864.27	6,818.38	6,673.83	144.55	47.168		
12,500.00	7,245.85	11,988.00	7,170.83	158.12	108.39	-83.21	-1,294.34	-10,864.27	6,718.90	6,574.06	144.84	46.387		
12,600.00	7,246.04	11,988.00	7,170.83	160.91	108.39	-83.21	-1,294.34	-10,864.27	6,619.44	6,474.29	145.15	45.605		
12,700.00	7,246.22	11,988.00	7,170.83	163.70	108.39	-83.21	-1,294.34	-10,864.27	6,519.99	6,374.52	145.46	44.822		
12,800.00	7,246.41	11,988.00	7,170.83	166.49	108.39	-83.21	-1,294.34	-10,864.27	6,420.55	6,274.76	145.79	44.039		
12,900.00	7,246.59	11,988.00	7,170.83	169.28	108.39	-83.21	-1,294.34	-10,864.27	6,321.14	6,175.00	146.14	43.254		
13,000.00	7,246.78	11,988.00	7,170.83	172.08	108.39	-83.21	-1,294.34	-10,864.27	6,221.75	6,075.24	146.50	42.468		
13,100.00	7,246.97	11,981.91	7,171.19	174.88	108.26	-83.18	-1,288.29	-10,864.92	6,122.37	5,975.71	146.65	41.747		
13,200.00	7,247.15	11,970.78	7,171.85	177.68	108.02	-83.12	-1,277.24	-10,866.12	6,022.99	5,876.37	146.62	41.080		
13,300.00	7,247.34	11,959.65	7,172.51	180.48	107.79	-83.06	-1,266.20	-10,867.31	5,923.61	5,777.03	146.58	40.412		
13,400.00	7,247.53	13,400.00	7,175.73	183.28	138.27	-82.66	-1,205.34	-10,873.51	5,824.08	5,647.49	176.59	32.981		
13,500.00	7,247.71	11,827.35	7,179.04	186.09	105.00	-82.04	-1,134.71	-10,880.34	5,724.75	5,582.62	142.13	40.279		
13,600.00	7,247.90	11,804.00	7,179.83	188.90	104.51	-81.76	-1,111.46	-10,882.37	5,625.17	5,483.63	141.54	39.743		
13,700.00	7,248.08	11,781.91	7,180.45	191.70	104.05	-81.47	-1,089.46	-10,884.23	5,525.56	5,384.58	140.99	39.192		
13,800.00	7,248.27	11,760.99	7,180.95	194.52	103.62	-81.14	-1,068.62	-10,885.94	5,425.94	5,285.48	140.46	38.628		
13,900.00	7,248.46	11,745.90	7,181.25	197.33	103.30	-80.89	-1,053.58	-10,887.15	5,326.30	5,186.13	140.17	37.999		
14,000.00	7,248.64	11,735.84	7,181.41	200.14	103.09	-80.70	-1,043.55	-10,887.95	5,226.65	5,086.58	140.07	37.313		
14,100.00	7,248.83	11,725.86	7,181.54	202.95	102.89	-80.50	-1,033.61	-10,888.73	5,127.01	4,987.02	139.98	36.626		
14,200.00	7,249.02	11,715.97	7,181.64	205.77	102.68	-80.29	-1,023.75	-10,889.51	5,027.35	4,887.46	139.89	35.937		
14,300.00	7,249.20	11,706.17	7,181.70	208.59	102.48	-80.07	-1,013.98	-10,890.28	4,927.70	4,787.90	139.80	35.247		
14,400.00	7,249.39	11,696.45	7,181.74	211.41	102.27	-79.84	-1,004.29	-10,891.04	4,828.05	4,688.33	139.72	34.555		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,500.00	7,249.58	11,686.82	7,181.75	214.23	102.07	-79.59	-994.68	-10,891.78	4,728.39	4,588.75	139.64	33.862		
14,600.00	7,249.76	11,677.27	7,181.73	217.05	101.88	-79.33	-985.16	-10,892.52	4,628.73	4,489.18	139.55	33.168		
14,700.00	7,249.95	11,667.91	7,181.69	219.87	101.68	-79.05	-975.83	-10,893.24	4,529.07	4,389.59	139.48	32.471		
14,800.00	7,250.13	11,658.44	7,181.61	222.69	101.49	-78.76	-966.39	-10,893.96	4,429.41	4,290.01	139.40	31.775		
14,900.00	7,250.32	11,649.06	7,181.50	225.51	101.29	-78.45	-957.03	-10,894.68	4,329.74	4,190.42	139.32	31.077		
15,000.00	7,250.51	11,639.75	7,181.39	228.34	101.10	-78.12	-947.76	-10,895.38	4,230.08	4,090.83	139.24	30.379		
15,100.00	7,250.69	11,630.53	7,181.25	231.16	100.91	-77.77	-938.56	-10,896.08	4,130.41	3,991.24	139.17	29.679		
15,200.00	7,250.88	11,621.39	7,181.09	233.99	100.72	-77.41	-929.45	-10,896.77	4,030.74	3,891.64	139.10	28.978		
15,300.00	7,251.07	11,612.32	7,180.92	236.82	100.53	-77.02	-920.41	-10,897.44	3,931.07	3,792.04	139.03	28.276		
15,400.00	7,251.25	11,603.34	7,180.74	239.65	100.35	-76.62	-911.45	-10,898.11	3,831.39	3,692.44	138.96	27.573		
15,500.00	7,251.44	11,594.43	7,180.53	242.47	100.16	-76.19	-902.57	-10,898.77	3,731.72	3,592.83	138.89	26.868		
15,600.00	7,251.62	11,585.59	7,180.31	245.30	99.98	-75.73	-893.76	-10,899.43	3,632.05	3,493.22	138.82	26.163		
15,700.00	7,251.81	11,576.83	7,180.08	248.13	99.80	-75.25	-885.03	-10,900.07	3,532.37	3,393.61	138.76	25.457		
15,800.00	7,252.00	11,568.15	7,179.83	250.97	99.62	-74.75	-876.37	-10,900.71	3,432.69	3,294.00	138.70	24.750		
15,900.00	7,252.18	11,559.65	7,179.57	253.80	99.44	-74.21	-867.89	-10,901.33	3,333.02	3,194.38	138.64	24.041		
16,000.00	7,252.37	11,553.05	7,179.37	256.63	99.31	-73.78	-861.32	-10,901.81	3,233.34	3,094.63	138.71	23.310		
16,100.00	7,252.56	11,546.39	7,179.18	259.46	99.17	-73.32	-854.68	-10,902.29	3,133.67	2,994.89	138.78	22.580		
16,200.00	7,252.74	11,539.67	7,179.00	262.30	99.03	-72.84	-847.98	-10,902.79	3,034.00	2,895.15	138.85	21.851		
16,300.00	7,252.93	11,532.88	7,178.82	265.13	98.89	-72.33	-841.21	-10,903.29	2,934.34	2,795.42	138.92	21.122		
16,400.00	7,253.11	11,526.02	7,178.66	267.96	98.75	-71.79	-834.38	-10,903.80	2,834.69	2,695.69	139.00	20.394		
16,500.00	7,253.30	11,519.10	7,178.51	270.80	98.61	-71.21	-827.47	-10,904.32	2,735.04	2,595.97	139.07	19.667		
16,600.00	7,253.49	11,512.11	7,178.37	273.64	98.46	-70.60	-820.50	-10,904.84	2,635.39	2,496.25	139.14	18.941		
16,700.00	7,253.67	11,505.05	7,178.24	276.47	98.32	-69.95	-813.46	-10,905.38	2,535.75	2,396.54	139.21	18.215		
16,800.00	7,253.86	11,497.92	7,178.13	279.31	98.17	-69.25	-806.35	-10,905.92	2,436.12	2,296.84	139.28	17.490		
16,900.00	7,254.05	11,490.71	7,178.02	282.15	98.02	-68.50	-799.17	-10,906.47	2,336.49	2,197.14	139.35	16.767		
17,000.00	7,254.23	11,483.44	7,177.93	284.98	97.87	-67.70	-791.92	-10,907.03	2,236.88	2,097.45	139.42	16.044		
17,100.00	7,254.42	11,476.09	7,177.85	287.82	97.72	-66.84	-784.59	-10,907.59	2,137.27	1,997.78	139.49	15.322		
17,200.00	7,254.61	11,472.02	7,177.81	290.66	97.64	-66.34	-780.53	-10,907.90	2,037.66	1,897.74	139.56	14.563		
17,300.00	7,254.79	11,467.93	7,177.72	293.50	97.55	-65.84	-776.49	-10,908.21	1,938.07	1,798.22	139.63	13.804		
17,400.00	7,254.98	11,464.76	7,177.68	296.34	97.46	-65.34	-772.45	-10,908.52	1,838.46	1,698.70	139.70	13.045		
17,500.00	7,255.16	11,462.42	7,177.69	299.18	97.37	-64.84	-768.41	-10,908.83	1,738.84	1,600.00	139.77	12.286		
17,600.00	7,255.35	11,460.83	7,177.75	302.02	97.28	-64.34	-764.37	-10,909.14	1,639.21	1,501.75	139.84	11.527		
17,700.00	7,255.54	11,460.93	7,177.84	304.86	97.19	-63.84	-760.33	-10,909.45	1,539.58	1,402.65	139.91	10.768		
17,800.00	7,255.72	11,461.02	7,177.96	307.70	97.10	-63.34	-756.29	-10,909.76	1,439.94	1,303.53	139.98	10.009		
17,900.00	7,255.91	11,461.11	7,178.10	310.54	97.01	-62.84	-752.25	-10,910.07	1,340.31	1,204.39	140.05	9.250		
18,000.00	7,256.10	11,461.20	7,178.27	313.39	96.92	-62.34	-748.21	-10,910.38	1,240.69	1,105.24	140.12	8.491		
18,100.00	7,256.28	11,461.29	7,178.44	316.23	96.83	-61.84	-744.17	-10,910.69	1,141.08	1,006.11	140.19	7.732		
18,200.00	7,256.47	11,461.38	7,178.60	319.07	96.74	-61.34	-740.13	-10,910.99	1,041.50	906.74	140.26	6.973		
18,300.00	7,256.65	11,461.47	7,178.73	321.91	96.65	-60.84	-736.09	-10,911.30	941.97	807.28	140.33	6.214		
18,400.00	7,256.84	11,461.56	7,178.87	324.76	96.56	-60.34	-732.05	-10,911.61	842.50	707.92	140.40	5.455		
18,500.00	7,257.03	11,461.65	7,179.02	327.60	96.47	-59.84	-728.01	-10,911.92	743.12	608.68	140.47	4.696		
18,600.00	7,257.21	11,461.74	7,179.16	330.44	96.38	-59.34	-723.97	-10,912.23	643.75	509.60	140.54	3.937		
18,700.00	7,257.40	11,461.83	7,179.31	333.29	96.29	-58.84	-719.93	-10,912.54	544.38	410.75	140.61	3.178		
18,800.00	7,257.59	11,461.92	7,179.47	336.13	96.20	-58.34	-715.89	-10,912.85	445.01	312.22	140.68	2.419		
18,900.00	7,257.77	11,462.01	7,179.62	338.98	96.11	-57.84	-711.85	-10,913.16	345.64	213.13	140.75	1.660		
19,000.00	7,257.96	11,462.10	7,179.78	341.82	96.02	-57.34	-707.81	-10,913.47	246.27	114.52	140.82	0.901		
19,022.43	7,258.00	11,462.14	7,179.82	342.46	96.00	-57.28	-706.88	-10,913.54	229.92	94.68	140.84	0.865		

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

Offset Design													Falken 9-11 PAD - Merritt 6-66-9-0857BH(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 726-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
9,500.00	7,240.26	11,078.62	7,108.35	77.14	92.53	8.54	-587.82	-11,122.80	9,945.76	9,823.13	122.62	81.108				
9,600.00	7,240.45	11,078.67	7,108.35	79.68	92.54	8.52	-587.87	-11,122.80	9,845.77	9,723.13	122.64	80.284				
9,700.00	7,240.63	11,078.71	7,108.35	82.23	92.54	8.50	-587.92	-11,122.80	9,745.78	9,623.13	122.65	79.460				
9,800.00	7,240.82	11,078.76	7,108.35	84.81	92.54	8.48	-587.97	-11,122.80	9,645.79	9,523.13	122.66	78.635				
9,900.00	7,241.01	11,078.81	7,108.35	87.40	92.54	8.46	-588.02	-11,122.80	9,545.80	9,423.12	122.68	77.810				
10,000.00	7,241.19	11,078.87	7,108.35	90.01	92.54	8.44	-588.07	-11,122.80	9,445.81	9,323.12	122.70	76.985				
10,100.00	7,241.38	11,078.92	7,108.35	92.64	92.54	8.42	-588.12	-11,122.80	9,345.83	9,223.11	122.72	76.159				
10,200.00	7,241.56	11,078.97	7,108.35	95.28	92.54	8.40	-588.17	-11,122.80	9,245.84	9,123.11	122.73	75.332				
10,300.00	7,241.75	11,079.02	7,108.35	97.93	92.54	8.38	-588.23	-11,122.80	9,145.85	9,023.10	122.75	74.506				
10,400.00	7,241.94	11,079.08	7,108.35	100.59	92.54	8.36	-588.28	-11,122.80	9,045.86	8,923.09	122.77	73.679				
10,500.00	7,242.12	11,079.13	7,108.35	103.26	92.54	8.34	-588.34	-11,122.80	8,945.88	8,823.08	122.80	72.852				
10,600.00	7,242.31	11,079.19	7,108.35	105.95	92.55	8.32	-588.39	-11,122.80	8,845.89	8,723.07	122.82	72.024				
10,700.00	7,242.50	11,079.25	7,108.35	108.64	92.55	8.30	-588.45	-11,122.80	8,745.90	8,623.06	122.84	71.196				
10,800.00	7,242.68	11,079.31	7,108.35	111.34	92.55	8.27	-588.51	-11,122.80	8,645.92	8,523.05	122.87	70.368				
10,900.00	7,242.87	11,079.37	7,108.35	114.05	92.55	8.25	-588.57	-11,122.80	8,545.93	8,423.04	122.89	69.540				
11,000.00	7,243.05	11,079.43	7,108.35	116.76	92.55	8.23	-588.63	-11,122.80	8,445.95	8,323.03	122.92	68.712				
11,100.00	7,243.24	11,079.49	7,108.35	119.49	92.55	8.20	-588.69	-11,122.80	8,345.96	8,223.02	122.95	67.884				
11,200.00	7,243.43	11,079.55	7,108.35	122.22	92.55	8.18	-588.76	-11,122.80	8,245.98	8,123.01	122.97	67.055				
11,300.00	7,243.61	11,079.62	7,108.35	124.95	92.55	8.15	-588.82	-11,122.80	8,145.99	8,022.99	123.00	66.226				
11,400.00	7,243.80	11,079.68	7,108.35	127.69	92.56	8.13	-588.88	-11,122.80	8,046.01	7,922.98	123.03	65.397				
11,500.00	7,243.99	11,079.75	7,108.35	130.44	92.56	8.10	-588.95	-11,122.80	7,946.03	7,822.96	123.06	64.569				
11,600.00	7,244.17	11,079.82	7,108.35	133.19	92.56	8.08	-589.02	-11,122.80	7,846.04	7,722.95	123.09	63.740				
11,700.00	7,244.36	11,079.88	7,108.35	135.94	92.56	8.05	-589.09	-11,122.80	7,746.06	7,622.93	123.13	62.911				
11,800.00	7,244.55	11,079.96	7,108.35	138.70	92.56	8.02	-589.16	-11,122.80	7,646.08	7,522.92	123.16	62.082				
11,900.00	7,244.73	11,080.03	7,108.35	141.47	92.56	7.99	-589.23	-11,122.80	7,546.10	7,422.90	123.20	61.253				
12,000.00	7,244.92	11,080.10	7,108.35	144.24	92.56	7.96	-589.30	-11,122.80	7,446.12	7,322.89	123.23	60.424				
12,100.00	7,245.10	11,080.17	7,108.35	147.01	92.57	7.94	-589.38	-11,122.81	7,346.14	7,222.87	123.27	59.596				
12,200.00	7,245.29	11,080.25	7,108.35	149.78	92.57	7.91	-589.45	-11,122.81	7,246.16	7,122.85	123.30	58.767				
12,300.00	7,245.48	11,080.33	7,108.35	152.56	92.57	7.88	-589.53	-11,122.81	7,146.18	7,022.84	123.34	57.939				
12,400.00	7,245.66	11,080.41	7,108.35	155.34	92.57	7.85	-589.61	-11,122.81	7,046.20	6,922.82	123.38	57.110				
12,500.00	7,245.85	11,080.49	7,108.35	158.12	92.57	7.81	-589.69	-11,122.81	6,946.22	6,822.80	123.42	56.282				
12,600.00	7,246.04	11,080.57	7,108.35	160.91	92.57	7.78	-589.77	-11,122.81	6,846.24	6,722.79	123.46	55.454				
12,700.00	7,246.22	11,080.65	7,108.35	163.70	92.57	7.75	-589.86	-11,122.81	6,746.27	6,622.77	123.50	54.627				
12,800.00	7,246.41	11,080.74	7,108.35	166.49	92.58	7.72	-589.94	-11,122.81	6,646.29	6,522.75	123.54	53.799				
12,900.00	7,246.59	11,080.83	7,108.35	169.28	92.58	7.68	-590.03	-11,122.81	6,546.31	6,422.73	123.58	52.972				
13,000.00	7,246.78	11,080.92	7,108.35	172.08	92.58	7.65	-590.12	-11,122.81	6,446.34	6,322.72	123.62	52.145				
13,100.00	7,246.97	11,081.01	7,108.35	174.88	92.58	7.61	-590.21	-11,122.81	6,346.36	6,222.70	123.67	51.318				
13,200.00	7,247.15	11,081.10	7,108.35	177.68	92.58	7.57	-590.31	-11,122.81	6,246.39	6,122.68	123.71	50.492				
13,300.00	7,247.34	11,081.20	7,108.35	180.48	92.59	7.54	-590.40	-11,122.81	6,146.42	6,022.66	123.76	49.666				
13,400.00	7,247.53	11,081.30	7,108.35	183.28	92.59	7.50	-590.50	-11,122.81	6,046.45	5,922.65	123.80	48.840				
13,500.00	7,247.71	11,081.40	7,108.35	186.09	92.59	7.46	-590.60	-11,122.81	5,946.48	5,822.63	123.85	48.015				
13,600.00	7,247.90	11,081.50	7,108.35	188.90	92.59	7.42	-590.70	-11,122.81	5,846.51	5,722.62	123.89	47.190				
13,700.00	7,248.08	11,081.60	7,108.35	191.70	92.59	7.38	-590.81	-11,122.82	5,746.54	5,622.60	123.94	46.366				
13,800.00	7,248.27	11,081.71	7,108.35	194.52	92.60	7.34	-590.91	-11,122.82	5,646.57	5,522.59	123.99	45.542				
13,900.00	7,248.46	11,081.82	7,108.35	197.33	92.60	7.29	-591.02	-11,122.82	5,546.61	5,422.57	124.03	44.718				
14,000.00	7,248.64	11,081.93	7,108.35	200.14	92.60	7.25	-591.14	-11,122.82	5,446.64	5,322.56	124.08	43.895				
14,100.00	7,248.83	11,082.05	7,108.35	202.95	92.60	7.21	-591.25	-11,122.82	5,346.68	5,222.55	124.13	43.073				
14,200.00	7,249.02	11,082.17	7,108.35	205.77	92.61	7.16	-591.37	-11,122.82	5,246.72	5,122.53	124.18	42.251				
14,300.00	7,249.20	11,082.29	7,108.35	208.59	92.61	7.11	-591.49	-11,122.82	5,146.75	5,022.52	124.23	41.429				
14,400.00	7,249.39	11,082.41	7,108.35	211.41	92.61	7.06	-591.62	-11,122.82	5,046.80	4,922.52	124.28	40.608				
14,500.00	7,249.58	11,082.54	7,108.35	214.23	92.61	7.01	-591.74	-11,122.82	4,946.84	4,822.51	124.33	39.788				
14,600.00	7,249.76	11,082.67	7,108.35	217.05	92.62	6.96	-591.87	-11,122.82	4,846.88	4,722.50	124.38	38.968				

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)						
14,700.00	7,249.95	11,082.81	7,108.35	219.87	92.62	6.91	-592.01	-11,122.82	4,746.93	4,622.50	124.43	38.149		
14,800.00	7,250.13	11,082.94	7,108.35	222.69	92.62	6.86	-592.15	-11,122.83	4,646.98	4,522.49	124.48	37.331		
14,900.00	7,250.32	11,083.09	7,108.35	225.51	92.62	6.80	-592.29	-11,122.83	4,547.03	4,422.49	124.53	36.513		
15,000.00	7,250.51	11,083.23	7,108.35	228.34	92.63	6.74	-592.43	-11,122.83	4,447.08	4,322.49	124.58	35.696		
15,100.00	7,250.69	11,083.38	7,108.36	231.16	92.63	6.68	-592.58	-11,122.83	4,347.13	4,222.50	124.63	34.879		
15,200.00	7,250.88	11,083.54	7,108.36	233.99	92.63	6.62	-592.74	-11,122.83	4,247.19	4,122.51	124.68	34.063		
15,300.00	7,251.07	11,083.69	7,108.36	236.82	92.64	6.56	-592.90	-11,122.83	4,147.25	4,022.51	124.74	33.248		
15,400.00	7,251.25	11,083.86	7,108.36	239.65	92.64	6.50	-593.06	-11,122.83	4,047.31	3,922.53	124.79	32.434		
15,500.00	7,251.44	11,084.02	7,108.36	242.47	92.64	6.43	-593.23	-11,122.83	3,947.38	3,822.54	124.84	31.620		
15,600.00	7,251.62	11,084.20	7,108.36	245.30	92.65	6.36	-593.40	-11,122.84	3,847.45	3,722.56	124.89	30.808		
15,700.00	7,251.81	11,084.38	7,108.36	248.13	92.65	6.30	-593.58	-11,122.84	3,747.52	3,622.59	124.94	29.996		
15,800.00	7,252.00	11,084.56	7,108.36	250.97	92.65	6.22	-593.76	-11,122.84	3,647.60	3,522.61	124.98	29.184		
15,900.00	7,252.18	11,084.75	7,108.36	253.80	92.66	6.15	-593.95	-11,122.84	3,547.68	3,422.65	125.03	28.374		
16,000.00	7,252.37	11,084.95	7,108.36	256.63	92.66	6.07	-594.15	-11,122.84	3,447.77	3,322.69	125.08	27.564		
16,100.00	7,252.56	11,085.15	7,108.36	259.46	92.66	5.99	-594.35	-11,122.84	3,347.86	3,222.73	125.13	26.756		
16,200.00	7,252.74	11,085.36	7,108.36	262.30	92.67	5.91	-594.56	-11,122.84	3,247.96	3,122.78	125.17	25.948		
16,300.00	7,252.93	11,085.57	7,108.36	265.13	92.67	5.83	-594.77	-11,122.85	3,148.06	3,022.84	125.22	25.141		
16,400.00	7,253.11	11,085.80	7,108.36	267.96	92.68	5.74	-595.00	-11,122.85	3,048.17	2,922.91	125.26	24.334		
16,500.00	7,253.30	11,086.03	7,108.36	270.80	92.68	5.65	-595.23	-11,122.85	2,948.29	2,822.98	125.30	23.529		
16,600.00	7,253.49	11,086.27	7,108.36	273.64	92.69	5.55	-595.47	-11,122.85	2,848.41	2,723.07	125.34	22.725		
16,700.00	7,253.67	11,086.51	7,108.36	276.47	92.69	5.46	-595.72	-11,122.86	2,748.55	2,623.16	125.38	21.921		
16,800.00	7,253.86	11,086.77	7,108.36	279.31	92.70	5.36	-595.97	-11,122.86	2,648.69	2,523.27	125.42	21.119		
16,900.00	7,254.05	11,087.04	7,108.36	282.15	92.70	5.25	-596.24	-11,122.86	2,548.85	2,423.39	125.46	20.317		
17,000.00	7,254.23	11,087.31	7,108.36	284.98	92.71	5.14	-596.52	-11,122.86	2,449.02	2,323.53	125.49	19.516		
17,100.00	7,254.42	11,087.60	7,108.36	287.82	92.71	5.03	-596.80	-11,122.87	2,349.20	2,223.68	125.52	18.716		
17,200.00	7,254.61	11,087.90	7,108.36	290.66	92.72	4.91	-597.10	-11,122.87	2,249.40	2,123.85	125.54	17.917		
17,300.00	7,254.79	11,088.21	7,108.36	293.50	92.73	4.79	-597.41	-11,122.87	2,149.61	2,024.05	125.57	17.119		
17,400.00	7,254.98	11,088.54	7,108.36	296.34	92.73	4.66	-597.74	-11,122.87	2,049.85	1,924.26	125.59	16.322		
17,500.00	7,255.16	11,088.87	7,108.36	299.18	92.74	4.53	-598.08	-11,122.88	1,950.12	1,824.51	125.61	15.526		
17,600.00	7,255.35	11,089.23	7,108.36	302.02	92.75	4.39	-598.43	-11,122.88	1,850.41	1,724.79	125.62	14.730		
17,700.00	7,255.54	11,089.59	7,108.36	304.86	92.75	4.24	-598.80	-11,122.88	1,750.73	1,625.10	125.63	13.936		
17,800.00	7,255.72	11,089.98	7,108.36	307.70	92.76	4.09	-599.18	-11,122.89	1,651.09	1,525.46	125.63	13.142		
17,900.00	7,255.91	11,090.38	7,108.36	310.54	92.77	3.93	-599.58	-11,122.89	1,551.50	1,425.87	125.64	12.349		
18,000.00	7,256.10	11,090.80	7,108.36	313.39	92.78	3.77	-600.00	-11,122.90	1,451.97	1,326.33	125.64	11.557		
18,100.00	7,256.28	11,091.24	7,108.36	316.23	92.79	3.59	-600.45	-11,122.90	1,352.51	1,226.86	125.64	10.765		
18,200.00	7,256.47	11,091.71	7,108.36	319.07	92.79	3.41	-600.91	-11,122.91	1,253.13	1,127.48	125.65	9.973		
18,300.00	7,256.65	11,092.19	7,108.36	321.91	92.80	3.22	-601.40	-11,122.91	1,153.85	1,028.19	125.66	9.182		
18,400.00	7,256.84	11,092.71	7,108.36	324.76	92.81	3.01	-601.91	-11,122.92	1,054.71	929.02	125.69	8.391		
18,500.00	7,257.03	11,093.25	7,108.36	327.60	92.83	2.80	-602.45	-11,122.92	955.76	830.00	125.76	7.600		
18,600.00	7,257.21	11,093.82	7,108.36	330.44	92.84	2.57	-603.02	-11,122.93	857.04	731.14	125.90	6.807		
18,700.00	7,257.40	11,094.42	7,108.36	333.29	92.85	2.34	-603.62	-11,122.94	758.66	632.51	126.15	6.014		
18,800.00	7,257.59	11,095.06	7,108.36	336.13	92.86	2.08	-604.26	-11,122.95	660.77	534.14	126.63	5.218		
18,900.00	7,257.77	11,095.73	7,108.36	338.98	92.87	1.82	-604.93	-11,122.95	563.61	436.11	127.50	4.420		
19,000.00	7,257.96	11,096.45	7,108.36	341.82	92.89	1.53	-605.65	-11,122.96	467.66	338.52	129.14	3.621		
19,022.43	7,258.00	11,096.62	7,108.36	342.46	92.89	1.47	-605.82	-11,122.96	446.38	316.71	129.67	3.442 CC, ES, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-143.42	-2,462.64	-1,827.84	3,066.93					
100.00	100.00	79.00	79.00	3.28	3.56	-143.42	-2,462.64	-1,827.84	3,066.86	3,060.01	6.84	448.188		
200.00	200.00	179.00	179.00	3.34	5.57	-143.42	-2,462.64	-1,827.84	3,066.86	3,057.95	8.91	344.270		
300.00	300.00	279.00	279.00	3.44	8.64	-143.42	-2,462.64	-1,827.84	3,066.86	3,054.77	12.09	253.752		
400.00	399.98	378.98	378.98	3.60	11.94	100.61	-2,462.64	-1,827.84	3,067.18	3,051.63	15.54	197.351		
500.00	499.84	478.84	478.84	3.79	15.33	100.69	-2,462.64	-1,827.84	3,068.14	3,049.03	19.12	160.490		
600.00	599.45	578.45	578.45	4.03	18.74	100.81	-2,462.64	-1,827.84	3,069.78	3,047.01	22.76	134.847		
700.00	698.70	677.70	677.70	4.30	22.16	100.99	-2,462.64	-1,827.84	3,072.10	3,045.64	26.46	116.110		
800.00	797.47	776.47	776.47	4.61	25.57	101.21	-2,462.64	-1,827.84	3,075.15	3,044.96	30.18	101.882		
900.00	895.62	874.62	874.62	4.96	28.97	101.48	-2,462.64	-1,827.84	3,078.97	3,045.04	33.93	90.746		
939.50	934.20	913.20	913.20	5.10	30.31	101.60	-2,462.64	-1,827.84	3,080.70	3,045.29	35.41	86.994		
1,000.00	993.20	972.20	972.20	5.33	32.36	101.83	-2,462.64	-1,827.84	3,083.49	3,045.80	37.69	81.807		
1,100.00	1,090.72	1,069.72	1,069.72	5.73	35.75	102.23	-2,462.64	-1,827.84	3,088.22	3,046.73	41.48	74.448		
1,200.00	1,188.24	1,167.24	1,167.24	6.15	39.14	102.62	-2,462.64	-1,827.84	3,093.09	3,047.80	45.29	68.292		
1,300.00	1,285.76	1,264.76	1,264.76	6.59	42.53	103.01	-2,462.64	-1,827.84	3,098.12	3,049.00	49.12	63.072		
1,400.00	1,383.28	1,362.28	1,362.28	7.04	45.93	103.40	-2,462.64	-1,827.84	3,103.30	3,050.34	52.96	58.595		
1,500.00	1,480.80	1,459.80	1,459.80	7.50	49.33	103.79	-2,462.64	-1,827.84	3,108.63	3,051.81	56.82	54.714		
1,600.00	1,578.31	1,557.31	1,557.31	7.96	52.72	104.17	-2,462.64	-1,827.84	3,114.10	3,053.42	60.68	51.322		
1,700.00	1,675.83	1,654.83	1,654.83	8.44	56.12	104.56	-2,462.64	-1,827.84	3,119.73	3,055.18	64.55	48.332		
1,800.00	1,773.35	1,752.35	1,752.35	8.92	59.52	104.94	-2,462.64	-1,827.84	3,125.49	3,057.07	68.42	45.678		
1,900.00	1,870.87	1,849.87	1,849.87	9.40	62.92	105.32	-2,462.64	-1,827.84	3,131.41	3,059.10	72.31	43.307		
2,000.00	1,968.39	1,947.39	1,947.39	9.89	66.32	105.70	-2,462.64	-1,827.84	3,137.47	3,061.28	76.19	41.178		
2,100.00	2,065.91	2,044.91	2,044.91	10.39	69.72	106.08	-2,462.64	-1,827.84	3,143.68	3,063.59	80.08	39.255		
2,200.00	2,163.43	2,142.43	2,142.43	10.88	73.12	106.46	-2,462.64	-1,827.84	3,150.02	3,066.05	83.98	37.511		
2,300.00	2,260.95	2,239.95	2,239.95	11.38	76.52	106.84	-2,462.64	-1,827.84	3,156.51	3,068.64	87.87	35.922		
2,400.00	2,358.46	2,337.46	2,337.46	11.89	79.92	107.21	-2,462.64	-1,827.84	3,163.15	3,071.38	91.77	34.468		
2,500.00	2,455.98	2,434.98	2,434.98	12.39	83.32	107.59	-2,462.64	-1,827.84	3,169.92	3,074.25	95.67	33.134		
2,600.00	2,553.50	2,532.50	2,532.50	12.89	86.73	107.96	-2,462.64	-1,827.84	3,176.83	3,077.26	99.57	31.905		
2,700.00	2,651.02	2,630.02	2,630.02	13.40	90.13	108.33	-2,462.64	-1,827.84	3,183.88	3,080.41	103.48	30.769		
2,800.00	2,748.54	2,727.54	2,727.54	13.91	93.53	108.70	-2,462.64	-1,827.84	3,191.07	3,083.69	107.38	29.717		
2,900.00	2,846.06	2,825.06	2,825.06	14.42	96.93	109.07	-2,462.64	-1,827.84	3,198.40	3,087.11	111.29	28.740		
3,000.00	2,943.58	2,922.58	2,922.58	14.93	100.34	109.43	-2,462.64	-1,827.84	3,205.86	3,090.67	115.19	27.830		
3,100.00	3,041.10	3,020.10	3,020.10	15.45	103.74	109.80	-2,462.64	-1,827.84	3,213.46	3,094.36	119.10	26.981		
3,200.00	3,138.61	3,117.61	3,117.61	15.96	107.14	110.16	-2,462.64	-1,827.84	3,221.19	3,098.18	123.01	26.187		
3,300.00	3,236.13	3,215.13	3,215.13	16.47	110.54	110.52	-2,462.64	-1,827.84	3,229.06	3,102.14	126.92	25.442		
3,400.00	3,333.65	3,312.65	3,312.65	16.99	113.95	110.88	-2,462.64	-1,827.84	3,237.06	3,106.23	130.83	24.743		
3,500.00	3,431.17	3,410.17	3,410.17	17.50	117.35	111.23	-2,462.64	-1,827.84	3,245.19	3,110.45	134.74	24.085		
3,600.00	3,528.69	3,507.69	3,507.69	18.02	120.75	111.59	-2,462.64	-1,827.84	3,253.44	3,114.80	138.65	23.466		
3,700.00	3,626.21	3,605.21	3,605.21	18.54	124.16	111.94	-2,462.64	-1,827.84	3,261.83	3,119.28	142.56	22.881		
3,800.00	3,723.73	3,702.73	3,702.73	19.06	127.56	112.30	-2,462.64	-1,827.84	3,270.35	3,123.88	146.47	22.328		
3,900.00	3,821.25	3,800.25	3,800.25	19.57	130.96	112.65	-2,462.64	-1,827.84	3,279.00	3,128.62	150.38	21.805		
4,000.00	3,918.77	3,897.77	3,897.77	20.09	134.36	113.00	-2,462.64	-1,827.84	3,287.77	3,133.32	154.44	21.288		
4,100.00	4,016.28	4,004.72	3,995.28	20.61	138.10	113.34	-2,462.64	-1,827.84	3,296.66	3,138.14	158.53	20.796		
4,200.00	4,113.80	4,107.20	4,092.80	21.13	141.68	113.69	-2,462.64	-1,827.84	3,305.68	3,143.07	162.61	20.329		
4,300.00	4,211.32	4,209.68	4,190.32	21.65	145.25	114.03	-2,462.64	-1,827.84	3,314.83	3,148.13	166.69	19.886		
4,400.00	4,308.84	4,287.84	4,287.84	22.17	147.98	114.37	-2,462.64	-1,827.84	3,324.09	3,154.16	169.93	19.562		
4,500.00	4,406.36	4,385.36	4,385.36	22.69	151.38	114.71	-2,462.64	-1,827.84	3,333.48	3,159.64	173.84	19.176		
4,600.00	4,503.88	4,482.88	4,482.88	23.21	154.79	115.05	-2,462.64	-1,827.84	3,342.99	3,165.24	177.75	18.808		
4,700.00	4,601.40	4,580.40	4,580.40	23.73	158.19	115.38	-2,462.64	-1,827.84	3,352.61	3,170.96	181.66	18.456		
4,800.00	4,698.92	4,677.92	4,677.92	24.26	161.59	115.72	-2,462.64	-1,827.84	3,362.36	3,176.79	185.57	18.120		
4,900.00	4,796.43	4,775.43	4,775.43	24.78	165.00	116.05	-2,462.64	-1,827.84	3,372.22	3,182.75	189.47	17.798		
5,000.00	4,893.95	4,872.95	4,872.95	25.30	168.40	116.38	-2,462.64	-1,827.84	3,382.20	3,188.82	193.38	17.490		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,970.47	4,970.47	25.82	171.81	116.71	-2,462.64	-1,827.84	3,392.29	3,195.00	197.29	17.194		
5,200.00	5,088.99	5,067.99	5,067.99	26.34	175.21	117.04	-2,462.64	-1,827.84	3,402.50	3,201.30	201.20	16.911		
5,300.00	5,186.51	5,165.51	5,165.51	26.87	178.61	117.36	-2,462.64	-1,827.84	3,412.82	3,207.71	205.11	16.639		
5,400.00	5,284.03	5,263.03	5,263.03	27.39	182.02	117.68	-2,462.64	-1,827.84	3,423.25	3,214.24	209.02	16.378		
5,500.00	5,381.55	5,360.55	5,360.55	27.91	185.42	118.00	-2,462.64	-1,827.84	3,433.80	3,220.87	212.92	16.127		
5,600.00	5,479.07	5,458.07	5,458.07	28.43	188.82	118.32	-2,462.64	-1,827.84	3,444.45	3,227.62	216.83	15.886		
5,700.00	5,576.58	5,555.58	5,555.58	28.96	192.23	118.64	-2,462.64	-1,827.84	3,455.21	3,234.48	220.74	15.653		
5,800.00	5,674.10	5,653.10	5,653.10	29.48	195.63	118.95	-2,462.64	-1,827.84	3,466.08	3,241.44	224.64	15.429		
5,900.00	5,771.62	5,750.62	5,750.62	30.00	199.04	119.27	-2,462.64	-1,827.84	3,477.06	3,248.51	228.55	15.214		
6,000.00	5,869.14	5,848.14	5,848.14	30.53	202.44	119.58	-2,462.64	-1,827.84	3,488.14	3,255.69	232.45	15.006		
6,100.00	5,966.66	5,945.66	5,945.66	31.05	205.84	119.89	-2,462.64	-1,827.84	3,499.33	3,262.97	236.36	14.805		
6,200.00	6,064.18	6,043.18	6,043.18	31.58	209.25	120.20	-2,462.64	-1,827.84	3,510.63	3,270.36	240.26	14.612		
6,300.00	6,161.70	6,140.70	6,140.70	32.10	212.65	120.50	-2,462.64	-1,827.84	3,522.02	3,277.85	244.17	14.425		
6,400.00	6,259.22	6,238.22	6,238.22	32.62	216.06	120.81	-2,462.64	-1,827.84	3,533.52	3,285.45	248.07	14.244		
6,500.00	6,356.74	6,335.74	6,335.74	33.15	219.46	121.11	-2,462.64	-1,827.84	3,545.12	3,293.14	251.98	14.069		
6,600.00	6,454.25	6,433.25	6,433.25	33.67	222.86	121.41	-2,462.64	-1,827.84	3,556.81	3,300.94	255.88	13.900		
6,623.48	6,477.15	6,456.15	6,456.15	33.80	223.66	121.48	-2,462.64	-1,827.84	3,559.58	3,302.78	256.80	13.862		
6,650.00	6,503.12	6,482.12	6,482.12	33.93	224.57	116.09	-2,462.64	-1,827.84	3,562.24	3,304.40	257.83	13.816		
6,700.00	6,552.50	6,531.50	6,531.50	34.16	226.29	97.43	-2,462.64	-1,827.84	3,564.72	3,304.94	259.78	13.722		
6,750.00	6,602.21	6,581.21	6,581.21	34.36	228.03	59.44	-2,462.64	-1,827.84	3,563.88	3,302.16	261.72	13.617		
6,800.00	6,651.92	6,630.92	6,630.92	34.54	229.76	20.36	-2,462.64	-1,827.84	3,559.71	3,296.08	263.63	13.503		
6,850.00	6,701.33	6,680.33	6,680.33	34.70	231.49	0.37	-2,462.64	-1,827.84	3,552.23	3,286.72	265.51	13.379		
6,900.00	6,750.14	6,729.14	6,729.14	34.86	233.19	-9.66	-2,462.64	-1,827.84	3,541.49	3,274.13	267.36	13.246		
6,950.00	6,798.04	6,777.04	6,777.04	35.02	234.86	-15.70	-2,462.64	-1,827.84	3,527.55	3,258.38	269.17	13.105		
7,000.00	6,844.75	6,823.75	6,823.75	35.19	236.49	-19.99	-2,462.64	-1,827.84	3,510.50	3,239.57	270.93	12.957		
7,050.00	6,889.97	6,868.97	6,868.97	35.37	238.07	-23.47	-2,462.64	-1,827.84	3,490.46	3,217.82	272.64	12.802		
7,100.00	6,933.42	6,912.42	6,912.42	35.57	239.59	-26.60	-2,462.64	-1,827.84	3,467.57	3,193.27	274.29	12.642		
7,150.00	6,974.83	6,953.83	6,953.83	35.79	241.04	-29.64	-2,462.64	-1,827.84	3,441.97	3,166.10	275.87	12.477		
7,200.00	7,013.96	7,007.04	6,992.96	36.02	242.89	-32.78	-2,462.64	-1,827.84	3,413.86	3,135.99	277.87	12.286		
7,250.00	7,050.56	7,029.56	7,029.56	36.28	243.68	-36.12	-2,462.64	-1,827.84	3,383.43	3,104.63	278.80	12.136		
7,300.00	7,084.39	7,063.39	7,063.39	36.57	244.86	-39.77	-2,462.64	-1,827.84	3,350.88	3,070.74	280.14	11.962		
7,350.00	7,115.27	7,105.73	7,094.27	36.89	246.34	-43.82	-2,462.64	-1,827.84	3,316.45	3,034.67	281.78	11.770		
7,400.00	7,142.99	7,121.99	7,121.99	37.25	246.91	-48.33	-2,462.64	-1,827.84	3,280.38	2,997.86	282.53	11.611		
7,450.00	7,167.38	7,146.38	7,146.38	37.65	247.76	-53.33	-2,462.64	-1,827.84	3,242.93	2,959.36	283.57	11.436		
7,500.00	7,188.30	7,167.30	7,167.30	38.08	248.49	-58.83	-2,462.64	-1,827.84	3,204.36	2,919.84	284.52	11.262		
7,550.00	7,205.61	7,184.61	7,184.61	38.55	249.09	-64.75	-2,462.64	-1,827.84	3,164.94	2,879.58	285.36	11.091		
7,600.00	7,219.20	7,201.80	7,198.20	39.06	249.69	-71.01	-2,462.64	-1,827.84	3,124.95	2,838.72	286.22	10.918		
7,650.00	7,229.00	7,208.00	7,208.00	39.61	249.91	-77.41	-2,462.64	-1,827.84	3,084.66	2,797.94	286.72	10.758		
7,700.00	7,234.95	7,213.95	7,213.95	40.18	250.12	-83.76	-2,462.64	-1,827.84	3,044.36	2,757.11	287.24	10.599		
7,750.07	7,237.00	7,216.00	7,216.00	40.78	250.19	-89.86	-2,462.64	-1,827.84	3,004.26	2,716.61	287.65	10.444		
7,800.00	7,237.09	7,216.09	7,216.09	41.41	250.19	-89.86	-2,462.64	-1,827.84	2,964.65	2,676.63	288.02	10.293		
7,900.00	7,237.28	7,216.28	7,216.28	42.79	250.20	-89.87	-2,462.64	-1,827.84	2,886.28	2,597.42	288.85	9.992		
8,000.00	7,237.47	7,216.47	7,216.47	44.31	250.20	-89.87	-2,462.64	-1,827.84	2,809.28	2,519.44	289.84	9.693		
8,100.00	7,237.65	7,216.65	7,216.65	45.97	250.21	-89.88	-2,462.64	-1,827.84	2,733.77	2,442.80	290.97	9.395		
8,200.00	7,237.84	7,216.84	7,216.84	47.75	250.22	-89.89	-2,462.64	-1,827.84	2,659.88	2,367.61	292.27	9.101		
8,300.00	7,238.02	7,217.02	7,217.02	49.63	250.22	-89.89	-2,462.64	-1,827.84	2,587.74	2,294.00	293.74	8.810		
8,400.00	7,238.21	7,217.21	7,217.21	51.61	250.23	-89.90	-2,462.64	-1,827.84	2,517.51	2,222.12	295.39	8.523		
8,500.00	7,238.40	7,217.40	7,217.40	53.66	250.24	-89.90	-2,462.64	-1,827.84	2,449.35	2,152.13	297.22	8.241		
8,600.00	7,238.58	7,217.58	7,217.58	55.79	250.24	-89.91	-2,462.64	-1,827.84	2,383.44	2,084.20	299.24	7.965		
8,700.00	7,238.77	7,217.77	7,217.77	57.99	250.25	-89.92	-2,462.64	-1,827.84	2,319.96	2,018.53	301.43	7.696		
8,800.00	7,238.96	7,217.96	7,217.96	60.24	250.26	-89.92	-2,462.64	-1,827.84	2,259.13	1,955.32	303.81	7.436		
8,900.00	7,239.14	7,218.14	7,218.14	62.54	250.26	-89.93	-2,462.64	-1,827.84	2,201.17	1,894.80	306.37	7.185		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,218.33	7,218.33	64.88	250.27	-89.93	-2,462.64	-1,827.84	2,146.30	1,837.21	309.09	6.944		
9,100.00	7,239.52	7,218.52	7,218.52	67.27	250.27	-89.94	-2,462.64	-1,827.84	2,094.77	1,782.81	311.96	6.715		
9,200.00	7,239.70	7,218.70	7,218.70	69.69	250.28	-89.94	-2,462.64	-1,827.84	2,046.83	1,731.86	314.96	6.499		
9,300.00	7,239.89	7,218.89	7,218.89	72.15	250.29	-89.95	-2,462.64	-1,827.84	2,002.74	1,684.65	318.08	6.296		
9,400.00	7,240.07	7,219.07	7,219.07	74.63	250.29	-89.96	-2,462.64	-1,827.84	1,962.76	1,641.47	321.29	6.109		
9,500.00	7,240.26	7,219.26	7,219.26	77.14	250.30	-89.96	-2,462.64	-1,827.84	1,927.14	1,602.60	324.54	5.938		
9,600.00	7,240.45	7,219.45	7,219.45	79.68	250.31	-89.97	-2,462.64	-1,827.84	1,896.13	1,568.32	327.81	5.784		
9,700.00	7,240.63	7,219.63	7,219.63	82.23	250.31	-89.97	-2,462.64	-1,827.84	1,869.97	1,538.91	331.06	5.648		
9,800.00	7,240.82	7,219.82	7,219.82	84.81	250.32	-89.98	-2,462.64	-1,827.84	1,848.85	1,514.61	334.24	5.531		
9,900.00	7,241.01	7,220.01	7,220.01	87.40	250.33	-89.99	-2,462.64	-1,827.84	1,832.94	1,495.63	337.31	5.434		
10,000.00	7,241.19	7,220.19	7,220.19	90.01	250.33	-89.99	-2,462.64	-1,827.84	1,822.40	1,482.16	340.24	5.356		
10,100.00	7,241.38	7,220.38	7,220.38	92.64	250.34	-90.00	-2,462.64	-1,827.84	1,817.30	1,474.33	342.98	5.299		
10,142.73	7,241.46	7,220.46	7,220.46	93.77	250.34	-90.00	-2,462.64	-1,827.84	1,816.80	1,472.72	344.08	5.280 CC		
10,200.00	7,241.56	7,220.56	7,220.56	95.28	250.35	-90.00	-2,462.64	-1,827.84	1,817.70	1,472.21	345.50	5.261 ES		
10,300.00	7,241.75	7,220.75	7,220.75	97.93	250.35	-90.01	-2,462.64	-1,827.84	1,823.60	1,475.83	347.77	5.244 SF		
10,400.00	7,241.94	7,220.94	7,220.94	100.59	250.36	-90.02	-2,462.64	-1,827.84	1,834.93	1,485.15	349.78	5.246		
10,500.00	7,242.12	7,221.12	7,221.12	103.26	250.37	-90.02	-2,462.64	-1,827.84	1,851.60	1,500.09	351.51	5.268		
10,600.00	7,242.31	7,221.31	7,221.31	105.95	250.37	-90.03	-2,462.64	-1,827.84	1,873.46	1,520.50	352.96	5.308		
10,700.00	7,242.50	7,221.50	7,221.50	108.64	250.38	-90.03	-2,462.64	-1,827.84	1,900.35	1,546.20	354.14	5.366		
10,800.00	7,242.68	7,221.68	7,221.68	111.34	250.39	-90.04	-2,462.64	-1,827.84	1,932.04	1,576.97	355.06	5.441		
10,900.00	7,242.87	7,221.87	7,221.87	114.05	250.39	-90.04	-2,462.64	-1,827.84	1,968.30	1,612.57	355.74	5.533		
11,000.00	7,243.05	7,222.05	7,222.05	116.76	250.40	-90.05	-2,462.64	-1,827.84	2,008.90	1,652.71	356.19	5.640		
11,100.00	7,243.24	7,222.24	7,222.24	119.49	250.40	-90.06	-2,462.64	-1,827.84	2,053.56	1,697.13	356.43	5.761		
11,200.00	7,243.43	7,222.43	7,222.43	122.22	250.41	-90.06	-2,462.64	-1,827.84	2,102.04	1,745.55	356.50	5.896		
11,300.00	7,243.61	7,222.61	7,222.61	124.95	250.42	-90.07	-2,462.64	-1,827.84	2,154.07	1,797.67	356.40	6.044		
11,400.00	7,243.80	7,222.80	7,222.80	127.69	250.42	-90.07	-2,462.64	-1,827.84	2,209.41	1,853.23	356.18	6.203		
11,500.00	7,243.99	7,222.99	7,222.99	130.44	250.43	-90.08	-2,462.64	-1,827.84	2,267.81	1,911.97	355.84	6.373		
11,600.00	7,244.17	7,223.17	7,223.17	133.19	250.44	-90.09	-2,462.64	-1,827.84	2,329.03	1,973.63	355.40	6.553		
11,700.00	7,244.36	7,223.36	7,223.36	135.94	250.44	-90.09	-2,462.64	-1,827.84	2,392.87	2,037.98	354.89	6.743		
11,800.00	7,244.55	7,223.55	7,223.55	138.70	250.45	-90.10	-2,462.64	-1,827.84	2,459.13	2,104.81	354.32	6.940		
11,900.00	7,244.73	7,223.73	7,223.73	141.47	250.46	-90.10	-2,462.64	-1,827.84	2,527.60	2,173.90	353.70	7.146		
12,000.00	7,244.92	7,223.92	7,223.92	144.24	250.46	-90.11	-2,462.64	-1,827.84	2,598.12	2,245.08	353.04	7.359		
12,100.00	7,245.10	7,224.10	7,224.10	147.01	250.47	-90.11	-2,462.64	-1,827.84	2,670.52	2,318.16	352.36	7.579		
12,200.00	7,245.29	7,224.29	7,224.29	149.78	250.48	-90.12	-2,462.64	-1,827.84	2,744.65	2,393.00	351.66	7.805		
12,300.00	7,245.48	7,224.48	7,224.48	152.56	250.48	-90.13	-2,462.64	-1,827.84	2,820.38	2,469.44	350.94	8.037		
12,400.00	7,245.66	7,224.66	7,224.66	155.34	250.49	-90.13	-2,462.64	-1,827.84	2,897.59	2,547.36	350.23	8.273		
12,500.00	7,245.85	7,224.85	7,224.85	158.12	250.50	-90.14	-2,462.64	-1,827.84	2,976.15	2,626.63	349.52	8.515		
12,600.00	7,246.04	7,225.04	7,225.04	160.91	250.50	-90.14	-2,462.64	-1,827.84	3,055.96	2,707.16	348.81	8.761		
12,700.00	7,246.22	7,225.22	7,225.22	163.70	250.51	-90.15	-2,462.64	-1,827.84	3,136.94	2,788.83	348.10	9.012		
12,800.00	7,246.41	7,225.41	7,225.41	166.49	250.52	-90.16	-2,462.64	-1,827.84	3,218.98	2,871.57	347.41	9.266		
12,900.00	7,246.59	7,225.59	7,225.59	169.28	250.52	-90.16	-2,462.64	-1,827.84	3,302.01	2,955.28	346.73	9.523		
13,000.00	7,246.78	7,225.78	7,225.78	172.08	250.53	-90.17	-2,462.64	-1,827.84	3,385.96	3,039.89	346.07	9.784		
13,100.00	7,246.97	7,225.97	7,225.97	174.88	250.53	-90.17	-2,462.64	-1,827.84	3,470.76	3,125.35	345.42	10.048		
13,200.00	7,247.15	7,226.15	7,226.15	177.68	250.54	-90.18	-2,462.64	-1,827.84	3,556.35	3,211.57	344.78	10.315		
13,300.00	7,247.34	7,226.34	7,226.34	180.48	250.55	-90.19	-2,462.64	-1,827.84	3,642.68	3,298.51	344.16	10.584		
13,400.00	7,247.53	7,226.53	7,226.53	183.28	250.55	-90.19	-2,462.64	-1,827.84	3,729.68	3,386.12	343.56	10.856		
13,500.00	7,247.71	7,226.71	7,226.71	186.09	250.56	-90.20	-2,462.64	-1,827.84	3,817.33	3,474.35	342.98	11.130		
13,600.00	7,247.90	7,226.90	7,226.90	188.90	250.57	-90.20	-2,462.64	-1,827.84	3,905.56	3,563.15	342.41	11.406		
13,700.00	7,248.08	7,227.08	7,227.08	191.70	250.57	-90.21	-2,462.64	-1,827.84	3,994.36	3,652.50	341.86	11.684		
13,800.00	7,248.27	7,227.27	7,227.27	194.52	250.58	-90.21	-2,462.64	-1,827.84	4,083.67	3,742.34	341.33	11.964		
13,900.00	7,248.46	7,227.46	7,227.46	197.33	250.59	-90.22	-2,462.64	-1,827.84	4,173.46	3,832.65	340.81	12.246		
14,000.00	7,248.64	7,227.64	7,227.64	200.14	250.59	-90.23	-2,462.64	-1,827.84	4,263.71	3,923.40	340.31	12.529		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,227.83	7,227.83	202.95	250.60	-90.23	-2,462.64	-1,827.84	4,354.39	4,014.56	339.83	12.814		
14,200.00	7,249.02	7,228.02	7,228.02	205.77	250.61	-90.24	-2,462.64	-1,827.84	4,445.46	4,106.10	339.36	13.100		
14,300.00	7,249.20	7,228.20	7,228.20	208.59	250.61	-90.24	-2,462.64	-1,827.84	4,536.91	4,198.01	338.91	13.387		
14,400.00	7,249.39	7,228.39	7,228.39	211.41	250.62	-90.25	-2,462.64	-1,827.84	4,628.72	4,290.25	338.47	13.675		
14,500.00	7,249.58	7,228.58	7,228.58	214.23	250.63	-90.26	-2,462.64	-1,827.84	4,720.86	4,382.81	338.05	13.965		
14,600.00	7,249.76	7,228.76	7,228.76	217.05	250.63	-90.26	-2,462.64	-1,827.84	4,813.31	4,475.67	337.64	14.256		
14,700.00	7,249.95	7,228.95	7,228.95	219.87	250.64	-90.27	-2,462.64	-1,827.84	4,906.06	4,568.82	337.24	14.548		
14,800.00	7,250.13	7,229.13	7,229.13	222.69	250.65	-90.27	-2,462.64	-1,827.84	4,999.08	4,662.23	336.86	14.840		
14,900.00	7,250.32	7,229.32	7,229.32	225.51	250.65	-90.28	-2,462.64	-1,827.84	5,092.38	4,755.89	336.49	15.134		
15,000.00	7,250.51	7,229.51	7,229.51	228.34	250.66	-90.29	-2,462.64	-1,827.84	5,185.92	4,849.79	336.13	15.428		
15,100.00	7,250.69	7,229.69	7,229.69	231.16	250.67	-90.29	-2,462.64	-1,827.84	5,279.70	4,943.91	335.79	15.723		
15,200.00	7,250.88	7,229.88	7,229.88	233.99	250.67	-90.30	-2,462.64	-1,827.84	5,373.70	5,038.24	335.46	16.019		
15,300.00	7,251.07	7,230.07	7,230.07	236.82	250.68	-90.30	-2,462.64	-1,827.84	5,467.92	5,132.78	335.13	16.316		
15,400.00	7,251.25	7,230.25	7,230.25	239.65	250.68	-90.31	-2,462.64	-1,827.84	5,562.33	5,227.51	334.82	16.613		
15,500.00	7,251.44	7,230.44	7,230.44	242.47	250.69	-90.31	-2,462.64	-1,827.84	5,656.94	5,322.42	334.52	16.911		
15,600.00	7,251.62	7,230.62	7,230.62	245.30	250.70	-90.32	-2,462.64	-1,827.84	5,751.73	5,417.50	334.23	17.209		
15,700.00	7,251.81	7,230.81	7,230.81	248.13	250.70	-90.33	-2,462.64	-1,827.84	5,846.70	5,512.75	333.95	17.508		
15,800.00	7,252.00	7,231.00	7,231.00	250.97	250.71	-90.33	-2,462.64	-1,827.84	5,941.83	5,608.15	333.68	17.807		
15,900.00	7,252.18	7,231.18	7,231.18	253.80	250.72	-90.34	-2,462.64	-1,827.84	6,037.12	5,703.70	333.42	18.107		
16,000.00	7,252.37	7,231.37	7,231.37	256.63	250.72	-90.34	-2,462.64	-1,827.84	6,132.56	5,799.39	333.16	18.407		
16,100.00	7,252.56	7,231.56	7,231.56	259.46	250.73	-90.35	-2,462.64	-1,827.84	6,228.14	5,895.22	332.92	18.708		
16,200.00	7,252.74	7,231.74	7,231.74	262.30	250.74	-90.36	-2,462.64	-1,827.84	6,323.86	5,991.17	332.68	19.009		
16,300.00	7,252.93	7,231.93	7,231.93	265.13	250.74	-90.36	-2,462.64	-1,827.84	6,419.70	6,087.25	332.45	19.310		
16,400.00	7,253.11	7,232.11	7,232.11	267.96	250.75	-90.37	-2,462.64	-1,827.84	6,515.68	6,183.45	332.23	19.612		
16,500.00	7,253.30	7,232.30	7,232.30	270.80	250.76	-90.37	-2,462.64	-1,827.84	6,611.77	6,279.75	332.02	19.914		
16,600.00	7,253.49	7,232.49	7,232.49	273.64	250.76	-90.38	-2,462.64	-1,827.84	6,707.98	6,376.16	331.81	20.216		
16,700.00	7,253.67	7,232.67	7,232.67	276.47	250.77	-90.39	-2,462.64	-1,827.84	6,804.29	6,472.68	331.61	20.519		
16,800.00	7,253.86	7,232.86	7,232.86	279.31	250.78	-90.39	-2,462.64	-1,827.84	6,900.71	6,569.29	331.42	20.822		
16,900.00	7,254.05	7,233.05	7,233.05	282.15	250.78	-90.40	-2,462.64	-1,827.84	6,997.24	6,666.00	331.24	21.125		
17,000.00	7,254.23	7,233.23	7,233.23	284.98	250.79	-90.40	-2,462.64	-1,827.84	7,093.85	6,762.80	331.06	21.428		
17,100.00	7,254.42	7,233.42	7,233.42	287.82	250.80	-90.41	-2,462.64	-1,827.84	7,190.56	6,859.68	330.88	21.731		
17,200.00	7,254.61	7,233.61	7,233.61	290.66	250.80	-90.41	-2,462.64	-1,827.84	7,287.36	6,956.65	330.72	22.035		
17,300.00	7,254.79	7,233.79	7,233.79	293.50	250.81	-90.42	-2,462.64	-1,827.84	7,384.25	7,053.69	330.56	22.339		
17,400.00	7,254.98	7,233.98	7,233.98	296.34	250.81	-90.43	-2,462.64	-1,827.84	7,481.21	7,150.81	330.40	22.643		
17,500.00	7,255.16	7,234.16	7,234.16	299.18	250.82	-90.43	-2,462.64	-1,827.84	7,578.26	7,248.01	330.25	22.947		
17,600.00	7,255.35	7,234.35	7,234.35	302.02	250.83	-90.44	-2,462.64	-1,827.84	7,675.38	7,345.27	330.11	23.251		
17,700.00	7,255.54	7,234.54	7,234.54	304.86	250.83	-90.44	-2,462.64	-1,827.84	7,772.57	7,442.61	329.97	23.556		
17,800.00	7,255.72	7,234.72	7,234.72	307.70	250.84	-90.45	-2,462.64	-1,827.84	7,869.84	7,540.01	329.83	23.860		
17,900.00	7,255.91	7,234.91	7,234.91	310.54	250.85	-90.46	-2,462.64	-1,827.84	7,967.17	7,637.47	329.70	24.165		
18,000.00	7,256.10	7,235.10	7,235.10	313.39	250.85	-90.46	-2,462.64	-1,827.84	8,064.57	7,734.99	329.58	24.469		
18,100.00	7,256.28	7,235.28	7,235.28	316.23	250.86	-90.47	-2,462.64	-1,827.84	8,162.03	7,832.57	329.46	24.774		
18,200.00	7,256.47	7,235.47	7,235.47	319.07	250.87	-90.47	-2,462.64	-1,827.84	8,259.55	7,930.21	329.34	25.079		
18,300.00	7,256.65	7,235.65	7,235.65	321.91	250.87	-90.48	-2,462.64	-1,827.84	8,357.13	8,027.90	329.23	25.384		
18,400.00	7,256.84	7,235.84	7,235.84	324.76	250.88	-90.49	-2,462.64	-1,827.84	8,454.76	8,125.64	329.12	25.689		
18,500.00	7,257.03	7,236.03	7,236.03	327.60	250.89	-90.49	-2,462.64	-1,827.84	8,552.45	8,223.44	329.02	25.994		
18,600.00	7,257.21	7,236.21	7,236.21	330.44	250.89	-90.50	-2,462.64	-1,827.84	8,650.20	8,321.28	328.92	26.299		
18,700.00	7,257.40	7,236.40	7,236.40	333.29	250.90	-90.50	-2,462.64	-1,827.84	8,747.99	8,419.17	328.82	26.604		
18,800.00	7,257.59	7,236.59	7,236.59	336.13	250.91	-90.51	-2,462.64	-1,827.84	8,845.84	8,517.10	328.73	26.909		
18,900.00	7,257.77	7,236.77	7,236.77	338.98	250.91	-90.51	-2,462.64	-1,827.84	8,943.73	8,615.08	328.65	27.214		
19,000.00	7,257.96	7,236.96	7,236.96	341.82	250.92	-90.52	-2,462.64	-1,827.84	9,041.67	8,713.10	328.56	27.519		
19,022.43	7,258.00	7,237.00	7,237.00	342.46	250.92	-90.52	-2,462.64	-1,827.84	9,063.64	8,735.09	328.54	27.587		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	17.00	17.00	3.28	3.29	-86.97	366.00	-6,912.30	6,921.98					
100.00	100.00	117.00	117.00	3.28	4.03	-86.97	366.00	-6,912.30	6,921.98	6,914.67	7.31	946.500		
200.00	200.00	217.00	217.00	3.34	6.69	-86.97	366.00	-6,912.30	6,921.98	6,911.95	10.03	690.379		
300.00	300.00	317.00	317.00	3.44	9.88	-86.97	366.00	-6,912.30	6,921.98	6,908.65	13.33	519.428		
400.00	399.98	416.98	416.98	3.60	13.22	157.02	366.00	-6,912.30	6,923.59	6,906.76	16.82	411.566		
500.00	499.84	516.84	516.84	3.79	16.62	157.00	366.00	-6,912.30	6,928.41	6,907.99	20.42	339.336		
600.00	599.45	616.45	616.45	4.03	20.05	156.97	366.00	-6,912.30	6,936.43	6,912.36	24.08	288.114		
700.00	698.70	715.70	715.70	4.30	23.47	156.92	366.00	-6,912.30	6,947.66	6,919.88	27.77	250.158		
800.00	797.47	814.47	814.47	4.61	26.89	156.86	366.00	-6,912.30	6,962.07	6,930.58	31.50	221.050		
900.00	895.62	912.62	912.62	4.96	30.29	156.78	366.00	-6,912.30	6,979.66	6,944.43	35.23	198.113		
939.50	934.20	951.20	951.20	5.10	31.63	156.74	366.00	-6,912.30	6,987.48	6,950.77	36.71	190.340		
1,000.00	993.20	1,010.20	1,010.20	5.33	33.68	156.78	366.00	-6,912.30	6,999.83	6,960.86	38.97	179.607		
1,100.00	1,090.72	1,107.72	1,107.72	5.73	37.07	156.85	366.00	-6,912.30	7,020.26	6,977.53	42.73	164.302		
1,200.00	1,188.24	1,205.24	1,205.24	6.15	40.46	156.93	366.00	-6,912.30	7,040.70	6,994.20	46.50	151.408		
1,300.00	1,285.76	1,302.76	1,302.76	6.59	43.86	157.00	366.00	-6,912.30	7,061.15	7,010.86	50.29	140.408		
1,400.00	1,383.28	1,400.28	1,400.28	7.04	47.25	157.07	366.00	-6,912.30	7,081.61	7,027.52	54.09	130.920		
1,500.00	1,480.80	1,502.21	1,497.80	7.50	50.80	157.13	366.00	-6,912.30	7,102.08	7,044.02	58.06	122.331		
1,600.00	1,578.31	1,604.69	1,595.31	7.96	54.37	157.20	366.00	-6,912.30	7,122.56	7,060.51	62.05	114.789		
1,700.00	1,675.83	1,707.17	1,692.83	8.44	57.94	157.27	366.00	-6,912.30	7,143.05	7,077.00	66.05	108.147		
1,800.00	1,773.35	1,809.65	1,790.35	8.92	61.52	157.34	366.00	-6,912.30	7,163.55	7,093.49	70.06	102.255		
1,900.00	1,870.87	1,887.87	1,887.87	9.40	64.24	157.41	366.00	-6,912.30	7,184.05	7,110.83	73.22	98.114		
2,000.00	1,968.39	1,985.39	1,985.39	9.89	67.64	157.48	366.00	-6,912.30	7,204.57	7,127.51	77.06	93.488		
2,100.00	2,065.91	2,082.91	2,082.91	10.39	71.04	157.54	366.00	-6,912.30	7,225.10	7,144.19	80.91	89.297		
2,200.00	2,163.43	2,180.43	2,180.43	10.88	74.45	157.61	366.00	-6,912.30	7,245.64	7,160.88	84.76	85.483		
2,300.00	2,260.95	2,277.95	2,277.95	11.38	77.85	157.68	366.00	-6,912.30	7,266.18	7,177.57	88.61	81.998		
2,400.00	2,358.46	2,375.46	2,375.46	11.89	81.25	157.74	366.00	-6,912.30	7,286.74	7,194.27	92.47	78.802		
2,500.00	2,455.98	2,472.98	2,472.98	12.39	84.65	157.81	366.00	-6,912.30	7,307.30	7,210.98	96.33	75.860		
2,600.00	2,553.50	2,570.50	2,570.50	12.89	88.05	157.87	366.00	-6,912.30	7,327.88	7,227.69	100.19	73.143		
2,700.00	2,651.02	2,668.02	2,668.02	13.40	91.45	157.94	366.00	-6,912.30	7,348.46	7,244.41	104.05	70.626		
2,800.00	2,748.54	2,765.54	2,765.54	13.91	94.86	158.00	366.00	-6,912.30	7,369.05	7,261.14	107.91	68.289		
2,900.00	2,846.06	2,863.06	2,863.06	14.42	98.26	158.07	366.00	-6,912.30	7,389.66	7,277.88	111.77	66.112		
3,000.00	2,943.58	2,960.58	2,960.58	14.93	101.66	158.13	366.00	-6,912.30	7,410.27	7,294.63	115.64	64.081		
3,100.00	3,041.10	3,058.10	3,058.10	15.45	105.06	158.19	366.00	-6,912.30	7,430.89	7,311.38	119.51	62.180		
3,200.00	3,138.61	3,155.61	3,155.61	15.96	108.47	158.26	366.00	-6,912.30	7,451.51	7,328.14	123.37	60.398		
3,300.00	3,236.13	3,253.13	3,253.13	16.47	111.87	158.32	366.00	-6,912.30	7,472.15	7,344.91	127.24	58.724		
3,400.00	3,333.65	3,350.65	3,350.65	16.99	115.27	158.38	366.00	-6,912.30	7,492.79	7,361.68	131.11	57.149		
3,500.00	3,431.17	3,448.17	3,448.17	17.50	118.68	158.44	366.00	-6,912.30	7,513.45	7,378.47	134.98	55.663		
3,600.00	3,528.69	3,545.69	3,545.69	18.02	122.08	158.50	366.00	-6,912.30	7,534.11	7,395.26	138.85	54.260		
3,700.00	3,626.21	3,643.21	3,643.21	18.54	125.48	158.57	366.00	-6,912.30	7,554.78	7,412.06	142.72	52.934		
3,800.00	3,723.73	3,740.73	3,740.73	19.06	128.89	158.63	366.00	-6,912.30	7,575.46	7,428.87	146.59	51.677		
3,900.00	3,821.25	3,838.25	3,838.25	19.57	132.29	158.69	366.00	-6,912.30	7,596.15	7,445.68	150.47	50.484		
4,000.00	3,918.77	3,935.77	3,935.77	20.09	135.69	158.75	366.00	-6,912.30	7,616.84	7,462.50	154.34	49.352		
4,100.00	4,016.28	4,033.28	4,033.28	20.61	139.10	158.81	366.00	-6,912.30	7,637.54	7,479.33	158.21	48.274		
4,200.00	4,113.80	4,130.80	4,130.80	21.13	142.50	158.87	366.00	-6,912.30	7,658.25	7,496.17	162.08	47.249		
4,300.00	4,211.32	4,228.32	4,228.32	21.65	145.90	158.93	366.00	-6,912.30	7,678.97	7,513.02	165.96	46.271		
4,400.00	4,308.84	4,325.84	4,325.84	22.17	149.31	158.99	366.00	-6,912.30	7,699.70	7,529.87	169.83	45.337		
4,500.00	4,406.36	4,423.36	4,423.36	22.69	152.71	159.04	366.00	-6,912.30	7,720.44	7,546.73	173.71	44.445		
4,600.00	4,503.88	4,520.88	4,520.88	23.21	156.11	159.10	366.00	-6,912.30	7,741.18	7,563.60	177.58	43.592		
4,700.00	4,601.40	4,618.40	4,618.40	23.73	159.52	159.16	366.00	-6,912.30	7,761.93	7,580.47	181.46	42.776		
4,800.00	4,698.92	4,715.92	4,715.92	24.26	162.92	159.22	366.00	-6,912.30	7,782.69	7,597.35	185.33	41.993		
4,900.00	4,796.43	4,813.43	4,813.43	24.78	166.32	159.28	366.00	-6,912.30	7,803.45	7,614.25	189.21	41.243		
5,000.00	4,893.95	4,910.95	4,910.95	25.30	169.73	159.33	366.00	-6,912.30	7,824.22	7,631.14	193.08	40.523		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,008.47	5,008.47	25.82	173.13	159.39	366.00	-6,912.30	7,845.00	7,648.05	196.96	39.831		
5,200.00	5,088.99	5,105.99	5,105.99	26.34	176.54	159.45	366.00	-6,912.30	7,865.79	7,664.96	200.83	39.166		
5,300.00	5,186.51	5,203.51	5,203.51	26.87	179.94	159.50	366.00	-6,912.30	7,886.59	7,681.88	204.71	38.526		
5,400.00	5,284.03	5,301.03	5,301.03	27.39	183.34	159.56	366.00	-6,912.30	7,907.39	7,698.80	208.59	37.910		
5,500.00	5,381.55	5,401.45	5,398.55	27.91	186.85	159.61	366.00	-6,912.30	7,928.20	7,715.64	212.56	37.298		
5,600.00	5,479.07	5,503.93	5,496.07	28.43	190.43	159.67	366.00	-6,912.30	7,949.02	7,732.40	216.61	36.697		
5,700.00	5,576.58	5,606.42	5,593.58	28.96	194.00	159.72	366.00	-6,912.30	7,969.84	7,749.18	220.66	36.118		
5,800.00	5,674.10	5,708.90	5,691.10	29.48	197.58	159.78	366.00	-6,912.30	7,990.67	7,765.96	224.71	35.560		
5,900.00	5,771.62	5,788.62	5,788.62	30.00	200.36	159.83	366.00	-6,912.30	8,011.51	7,783.54	227.97	35.143		
6,000.00	5,869.14	5,886.14	5,886.14	30.53	203.77	159.89	366.00	-6,912.30	8,032.35	7,800.51	231.85	34.645		
6,100.00	5,966.66	5,983.66	5,983.66	31.05	207.17	159.94	366.00	-6,912.30	8,053.21	7,817.48	235.72	34.164		
6,200.00	6,064.18	6,081.18	6,081.18	31.58	210.57	160.00	366.00	-6,912.30	8,074.07	7,834.47	239.60	33.698		
6,300.00	6,161.70	6,178.70	6,178.70	32.10	213.98	160.05	366.00	-6,912.30	8,094.93	7,851.45	243.48	33.247		
6,400.00	6,259.22	6,276.22	6,276.22	32.62	217.38	160.10	366.00	-6,912.30	8,115.80	7,868.45	247.35	32.811		
6,500.00	6,356.74	6,373.74	6,373.74	33.15	220.79	160.16	366.00	-6,912.30	8,136.68	7,885.45	251.23	32.387		
6,600.00	6,454.25	6,471.25	6,471.25	33.67	224.19	160.21	366.00	-6,912.30	8,157.57	7,902.46	255.11	31.977		
6,623.48	6,477.15	6,505.85	6,494.15	33.80	225.40	160.22	366.00	-6,912.30	8,162.47	7,906.05	256.43	31.832		
6,650.00	6,503.12	6,520.12	6,520.12	33.93	225.90	154.59	366.00	-6,912.30	8,167.48	7,910.43	257.05	31.774		
6,700.00	6,552.50	6,569.50	6,569.50	34.16	227.62	135.66	366.00	-6,912.30	8,173.96	7,914.96	259.00	31.560		
6,750.00	6,602.21	6,619.21	6,619.21	34.36	229.35	97.63	366.00	-6,912.30	8,176.56	7,915.62	260.94	31.335		
6,800.00	6,651.92	6,668.92	6,668.92	34.54	231.09	58.75	366.00	-6,912.30	8,175.27	7,912.41	262.86	31.101		
6,850.00	6,701.33	6,718.33	6,718.33	34.70	232.81	39.20	366.00	-6,912.30	8,170.09	7,905.34	264.75	30.860		
6,900.00	6,750.14	6,767.14	6,767.14	34.86	234.52	29.85	366.00	-6,912.30	8,161.05	7,894.46	266.59	30.613		
6,950.00	6,798.04	6,815.04	6,815.04	35.02	236.19	24.76	366.00	-6,912.30	8,148.22	7,879.84	268.38	30.361		
7,000.00	6,844.75	6,861.75	6,861.75	35.19	237.82	21.72	366.00	-6,912.30	8,131.66	7,861.55	270.11	30.105		
7,050.00	6,889.97	6,906.97	6,906.97	35.37	239.40	19.81	366.00	-6,912.30	8,111.49	7,839.72	271.77	29.847		
7,100.00	6,933.42	6,950.42	6,950.42	35.57	240.92	18.64	366.00	-6,912.30	8,087.83	7,814.48	273.35	29.588		
7,150.00	6,974.83	7,008.17	6,991.83	35.79	242.93	17.91	366.00	-6,912.30	8,060.83	7,785.41	275.41	29.268		
7,200.00	7,013.96	7,030.96	7,030.96	36.02	243.73	17.59	366.00	-6,912.30	8,030.65	7,754.41	276.24	29.071		
7,250.00	7,050.56	7,067.56	7,067.56	36.28	245.01	17.61	366.00	-6,912.30	7,997.47	7,719.94	277.54	28.816		
7,300.00	7,084.39	7,101.39	7,101.39	36.57	246.19	17.95	366.00	-6,912.30	7,961.52	7,682.79	278.73	28.564		
7,350.00	7,115.27	7,132.27	7,132.27	36.89	247.26	18.64	366.00	-6,912.30	7,922.99	7,643.19	279.80	28.316		
7,400.00	7,142.99	7,159.99	7,159.99	37.25	248.23	19.75	366.00	-6,912.30	7,882.15	7,601.39	280.76	28.074		
7,450.00	7,167.38	7,184.38	7,184.38	37.65	249.08	21.42	366.00	-6,912.30	7,839.22	7,557.63	281.60	27.838		
7,500.00	7,188.30	7,205.30	7,205.30	38.08	249.81	23.86	366.00	-6,912.30	7,794.49	7,512.18	282.31	27.610		
7,550.00	7,205.61	7,222.61	7,222.61	38.55	250.42	27.53	366.00	-6,912.30	7,748.22	7,465.33	282.90	27.389		
7,600.00	7,219.20	7,236.20	7,236.20	39.06	250.89	33.28	366.00	-6,912.30	7,700.71	7,417.35	283.35	27.177		
7,650.00	7,229.00	7,246.00	7,246.00	39.61	251.23	42.91	366.00	-6,912.30	7,652.23	7,368.55	283.68	26.974		
7,700.00	7,234.95	7,251.95	7,251.95	40.18	251.44	60.15	366.00	-6,912.30	7,603.10	7,319.21	283.89	26.782		
7,750.07	7,237.00	7,254.00	7,254.00	40.78	251.51	89.19	366.00	-6,912.30	7,553.54	7,269.58	283.96	26.601		
7,800.00	7,237.09	7,254.09	7,254.09	41.41	251.52	89.20	366.00	-6,912.30	7,504.05	7,220.07	283.97	26.425		
7,900.00	7,237.28	7,254.28	7,254.28	42.79	251.52	89.21	366.00	-6,912.30	7,404.94	7,120.94	284.00	26.074		
8,000.00	7,237.47	7,254.47	7,254.47	44.31	251.53	89.22	366.00	-6,912.30	7,305.85	7,021.82	284.03	25.722		
8,100.00	7,237.65	7,254.65	7,254.65	45.97	251.54	89.23	366.00	-6,912.30	7,206.79	6,922.71	284.07	25.369		
8,200.00	7,237.84	7,254.84	7,254.84	47.75	251.54	89.24	366.00	-6,912.30	7,107.75	6,823.63	284.12	25.016		
8,300.00	7,238.02	7,255.02	7,255.02	49.63	251.55	89.25	366.00	-6,912.30	7,008.75	6,724.56	284.18	24.663		
8,400.00	7,238.21	7,255.21	7,255.21	51.61	251.56	89.26	366.00	-6,912.30	6,909.77	6,625.52	284.25	24.309		
8,500.00	7,238.40	7,255.40	7,255.40	53.66	251.56	89.27	366.00	-6,912.30	6,810.82	6,526.49	284.33	23.954		
8,600.00	7,238.58	7,255.58	7,255.58	55.79	251.57	89.29	366.00	-6,912.30	6,711.90	6,427.49	284.41	23.599		
8,700.00	7,238.77	7,255.77	7,255.77	57.99	251.58	89.30	366.00	-6,912.30	6,613.02	6,328.50	284.51	23.243		
8,800.00	7,238.96	7,255.96	7,255.96	60.24	251.58	89.31	366.00	-6,912.30	6,514.16	6,229.54	284.63	22.887		
8,900.00	7,239.14	7,256.14	7,256.14	62.54	251.59	89.32	366.00	-6,912.30	6,415.35	6,130.60	284.75	22.530		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,256.33	7,256.33	64.88	251.59	89.33	366.00	-6,912.30	6,316.57	6,031.68	284.89	22.172		
9,100.00	7,239.52	7,256.52	7,256.52	67.27	251.60	89.34	366.00	-6,912.30	6,217.83	5,932.79	285.04	21.814		
9,200.00	7,239.70	7,256.70	7,256.70	69.69	251.61	89.35	366.00	-6,912.30	6,119.13	5,833.92	285.21	21.455		
9,300.00	7,239.89	7,256.89	7,256.89	72.15	251.61	89.36	366.00	-6,912.30	6,020.48	5,735.08	285.40	21.095		
9,400.00	7,240.07	7,257.07	7,257.07	74.63	251.62	89.37	366.00	-6,912.30	5,921.87	5,636.27	285.60	20.735		
9,500.00	7,240.26	7,257.26	7,257.26	77.14	251.63	89.38	366.00	-6,912.30	5,823.30	5,537.48	285.82	20.374		
9,600.00	7,240.45	7,257.45	7,257.45	79.68	251.63	89.39	366.00	-6,912.30	5,724.79	5,438.73	286.07	20.012		
9,700.00	7,240.63	7,257.63	7,257.63	82.23	251.64	89.40	366.00	-6,912.30	5,626.33	5,340.00	286.33	19.650		
9,800.00	7,240.82	7,257.82	7,257.82	84.81	251.65	89.41	366.00	-6,912.30	5,527.93	5,241.31	286.62	19.287		
9,900.00	7,241.01	7,258.01	7,258.01	87.40	251.65	89.43	366.00	-6,912.30	5,429.58	5,142.65	286.93	18.923		
10,000.00	7,241.19	7,258.19	7,258.19	90.01	251.66	89.44	366.00	-6,912.30	5,331.29	5,044.02	287.27	18.558		
10,100.00	7,241.38	7,258.38	7,258.38	92.64	251.67	89.45	366.00	-6,912.30	5,233.07	4,945.44	287.64	18.193		
10,200.00	7,241.56	7,258.56	7,258.56	95.28	251.67	89.46	366.00	-6,912.30	5,134.92	4,846.89	288.03	17.827		
10,300.00	7,241.75	7,258.75	7,258.75	97.93	251.68	89.47	366.00	-6,912.30	5,036.84	4,748.38	288.46	17.461		
10,400.00	7,241.94	7,258.94	7,258.94	100.59	251.69	89.48	366.00	-6,912.30	4,938.84	4,649.91	288.93	17.094		
10,500.00	7,242.12	7,259.12	7,259.12	103.26	251.69	89.49	366.00	-6,912.30	4,840.92	4,551.49	289.43	16.726		
10,600.00	7,242.31	7,259.31	7,259.31	105.95	251.70	89.50	366.00	-6,912.30	4,743.09	4,453.11	289.97	16.357		
10,700.00	7,242.50	7,259.50	7,259.50	108.64	251.71	89.51	366.00	-6,912.30	4,645.34	4,354.79	290.55	15.988		
10,800.00	7,242.68	7,259.68	7,259.68	111.34	251.71	89.52	366.00	-6,912.30	4,547.70	4,256.52	291.18	15.618		
10,900.00	7,242.87	7,259.87	7,259.87	114.05	251.72	89.53	366.00	-6,912.30	4,450.16	4,158.30	291.86	15.248		
11,000.00	7,243.05	7,260.05	7,260.05	116.76	251.72	89.54	366.00	-6,912.30	4,352.74	4,060.15	292.59	14.877		
11,100.00	7,243.24	7,260.24	7,260.24	119.49	251.73	89.55	366.00	-6,912.30	4,255.43	3,962.06	293.37	14.505		
11,200.00	7,243.43	7,260.43	7,260.43	122.22	251.74	89.57	366.00	-6,912.30	4,158.25	3,864.03	294.21	14.133		
11,300.00	7,243.61	7,260.61	7,260.61	124.95	251.74	89.58	366.00	-6,912.30	4,061.21	3,766.08	295.12	13.761		
11,400.00	7,243.80	7,260.80	7,260.80	127.69	251.75	89.59	366.00	-6,912.30	3,964.31	3,668.21	296.10	13.389		
11,500.00	7,243.99	7,260.99	7,260.99	130.44	251.76	89.60	366.00	-6,912.30	3,867.57	3,570.43	297.15	13.016		
11,600.00	7,244.17	7,261.17	7,261.17	133.19	251.76	89.61	366.00	-6,912.30	3,771.00	3,472.73	298.27	12.643		
11,700.00	7,244.36	7,261.36	7,261.36	135.94	251.77	89.62	366.00	-6,912.30	3,674.62	3,375.13	299.49	12.270		
11,800.00	7,244.55	7,261.55	7,261.55	138.70	251.78	89.63	366.00	-6,912.30	3,578.43	3,277.64	300.79	11.897		
11,900.00	7,244.73	7,261.73	7,261.73	141.47	251.78	89.64	366.00	-6,912.30	3,482.46	3,180.27	302.19	11.524		
12,000.00	7,244.92	7,261.92	7,261.92	144.24	251.79	89.65	366.00	-6,912.30	3,386.73	3,083.02	303.70	11.151		
12,100.00	7,245.10	7,262.10	7,262.10	147.01	251.80	89.66	366.00	-6,912.30	3,291.24	2,985.91	305.33	10.779		
12,200.00	7,245.29	7,262.29	7,262.29	149.78	251.80	89.67	366.00	-6,912.30	3,196.03	2,888.96	307.08	10.408		
12,300.00	7,245.48	7,262.48	7,262.48	152.56	251.81	89.68	366.00	-6,912.30	3,101.13	2,792.17	308.96	10.037		
12,400.00	7,245.66	7,262.66	7,262.66	155.34	251.82	89.69	366.00	-6,912.30	3,006.55	2,695.56	310.99	9.668		
12,500.00	7,245.85	7,262.85	7,262.85	158.12	251.82	89.71	366.00	-6,912.30	2,912.34	2,599.16	313.18	9.299		
12,600.00	7,246.04	7,263.04	7,263.04	160.91	251.83	89.72	366.00	-6,912.30	2,818.52	2,502.99	315.54	8.933		
12,700.00	7,246.22	7,263.22	7,263.22	163.70	251.84	89.73	366.00	-6,912.30	2,725.15	2,407.07	318.08	8.567		
12,800.00	7,246.41	7,263.41	7,263.41	166.49	251.84	89.74	366.00	-6,912.30	2,632.26	2,311.43	320.83	8.204		
12,900.00	7,246.59	7,263.59	7,263.59	169.28	251.85	89.75	366.00	-6,912.30	2,539.91	2,216.10	323.81	7.844		
13,000.00	7,246.78	7,263.78	7,263.78	172.08	251.85	89.76	366.00	-6,912.30	2,448.17	2,121.14	327.03	7.486		
13,100.00	7,246.97	7,263.97	7,263.97	174.88	251.86	89.77	366.00	-6,912.30	2,357.09	2,026.58	330.51	7.132		
13,200.00	7,247.15	7,264.15	7,264.15	177.68	251.87	89.78	366.00	-6,912.30	2,266.77	1,932.48	334.29	6.781		
13,300.00	7,247.34	7,264.34	7,264.34	180.48	251.87	89.79	366.00	-6,912.30	2,177.29	1,838.90	338.39	6.434		
13,400.00	7,247.53	7,264.53	7,264.53	183.28	251.88	89.80	366.00	-6,912.30	2,088.77	1,745.93	342.84	6.093		
13,500.00	7,247.71	7,264.71	7,264.71	186.09	251.89	89.81	366.00	-6,912.30	2,001.33	1,653.66	347.67	5.756		
13,600.00	7,247.90	7,264.90	7,264.90	188.90	251.89	89.82	366.00	-6,912.30	1,915.12	1,562.19	352.93	5.426		
13,700.00	7,248.08	7,265.08	7,265.08	191.70	251.90	89.83	366.00	-6,912.30	1,830.31	1,471.67	358.64	5.104		
13,800.00	7,248.27	7,265.27	7,265.27	194.52	251.91	89.85	366.00	-6,912.30	1,747.11	1,382.27	364.84	4.789		
13,900.00	7,248.46	7,265.46	7,265.46	197.33	251.91	89.86	366.00	-6,912.30	1,665.76	1,294.17	371.59	4.483		
14,000.00	7,248.64	7,265.64	7,265.64	200.14	251.92	89.87	366.00	-6,912.30	1,586.54	1,207.65	378.90	4.187		
14,100.00	7,248.83	7,265.83	7,265.83	202.95	251.93	89.88	366.00	-6,912.30	1,509.79	1,122.99	386.80	3.903		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	7,266.02	7,266.02	205.77	251.93	89.89	366.00	-6,912.30	1,435.91	1,040.59	395.32	3.632		
14,300.00	7,249.20	7,266.20	7,266.20	208.59	251.94	89.90	366.00	-6,912.30	1,365.35	960.91	404.44	3.376		
14,400.00	7,249.39	7,266.39	7,266.39	211.41	251.95	89.91	366.00	-6,912.30	1,298.67	884.55	414.12	3.136		
14,500.00	7,249.58	7,266.58	7,266.58	214.23	251.95	89.92	366.00	-6,912.30	1,236.49	812.22	424.27	2.914		
14,600.00	7,249.76	7,266.76	7,266.76	217.05	251.96	89.93	366.00	-6,912.30	1,179.52	744.77	434.75	2.713		
14,700.00	7,249.95	7,266.95	7,266.95	219.87	251.97	89.94	366.00	-6,912.30	1,128.55	683.25	445.31	2.534		
14,800.00	7,250.13	7,267.13	7,267.13	222.69	251.97	89.95	366.00	-6,912.30	1,084.43	628.80	455.63	2.380		
14,900.00	7,250.32	7,267.32	7,267.32	225.51	251.98	89.96	366.00	-6,912.30	1,048.02	582.72	465.30	2.252		
15,000.00	7,250.51	7,267.51	7,267.51	228.34	251.98	89.97	366.00	-6,912.30	1,020.15	546.30	473.85	2.153		
15,100.00	7,250.69	7,267.69	7,267.69	231.16	251.99	89.99	366.00	-6,912.30	1,001.53	520.72	480.81	2.083		
15,200.00	7,250.88	7,267.88	7,267.88	233.99	252.00	90.00	366.00	-6,912.30	992.68	506.92	485.76	2.044		
15,238.21	7,250.95	7,267.95	7,267.95	235.07	252.00	90.00	366.00	-6,912.30	991.95	504.88	487.07	2.037	CC, ES	
15,300.00	7,251.07	7,268.07	7,268.07	236.82	252.00	90.01	366.00	-6,912.30	993.87	505.42	488.45	2.035	SF	
15,400.00	7,251.25	7,268.25	7,268.25	239.65	252.01	90.02	366.00	-6,912.30	1,005.06	516.25	488.81	2.056		
15,500.00	7,251.44	7,268.44	7,268.44	242.47	252.02	90.03	366.00	-6,912.30	1,025.91	538.94	486.97	2.107		
15,600.00	7,251.62	7,268.62	7,268.62	245.30	252.02	90.04	366.00	-6,912.30	1,055.87	572.62	483.25	2.185		
15,700.00	7,251.81	7,268.81	7,268.81	248.13	252.03	90.05	366.00	-6,912.30	1,094.17	616.13	478.04	2.289		
15,800.00	7,252.00	7,269.00	7,269.00	250.97	252.04	90.06	366.00	-6,912.30	1,139.99	668.22	471.77	2.416		
15,900.00	7,252.18	7,269.18	7,269.18	253.80	252.04	90.07	366.00	-6,912.30	1,192.45	727.62	464.83	2.565		
16,000.00	7,252.37	7,269.37	7,269.37	256.63	252.05	90.08	366.00	-6,912.30	1,250.72	793.16	457.55	2.733		
16,100.00	7,252.56	7,269.56	7,269.56	259.46	252.06	90.09	366.00	-6,912.30	1,314.02	863.82	450.20	2.919		
16,200.00	7,252.74	7,269.74	7,269.74	262.30	252.06	90.10	366.00	-6,912.30	1,381.67	938.72	442.95	3.119		
16,300.00	7,252.93	7,269.93	7,269.93	265.13	252.07	90.11	366.00	-6,912.30	1,453.05	1,017.12	435.94	3.333		
16,400.00	7,253.11	7,270.11	7,270.11	267.96	252.08	90.13	366.00	-6,912.30	1,527.65	1,098.42	429.23	3.559		
16,500.00	7,253.30	7,270.30	7,270.30	270.80	252.08	90.14	366.00	-6,912.30	1,605.02	1,182.13	422.89	3.795		
16,600.00	7,253.49	7,270.49	7,270.49	273.64	252.09	90.15	366.00	-6,912.30	1,684.77	1,267.85	416.92	4.041		
16,700.00	7,253.67	7,270.67	7,270.67	276.47	252.10	90.16	366.00	-6,912.30	1,766.58	1,355.25	411.32	4.295		
16,800.00	7,253.86	7,270.86	7,270.86	279.31	252.10	90.17	366.00	-6,912.30	1,850.18	1,444.08	406.10	4.556		
16,900.00	7,254.05	7,271.05	7,271.05	282.15	252.11	90.18	366.00	-6,912.30	1,935.33	1,534.11	401.22	4.824		
17,000.00	7,254.23	7,271.23	7,271.23	284.98	252.12	90.19	366.00	-6,912.30	2,021.85	1,625.17	396.68	5.097		
17,100.00	7,254.42	7,271.42	7,271.42	287.82	252.12	90.20	366.00	-6,912.30	2,109.56	1,717.10	392.45	5.375		
17,200.00	7,254.61	7,271.61	7,271.61	290.66	252.13	90.21	366.00	-6,912.30	2,198.31	1,809.80	388.51	5.658		
17,300.00	7,254.79	7,271.79	7,271.79	293.50	252.13	90.22	366.00	-6,912.30	2,288.00	1,903.16	384.84	5.945		
17,400.00	7,254.98	7,271.98	7,271.98	296.34	252.14	90.23	366.00	-6,912.30	2,378.51	1,997.09	381.42	6.236		
17,500.00	7,255.16	7,272.16	7,272.16	299.18	252.15	90.24	366.00	-6,912.30	2,469.75	2,091.52	378.22	6.530		
17,600.00	7,255.35	7,272.35	7,272.35	302.02	252.15	90.25	366.00	-6,912.30	2,561.64	2,186.40	375.24	6.827		
17,700.00	7,255.54	7,272.54	7,272.54	304.86	252.16	90.26	366.00	-6,912.30	2,654.12	2,281.67	372.45	7.126		
17,800.00	7,255.72	7,272.72	7,272.72	307.70	252.17	90.28	366.00	-6,912.30	2,747.13	2,377.29	369.84	7.428		
17,900.00	7,255.91	7,272.91	7,272.91	310.54	252.17	90.29	366.00	-6,912.30	2,840.61	2,473.23	367.39	7.732		
18,000.00	7,256.10	7,273.10	7,273.10	313.39	252.18	90.30	366.00	-6,912.30	2,934.52	2,569.44	365.09	8.038		
18,100.00	7,256.28	7,273.28	7,273.28	316.23	252.19	90.31	366.00	-6,912.30	3,028.83	2,665.90	362.93	8.345		
18,200.00	7,256.47	7,273.47	7,273.47	319.07	252.19	90.32	366.00	-6,912.30	3,123.48	2,762.58	360.90	8.655		
18,300.00	7,256.65	7,273.65	7,273.65	321.91	252.20	90.33	366.00	-6,912.30	3,218.46	2,859.47	358.99	8.965		
18,400.00	7,256.84	7,273.84	7,273.84	324.76	252.21	90.34	366.00	-6,912.30	3,313.74	2,956.55	357.19	9.277		
18,500.00	7,257.03	7,274.03	7,274.03	327.60	252.21	90.35	366.00	-6,912.30	3,409.28	3,053.79	355.49	9.590		
18,600.00	7,257.21	7,274.21	7,274.21	330.44	252.22	90.36	366.00	-6,912.30	3,505.08	3,151.19	353.89	9.904		
18,700.00	7,257.40	7,274.40	7,274.40	333.29	252.23	90.37	366.00	-6,912.30	3,601.10	3,248.73	352.37	10.220		
18,800.00	7,257.59	7,274.59	7,274.59	336.13	252.23	90.38	366.00	-6,912.30	3,697.34	3,346.39	350.94	10.535		
18,900.00	7,257.77	7,274.77	7,274.77	338.98	252.24	90.39	366.00	-6,912.30	3,793.76	3,444.18	349.58	10.852		
19,000.00	7,257.96	7,274.96	7,274.96	341.82	252.25	90.40	366.00	-6,912.30	3,890.37	3,542.08	348.30	11.170		
19,022.43	7,258.00	7,275.00	7,275.00	342.46	252.25	90.41	366.00	-6,912.30	3,912.06	3,564.05	348.02	11.241		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	4.00	3.28	3.28	-100.37	-1,329.74	-7,269.87	7,390.48					
100.00	100.00	104.00	104.00	3.28	3.78	-100.37	-1,329.74	-7,269.87	7,390.48	7,383.41	7.07	1,045.650		
200.00	200.00	204.00	204.00	3.34	6.30	-100.37	-1,329.74	-7,269.87	7,390.48	7,380.85	9.63	767.065		
300.00	300.00	304.00	304.00	3.44	9.45	-100.37	-1,329.74	-7,269.87	7,390.48	7,377.58	12.90	572.939		
400.00	399.98	403.98	403.98	3.60	12.79	143.63	-1,329.74	-7,269.87	7,391.89	7,375.50	16.38	451.184		
500.00	499.84	503.84	503.84	3.79	16.18	143.60	-1,329.74	-7,269.87	7,396.10	7,376.13	19.97	370.317		
600.00	599.45	603.45	603.45	4.03	19.60	143.56	-1,329.74	-7,269.87	7,403.12	7,379.50	23.63	313.332		
700.00	698.70	702.70	702.70	4.30	23.02	143.49	-1,329.74	-7,269.87	7,412.95	7,385.63	27.32	271.301		
800.00	797.47	801.47	801.47	4.61	26.44	143.41	-1,329.74	-7,269.87	7,425.57	7,394.53	31.05	239.173		
900.00	895.62	900.38	899.62	4.96	29.87	143.32	-1,329.74	-7,269.87	7,440.98	7,406.17	34.81	213.751		
939.50	934.20	938.20	938.20	5.10	31.18	143.27	-1,329.74	-7,269.87	7,447.84	7,411.57	36.27	205.365		
1,000.00	993.20	1,002.80	997.20	5.33	33.42	143.33	-1,329.74	-7,269.87	7,458.67	7,419.94	38.73	192.591		
1,100.00	1,090.72	1,105.28	1,094.72	5.73	36.99	143.43	-1,329.74	-7,269.87	7,476.60	7,433.93	42.66	175.240		
1,200.00	1,188.24	1,207.76	1,192.24	6.15	40.55	143.53	-1,329.74	-7,269.87	7,494.55	7,447.92	46.62	160.753		
1,300.00	1,285.76	1,289.76	1,289.76	6.59	43.40	143.63	-1,329.74	-7,269.87	7,512.52	7,462.64	49.88	150.609		
1,400.00	1,383.28	1,387.28	1,387.28	7.04	46.80	143.73	-1,329.74	-7,269.87	7,530.51	7,476.82	53.69	140.250		
1,500.00	1,480.80	1,484.80	1,484.80	7.50	50.20	143.83	-1,329.74	-7,269.87	7,548.52	7,491.01	57.52	131.241		
1,600.00	1,578.31	1,582.31	1,582.31	7.96	53.59	143.93	-1,329.74	-7,269.87	7,566.56	7,505.21	61.35	123.338		
1,700.00	1,675.83	1,679.83	1,679.83	8.44	56.99	144.03	-1,329.74	-7,269.87	7,584.62	7,519.43	65.19	116.351		
1,800.00	1,773.35	1,777.35	1,777.35	8.92	60.39	144.12	-1,329.74	-7,269.87	7,602.70	7,533.67	69.03	110.132		
1,900.00	1,870.87	1,874.87	1,874.87	9.40	63.79	144.22	-1,329.74	-7,269.87	7,620.80	7,547.92	72.88	104.562		
2,000.00	1,968.39	1,972.39	1,972.39	9.89	67.19	144.32	-1,329.74	-7,269.87	7,638.92	7,562.18	76.74	99.546		
2,100.00	2,065.91	2,069.91	2,069.91	10.39	70.59	144.41	-1,329.74	-7,269.87	7,657.07	7,576.47	80.60	95.005		
2,200.00	2,163.43	2,167.43	2,167.43	10.88	73.99	144.51	-1,329.74	-7,269.87	7,675.23	7,590.77	84.46	90.876		
2,300.00	2,260.95	2,264.95	2,264.95	11.38	77.39	144.60	-1,329.74	-7,269.87	7,693.42	7,605.09	88.32	87.105		
2,400.00	2,358.46	2,362.46	2,362.46	11.89	80.79	144.70	-1,329.74	-7,269.87	7,711.62	7,619.43	92.19	83.649		
2,500.00	2,455.98	2,459.98	2,459.98	12.39	84.20	144.79	-1,329.74	-7,269.87	7,729.85	7,633.79	96.06	80.469		
2,600.00	2,553.50	2,557.50	2,557.50	12.89	87.60	144.88	-1,329.74	-7,269.87	7,748.10	7,648.16	99.93	77.534		
2,700.00	2,651.02	2,655.02	2,655.02	13.40	91.00	144.98	-1,329.74	-7,269.87	7,766.36	7,662.56	103.80	74.817		
2,800.00	2,748.54	2,752.54	2,752.54	13.91	94.40	145.07	-1,329.74	-7,269.87	7,784.65	7,676.97	107.68	72.295		
2,900.00	2,846.06	2,850.06	2,850.06	14.42	97.81	145.16	-1,329.74	-7,269.87	7,802.96	7,691.40	111.55	69.948		
3,000.00	2,943.58	2,947.58	2,947.58	14.93	101.21	145.25	-1,329.74	-7,269.87	7,821.29	7,705.85	115.43	67.757		
3,100.00	3,041.10	3,045.10	3,045.10	15.45	104.61	145.35	-1,329.74	-7,269.87	7,839.63	7,720.32	119.31	65.709		
3,200.00	3,138.61	3,142.61	3,142.61	15.96	108.01	145.44	-1,329.74	-7,269.87	7,858.00	7,734.81	123.19	63.789		
3,300.00	3,236.13	3,240.13	3,240.13	16.47	111.42	145.53	-1,329.74	-7,269.87	7,876.38	7,749.32	127.07	61.986		
3,400.00	3,333.65	3,337.65	3,337.65	16.99	114.82	145.62	-1,329.74	-7,269.87	7,894.79	7,763.84	130.95	60.290		
3,500.00	3,431.17	3,435.17	3,435.17	17.50	118.22	145.71	-1,329.74	-7,269.87	7,913.21	7,778.38	134.83	58.691		
3,600.00	3,528.69	3,532.69	3,532.69	18.02	121.63	145.80	-1,329.74	-7,269.87	7,931.66	7,792.95	138.71	57.181		
3,700.00	3,626.21	3,630.21	3,630.21	18.54	125.03	145.89	-1,329.74	-7,269.87	7,950.12	7,807.53	142.59	55.754		
3,800.00	3,723.73	3,727.73	3,727.73	19.06	128.43	145.97	-1,329.74	-7,269.87	7,968.60	7,822.12	146.47	54.403		
3,900.00	3,821.25	3,825.25	3,825.25	19.57	131.83	146.06	-1,329.74	-7,269.87	7,987.10	7,836.74	150.36	53.121		
4,000.00	3,918.77	3,922.77	3,922.77	20.09	135.24	146.15	-1,329.74	-7,269.87	8,005.62	7,851.37	154.24	51.903		
4,100.00	4,016.28	4,020.28	4,020.28	20.61	138.64	146.24	-1,329.74	-7,269.87	8,024.15	7,866.03	158.12	50.746		
4,200.00	4,113.80	4,117.80	4,117.80	21.13	142.05	146.32	-1,329.74	-7,269.87	8,042.71	7,880.70	162.01	49.644		
4,300.00	4,211.32	4,215.32	4,215.32	21.65	145.45	146.41	-1,329.74	-7,269.87	8,061.28	7,895.38	165.89	48.593		
4,400.00	4,308.84	4,312.84	4,312.84	22.17	148.85	146.50	-1,329.74	-7,269.87	8,079.87	7,910.09	169.78	47.591		
4,500.00	4,406.36	4,410.36	4,410.36	22.69	152.26	146.58	-1,329.74	-7,269.87	8,098.48	7,924.81	173.66	46.634		
4,600.00	4,503.88	4,507.88	4,507.88	23.21	155.66	146.67	-1,329.74	-7,269.87	8,117.10	7,939.56	177.55	45.718		
4,700.00	4,601.40	4,605.40	4,605.40	23.73	159.06	146.75	-1,329.74	-7,269.87	8,135.75	7,954.31	181.43	44.842		
4,800.00	4,698.92	4,702.92	4,702.92	24.26	162.47	146.84	-1,329.74	-7,269.87	8,154.41	7,969.09	185.32	44.002		
4,900.00	4,796.43	4,800.43	4,800.43	24.78	165.87	146.92	-1,329.74	-7,269.87	8,173.08	7,983.88	189.20	43.197		
5,000.00	4,893.95	4,902.05	4,897.95	25.30	169.42	147.01	-1,329.74	-7,269.87	8,191.78	7,998.55	193.23	42.394		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,004.53	4,995.47	25.82	172.99	147.09	-1,329.74	-7,269.87	8,210.49	8,013.20	197.29	41.616		
5,200.00	5,088.99	5,107.01	5,092.99	26.34	176.57	147.17	-1,329.74	-7,269.87	8,229.22	8,027.87	201.35	40.870		
5,300.00	5,186.51	5,209.49	5,190.51	26.87	180.15	147.26	-1,329.74	-7,269.87	8,247.97	8,042.56	205.41	40.154		
5,400.00	5,284.03	5,288.03	5,288.03	27.39	182.89	147.34	-1,329.74	-7,269.87	8,266.73	8,058.10	208.63	39.624		
5,500.00	5,381.55	5,385.55	5,385.55	27.91	186.29	147.42	-1,329.74	-7,269.87	8,285.51	8,073.00	212.52	38.987		
5,600.00	5,479.07	5,483.07	5,483.07	28.43	189.70	147.50	-1,329.74	-7,269.87	8,304.31	8,087.91	216.40	38.374		
5,700.00	5,576.58	5,580.58	5,580.58	28.96	193.10	147.58	-1,329.74	-7,269.87	8,323.12	8,102.83	220.29	37.783		
5,800.00	5,674.10	5,678.10	5,678.10	29.48	196.50	147.66	-1,329.74	-7,269.87	8,341.95	8,117.78	224.18	37.212		
5,900.00	5,771.62	5,775.62	5,775.62	30.00	199.91	147.74	-1,329.74	-7,269.87	8,360.80	8,132.73	228.06	36.660		
6,000.00	5,869.14	5,873.14	5,873.14	30.53	203.31	147.83	-1,329.74	-7,269.87	8,379.66	8,147.71	231.95	36.127		
6,100.00	5,966.66	5,970.66	5,970.66	31.05	206.72	147.90	-1,329.74	-7,269.87	8,398.54	8,162.70	235.83	35.612		
6,200.00	6,064.18	6,068.18	6,068.18	31.58	210.12	147.98	-1,329.74	-7,269.87	8,417.43	8,177.71	239.72	35.114		
6,300.00	6,161.70	6,165.70	6,165.70	32.10	213.52	148.06	-1,329.74	-7,269.87	8,436.34	8,192.73	243.61	34.631		
6,400.00	6,259.22	6,263.22	6,263.22	32.62	216.93	148.14	-1,329.74	-7,269.87	8,455.26	8,207.77	247.49	34.164		
6,500.00	6,356.74	6,360.74	6,360.74	33.15	220.33	148.22	-1,329.74	-7,269.87	8,474.20	8,222.82	251.38	33.711		
6,600.00	6,454.25	6,458.25	6,458.25	33.67	223.74	148.30	-1,329.74	-7,269.87	8,493.16	8,237.89	255.27	33.272		
6,623.48	6,477.15	6,481.15	6,481.15	33.80	224.54	148.32	-1,329.74	-7,269.87	8,497.61	8,241.43	256.18	33.171		
6,650.00	6,503.12	6,507.12	6,507.12	33.93	225.44	142.78	-1,329.74	-7,269.87	8,502.10	8,244.89	257.21	33.055		
6,700.00	6,552.50	6,556.50	6,556.50	34.16	227.17	123.97	-1,329.74	-7,269.87	8,507.61	8,248.45	259.16	32.828		
6,750.00	6,602.21	6,606.21	6,606.21	34.36	228.90	85.98	-1,329.74	-7,269.87	8,509.21	8,248.11	261.10	32.589		
6,800.00	6,651.92	6,655.92	6,655.92	34.54	230.64	47.07	-1,329.74	-7,269.87	8,506.92	8,243.90	263.02	32.343		
6,850.00	6,701.33	6,705.33	6,705.33	34.70	232.36	27.40	-1,329.74	-7,269.87	8,500.72	8,235.82	264.90	32.090		
6,900.00	6,750.14	6,754.14	6,754.14	34.86	234.06	17.86	-1,329.74	-7,269.87	8,490.68	8,223.94	266.74	31.831		
6,950.00	6,798.04	6,802.04	6,802.04	35.02	235.74	12.49	-1,329.74	-7,269.87	8,476.84	8,208.31	268.53	31.567		
7,000.00	6,844.75	6,848.75	6,848.75	35.19	237.37	9.07	-1,329.74	-7,269.87	8,459.29	8,189.03	270.26	31.300		
7,050.00	6,889.97	6,906.03	6,893.97	35.37	239.37	6.67	-1,329.74	-7,269.87	8,438.14	8,165.79	272.35	30.983		
7,100.00	6,933.42	6,937.42	6,937.42	35.57	240.46	4.85	-1,329.74	-7,269.87	8,413.52	8,140.00	273.52	30.761		
7,150.00	6,974.83	6,978.83	6,978.83	35.79	241.91	3.37	-1,329.74	-7,269.87	8,385.58	8,110.56	275.02	30.491		
7,200.00	7,013.96	7,017.96	7,017.96	36.02	243.27	2.09	-1,329.74	-7,269.87	8,354.49	8,078.06	276.43	30.223		
7,250.00	7,050.56	7,054.56	7,054.56	36.28	244.55	0.90	-1,329.74	-7,269.87	8,320.45	8,042.71	277.74	29.958		
7,300.00	7,084.39	7,088.39	7,088.39	36.57	245.73	-0.28	-1,329.74	-7,269.87	8,283.65	8,004.72	278.94	29.697		
7,350.00	7,115.27	7,119.27	7,119.27	36.89	246.81	-1.54	-1,329.74	-7,269.87	8,244.34	7,964.31	280.03	29.441		
7,400.00	7,142.99	7,146.99	7,146.99	37.25	247.78	-2.97	-1,329.74	-7,269.87	8,202.76	7,921.75	281.00	29.191		
7,450.00	7,167.38	7,171.38	7,171.38	37.65	248.63	-4.71	-1,329.74	-7,269.87	8,159.15	7,877.29	281.85	28.948		
7,500.00	7,188.30	7,207.70	7,192.30	38.08	249.90	-6.99	-1,329.74	-7,269.87	8,113.79	7,830.67	283.12	28.659		
7,550.00	7,205.61	7,209.61	7,209.61	38.55	249.96	-10.27	-1,329.74	-7,269.87	8,066.95	7,783.77	283.18	28.487		
7,600.00	7,219.20	7,223.20	7,223.20	39.06	250.44	-15.46	-1,329.74	-7,269.87	8,018.94	7,735.29	283.65	28.271		
7,650.00	7,229.00	7,233.00	7,233.00	39.61	250.78	-24.93	-1,329.74	-7,269.87	7,970.04	7,686.05	283.99	28.064		
7,700.00	7,234.95	7,238.95	7,238.95	40.18	250.99	-45.56	-1,329.74	-7,269.87	7,920.55	7,636.35	284.20	27.870		
7,750.00	7,237.00	7,241.00	7,241.00	40.78	251.06	-88.81	-1,329.74	-7,269.87	7,870.73	7,586.45	284.28	27.687		
7,800.00	7,237.09	7,241.09	7,241.09	41.41	251.06	-88.82	-1,329.74	-7,269.87	7,820.99	7,536.70	284.30	27.510		
7,900.00	7,237.28	7,241.28	7,241.28	42.79	251.07	-88.84	-1,329.74	-7,269.87	7,721.41	7,437.08	284.33	27.157		
8,000.00	7,237.47	7,241.47	7,241.47	44.31	251.08	-88.85	-1,329.74	-7,269.87	7,621.83	7,337.46	284.37	26.803		
8,100.00	7,237.65	7,241.65	7,241.65	45.97	251.08	-88.87	-1,329.74	-7,269.87	7,522.27	7,237.86	284.41	26.449		
8,200.00	7,237.84	7,241.84	7,241.84	47.75	251.09	-88.88	-1,329.74	-7,269.87	7,422.71	7,138.25	284.46	26.094		
8,300.00	7,238.02	7,242.02	7,242.02	49.63	251.10	-88.90	-1,329.74	-7,269.87	7,323.17	7,038.66	284.51	25.740		
8,400.00	7,238.21	7,242.21	7,242.21	51.61	251.10	-88.91	-1,329.74	-7,269.87	7,223.64	6,939.07	284.57	25.385		
8,500.00	7,238.40	7,242.40	7,242.40	53.66	251.11	-88.93	-1,329.74	-7,269.87	7,124.13	6,839.50	284.63	25.029		
8,600.00	7,238.58	7,242.58	7,242.58	55.79	251.12	-88.94	-1,329.74	-7,269.87	7,024.62	6,739.92	284.70	24.674		
8,700.00	7,238.77	7,242.77	7,242.77	57.99	251.12	-88.96	-1,329.74	-7,269.87	6,925.14	6,640.36	284.78	24.318		
8,800.00	7,238.96	7,242.96	7,242.96	60.24	251.13	-88.97	-1,329.74	-7,269.87	6,825.66	6,540.81	284.86	23.962		
8,900.00	7,239.14	7,243.14	7,243.14	62.54	251.13	-88.99	-1,329.74	-7,269.87	6,726.21	6,441.26	284.95	23.605		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,243.33	7,243.33	64.88	251.14	-89.00	-1,329.74	-7,269.87	6,626.77	6,341.72	285.04	23.248		
9,100.00	7,239.52	7,243.52	7,243.52	67.27	251.15	-89.02	-1,329.74	-7,269.87	6,527.34	6,242.20	285.15	22.891		
9,200.00	7,239.70	7,243.70	7,243.70	69.69	251.15	-89.03	-1,329.74	-7,269.87	6,427.94	6,142.68	285.26	22.534		
9,300.00	7,239.89	7,243.89	7,243.89	72.15	251.16	-89.05	-1,329.74	-7,269.87	6,328.55	6,043.17	285.38	22.176		
9,400.00	7,240.07	7,244.07	7,244.07	74.63	251.17	-89.06	-1,329.74	-7,269.87	6,229.18	5,943.67	285.51	21.818		
9,500.00	7,240.26	7,244.26	7,244.26	77.14	251.17	-89.08	-1,329.74	-7,269.87	6,129.84	5,844.19	285.65	21.459		
9,600.00	7,240.45	7,244.45	7,244.45	79.68	251.18	-89.09	-1,329.74	-7,269.87	6,030.51	5,744.71	285.80	21.100		
9,700.00	7,240.63	7,244.63	7,244.63	82.23	251.19	-89.11	-1,329.74	-7,269.87	5,931.21	5,645.25	285.96	20.741		
9,800.00	7,240.82	7,244.82	7,244.82	84.81	251.19	-89.12	-1,329.74	-7,269.87	5,831.93	5,545.80	286.14	20.382		
9,900.00	7,241.01	7,245.01	7,245.01	87.40	251.20	-89.14	-1,329.74	-7,269.87	5,732.68	5,446.36	286.32	20.022		
10,000.00	7,241.19	7,245.19	7,245.19	90.01	251.21	-89.15	-1,329.74	-7,269.87	5,633.45	5,346.93	286.52	19.661		
10,100.00	7,241.38	7,245.38	7,245.38	92.64	251.21	-89.17	-1,329.74	-7,269.87	5,534.25	5,247.52	286.74	19.301		
10,200.00	7,241.56	7,245.56	7,245.56	95.28	251.22	-89.18	-1,329.74	-7,269.87	5,435.08	5,148.12	286.97	18.940		
10,300.00	7,241.75	7,245.75	7,245.75	97.93	251.23	-89.20	-1,329.74	-7,269.87	5,335.94	5,048.73	287.21	18.578		
10,400.00	7,241.94	7,245.94	7,245.94	100.59	251.23	-89.21	-1,329.74	-7,269.87	5,236.84	4,949.36	287.48	18.217		
10,500.00	7,242.12	7,246.12	7,246.12	103.26	251.24	-89.23	-1,329.74	-7,269.87	5,137.77	4,850.01	287.76	17.854		
10,600.00	7,242.31	7,246.31	7,246.31	105.95	251.25	-89.24	-1,329.74	-7,269.87	5,038.73	4,750.67	288.06	17.492		
10,700.00	7,242.50	7,246.50	7,246.50	108.64	251.25	-89.26	-1,329.74	-7,269.87	4,939.74	4,651.35	288.39	17.129		
10,800.00	7,242.68	7,246.68	7,246.68	111.34	251.26	-89.28	-1,329.74	-7,269.87	4,840.78	4,552.05	288.74	16.765		
10,900.00	7,242.87	7,246.87	7,246.87	114.05	251.26	-89.29	-1,329.74	-7,269.87	4,741.87	4,452.76	289.11	16.402		
11,000.00	7,243.05	7,247.05	7,247.05	116.76	251.27	-89.31	-1,329.74	-7,269.87	4,643.01	4,353.50	289.51	16.037		
11,100.00	7,243.24	7,247.24	7,247.24	119.49	251.28	-89.32	-1,329.74	-7,269.87	4,544.19	4,254.25	289.94	15.673		
11,200.00	7,243.43	7,247.43	7,247.43	122.22	251.28	-89.34	-1,329.74	-7,269.87	4,445.43	4,155.03	290.40	15.308		
11,300.00	7,243.61	7,247.61	7,247.61	124.95	251.29	-89.35	-1,329.74	-7,269.87	4,346.73	4,055.83	290.89	14.943		
11,400.00	7,243.80	7,247.80	7,247.80	127.69	251.30	-89.37	-1,329.74	-7,269.87	4,248.08	3,956.66	291.42	14.577		
11,500.00	7,243.99	7,247.99	7,247.99	130.44	251.30	-89.38	-1,329.74	-7,269.87	4,149.50	3,857.51	292.00	14.211		
11,600.00	7,244.17	7,248.17	7,248.17	133.19	251.31	-89.40	-1,329.74	-7,269.87	4,050.99	3,758.39	292.61	13.844		
11,700.00	7,244.36	7,248.36	7,248.36	135.94	251.32	-89.41	-1,329.74	-7,269.87	3,952.56	3,659.29	293.27	13.478		
11,800.00	7,244.55	7,248.55	7,248.55	138.70	251.32	-89.43	-1,329.74	-7,269.87	3,854.20	3,560.23	293.98	13.111		
11,900.00	7,244.73	7,248.73	7,248.73	141.47	251.33	-89.44	-1,329.74	-7,269.87	3,755.94	3,461.20	294.74	12.743		
12,000.00	7,244.92	7,248.92	7,248.92	144.24	251.34	-89.46	-1,329.74	-7,269.87	3,657.76	3,362.20	295.56	12.376		
12,100.00	7,245.10	7,249.10	7,249.10	147.01	251.34	-89.47	-1,329.74	-7,269.87	3,559.69	3,263.24	296.45	12.008		
12,200.00	7,245.29	7,249.29	7,249.29	149.78	251.35	-89.49	-1,329.74	-7,269.87	3,461.73	3,164.32	297.41	11.640		
12,300.00	7,245.48	7,249.48	7,249.48	152.56	251.36	-89.50	-1,329.74	-7,269.87	3,363.89	3,065.45	298.44	11.271		
12,400.00	7,245.66	7,249.66	7,249.66	155.34	251.36	-89.52	-1,329.74	-7,269.87	3,266.18	2,966.62	299.56	10.903		
12,500.00	7,245.85	7,249.85	7,249.85	158.12	251.37	-89.53	-1,329.74	-7,269.87	3,168.61	2,867.84	300.77	10.535		
12,600.00	7,246.04	7,250.04	7,250.04	160.91	251.38	-89.55	-1,329.74	-7,269.87	3,071.20	2,769.12	302.08	10.167		
12,700.00	7,246.22	7,250.22	7,250.22	163.70	251.38	-89.56	-1,329.74	-7,269.87	2,973.96	2,670.46	303.50	9.799		
12,800.00	7,246.41	7,250.41	7,250.41	166.49	251.39	-89.58	-1,329.74	-7,269.87	2,876.91	2,571.87	305.04	9.431		
12,900.00	7,246.59	7,250.59	7,250.59	169.28	251.39	-89.59	-1,329.74	-7,269.87	2,780.07	2,473.35	306.72	9.064		
13,000.00	7,246.78	7,250.78	7,250.78	172.08	251.40	-89.61	-1,329.74	-7,269.87	2,683.46	2,374.92	308.54	8.697		
13,100.00	7,246.97	7,250.97	7,250.97	174.88	251.41	-89.62	-1,329.74	-7,269.87	2,587.11	2,276.58	310.53	8.331		
13,200.00	7,247.15	7,251.15	7,251.15	177.68	251.41	-89.64	-1,329.74	-7,269.87	2,491.04	2,178.34	312.70	7.966		
13,300.00	7,247.34	7,251.34	7,251.34	180.48	251.42	-89.65	-1,329.74	-7,269.87	2,395.30	2,080.23	315.07	7.602		
13,400.00	7,247.53	7,251.53	7,251.53	183.28	251.43	-89.67	-1,329.74	-7,269.87	2,299.92	1,982.25	317.67	7.240		
13,500.00	7,247.71	7,251.71	7,251.71	186.09	251.43	-89.68	-1,329.74	-7,269.87	2,204.95	1,884.43	320.52	6.879		
13,600.00	7,247.90	7,251.90	7,251.90	188.90	251.44	-89.70	-1,329.74	-7,269.87	2,110.45	1,786.79	323.66	6.521		
13,700.00	7,248.08	7,252.08	7,252.08	191.70	251.45	-89.71	-1,329.74	-7,269.87	2,016.47	1,689.35	327.12	6.164		
13,800.00	7,248.27	7,252.27	7,252.27	194.52	251.45	-89.73	-1,329.74	-7,269.87	1,923.10	1,592.17	330.93	5.811		
13,900.00	7,248.46	7,252.46	7,252.46	197.33	251.46	-89.74	-1,329.74	-7,269.87	1,830.44	1,495.28	335.16	5.461		
14,000.00	7,248.64	7,252.64	7,252.64	200.14	251.47	-89.76	-1,329.74	-7,269.87	1,738.58	1,398.74	339.84	5.116		
14,100.00	7,248.83	7,252.83	7,252.83	202.95	251.47	-89.77	-1,329.74	-7,269.87	1,647.68	1,302.62	345.05	4.775		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	7,253.02	7,253.02	205.77	251.48	-89.79	-1,329.74	-7,269.87	1,557.89	1,207.02	350.86	4.440		
14,300.00	7,249.20	7,253.20	7,253.20	208.59	251.49	-89.80	-1,329.74	-7,269.87	1,469.41	1,112.07	357.34	4.112		
14,400.00	7,249.39	7,253.39	7,253.39	211.41	251.49	-89.82	-1,329.74	-7,269.87	1,382.51	1,017.92	364.60	3.792		
14,500.00	7,249.58	7,253.58	7,253.58	214.23	251.50	-89.84	-1,329.74	-7,269.87	1,297.50	924.79	372.71	3.481		
14,600.00	7,249.76	7,253.76	7,253.76	217.05	251.51	-89.85	-1,329.74	-7,269.87	1,214.78	832.98	381.80	3.182		
14,700.00	7,249.95	7,253.95	7,253.95	219.87	251.51	-89.87	-1,329.74	-7,269.87	1,134.84	742.90	391.94	2.895		
14,800.00	7,250.13	7,254.13	7,254.13	222.69	251.52	-89.88	-1,329.74	-7,269.87	1,058.31	655.10	403.21	2.625		
14,900.00	7,250.32	7,254.32	7,254.32	225.51	251.52	-89.90	-1,329.74	-7,269.87	986.00	570.38	415.62	2.372		
15,000.00	7,250.51	7,254.51	7,254.51	228.34	251.53	-89.91	-1,329.74	-7,269.87	918.90	489.82	429.08	2.142		
15,100.00	7,250.69	7,254.69	7,254.69	231.16	251.54	-89.93	-1,329.74	-7,269.87	858.22	414.91	443.31	1.936		
15,200.00	7,250.88	7,254.88	7,254.88	233.99	251.54	-89.94	-1,329.74	-7,269.87	805.42	347.66	457.77	1.759		
15,300.00	7,251.07	7,255.07	7,255.07	236.82	251.55	-89.96	-1,329.74	-7,269.87	762.15	290.58	471.58	1.616		
15,400.00	7,251.25	7,255.25	7,255.25	239.65	251.56	-89.97	-1,329.74	-7,269.87	730.10	246.56	483.54	1.510		
15,500.00	7,251.44	7,255.44	7,255.44	242.47	251.56	-89.99	-1,329.74	-7,269.87	710.79	218.46	492.33	1.444	Level 3	
15,589.15	7,251.60	7,255.60	7,255.60	245.00	251.57	-90.00	-1,329.74	-7,269.87	705.17	208.61	496.56	1.420	Level 3, CC	
15,600.00	7,251.62	7,255.62	7,255.62	245.30	251.57	-90.00	-1,329.74	-7,269.87	705.26	208.43	496.82	1.420	Level 3, ES, SF	
15,700.00	7,251.81	7,255.81	7,255.81	248.13	251.58	-90.02	-1,329.74	-7,269.87	713.83	217.27	496.56	1.438	Level 3	
15,800.00	7,252.00	7,256.00	7,256.00	250.97	251.58	-90.03	-1,329.74	-7,269.87	736.02	244.14	491.88	1.496	Level 3	
15,900.00	7,252.18	7,256.18	7,256.18	253.80	251.59	-90.05	-1,329.74	-7,269.87	770.65	286.88	483.76	1.593		
16,000.00	7,252.37	7,256.37	7,256.37	256.63	251.60	-90.06	-1,329.74	-7,269.87	816.13	342.69	473.44	1.724		
16,100.00	7,252.56	7,256.56	7,256.56	259.46	251.60	-90.08	-1,329.74	-7,269.87	870.77	408.71	462.06	1.885		
16,200.00	7,252.74	7,256.74	7,256.74	262.30	251.61	-90.09	-1,329.74	-7,269.87	932.95	482.49	450.47	2.071		
16,300.00	7,252.93	7,256.93	7,256.93	265.13	251.62	-90.11	-1,329.74	-7,269.87	1,001.28	562.05	439.24	2.280		
16,400.00	7,253.11	7,257.11	7,257.11	267.96	251.62	-90.12	-1,329.74	-7,269.87	1,074.59	645.91	428.68	2.507		
16,500.00	7,253.30	7,257.30	7,257.30	270.80	251.63	-90.14	-1,329.74	-7,269.87	1,151.92	732.97	418.94	2.750		
16,600.00	7,253.49	7,257.49	7,257.49	273.64	251.64	-90.15	-1,329.74	-7,269.87	1,232.51	822.45	410.06	3.006		
16,700.00	7,253.67	7,257.67	7,257.67	276.47	251.64	-90.17	-1,329.74	-7,269.87	1,315.77	913.75	402.01	3.273		
16,800.00	7,253.86	7,257.86	7,257.86	279.31	251.65	-90.18	-1,329.74	-7,269.87	1,401.22	1,006.48	394.74	3.550		
16,900.00	7,254.05	7,258.05	7,258.05	282.15	251.65	-90.20	-1,329.74	-7,269.87	1,488.48	1,100.30	388.18	3.834		
17,000.00	7,254.23	7,258.23	7,258.23	284.98	251.66	-90.21	-1,329.74	-7,269.87	1,577.26	1,195.00	382.26	4.126		
17,100.00	7,254.42	7,258.42	7,258.42	287.82	251.67	-90.23	-1,329.74	-7,269.87	1,667.31	1,290.40	376.91	4.424		
17,200.00	7,254.61	7,258.61	7,258.61	290.66	251.67	-90.24	-1,329.74	-7,269.87	1,758.43	1,386.37	372.07	4.726		
17,300.00	7,254.79	7,258.79	7,258.79	293.50	251.68	-90.26	-1,329.74	-7,269.87	1,850.48	1,482.80	367.67	5.033		
17,400.00	7,254.98	7,258.98	7,258.98	296.34	251.69	-90.27	-1,329.74	-7,269.87	1,943.30	1,579.63	363.68	5.344		
17,500.00	7,255.16	7,259.16	7,259.16	299.18	251.69	-90.29	-1,329.74	-7,269.87	2,036.81	1,676.78	360.03	5.657		
17,600.00	7,255.35	7,259.35	7,259.35	302.02	251.70	-90.30	-1,329.74	-7,269.87	2,130.91	1,774.20	356.71	5.974		
17,700.00	7,255.54	7,259.54	7,259.54	304.86	251.71	-90.32	-1,329.74	-7,269.87	2,225.52	1,871.85	353.66	6.293		
17,800.00	7,255.72	7,259.72	7,259.72	307.70	251.71	-90.33	-1,329.74	-7,269.87	2,320.58	1,969.71	350.87	6.614		
17,900.00	7,255.91	7,259.91	7,259.91	310.54	251.72	-90.35	-1,329.74	-7,269.87	2,416.04	2,067.74	348.30	6.937		
18,000.00	7,256.10	7,260.10	7,260.10	313.39	251.73	-90.36	-1,329.74	-7,269.87	2,511.86	2,165.93	345.93	7.261		
18,100.00	7,256.28	7,260.28	7,260.28	316.23	251.73	-90.38	-1,329.74	-7,269.87	2,607.99	2,264.24	343.75	7.587		
18,200.00	7,256.47	7,260.47	7,260.47	319.07	251.74	-90.40	-1,329.74	-7,269.87	2,704.40	2,362.68	341.72	7.914		
18,300.00	7,256.65	7,260.65	7,260.65	321.91	251.75	-90.41	-1,329.74	-7,269.87	2,801.06	2,461.21	339.85	8.242		
18,400.00	7,256.84	7,260.84	7,260.84	324.76	251.75	-90.43	-1,329.74	-7,269.87	2,897.95	2,559.84	338.11	8.571		
18,500.00	7,257.03	7,261.03	7,261.03	327.60	251.76	-90.44	-1,329.74	-7,269.87	2,995.04	2,658.55	336.49	8.901		
18,600.00	7,257.21	7,261.21	7,261.21	330.44	251.77	-90.46	-1,329.74	-7,269.87	3,092.32	2,757.34	334.98	9.231		
18,700.00	7,257.40	7,261.40	7,261.40	333.29	251.77	-90.47	-1,329.74	-7,269.87	3,189.77	2,856.19	333.57	9.562		
18,800.00	7,257.59	7,261.59	7,261.59	336.13	251.78	-90.49	-1,329.74	-7,269.87	3,287.37	2,955.10	332.26	9.894		
18,900.00	7,257.77	7,261.77	7,261.77	338.98	251.78	-90.50	-1,329.74	-7,269.87	3,385.11	3,054.07	331.03	10.226		
19,000.00	7,257.96	7,261.96	7,261.96	341.82	251.79	-90.52	-1,329.74	-7,269.87	3,482.97	3,153.09	329.88	10.558		
19,022.43	7,258.00	7,262.00	7,262.00	342.46	251.79	-90.52	-1,329.74	-7,269.87	3,504.94	3,175.31	329.64	10.633		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-87.45	248.72	-5,576.08	5,581.63					
100.00	100.00	110.00	110.00	3.28	3.89	-87.45	248.72	-5,576.08	5,581.63	5,574.45	7.18	777.770		
200.00	200.00	210.00	210.00	3.34	6.48	-87.45	248.72	-5,576.08	5,581.63	5,571.81	9.81	568.713		
300.00	300.00	310.00	310.00	3.44	9.65	-87.45	248.72	-5,576.08	5,581.63	5,568.53	13.10	426.209		
400.00	399.98	409.98	409.98	3.60	12.99	156.55	248.72	-5,576.08	5,583.23	5,566.64	16.59	336.624		
500.00	499.84	509.84	509.84	3.79	16.38	156.53	248.72	-5,576.08	5,588.03	5,567.85	20.18	276.937		
600.00	599.45	609.45	609.45	4.03	19.80	156.50	248.72	-5,576.08	5,596.03	5,572.19	23.83	234.789		
700.00	698.70	708.70	708.70	4.30	23.23	156.46	248.72	-5,576.08	5,607.22	5,579.69	27.53	203.668		
800.00	797.47	807.47	807.47	4.61	26.65	156.41	248.72	-5,576.08	5,621.58	5,590.33	31.25	179.874		
900.00	895.62	905.62	905.62	4.96	30.05	156.35	248.72	-5,576.08	5,639.12	5,604.13	34.99	161.173		
939.50	934.20	944.20	944.20	5.10	31.39	156.32	248.72	-5,576.08	5,646.91	5,610.44	36.47	154.847		
1,000.00	993.20	1,003.20	1,003.20	5.33	33.44	156.37	248.72	-5,576.08	5,659.23	5,620.50	38.73	146.119		
1,100.00	1,090.72	1,100.72	1,100.72	5.73	36.83	156.46	248.72	-5,576.08	5,679.60	5,637.11	42.49	133.684		
1,200.00	1,188.24	1,201.76	1,198.24	6.15	40.34	156.55	248.72	-5,576.08	5,699.98	5,653.60	46.38	122.894		
1,300.00	1,285.76	1,304.24	1,295.76	6.59	43.91	156.64	248.72	-5,576.08	5,720.37	5,670.03	50.34	113.628		
1,400.00	1,383.28	1,406.72	1,393.28	7.04	47.48	156.72	248.72	-5,576.08	5,740.78	5,686.46	54.32	105.690		
1,500.00	1,480.80	1,509.21	1,490.80	7.50	51.05	156.81	248.72	-5,576.08	5,761.20	5,702.90	58.30	98.817		
1,600.00	1,578.31	1,588.31	1,588.31	7.96	53.80	156.90	248.72	-5,576.08	5,781.63	5,720.15	61.48	94.040		
1,700.00	1,675.83	1,685.83	1,685.83	8.44	57.20	156.98	248.72	-5,576.08	5,802.08	5,736.77	65.31	88.842		
1,800.00	1,773.35	1,783.35	1,783.35	8.92	60.60	157.07	248.72	-5,576.08	5,822.54	5,753.40	69.14	84.213		
1,900.00	1,870.87	1,880.87	1,880.87	9.40	64.00	157.15	248.72	-5,576.08	5,843.01	5,770.03	72.98	80.064		
2,000.00	1,968.39	1,978.39	1,978.39	9.89	67.40	157.23	248.72	-5,576.08	5,863.49	5,786.67	76.82	76.325		
2,100.00	2,065.91	2,075.91	2,075.91	10.39	70.80	157.32	248.72	-5,576.08	5,883.99	5,803.32	80.67	72.940		
2,200.00	2,163.43	2,173.43	2,173.43	10.88	74.20	157.40	248.72	-5,576.08	5,904.49	5,819.97	84.52	69.860		
2,300.00	2,260.95	2,270.95	2,270.95	11.38	77.60	157.48	248.72	-5,576.08	5,925.01	5,836.64	88.37	67.046		
2,400.00	2,358.46	2,368.46	2,368.46	11.89	81.00	157.56	248.72	-5,576.08	5,945.54	5,853.31	92.23	64.466		
2,500.00	2,455.98	2,465.98	2,465.98	12.39	84.41	157.64	248.72	-5,576.08	5,966.08	5,870.00	96.08	62.092		
2,600.00	2,553.50	2,563.50	2,563.50	12.89	87.81	157.72	248.72	-5,576.08	5,986.63	5,886.69	99.94	59.900		
2,700.00	2,651.02	2,661.02	2,661.02	13.40	91.21	157.80	248.72	-5,576.08	6,007.20	5,903.39	103.81	57.870		
2,800.00	2,748.54	2,758.54	2,758.54	13.91	94.61	157.88	248.72	-5,576.08	6,027.77	5,920.10	107.67	55.985		
2,900.00	2,846.06	2,856.06	2,856.06	14.42	98.01	157.96	248.72	-5,576.08	6,048.36	5,936.83	111.53	54.230		
3,000.00	2,943.58	2,953.58	2,953.58	14.93	101.42	158.04	248.72	-5,576.08	6,068.95	5,953.56	115.40	52.592		
3,100.00	3,041.10	3,051.10	3,051.10	15.45	104.82	158.12	248.72	-5,576.08	6,089.56	5,970.30	119.26	51.060		
3,200.00	3,138.61	3,148.61	3,148.61	15.96	108.22	158.19	248.72	-5,576.08	6,110.18	5,987.05	123.13	49.624		
3,300.00	3,236.13	3,246.13	3,246.13	16.47	111.63	158.27	248.72	-5,576.08	6,130.81	6,003.81	127.00	48.275		
3,400.00	3,333.65	3,343.65	3,343.65	16.99	115.03	158.35	248.72	-5,576.08	6,151.45	6,020.58	130.87	47.005		
3,500.00	3,431.17	3,441.17	3,441.17	17.50	118.43	158.42	248.72	-5,576.08	6,172.10	6,037.36	134.74	45.809		
3,600.00	3,528.69	3,538.69	3,538.69	18.02	121.83	158.50	248.72	-5,576.08	6,192.76	6,054.15	138.61	44.679		
3,700.00	3,626.21	3,636.21	3,636.21	18.54	125.24	158.57	248.72	-5,576.08	6,213.43	6,070.95	142.48	43.610		
3,800.00	3,723.73	3,733.73	3,733.73	19.06	128.64	158.65	248.72	-5,576.08	6,234.11	6,087.76	146.35	42.598		
3,900.00	3,821.25	3,831.25	3,831.25	19.57	132.04	158.72	248.72	-5,576.08	6,254.80	6,104.58	150.22	41.637		
4,000.00	3,918.77	3,928.77	3,928.77	20.09	135.45	158.79	248.72	-5,576.08	6,275.50	6,121.41	154.09	40.726		
4,100.00	4,016.28	4,026.28	4,026.28	20.61	138.85	158.87	248.72	-5,576.08	6,296.21	6,138.25	157.97	39.858		
4,200.00	4,113.80	4,123.80	4,123.80	21.13	142.25	158.94	248.72	-5,576.08	6,316.93	6,155.09	161.84	39.032		
4,300.00	4,211.32	4,221.32	4,221.32	21.65	145.66	159.01	248.72	-5,576.08	6,337.66	6,171.95	165.71	38.245		
4,400.00	4,308.84	4,318.84	4,318.84	22.17	149.06	159.08	248.72	-5,576.08	6,358.40	6,188.81	169.58	37.494		
4,500.00	4,406.36	4,416.36	4,416.36	22.69	152.47	159.15	248.72	-5,576.08	6,379.15	6,205.69	173.46	36.776		
4,600.00	4,503.88	4,513.88	4,513.88	23.21	155.87	159.22	248.72	-5,576.08	6,399.91	6,222.57	177.33	36.090		
4,700.00	4,601.40	4,611.40	4,611.40	23.73	159.27	159.29	248.72	-5,576.08	6,420.67	6,239.46	181.21	35.433		
4,800.00	4,698.92	4,708.92	4,708.92	24.26	162.68	159.36	248.72	-5,576.08	6,441.45	6,256.37	185.08	34.803		
4,900.00	4,796.43	4,806.43	4,806.43	24.78	166.08	159.43	248.72	-5,576.08	6,462.23	6,273.28	188.96	34.200		
5,000.00	4,893.95	4,903.95	4,903.95	25.30	169.48	159.50	248.72	-5,576.08	6,483.03	6,290.19	192.83	33.620		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,001.47	5,001.47	25.82	172.89	159.57	248.72	-5,576.08	6,503.83	6,307.12	196.71	33.064		
5,200.00	5,088.99	5,101.01	5,098.99	26.34	176.36	159.63	248.72	-5,576.08	6,524.64	6,323.99	200.65	32.517		
5,300.00	5,186.51	5,203.49	5,196.51	26.87	179.94	159.70	248.72	-5,576.08	6,545.46	6,340.76	204.70	31.976		
5,400.00	5,284.03	5,305.97	5,294.03	27.39	183.52	159.77	248.72	-5,576.08	6,566.29	6,357.54	208.75	31.455		
5,500.00	5,381.55	5,408.45	5,391.55	27.91	187.09	159.84	248.72	-5,576.08	6,587.13	6,374.33	212.80	30.955		
5,600.00	5,479.07	5,489.07	5,489.07	28.43	189.91	159.90	248.72	-5,576.08	6,607.97	6,391.89	216.09	30.580		
5,700.00	5,576.58	5,586.58	5,586.58	28.96	193.31	159.97	248.72	-5,576.08	6,628.83	6,408.87	219.96	30.136		
5,800.00	5,674.10	5,684.10	5,684.10	29.48	196.71	160.03	248.72	-5,576.08	6,649.69	6,425.85	223.84	29.708		
5,900.00	5,771.62	5,781.62	5,781.62	30.00	200.12	160.10	248.72	-5,576.08	6,670.56	6,442.85	227.71	29.294		
6,000.00	5,869.14	5,879.14	5,879.14	30.53	203.52	160.16	248.72	-5,576.08	6,691.44	6,459.85	231.59	28.893		
6,100.00	5,966.66	5,976.66	5,976.66	31.05	206.93	160.23	248.72	-5,576.08	6,712.33	6,476.86	235.47	28.507		
6,200.00	6,064.18	6,074.18	6,074.18	31.58	210.33	160.29	248.72	-5,576.08	6,733.22	6,493.88	239.34	28.132		
6,300.00	6,161.70	6,171.70	6,171.70	32.10	213.73	160.35	248.72	-5,576.08	6,754.13	6,510.91	243.22	27.770		
6,400.00	6,259.22	6,269.22	6,269.22	32.62	217.14	160.41	248.72	-5,576.08	6,775.04	6,527.94	247.10	27.419		
6,500.00	6,356.74	6,366.74	6,366.74	33.15	220.54	160.48	248.72	-5,576.08	6,795.95	6,544.98	250.97	27.078		
6,600.00	6,454.25	6,464.25	6,464.25	33.67	223.95	160.54	248.72	-5,576.08	6,816.88	6,562.03	254.85	26.749		
6,623.48	6,477.15	6,487.15	6,487.15	33.80	224.75	160.55	248.72	-5,576.08	6,821.79	6,566.04	255.76	26.673		
6,650.00	6,503.12	6,513.12	6,513.12	33.93	225.65	154.92	248.72	-5,576.08	6,826.81	6,570.02	256.79	26.585		
6,700.00	6,552.50	6,562.50	6,562.50	34.16	227.38	135.99	248.72	-5,576.08	6,833.32	6,574.58	258.74	26.410		
6,750.00	6,602.21	6,612.21	6,612.21	34.36	229.11	97.97	248.72	-5,576.08	6,835.95	6,575.27	260.68	26.223		
6,800.00	6,651.92	6,661.92	6,661.92	34.54	230.85	59.10	248.72	-5,576.08	6,834.68	6,572.08	262.60	26.027		
6,850.00	6,701.33	6,711.33	6,711.33	34.70	232.57	39.55	248.72	-5,576.08	6,829.54	6,565.05	264.48	25.822		
6,900.00	6,750.14	6,760.14	6,760.14	34.86	234.27	30.22	248.72	-5,576.08	6,820.54	6,554.21	266.33	25.610		
6,950.00	6,798.04	6,808.04	6,808.04	35.02	235.95	25.15	248.72	-5,576.08	6,807.74	6,539.63	268.12	25.391		
7,000.00	6,844.75	6,854.75	6,854.75	35.19	237.58	22.13	248.72	-5,576.08	6,791.23	6,521.39	269.85	25.167		
7,050.00	6,889.97	6,900.03	6,899.97	35.37	239.16	20.24	248.72	-5,576.08	6,771.11	6,499.60	271.51	24.939		
7,100.00	6,933.42	6,943.42	6,943.42	35.57	240.67	19.07	248.72	-5,576.08	6,747.50	6,474.41	273.09	24.708		
7,150.00	6,974.83	6,984.83	6,984.83	35.79	242.12	18.41	248.72	-5,576.08	6,720.55	6,445.97	274.58	24.476		
7,200.00	7,013.96	7,023.96	7,023.96	36.02	243.48	18.13	248.72	-5,576.08	6,690.43	6,414.45	275.98	24.243		
7,250.00	7,050.56	7,060.56	7,060.56	36.28	244.76	18.21	248.72	-5,576.08	6,657.31	6,380.04	277.27	24.010		
7,300.00	7,084.39	7,105.61	7,094.39	36.57	246.33	18.61	248.72	-5,576.08	6,621.42	6,342.56	278.85	23.745		
7,350.00	7,115.27	7,125.27	7,125.27	36.89	247.02	19.39	248.72	-5,576.08	6,582.96	6,303.42	279.54	23.549		
7,400.00	7,142.99	7,152.99	7,152.99	37.25	247.99	20.61	248.72	-5,576.08	6,542.18	6,261.68	280.50	23.324		
7,450.00	7,167.38	7,177.38	7,177.38	37.65	248.84	22.40	248.72	-5,576.08	6,499.32	6,217.99	281.33	23.102		
7,500.00	7,188.30	7,201.70	7,198.30	38.08	249.69	25.02	248.72	-5,576.08	6,454.66	6,172.50	282.16	22.876		
7,550.00	7,205.61	7,215.61	7,215.61	38.55	250.17	28.90	248.72	-5,576.08	6,408.47	6,125.83	282.63	22.674		
7,600.00	7,219.20	7,229.20	7,229.20	39.06	250.65	34.92	248.72	-5,576.08	6,361.02	6,077.93	283.09	22.470		
7,650.00	7,229.00	7,239.00	7,239.00	39.61	250.99	44.80	248.72	-5,576.08	6,312.62	6,029.20	283.42	22.273		
7,700.00	7,234.95	7,244.95	7,244.95	40.18	251.20	61.88	248.72	-5,576.08	6,263.56	5,979.94	283.63	22.084		
7,750.07	7,237.00	7,247.00	7,247.00	40.78	251.27	89.25	248.72	-5,576.08	6,214.08	5,930.38	283.70	21.904		
7,800.00	7,237.09	7,247.09	7,247.09	41.41	251.27	89.26	248.72	-5,576.08	6,164.65	5,880.94	283.71	21.728		
7,900.00	7,237.28	7,247.28	7,247.28	42.79	251.28	89.27	248.72	-5,576.08	6,065.69	5,781.95	283.75	21.377		
8,000.00	7,237.47	7,247.47	7,247.47	44.31	251.29	89.28	248.72	-5,576.08	5,966.77	5,682.98	283.78	21.026		
8,100.00	7,237.65	7,247.65	7,247.65	45.97	251.29	89.30	248.72	-5,576.08	5,867.88	5,584.04	283.83	20.674		
8,200.00	7,237.84	7,247.84	7,247.84	47.75	251.30	89.31	248.72	-5,576.08	5,769.03	5,485.14	283.89	20.321		
8,300.00	7,238.02	7,248.02	7,248.02	49.63	251.30	89.32	248.72	-5,576.08	5,670.22	5,386.25	283.96	19.968		
8,400.00	7,238.21	7,248.21	7,248.21	51.61	251.31	89.33	248.72	-5,576.08	5,571.45	5,287.40	284.05	19.614		
8,500.00	7,238.40	7,248.40	7,248.40	53.66	251.32	89.34	248.72	-5,576.08	5,472.73	5,188.59	284.14	19.260		
8,600.00	7,238.58	7,248.58	7,248.58	55.79	251.32	89.36	248.72	-5,576.08	5,374.06	5,089.80	284.25	18.906		
8,700.00	7,238.77	7,248.77	7,248.77	57.99	251.33	89.37	248.72	-5,576.08	5,275.43	4,991.05	284.38	18.551		
8,800.00	7,238.96	7,248.96	7,248.96	60.24	251.34	89.38	248.72	-5,576.08	5,176.86	4,892.34	284.52	18.195		
8,900.00	7,239.14	7,249.14	7,249.14	62.54	251.34	89.39	248.72	-5,576.08	5,078.34	4,793.66	284.68	17.839		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,249.33	7,249.33	64.88	251.35	89.41	248.72	-5,576.08	4,979.89	4,695.02	284.86	17.482		
9,100.00	7,239.52	7,249.52	7,249.52	67.27	251.36	89.42	248.72	-5,576.08	4,881.49	4,596.43	285.06	17.124		
9,200.00	7,239.70	7,249.70	7,249.70	69.69	251.36	89.43	248.72	-5,576.08	4,783.16	4,497.87	285.29	16.766		
9,300.00	7,239.89	7,249.89	7,249.89	72.15	251.37	89.44	248.72	-5,576.08	4,684.91	4,399.37	285.54	16.407		
9,400.00	7,240.07	7,250.07	7,250.07	74.63	251.38	89.45	248.72	-5,576.08	4,586.72	4,300.91	285.82	16.048		
9,500.00	7,240.26	7,250.26	7,250.26	77.14	251.38	89.47	248.72	-5,576.08	4,488.62	4,202.50	286.12	15.688		
9,600.00	7,240.45	7,250.45	7,250.45	79.68	251.39	89.48	248.72	-5,576.08	4,390.61	4,104.15	286.46	15.327		
9,700.00	7,240.63	7,250.63	7,250.63	82.23	251.40	89.49	248.72	-5,576.08	4,292.68	4,005.85	286.83	14.966		
9,800.00	7,240.82	7,250.82	7,250.82	84.81	251.40	89.50	248.72	-5,576.08	4,194.86	3,907.61	287.25	14.604		
9,900.00	7,241.01	7,251.01	7,251.01	87.40	251.41	89.51	248.72	-5,576.08	4,097.13	3,809.43	287.70	14.241		
10,000.00	7,241.19	7,251.19	7,251.19	90.01	251.42	89.53	248.72	-5,576.08	3,999.52	3,711.33	288.20	13.878		
10,100.00	7,241.38	7,251.38	7,251.38	92.64	251.42	89.54	248.72	-5,576.08	3,902.04	3,613.29	288.75	13.514		
10,200.00	7,241.56	7,251.56	7,251.56	95.28	251.43	89.55	248.72	-5,576.08	3,804.68	3,515.33	289.35	13.149		
10,300.00	7,241.75	7,251.75	7,251.75	97.93	251.44	89.56	248.72	-5,576.08	3,707.46	3,417.46	290.01	12.784		
10,400.00	7,241.94	7,251.94	7,251.94	100.59	251.44	89.58	248.72	-5,576.08	3,610.40	3,319.67	290.73	12.418		
10,500.00	7,242.12	7,252.12	7,252.12	103.26	251.45	89.59	248.72	-5,576.08	3,513.50	3,221.98	291.52	12.052		
10,600.00	7,242.31	7,252.31	7,252.31	105.95	251.45	89.60	248.72	-5,576.08	3,416.78	3,124.39	292.39	11.686		
10,700.00	7,242.50	7,252.50	7,252.50	108.64	251.46	89.61	248.72	-5,576.08	3,320.25	3,026.91	293.34	11.319		
10,800.00	7,242.68	7,252.68	7,252.68	111.34	251.47	89.62	248.72	-5,576.08	3,223.93	2,929.55	294.38	10.952		
10,900.00	7,242.87	7,252.87	7,252.87	114.05	251.47	89.64	248.72	-5,576.08	3,127.85	2,832.33	295.52	10.584		
11,000.00	7,243.05	7,253.05	7,253.05	116.76	251.48	89.65	248.72	-5,576.08	3,032.02	2,735.25	296.77	10.217		
11,100.00	7,243.24	7,253.24	7,253.24	119.49	251.49	89.66	248.72	-5,576.08	2,936.47	2,638.34	298.13	9.850		
11,200.00	7,243.43	7,253.43	7,253.43	122.22	251.49	89.67	248.72	-5,576.08	2,841.22	2,541.59	299.62	9.483		
11,300.00	7,243.61	7,253.61	7,253.61	124.95	251.50	89.68	248.72	-5,576.08	2,746.31	2,445.05	301.26	9.116		
11,400.00	7,243.80	7,253.80	7,253.80	127.69	251.51	89.70	248.72	-5,576.08	2,651.77	2,348.72	303.05	8.750		
11,500.00	7,243.99	7,253.99	7,253.99	130.44	251.51	89.71	248.72	-5,576.08	2,557.66	2,252.64	305.01	8.385		
11,600.00	7,244.17	7,254.17	7,254.17	133.19	251.52	89.72	248.72	-5,576.08	2,464.00	2,156.83	307.17	8.022		
11,700.00	7,244.36	7,254.36	7,254.36	135.94	251.53	89.73	248.72	-5,576.08	2,370.86	2,061.33	309.53	7.660		
11,800.00	7,244.55	7,254.55	7,254.55	138.70	251.53	89.75	248.72	-5,576.08	2,278.31	1,966.19	312.12	7.299		
11,900.00	7,244.73	7,254.73	7,254.73	141.47	251.54	89.76	248.72	-5,576.08	2,186.41	1,871.44	314.97	6.942		
12,000.00	7,244.92	7,254.92	7,254.92	144.24	251.55	89.77	248.72	-5,576.08	2,095.25	1,777.15	318.10	6.587		
12,100.00	7,245.10	7,255.10	7,255.10	147.01	251.55	89.78	248.72	-5,576.08	2,004.93	1,683.39	321.54	6.235		
12,200.00	7,245.29	7,255.29	7,255.29	149.78	251.56	89.79	248.72	-5,576.08	1,915.58	1,590.25	325.33	5.888		
12,300.00	7,245.48	7,255.48	7,255.48	152.56	251.57	89.81	248.72	-5,576.08	1,827.33	1,497.82	329.51	5.546		
12,400.00	7,245.66	7,255.66	7,255.66	155.34	251.57	89.82	248.72	-5,576.08	1,740.36	1,406.24	334.12	5.209		
12,500.00	7,245.85	7,255.85	7,255.85	158.12	251.58	89.83	248.72	-5,576.08	1,654.85	1,315.66	339.19	4.879		
12,600.00	7,246.04	7,256.04	7,256.04	160.91	251.58	89.84	248.72	-5,576.08	1,571.06	1,226.27	344.79	4.557		
12,700.00	7,246.22	7,256.22	7,256.22	163.70	251.59	89.85	248.72	-5,576.08	1,489.27	1,138.32	350.95	4.244		
12,800.00	7,246.41	7,256.41	7,256.41	166.49	251.60	89.87	248.72	-5,576.08	1,409.82	1,052.10	357.72	3.941		
12,900.00	7,246.59	7,256.59	7,256.59	169.28	251.60	89.88	248.72	-5,576.08	1,333.15	968.01	365.14	3.651		
13,000.00	7,246.78	7,256.78	7,256.78	172.08	251.61	89.89	248.72	-5,576.08	1,259.76	886.54	373.22	3.375		
13,100.00	7,246.97	7,256.97	7,256.97	174.88	251.62	89.90	248.72	-5,576.08	1,190.24	808.29	381.95	3.116		
13,200.00	7,247.15	7,257.15	7,257.15	177.68	251.62	89.91	248.72	-5,576.08	1,125.33	734.06	391.28	2.876		
13,300.00	7,247.34	7,257.34	7,257.34	180.48	251.63	89.93	248.72	-5,576.08	1,065.86	664.81	401.06	2.658		
13,400.00	7,247.53	7,257.53	7,257.53	183.28	251.64	89.94	248.72	-5,576.08	1,012.80	601.74	411.06	2.464		
13,500.00	7,247.71	7,257.71	7,257.71	186.09	251.64	89.95	248.72	-5,576.08	967.19	546.25	420.94	2.298		
13,600.00	7,247.90	7,257.90	7,257.90	188.90	251.65	89.96	248.72	-5,576.08	930.13	499.90	430.23	2.162		
13,700.00	7,248.08	7,258.08	7,258.08	191.70	251.66	89.98	248.72	-5,576.08	902.68	464.32	438.36	2.059		
13,800.00	7,248.27	7,258.27	7,258.27	194.52	251.66	89.99	248.72	-5,576.08	885.73	440.96	444.77	1.991		
13,900.00	7,248.46	7,258.46	7,258.46	197.33	251.67	90.00	248.72	-5,576.08	879.90	430.91	448.99	1.960		
13,901.54	7,248.46	7,258.46	7,258.46	197.37	251.67	90.00	248.72	-5,576.08	879.89	430.86	449.03	1.960 CC, ES, SF		
14,000.00	7,248.64	7,258.64	7,258.64	200.14	251.68	90.01	248.72	-5,576.08	885.39	434.62	450.76	1.964		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,258.83	7,258.83	202.95	251.68	90.02	248.72	-5,576.08	902.00	451.88	450.11	2.004		
14,200.00	7,249.02	7,259.02	7,259.02	205.77	251.69	90.04	248.72	-5,576.08	929.13	481.82	447.32	2.077		
14,300.00	7,249.20	7,259.20	7,259.20	208.59	251.70	90.05	248.72	-5,576.08	965.91	523.09	442.82	2.181		
14,400.00	7,249.39	7,259.39	7,259.39	211.41	251.70	90.06	248.72	-5,576.08	1,011.27	574.15	437.12	2.313		
14,500.00	7,249.58	7,259.58	7,259.58	214.23	251.71	90.07	248.72	-5,576.08	1,064.13	633.42	430.70	2.471		
14,600.00	7,249.76	7,259.76	7,259.76	217.05	251.71	90.08	248.72	-5,576.08	1,123.41	699.46	423.95	2.650		
14,700.00	7,249.95	7,259.95	7,259.95	219.87	251.72	90.10	248.72	-5,576.08	1,188.17	771.01	417.16	2.848		
14,800.00	7,250.13	7,260.13	7,260.13	222.69	251.73	90.11	248.72	-5,576.08	1,257.55	847.03	410.52	3.063		
14,900.00	7,250.32	7,260.32	7,260.32	225.51	251.73	90.12	248.72	-5,576.08	1,330.84	926.67	404.17	3.293		
15,000.00	7,250.51	7,260.51	7,260.51	228.34	251.74	90.13	248.72	-5,576.08	1,407.41	1,009.24	398.18	3.535		
15,100.00	7,250.69	7,260.69	7,260.69	231.16	251.75	90.15	248.72	-5,576.08	1,486.78	1,094.21	392.57	3.787		
15,200.00	7,250.88	7,260.88	7,260.88	233.99	251.75	90.16	248.72	-5,576.08	1,568.50	1,181.14	387.36	4.049		
15,300.00	7,251.07	7,261.07	7,261.07	236.82	251.76	90.17	248.72	-5,576.08	1,652.24	1,269.70	382.53	4.319		
15,400.00	7,251.25	7,261.25	7,261.25	239.65	251.77	90.18	248.72	-5,576.08	1,737.69	1,359.62	378.07	4.596		
15,500.00	7,251.44	7,261.44	7,261.44	242.47	251.77	90.19	248.72	-5,576.08	1,824.63	1,450.67	373.96	4.879		
15,600.00	7,251.62	7,261.62	7,261.62	245.30	251.78	90.21	248.72	-5,576.08	1,912.84	1,542.68	370.16	5.168		
15,700.00	7,251.81	7,261.81	7,261.81	248.13	251.79	90.22	248.72	-5,576.08	2,002.16	1,635.51	366.65	5.461		
15,800.00	7,252.00	7,262.00	7,262.00	250.97	251.79	90.23	248.72	-5,576.08	2,092.45	1,729.03	363.41	5.758		
15,900.00	7,252.18	7,262.18	7,262.18	253.80	251.80	90.24	248.72	-5,576.08	2,183.58	1,823.16	360.42	6.058		
16,000.00	7,252.37	7,262.37	7,262.37	256.63	251.81	90.25	248.72	-5,576.08	2,275.46	1,917.81	357.65	6.362		
16,100.00	7,252.56	7,262.56	7,262.56	259.46	251.81	90.27	248.72	-5,576.08	2,368.00	2,012.92	355.08	6.669		
16,200.00	7,252.74	7,262.74	7,262.74	262.30	251.82	90.28	248.72	-5,576.08	2,461.12	2,108.42	352.70	6.978		
16,300.00	7,252.93	7,262.93	7,262.93	265.13	251.83	90.29	248.72	-5,576.08	2,554.76	2,204.28	350.48	7.289		
16,400.00	7,253.11	7,263.11	7,263.11	267.96	251.83	90.30	248.72	-5,576.08	2,648.86	2,300.44	348.42	7.602		
16,500.00	7,253.30	7,263.30	7,263.30	270.80	251.84	90.32	248.72	-5,576.08	2,743.39	2,396.89	346.50	7.917		
16,600.00	7,253.49	7,263.49	7,263.49	273.64	251.84	90.33	248.72	-5,576.08	2,838.28	2,493.58	344.71	8.234		
16,700.00	7,253.67	7,263.67	7,263.67	276.47	251.85	90.34	248.72	-5,576.08	2,933.52	2,590.49	343.03	8.552		
16,800.00	7,253.86	7,263.86	7,263.86	279.31	251.86	90.35	248.72	-5,576.08	3,029.07	2,687.60	341.46	8.871		
16,900.00	7,254.05	7,264.05	7,264.05	282.15	251.86	90.36	248.72	-5,576.08	3,124.89	2,784.89	339.99	9.191		
17,000.00	7,254.23	7,264.23	7,264.23	284.98	251.87	90.38	248.72	-5,576.08	3,220.96	2,882.35	338.62	9.512		
17,100.00	7,254.42	7,264.42	7,264.42	287.82	251.88	90.39	248.72	-5,576.08	3,317.27	2,979.95	337.32	9.834		
17,200.00	7,254.61	7,264.61	7,264.61	290.66	251.88	90.40	248.72	-5,576.08	3,413.79	3,077.69	336.11	10.157		
17,300.00	7,254.79	7,264.79	7,264.79	293.50	251.89	90.41	248.72	-5,576.08	3,510.51	3,175.55	334.96	10.480		
17,400.00	7,254.98	7,264.98	7,264.98	296.34	251.90	90.42	248.72	-5,576.08	3,607.41	3,273.52	333.88	10.804		
17,500.00	7,255.16	7,265.16	7,265.16	299.18	251.90	90.44	248.72	-5,576.08	3,704.46	3,371.60	332.86	11.129		
17,600.00	7,255.35	7,265.35	7,265.35	302.02	251.91	90.45	248.72	-5,576.08	3,801.68	3,469.77	331.90	11.454		
17,700.00	7,255.54	7,265.54	7,265.54	304.86	251.92	90.46	248.72	-5,576.08	3,899.03	3,568.04	331.00	11.780		
17,800.00	7,255.72	7,265.72	7,265.72	307.70	251.92	90.47	248.72	-5,576.08	3,996.51	3,666.38	330.14	12.106		
17,900.00	7,255.91	7,265.91	7,265.91	310.54	251.93	90.49	248.72	-5,576.08	4,094.12	3,764.79	329.33	12.432		
18,000.00	7,256.10	7,266.10	7,266.10	313.39	251.94	90.50	248.72	-5,576.08	4,191.84	3,863.28	328.56	12.758		
18,100.00	7,256.28	7,266.28	7,266.28	316.23	251.94	90.51	248.72	-5,576.08	4,289.66	3,961.83	327.83	13.085		
18,200.00	7,256.47	7,266.47	7,266.47	319.07	251.95	90.52	248.72	-5,576.08	4,387.58	4,060.45	327.14	13.412		
18,300.00	7,256.65	7,266.65	7,266.65	321.91	251.96	90.53	248.72	-5,576.08	4,485.60	4,159.11	326.48	13.739		
18,400.00	7,256.84	7,266.84	7,266.84	324.76	251.96	90.55	248.72	-5,576.08	4,583.69	4,257.84	325.86	14.067		
18,500.00	7,257.03	7,267.03	7,267.03	327.60	251.97	90.56	248.72	-5,576.08	4,681.87	4,356.61	325.27	14.394		
18,600.00	7,257.21	7,267.21	7,267.21	330.44	251.97	90.57	248.72	-5,576.08	4,780.13	4,455.42	324.70	14.721		
18,700.00	7,257.40	7,267.40	7,267.40	333.29	251.98	90.58	248.72	-5,576.08	4,878.45	4,554.28	324.17	15.049		
18,800.00	7,257.59	7,267.59	7,267.59	336.13	251.99	90.59	248.72	-5,576.08	4,976.85	4,653.19	323.66	15.377		
18,900.00	7,257.77	7,267.77	7,267.77	338.98	251.99	90.61	248.72	-5,576.08	5,075.30	4,752.12	323.18	15.704		
19,000.00	7,257.96	7,267.96	7,267.96	341.82	252.00	90.62	248.72	-5,576.08	5,173.82	4,851.10	322.72	16.032		
19,022.43	7,258.00	7,268.00	7,268.00	342.46	252.00	90.62	248.72	-5,576.08	5,195.92	4,873.30	322.62	16.106		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	16.00	16.00	3.28	3.29	-88.69	73.80	-3,231.49	3,232.33					
100.00	100.00	116.00	116.00	3.28	4.01	-88.69	73.80	-3,231.49	3,232.33	3,225.04	7.29	443.205		
200.00	200.00	216.00	216.00	3.34	6.66	-88.69	73.80	-3,231.49	3,232.33	3,222.33	10.00	323.364		
300.00	300.00	316.00	316.00	3.44	9.85	-88.69	73.80	-3,231.49	3,232.33	3,219.04	13.29	243.156		
400.00	399.98	415.98	415.98	3.60	13.19	155.31	73.80	-3,231.49	3,233.92	3,217.13	16.79	192.624		
500.00	499.84	515.84	515.84	3.79	16.59	155.31	73.80	-3,231.49	3,238.67	3,218.29	20.38	158.889		
600.00	599.45	615.45	615.45	4.03	20.01	155.30	73.80	-3,231.49	3,246.60	3,222.55	24.04	135.045		
700.00	698.70	714.70	714.70	4.30	23.44	155.30	73.80	-3,231.49	3,257.68	3,229.94	27.74	117.442		
800.00	797.47	813.47	813.47	4.61	26.85	155.30	73.80	-3,231.49	3,271.92	3,240.46	31.46	103.999		
900.00	895.62	911.62	911.62	4.96	30.26	155.29	73.80	-3,231.49	3,289.31	3,254.12	35.20	93.455		
939.50	934.20	950.20	950.20	5.10	31.60	155.28	73.80	-3,231.49	3,297.05	3,260.37	36.68	89.895		
1,000.00	993.20	1,009.20	1,009.20	5.33	33.65	155.38	73.80	-3,231.49	3,309.27	3,270.33	38.94	84.985		
1,100.00	1,090.72	1,106.72	1,106.72	5.73	37.04	155.54	73.80	-3,231.49	3,329.49	3,286.80	42.70	77.983		
1,200.00	1,188.24	1,204.24	1,204.24	6.15	40.43	155.69	73.80	-3,231.49	3,349.74	3,303.27	46.47	72.085		
1,300.00	1,285.76	1,301.76	1,301.76	6.59	43.82	155.85	73.80	-3,231.49	3,370.01	3,319.75	50.26	67.053		
1,400.00	1,383.28	1,400.72	1,399.28	7.04	47.27	156.00	73.80	-3,231.49	3,390.31	3,336.20	54.11	62.655		
1,500.00	1,480.80	1,503.21	1,496.80	7.50	50.84	156.15	73.80	-3,231.49	3,410.62	3,352.53	58.10	58.707		
1,600.00	1,578.31	1,605.69	1,594.31	7.96	54.41	156.30	73.80	-3,231.49	3,430.96	3,368.88	62.09	55.259		
1,700.00	1,675.83	1,708.17	1,691.83	8.44	57.98	156.45	73.80	-3,231.49	3,451.33	3,385.24	66.09	52.222		
1,800.00	1,773.35	1,789.35	1,789.35	8.92	60.81	156.59	73.80	-3,231.49	3,471.71	3,402.36	69.35	50.058		
1,900.00	1,870.87	1,886.87	1,886.87	9.40	64.21	156.74	73.80	-3,231.49	3,492.12	3,418.92	73.19	47.712		
2,000.00	1,968.39	1,984.39	1,984.39	9.89	67.61	156.88	73.80	-3,231.49	3,512.54	3,435.51	77.03	45.597		
2,100.00	2,065.91	2,081.91	2,081.91	10.39	71.01	157.02	73.80	-3,231.49	3,532.99	3,452.11	80.88	43.681		
2,200.00	2,163.43	2,179.43	2,179.43	10.88	74.41	157.16	73.80	-3,231.49	3,553.46	3,468.73	84.73	41.938		
2,300.00	2,260.95	2,276.95	2,276.95	11.38	77.81	157.29	73.80	-3,231.49	3,573.94	3,485.36	88.58	40.346		
2,400.00	2,358.46	2,374.46	2,374.46	11.89	81.21	157.43	73.80	-3,231.49	3,594.45	3,502.01	92.44	38.885		
2,500.00	2,455.98	2,471.98	2,471.98	12.39	84.62	157.56	73.80	-3,231.49	3,614.98	3,518.68	96.30	37.541		
2,600.00	2,553.50	2,569.50	2,569.50	12.89	88.02	157.70	73.80	-3,231.49	3,635.52	3,535.37	100.15	36.299		
2,700.00	2,651.02	2,667.02	2,667.02	13.40	91.42	157.83	73.80	-3,231.49	3,656.09	3,552.07	104.01	35.150		
2,800.00	2,748.54	2,764.54	2,764.54	13.91	94.82	157.96	73.80	-3,231.49	3,676.67	3,568.79	107.88	34.082		
2,900.00	2,846.06	2,862.06	2,862.06	14.42	98.22	158.09	73.80	-3,231.49	3,697.27	3,585.53	111.74	33.088		
3,000.00	2,943.58	2,959.58	2,959.58	14.93	101.63	158.21	73.80	-3,231.49	3,717.88	3,602.28	115.60	32.161		
3,100.00	3,041.10	3,057.10	3,057.10	15.45	105.03	158.34	73.80	-3,231.49	3,738.52	3,619.05	119.47	31.293		
3,200.00	3,138.61	3,154.61	3,154.61	15.96	108.43	158.46	73.80	-3,231.49	3,759.17	3,635.84	123.33	30.479		
3,300.00	3,236.13	3,252.13	3,252.13	16.47	111.83	158.59	73.80	-3,231.49	3,779.84	3,652.64	127.20	29.715		
3,400.00	3,333.65	3,349.65	3,349.65	16.99	115.24	158.71	73.80	-3,231.49	3,800.53	3,669.46	131.07	28.996		
3,500.00	3,431.17	3,447.17	3,447.17	17.50	118.64	158.83	73.80	-3,231.49	3,821.23	3,686.29	134.94	28.319		
3,600.00	3,528.69	3,544.69	3,544.69	18.02	122.04	158.95	73.80	-3,231.49	3,841.94	3,703.14	138.81	27.678		
3,700.00	3,626.21	3,642.21	3,642.21	18.54	125.45	159.06	73.80	-3,231.49	3,862.68	3,720.00	142.68	27.073		
3,800.00	3,723.73	3,739.73	3,739.73	19.06	128.85	159.18	73.80	-3,231.49	3,883.43	3,736.88	146.55	26.500		
3,900.00	3,821.25	3,837.25	3,837.25	19.57	132.25	159.29	73.80	-3,231.49	3,904.19	3,753.78	150.42	25.956		
4,000.00	3,918.77	3,934.77	3,934.77	20.09	135.66	159.41	73.80	-3,231.49	3,924.97	3,770.68	154.29	25.439		
4,100.00	4,016.28	4,032.28	4,032.28	20.61	139.06	159.52	73.80	-3,231.49	3,945.76	3,787.61	158.16	24.948		
4,200.00	4,113.80	4,129.80	4,129.80	21.13	142.46	159.63	73.80	-3,231.49	3,966.57	3,804.54	162.03	24.481		
4,300.00	4,211.32	4,227.32	4,227.32	21.65	145.87	159.74	73.80	-3,231.49	3,987.40	3,821.49	165.90	24.035		
4,400.00	4,308.84	4,324.84	4,324.84	22.17	149.27	159.85	73.80	-3,231.49	4,008.23	3,838.46	169.77	23.609		
4,500.00	4,406.36	4,422.36	4,422.36	22.69	152.67	159.96	73.80	-3,231.49	4,029.08	3,855.44	173.65	23.203		
4,600.00	4,503.88	4,519.88	4,519.88	23.21	156.08	160.07	73.80	-3,231.49	4,049.95	3,872.43	177.52	22.814		
4,700.00	4,601.40	4,617.40	4,617.40	23.73	159.48	160.17	73.80	-3,231.49	4,070.83	3,889.44	181.39	22.442		
4,800.00	4,698.92	4,714.92	4,714.92	24.26	162.89	160.28	73.80	-3,231.49	4,091.72	3,906.45	185.26	22.086		
4,900.00	4,796.43	4,812.43	4,812.43	24.78	166.29	160.38	73.80	-3,231.49	4,112.62	3,923.48	189.14	21.744		
5,000.00	4,893.95	4,909.95	4,909.95	25.30	169.69	160.48	73.80	-3,231.49	4,133.54	3,940.53	193.01	21.416		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,007.47	5,007.47	25.82	173.10	160.59	73.80	-3,231.49	4,154.47	3,957.58	196.88	21.101		
5,200.00	5,088.99	5,104.99	5,104.99	26.34	176.50	160.69	73.80	-3,231.49	4,175.41	3,974.65	200.76	20.798		
5,300.00	5,186.51	5,202.51	5,202.51	26.87	179.90	160.79	73.80	-3,231.49	4,196.36	3,991.73	204.63	20.507		
5,400.00	5,284.03	5,300.03	5,300.03	27.39	183.31	160.89	73.80	-3,231.49	4,217.33	4,008.83	208.50	20.227		
5,500.00	5,381.55	5,402.45	5,397.55	27.91	186.88	160.98	73.80	-3,231.49	4,238.31	4,025.76	212.55	19.940		
5,600.00	5,479.07	5,504.93	5,495.07	28.43	190.46	161.08	73.80	-3,231.49	4,259.30	4,042.70	216.60	19.665		
5,700.00	5,576.58	5,607.42	5,592.58	28.96	194.04	161.18	73.80	-3,231.49	4,280.30	4,059.66	220.64	19.399		
5,800.00	5,674.10	5,709.90	5,690.10	29.48	197.61	161.27	73.80	-3,231.49	4,301.31	4,076.62	224.69	19.143		
5,900.00	5,771.62	5,787.62	5,787.62	30.00	200.33	161.37	73.80	-3,231.49	4,322.34	4,094.46	227.87	18.968		
6,000.00	5,869.14	5,885.14	5,885.14	30.53	203.73	161.46	73.80	-3,231.49	4,343.37	4,111.63	231.75	18.742		
6,100.00	5,966.66	5,982.66	5,982.66	31.05	207.14	161.55	73.80	-3,231.49	4,364.42	4,128.80	235.62	18.523		
6,200.00	6,064.18	6,080.18	6,080.18	31.58	210.54	161.64	73.80	-3,231.49	4,385.48	4,145.98	239.50	18.311		
6,300.00	6,161.70	6,177.70	6,177.70	32.10	213.94	161.73	73.80	-3,231.49	4,406.54	4,163.17	243.37	18.106		
6,400.00	6,259.22	6,275.22	6,275.22	32.62	217.35	161.82	73.80	-3,231.49	4,427.62	4,180.38	247.25	17.908		
6,500.00	6,356.74	6,372.74	6,372.74	33.15	220.75	161.91	73.80	-3,231.49	4,448.71	4,197.59	251.12	17.715		
6,600.00	6,454.25	6,470.25	6,470.25	33.67	224.16	162.00	73.80	-3,231.49	4,469.81	4,214.81	255.00	17.529		
6,623.48	6,477.15	6,506.85	6,493.15	33.80	225.43	162.02	73.80	-3,231.49	4,474.77	4,218.38	256.38	17.453		
6,650.00	6,503.12	6,519.12	6,519.12	33.93	225.86	156.38	73.80	-3,231.49	4,479.83	4,222.89	256.93	17.436		
6,700.00	6,552.50	6,568.50	6,568.50	34.16	227.59	137.45	73.80	-3,231.49	4,486.44	4,227.56	258.88	17.330		
6,750.00	6,602.21	6,618.21	6,618.21	34.36	229.32	99.44	73.80	-3,231.49	4,489.19	4,228.36	260.82	17.212		
6,800.00	6,651.92	6,667.92	6,667.92	34.54	231.06	60.60	73.80	-3,231.49	4,488.06	4,225.31	262.74	17.082		
6,850.00	6,701.33	6,717.33	6,717.33	34.70	232.78	41.08	73.80	-3,231.49	4,483.06	4,218.43	264.63	16.941		
6,900.00	6,750.14	6,766.14	6,766.14	34.86	234.48	31.80	73.80	-3,231.49	4,474.22	4,207.75	266.47	16.791		
6,950.00	6,798.04	6,814.04	6,814.04	35.02	236.16	26.80	73.80	-3,231.49	4,461.61	4,193.35	268.26	16.632		
7,000.00	6,844.75	6,860.75	6,860.75	35.19	237.79	23.85	73.80	-3,231.49	4,445.29	4,175.30	269.99	16.465		
7,050.00	6,889.97	6,905.97	6,905.97	35.37	239.36	22.02	73.80	-3,231.49	4,425.38	4,153.73	271.65	16.291		
7,100.00	6,933.42	6,949.42	6,949.42	35.57	240.88	21.02	73.80	-3,231.49	4,401.99	4,128.77	273.23	16.111		
7,150.00	6,974.83	7,009.17	6,990.83	35.79	242.97	20.49	73.80	-3,231.49	4,375.28	4,099.92	275.36	15.889		
7,200.00	7,013.96	7,029.96	7,029.96	36.02	243.69	20.40	73.80	-3,231.49	4,345.41	4,069.30	276.11	15.738		
7,250.00	7,050.56	7,066.56	7,066.56	36.28	244.97	20.68	73.80	-3,231.49	4,312.57	4,035.16	277.41	15.546		
7,300.00	7,084.39	7,100.39	7,100.39	36.57	246.15	21.35	73.80	-3,231.49	4,276.95	3,998.36	278.60	15.352		
7,350.00	7,115.27	7,131.27	7,131.27	36.89	247.23	22.45	73.80	-3,231.49	4,238.79	3,959.12	279.67	15.156		
7,400.00	7,142.99	7,158.99	7,158.99	37.25	248.20	24.07	73.80	-3,231.49	4,198.32	3,917.69	280.63	14.960		
7,450.00	7,167.38	7,183.38	7,183.38	37.65	249.05	26.36	73.80	-3,231.49	4,155.79	3,874.32	281.47	14.765		
7,500.00	7,188.30	7,204.30	7,204.30	38.08	249.78	29.61	73.80	-3,231.49	4,111.46	3,829.27	282.18	14.570		
7,550.00	7,205.61	7,221.61	7,221.61	38.55	250.38	34.26	73.80	-3,231.49	4,065.60	3,782.83	282.77	14.378		
7,600.00	7,219.20	7,235.20	7,235.20	39.06	250.86	41.14	73.80	-3,231.49	4,018.50	3,735.27	283.24	14.188		
7,650.00	7,229.00	7,245.00	7,245.00	39.61	251.20	51.59	73.80	-3,231.49	3,970.45	3,686.88	283.57	14.001		
7,700.00	7,234.95	7,250.95	7,250.95	40.18	251.41	67.49	73.80	-3,231.49	3,921.75	3,637.96	283.78	13.819		
7,750.07	7,237.00	7,253.00	7,253.00	40.78	251.48	89.43	73.80	-3,231.49	3,872.62	3,588.75	283.87	13.642		
7,800.00	7,237.09	7,253.09	7,253.09	41.41	251.48	89.44	73.80	-3,231.49	3,823.55	3,539.66	283.89	13.468		
7,900.00	7,237.28	7,253.28	7,253.28	42.79	251.49	89.45	73.80	-3,231.49	3,725.36	3,441.41	283.95	13.120		
8,000.00	7,237.47	7,253.47	7,253.47	44.31	251.49	89.47	73.80	-3,231.49	3,627.27	3,343.24	284.03	12.771		
8,100.00	7,237.65	7,253.65	7,253.65	45.97	251.50	89.48	73.80	-3,231.49	3,529.28	3,245.15	284.12	12.422		
8,200.00	7,237.84	7,253.84	7,253.84	47.75	251.51	89.50	73.80	-3,231.49	3,431.41	3,147.16	284.24	12.072		
8,300.00	7,238.02	7,254.02	7,254.02	49.63	251.51	89.51	73.80	-3,231.49	3,333.66	3,049.27	284.39	11.722		
8,400.00	7,238.21	7,254.21	7,254.21	51.61	251.52	89.53	73.80	-3,231.49	3,236.05	2,951.49	284.57	11.372		
8,500.00	7,238.40	7,254.40	7,254.40	53.66	251.53	89.54	73.80	-3,231.49	3,138.60	2,853.82	284.78	11.021		
8,600.00	7,238.58	7,254.58	7,254.58	55.79	251.53	89.56	73.80	-3,231.49	3,041.30	2,756.28	285.03	10.670		
8,700.00	7,238.77	7,254.77	7,254.77	57.99	251.54	89.57	73.80	-3,231.49	2,944.19	2,658.87	285.33	10.319		
8,800.00	7,238.96	7,254.96	7,254.96	60.24	251.55	89.59	73.80	-3,231.49	2,847.28	2,561.61	285.67	9.967		
8,900.00	7,239.14	7,255.14	7,255.14	62.54	251.55	89.60	73.80	-3,231.49	2,750.59	2,464.51	286.08	9.615		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,255.33	7,255.33	64.88	251.56	89.62	73.80	-3,231.49	2,654.15	2,367.60	286.56	9.262		
9,100.00	7,239.52	7,255.52	7,255.52	67.27	251.57	89.63	73.80	-3,231.49	2,557.98	2,270.87	287.11	8.909		
9,200.00	7,239.70	7,255.70	7,255.70	69.69	251.57	89.65	73.80	-3,231.49	2,462.12	2,174.36	287.75	8.556		
9,300.00	7,239.89	7,255.89	7,255.89	72.15	251.58	89.66	73.80	-3,231.49	2,366.59	2,078.09	288.50	8.203		
9,400.00	7,240.07	7,256.07	7,256.07	74.63	251.59	89.68	73.80	-3,231.49	2,271.45	1,982.09	289.36	7.850		
9,500.00	7,240.26	7,256.26	7,256.26	77.14	251.59	89.69	73.80	-3,231.49	2,176.75	1,886.39	290.36	7.497		
9,600.00	7,240.45	7,256.45	7,256.45	79.68	251.60	89.71	73.80	-3,231.49	2,082.55	1,791.03	291.52	7.144		
9,700.00	7,240.63	7,256.63	7,256.63	82.23	251.61	89.72	73.80	-3,231.49	1,988.90	1,696.05	292.85	6.791		
9,800.00	7,240.82	7,256.82	7,256.82	84.81	251.61	89.74	73.80	-3,231.49	1,895.91	1,601.52	294.40	6.440		
9,900.00	7,241.01	7,257.01	7,257.01	87.40	251.62	89.75	73.80	-3,231.49	1,803.67	1,507.49	296.18	6.090		
10,000.00	7,241.19	7,257.19	7,257.19	90.01	251.62	89.77	73.80	-3,231.49	1,712.30	1,414.07	298.23	5.741		
10,100.00	7,241.38	7,257.38	7,257.38	92.64	251.63	89.78	73.80	-3,231.49	1,621.95	1,321.35	300.60	5.396		
10,200.00	7,241.56	7,257.56	7,257.56	95.28	251.64	89.80	73.80	-3,231.49	1,532.80	1,229.46	303.34	5.053		
10,300.00	7,241.75	7,257.75	7,257.75	97.93	251.64	89.81	73.80	-3,231.49	1,445.07	1,138.58	306.48	4.715		
10,400.00	7,241.94	7,257.94	7,257.94	100.59	251.65	89.83	73.80	-3,231.49	1,359.03	1,048.93	310.10	4.383		
10,500.00	7,242.12	7,258.12	7,258.12	103.26	251.66	89.84	73.80	-3,231.49	1,275.03	960.77	314.26	4.057		
10,600.00	7,242.31	7,258.31	7,258.31	105.95	251.66	89.86	73.80	-3,231.49	1,193.50	874.49	319.02	3.741		
10,700.00	7,242.50	7,258.50	7,258.50	108.64	251.67	89.87	73.80	-3,231.49	1,114.99	790.55	324.44	3.437		
10,800.00	7,242.68	7,258.68	7,258.68	111.34	251.68	89.89	73.80	-3,231.49	1,040.16	709.59	330.58	3.147		
10,900.00	7,242.87	7,258.87	7,258.87	114.05	251.68	89.90	73.80	-3,231.49	969.89	632.45	337.44	2.874		
11,000.00	7,243.05	7,259.05	7,259.05	116.76	251.69	89.92	73.80	-3,231.49	905.22	560.25	344.98	2.624		
11,100.00	7,243.24	7,259.24	7,259.24	119.49	251.70	89.93	73.80	-3,231.49	847.45	494.42	353.03	2.400		
11,200.00	7,243.43	7,259.43	7,259.43	122.22	251.70	89.95	73.80	-3,231.49	798.07	436.78	361.30	2.209		
11,300.00	7,243.61	7,259.61	7,259.61	124.95	251.71	89.96	73.80	-3,231.49	758.73	389.46	369.27	2.055		
11,400.00	7,243.80	7,259.80	7,259.80	127.69	251.72	89.98	73.80	-3,231.49	731.03	354.75	376.29	1.943		
11,500.00	7,243.99	7,259.99	7,259.99	130.44	251.72	89.99	73.80	-3,231.49	716.35	334.71	381.64	1.877		
11,556.28	7,244.09	7,260.09	7,260.09	131.99	251.73	90.00	73.80	-3,231.49	714.13	330.43	383.70	1.861 CC, ES		
11,600.00	7,244.17	7,260.17	7,260.17	133.19	251.73	90.01	73.80	-3,231.49	715.47	330.70	384.78	1.859 SF		
11,700.00	7,244.36	7,260.36	7,260.36	135.94	251.74	90.02	73.80	-3,231.49	728.45	342.97	385.49	1.890		
11,800.00	7,244.55	7,260.55	7,260.55	138.70	251.74	90.04	73.80	-3,231.49	754.58	370.60	383.98	1.965		
11,900.00	7,244.73	7,260.73	7,260.73	141.47	251.75	90.05	73.80	-3,231.49	792.55	411.81	380.74	2.082		
12,000.00	7,244.92	7,260.92	7,260.92	144.24	251.75	90.07	73.80	-3,231.49	840.76	464.38	376.38	2.234		
12,100.00	7,245.10	7,261.10	7,261.10	147.01	251.76	90.08	73.80	-3,231.49	897.56	526.12	371.44	2.416		
12,200.00	7,245.29	7,261.29	7,261.29	149.78	251.77	90.10	73.80	-3,231.49	961.44	595.11	366.33	2.625		
12,300.00	7,245.48	7,261.48	7,261.48	152.56	251.77	90.11	73.80	-3,231.49	1,031.07	669.76	361.31	2.854		
12,400.00	7,245.66	7,261.66	7,261.66	155.34	251.78	90.13	73.80	-3,231.49	1,105.37	748.81	356.56	3.100		
12,500.00	7,245.85	7,261.85	7,261.85	158.12	251.79	90.14	73.80	-3,231.49	1,183.47	831.33	352.14	3.361		
12,600.00	7,246.04	7,262.04	7,262.04	160.91	251.79	90.16	73.80	-3,231.49	1,264.65	916.56	348.09	3.633		
12,700.00	7,246.22	7,262.22	7,262.22	163.70	251.80	90.17	73.80	-3,231.49	1,348.36	1,003.96	344.40	3.915		
12,800.00	7,246.41	7,262.41	7,262.41	166.49	251.81	90.19	73.80	-3,231.49	1,434.16	1,093.11	341.05	4.205		
12,900.00	7,246.59	7,262.59	7,262.59	169.28	251.81	90.20	73.80	-3,231.49	1,521.70	1,183.68	338.02	4.502		
13,000.00	7,246.78	7,262.78	7,262.78	172.08	251.82	90.22	73.80	-3,231.49	1,610.69	1,275.41	335.28	4.804		
13,100.00	7,246.97	7,262.97	7,262.97	174.88	251.83	90.23	73.80	-3,231.49	1,700.90	1,368.11	332.79	5.111		
13,200.00	7,247.15	7,263.15	7,263.15	177.68	251.83	90.25	73.80	-3,231.49	1,792.15	1,461.61	330.54	5.422		
13,300.00	7,247.34	7,263.34	7,263.34	180.48	251.84	90.26	73.80	-3,231.49	1,884.29	1,555.79	328.50	5.736		
13,400.00	7,247.53	7,263.53	7,263.53	183.28	251.85	90.28	73.80	-3,231.49	1,977.19	1,650.56	326.63	6.053		
13,500.00	7,247.71	7,263.71	7,263.71	186.09	251.85	90.29	73.80	-3,231.49	2,070.76	1,745.82	324.94	6.373		
13,600.00	7,247.90	7,263.90	7,263.90	188.90	251.86	90.31	73.80	-3,231.49	2,164.90	1,841.51	323.39	6.694		
13,700.00	7,248.08	7,264.08	7,264.08	191.70	251.87	90.32	73.80	-3,231.49	2,259.54	1,937.57	321.97	7.018		
13,800.00	7,248.27	7,264.27	7,264.27	194.52	251.87	90.34	73.80	-3,231.49	2,354.63	2,033.96	320.67	7.343		
13,900.00	7,248.46	7,264.46	7,264.46	197.33	251.88	90.35	73.80	-3,231.49	2,450.10	2,130.63	319.47	7.669		
14,000.00	7,248.64	7,264.64	7,264.64	200.14	251.89	90.37	73.80	-3,231.49	2,545.93	2,227.56	318.37	7.997		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,264.83	7,264.83	202.95	251.89	90.38	73.80	-3,231.49	2,642.06	2,324.71	317.35	8.325		
14,200.00	7,249.02	7,265.02	7,265.02	205.77	251.90	90.40	73.80	-3,231.49	2,738.47	2,422.06	316.41	8.655		
14,300.00	7,249.20	7,265.20	7,265.20	208.59	251.90	90.41	73.80	-3,231.49	2,835.13	2,519.59	315.54	8.985		
14,400.00	7,249.39	7,265.39	7,265.39	211.41	251.91	90.43	73.80	-3,231.49	2,932.02	2,617.28	314.73	9.316		
14,500.00	7,249.58	7,265.58	7,265.58	214.23	251.92	90.44	73.80	-3,231.49	3,029.10	2,715.12	313.98	9.647		
14,600.00	7,249.76	7,265.76	7,265.76	217.05	251.92	90.45	73.80	-3,231.49	3,126.37	2,813.08	313.29	9.979		
14,700.00	7,249.95	7,265.95	7,265.95	219.87	251.93	90.47	73.80	-3,231.49	3,223.81	2,911.17	312.64	10.312		
14,800.00	7,250.13	7,266.13	7,266.13	222.69	251.94	90.48	73.80	-3,231.49	3,321.40	3,009.36	312.04	10.644		
14,900.00	7,250.32	7,266.32	7,266.32	225.51	251.94	90.50	73.80	-3,231.49	3,419.13	3,107.66	311.47	10.977		
15,000.00	7,250.51	7,266.51	7,266.51	228.34	251.95	90.51	73.80	-3,231.49	3,516.98	3,206.04	310.94	11.311		
15,100.00	7,250.69	7,266.69	7,266.69	231.16	251.96	90.53	73.80	-3,231.49	3,614.96	3,304.50	310.45	11.644		
15,200.00	7,250.88	7,266.88	7,266.88	233.99	251.96	90.54	73.80	-3,231.49	3,713.04	3,403.05	309.99	11.978		
15,300.00	7,251.07	7,267.07	7,267.07	236.82	251.97	90.56	73.80	-3,231.49	3,811.22	3,501.66	309.56	12.312		
15,400.00	7,251.25	7,267.25	7,267.25	239.65	251.98	90.57	73.80	-3,231.49	3,909.49	3,600.34	309.16	12.646		
15,500.00	7,251.44	7,267.44	7,267.44	242.47	251.98	90.59	73.80	-3,231.49	4,007.85	3,699.08	308.78	12.980		
15,600.00	7,251.62	7,267.62	7,267.62	245.30	251.99	90.60	73.80	-3,231.49	4,106.29	3,797.87	308.42	13.314		
15,700.00	7,251.81	7,267.81	7,267.81	248.13	252.00	90.62	73.80	-3,231.49	4,204.80	3,896.71	308.09	13.648		
15,800.00	7,252.00	7,268.00	7,268.00	250.97	252.00	90.63	73.80	-3,231.49	4,303.38	3,995.61	307.77	13.982		
15,900.00	7,252.18	7,268.18	7,268.18	253.80	252.01	90.65	73.80	-3,231.49	4,402.03	4,094.55	307.48	14.316		
16,000.00	7,252.37	7,268.37	7,268.37	256.63	252.02	90.66	73.80	-3,231.49	4,500.73	4,193.53	307.20	14.651		
16,100.00	7,252.56	7,268.56	7,268.56	259.46	252.02	90.68	73.80	-3,231.49	4,599.49	4,292.55	306.94	14.985		
16,200.00	7,252.74	7,268.74	7,268.74	262.30	252.03	90.69	73.80	-3,231.49	4,698.31	4,391.61	306.70	15.319		
16,300.00	7,252.93	7,268.93	7,268.93	265.13	252.03	90.71	73.80	-3,231.49	4,797.17	4,490.70	306.47	15.653		
16,400.00	7,253.11	7,269.11	7,269.11	267.96	252.04	90.72	73.80	-3,231.49	4,896.08	4,589.82	306.26	15.987		
16,500.00	7,253.30	7,269.30	7,269.30	270.80	252.05	90.74	73.80	-3,231.49	4,995.03	4,688.97	306.05	16.321		
16,600.00	7,253.49	7,269.49	7,269.49	273.64	252.05	90.75	73.80	-3,231.49	5,094.02	4,788.16	305.86	16.655		
16,700.00	7,253.67	7,269.67	7,269.67	276.47	252.06	90.77	73.80	-3,231.49	5,193.05	4,887.37	305.69	16.988		
16,800.00	7,253.86	7,269.86	7,269.86	279.31	252.07	90.78	73.80	-3,231.49	5,292.12	4,986.60	305.52	17.322		
16,900.00	7,254.05	7,270.05	7,270.05	282.15	252.07	90.80	73.80	-3,231.49	5,391.22	5,085.86	305.36	17.655		
17,000.00	7,254.23	7,270.23	7,270.23	284.98	252.08	90.81	73.80	-3,231.49	5,490.36	5,185.14	305.21	17.989		
17,100.00	7,254.42	7,270.42	7,270.42	287.82	252.09	90.83	73.80	-3,231.49	5,589.52	5,284.44	305.08	18.322		
17,200.00	7,254.61	7,270.61	7,270.61	290.66	252.09	90.84	73.80	-3,231.49	5,688.72	5,383.77	304.95	18.655		
17,300.00	7,254.79	7,270.79	7,270.79	293.50	252.10	90.86	73.80	-3,231.49	5,787.94	5,483.11	304.83	18.988		
17,400.00	7,254.98	7,270.98	7,270.98	296.34	252.11	90.87	73.80	-3,231.49	5,887.19	5,582.47	304.72	19.320		
17,500.00	7,255.16	7,271.16	7,271.16	299.18	252.11	90.89	73.80	-3,231.49	5,986.46	5,681.85	304.61	19.653		
17,600.00	7,255.35	7,271.35	7,271.35	302.02	252.12	90.90	73.80	-3,231.49	6,085.76	5,781.24	304.52	19.985		
17,700.00	7,255.54	7,271.54	7,271.54	304.86	252.13	90.92	73.80	-3,231.49	6,185.08	5,880.65	304.43	20.317		
17,800.00	7,255.72	7,271.72	7,271.72	307.70	252.13	90.93	73.80	-3,231.49	6,284.42	5,980.08	304.34	20.649		
17,900.00	7,255.91	7,271.91	7,271.91	310.54	252.14	90.95	73.80	-3,231.49	6,383.78	6,079.52	304.27	20.981		
18,000.00	7,256.10	7,272.10	7,272.10	313.39	252.15	90.96	73.80	-3,231.49	6,483.16	6,178.97	304.20	21.312		
18,100.00	7,256.28	7,272.28	7,272.28	316.23	252.15	90.98	73.80	-3,231.49	6,582.56	6,278.43	304.13	21.644		
18,200.00	7,256.47	7,272.47	7,272.47	319.07	252.16	90.99	73.80	-3,231.49	6,681.98	6,377.91	304.07	21.975		
18,300.00	7,256.65	7,272.65	7,272.65	321.91	252.16	91.01	73.80	-3,231.49	6,781.42	6,477.40	304.02	22.306		
18,400.00	7,256.84	7,272.84	7,272.84	324.76	252.17	91.02	73.80	-3,231.49	6,880.87	6,576.90	303.97	22.637		
18,500.00	7,257.03	7,273.03	7,273.03	327.60	252.18	91.04	73.80	-3,231.49	6,980.34	6,676.41	303.93	22.967		
18,600.00	7,257.21	7,273.21	7,273.21	330.44	252.18	91.05	73.80	-3,231.49	7,079.82	6,775.93	303.89	23.298		
18,700.00	7,257.40	7,273.40	7,273.40	333.29	252.19	91.07	73.80	-3,231.49	7,179.32	6,875.46	303.85	23.628		
18,800.00	7,257.59	7,273.59	7,273.59	336.13	252.20	91.08	73.80	-3,231.49	7,278.83	6,975.00	303.82	23.957		
18,900.00	7,257.77	7,273.77	7,273.77	338.98	252.20	91.10	73.80	-3,231.49	7,378.35	7,074.55	303.80	24.287		
19,000.00	7,257.96	7,273.96	7,273.96	341.82	252.21	91.11	73.80	-3,231.49	7,477.89	7,174.11	303.78	24.616		
19,022.43	7,258.00	7,274.00	7,274.00	342.46	252.21	91.12	73.80	-3,231.49	7,500.21	7,196.44	303.77	24.690		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	-110.67	-1,103.31	-2,923.77	3,125.02					
100.00	100.00	102.00	98.00	3.28	3.75	-110.67	-1,103.31	-2,923.77	3,125.02	3,117.99	7.03	444.303		
200.00	200.00	202.00	198.00	3.34	6.24	-110.67	-1,103.31	-2,923.77	3,125.02	3,115.44	9.58	326.364		
300.00	300.00	302.00	298.00	3.44	9.39	-110.67	-1,103.31	-2,923.77	3,125.02	3,112.19	12.83	243.499		
400.00	399.98	402.02	397.98	3.60	12.72	133.33	-1,103.31	-2,923.77	3,126.22	3,109.90	16.32	191.591		
500.00	499.84	502.16	497.84	3.79	16.12	133.35	-1,103.31	-2,923.77	3,129.81	3,109.90	19.91	157.161		
600.00	599.45	602.55	597.45	4.03	19.57	133.38	-1,103.31	-2,923.77	3,135.81	3,112.21	23.60	132.899		
700.00	698.70	703.30	696.70	4.30	23.04	133.42	-1,103.31	-2,923.77	3,144.21	3,116.87	27.34	114.987		
800.00	797.47	804.53	795.47	4.61	26.54	133.46	-1,103.31	-2,923.77	3,155.04	3,123.89	31.15	101.271		
900.00	895.62	906.38	893.62	4.96	30.08	133.52	-1,103.31	-2,923.77	3,168.30	3,133.28	35.02	90.461		
939.50	934.20	932.20	932.20	5.10	30.97	133.54	-1,103.31	-2,923.77	3,174.21	3,138.15	36.06	88.018		
1,000.00	993.20	1,008.80	991.20	5.33	33.63	133.71	-1,103.31	-2,923.77	3,183.57	3,144.63	38.95	81.745		
1,100.00	1,090.72	1,088.72	1,088.72	5.73	36.41	134.00	-1,103.31	-2,923.77	3,199.11	3,157.00	42.11	75.979		
1,200.00	1,188.24	1,186.24	1,186.24	6.15	39.80	134.28	-1,103.31	-2,923.77	3,214.72	3,168.83	45.90	70.042		
1,300.00	1,285.76	1,283.76	1,283.76	6.59	43.20	134.55	-1,103.31	-2,923.77	3,230.42	3,180.71	49.70	64.993		
1,400.00	1,383.28	1,381.28	1,381.28	7.04	46.59	134.83	-1,103.31	-2,923.77	3,246.18	3,192.66	53.52	60.649		
1,500.00	1,480.80	1,478.80	1,478.80	7.50	49.99	135.10	-1,103.31	-2,923.77	3,262.02	3,204.67	57.35	56.874		
1,600.00	1,578.31	1,576.31	1,576.31	7.96	53.38	135.37	-1,103.31	-2,923.77	3,277.93	3,216.74	61.19	53.566		
1,700.00	1,675.83	1,673.83	1,673.83	8.44	56.78	135.64	-1,103.31	-2,923.77	3,293.92	3,228.88	65.04	50.644		
1,800.00	1,773.35	1,771.35	1,771.35	8.92	60.18	135.90	-1,103.31	-2,923.77	3,309.97	3,241.08	68.89	48.045		
1,900.00	1,870.87	1,868.87	1,868.87	9.40	63.58	136.16	-1,103.31	-2,923.77	3,326.10	3,253.35	72.75	45.720		
2,000.00	1,968.39	1,966.39	1,966.39	9.89	66.98	136.42	-1,103.31	-2,923.77	3,342.29	3,265.68	76.61	43.627		
2,100.00	2,065.91	2,063.91	2,063.91	10.39	70.38	136.68	-1,103.31	-2,923.77	3,358.55	3,278.08	80.48	41.733		
2,200.00	2,163.43	2,161.43	2,161.43	10.88	73.78	136.94	-1,103.31	-2,923.77	3,374.88	3,290.54	84.34	40.013		
2,300.00	2,260.95	2,258.95	2,258.95	11.38	77.18	137.19	-1,103.31	-2,923.77	3,391.28	3,303.06	88.21	38.443		
2,400.00	2,358.46	2,356.46	2,356.46	11.89	80.59	137.44	-1,103.31	-2,923.77	3,407.74	3,315.65	92.09	37.006		
2,500.00	2,455.98	2,453.98	2,453.98	12.39	83.99	137.69	-1,103.31	-2,923.77	3,424.26	3,328.30	95.96	35.684		
2,600.00	2,553.50	2,551.50	2,551.50	12.89	87.39	137.93	-1,103.31	-2,923.77	3,440.85	3,341.01	99.84	34.464		
2,700.00	2,651.02	2,649.02	2,649.02	13.40	90.79	138.18	-1,103.31	-2,923.77	3,457.50	3,353.78	103.72	33.336		
2,800.00	2,748.54	2,746.54	2,746.54	13.91	94.19	138.42	-1,103.31	-2,923.77	3,474.21	3,366.61	107.59	32.290		
2,900.00	2,846.06	2,844.06	2,844.06	14.42	97.60	138.65	-1,103.31	-2,923.77	3,490.98	3,379.50	111.47	31.317		
3,000.00	2,943.58	2,941.58	2,941.58	14.93	101.00	138.89	-1,103.31	-2,923.77	3,507.81	3,392.45	115.35	30.409		
3,100.00	3,041.10	3,039.10	3,039.10	15.45	104.40	139.13	-1,103.31	-2,923.77	3,524.69	3,405.46	119.24	29.561		
3,200.00	3,138.61	3,136.61	3,136.61	15.96	107.80	139.36	-1,103.31	-2,923.77	3,541.64	3,418.52	123.12	28.766		
3,300.00	3,236.13	3,234.13	3,234.13	16.47	111.21	139.59	-1,103.31	-2,923.77	3,558.65	3,431.65	127.00	28.021		
3,400.00	3,333.65	3,331.65	3,331.65	16.99	114.61	139.81	-1,103.31	-2,923.77	3,575.70	3,444.82	130.88	27.320		
3,500.00	3,431.17	3,429.17	3,429.17	17.50	118.01	140.04	-1,103.31	-2,923.77	3,592.82	3,458.05	134.77	26.660		
3,600.00	3,528.69	3,526.69	3,526.69	18.02	121.42	140.26	-1,103.31	-2,923.77	3,609.99	3,471.34	138.65	26.037		
3,700.00	3,626.21	3,624.21	3,624.21	18.54	124.82	140.48	-1,103.31	-2,923.77	3,627.21	3,484.68	142.53	25.448		
3,800.00	3,723.73	3,721.73	3,721.73	19.06	128.22	140.70	-1,103.31	-2,923.77	3,644.49	3,498.07	146.42	24.891		
3,900.00	3,821.25	3,819.25	3,819.25	19.57	131.63	140.92	-1,103.31	-2,923.77	3,661.82	3,511.52	150.30	24.363		
4,000.00	3,918.77	3,916.77	3,916.77	20.09	135.03	141.14	-1,103.31	-2,923.77	3,679.20	3,525.01	154.19	23.862		
4,100.00	4,016.28	4,014.28	4,014.28	20.61	138.43	141.35	-1,103.31	-2,923.77	3,696.63	3,538.56	158.07	23.386		
4,200.00	4,113.80	4,111.80	4,111.80	21.13	141.84	141.56	-1,103.31	-2,923.77	3,714.11	3,552.16	161.96	22.933		
4,300.00	4,211.32	4,209.32	4,209.32	21.65	145.24	141.77	-1,103.31	-2,923.77	3,731.64	3,565.80	165.84	22.501		
4,400.00	4,308.84	4,306.84	4,306.84	22.17	148.64	141.98	-1,103.31	-2,923.77	3,749.22	3,579.50	169.73	22.090		
4,500.00	4,406.36	4,404.36	4,404.36	22.69	152.05	142.18	-1,103.31	-2,923.77	3,766.85	3,593.24	173.61	21.697		
4,600.00	4,503.88	4,501.88	4,501.88	23.21	155.45	142.39	-1,103.31	-2,923.77	3,784.53	3,607.03	177.50	21.322		
4,700.00	4,601.40	4,600.60	4,599.40	23.73	158.90	142.59	-1,103.31	-2,923.77	3,802.25	3,620.83	181.42	20.958		
4,800.00	4,698.92	4,703.08	4,696.92	24.26	162.47	142.79	-1,103.31	-2,923.77	3,820.02	3,634.54	185.48	20.595		
4,900.00	4,796.43	4,805.57	4,794.43	24.78	166.05	142.99	-1,103.31	-2,923.77	3,837.83	3,648.29	189.54	20.248		
5,000.00	4,893.95	4,908.05	4,891.95	25.30	169.63	143.18	-1,103.31	-2,923.77	3,855.69	3,662.09	193.60	19.916		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,989.47	4,989.47	25.82	172.47	143.38	-1,103.31	-2,923.77	3,873.59	3,676.67	196.92	19.671		
5,200.00	5,088.99	5,086.99	5,086.99	26.34	175.87	143.57	-1,103.31	-2,923.77	3,891.54	3,690.73	200.81	19.380		
5,300.00	5,186.51	5,184.51	5,184.51	26.87	179.28	143.76	-1,103.31	-2,923.77	3,909.53	3,704.84	204.69	19.100		
5,400.00	5,284.03	5,282.03	5,282.03	27.39	182.68	143.95	-1,103.31	-2,923.77	3,927.56	3,718.98	208.57	18.830		
5,500.00	5,381.55	5,379.55	5,379.55	27.91	186.08	144.14	-1,103.31	-2,923.77	3,945.63	3,733.17	212.46	18.571		
5,600.00	5,479.07	5,477.07	5,477.07	28.43	189.49	144.32	-1,103.31	-2,923.77	3,963.75	3,747.40	216.34	18.322		
5,700.00	5,576.58	5,574.58	5,574.58	28.96	192.89	144.51	-1,103.31	-2,923.77	3,981.90	3,761.67	220.23	18.081		
5,800.00	5,674.10	5,672.10	5,672.10	29.48	196.30	144.69	-1,103.31	-2,923.77	4,000.10	3,775.98	224.11	17.849		
5,900.00	5,771.62	5,769.62	5,769.62	30.00	199.70	144.87	-1,103.31	-2,923.77	4,018.33	3,790.33	228.00	17.625		
6,000.00	5,869.14	5,867.14	5,867.14	30.53	203.10	145.05	-1,103.31	-2,923.77	4,036.60	3,804.72	231.88	17.408		
6,100.00	5,966.66	5,964.66	5,964.66	31.05	206.51	145.23	-1,103.31	-2,923.77	4,054.92	3,819.15	235.76	17.199		
6,200.00	6,064.18	6,062.18	6,062.18	31.58	209.91	145.40	-1,103.31	-2,923.77	4,073.27	3,833.62	239.65	16.997		
6,300.00	6,161.70	6,159.70	6,159.70	32.10	213.32	145.58	-1,103.31	-2,923.77	4,091.66	3,848.12	243.53	16.801		
6,400.00	6,259.22	6,257.22	6,257.22	32.62	216.72	145.75	-1,103.31	-2,923.77	4,110.08	3,862.67	247.41	16.612		
6,500.00	6,356.74	6,354.74	6,354.74	33.15	220.12	145.92	-1,103.31	-2,923.77	4,128.54	3,877.24	251.30	16.429		
6,600.00	6,454.25	6,452.25	6,452.25	33.67	223.53	146.09	-1,103.31	-2,923.77	4,147.04	3,891.86	255.18	16.251		
6,623.48	6,477.15	6,475.15	6,475.15	33.80	224.33	146.13	-1,103.31	-2,923.77	4,151.39	3,895.29	256.09	16.210		
6,650.00	6,503.12	6,501.12	6,501.12	33.93	225.23	140.64	-1,103.31	-2,923.77	4,155.76	3,898.64	257.12	16.162		
6,700.00	6,552.50	6,550.50	6,550.50	34.16	226.96	121.88	-1,103.31	-2,923.77	4,161.06	3,901.99	259.07	16.061		
6,750.00	6,602.21	6,600.21	6,600.21	34.36	228.69	83.93	-1,103.31	-2,923.77	4,162.48	3,901.47	261.01	15.947		
6,800.00	6,651.92	6,649.92	6,649.92	34.54	230.43	45.04	-1,103.31	-2,923.77	4,160.02	3,897.09	262.93	15.822		
6,850.00	6,701.33	6,700.67	6,699.33	34.70	232.20	25.38	-1,103.31	-2,923.77	4,153.68	3,888.83	264.85	15.683		
6,900.00	6,750.14	6,748.14	6,748.14	34.86	233.86	15.83	-1,103.31	-2,923.77	4,143.50	3,876.86	266.64	15.539		
6,950.00	6,798.04	6,803.96	6,796.04	35.02	235.80	10.43	-1,103.31	-2,923.77	4,129.55	3,860.84	268.71	15.368		
7,000.00	6,844.75	6,842.75	6,842.75	35.19	237.16	6.96	-1,103.31	-2,923.77	4,111.91	3,841.74	270.17	15.220		
7,050.00	6,889.97	6,887.97	6,887.97	35.37	238.74	4.49	-1,103.31	-2,923.77	4,090.68	3,818.85	271.83	15.049		
7,100.00	6,933.42	6,931.42	6,931.42	35.57	240.25	2.58	-1,103.31	-2,923.77	4,066.00	3,792.58	273.42	14.871		
7,150.00	6,974.83	6,972.83	6,972.83	35.79	241.70	0.97	-1,103.31	-2,923.77	4,038.02	3,763.10	274.93	14.688		
7,200.00	7,013.96	7,011.96	7,011.96	36.02	243.06	-0.47	-1,103.31	-2,923.77	4,006.91	3,730.57	276.34	14.500		
7,250.00	7,050.56	7,048.56	7,048.56	36.28	244.34	-1.87	-1,103.31	-2,923.77	3,972.87	3,695.21	277.65	14.309		
7,300.00	7,084.39	7,082.39	7,082.39	36.57	245.52	-3.32	-1,103.31	-2,923.77	3,936.09	3,657.23	278.86	14.115		
7,350.00	7,115.27	7,113.27	7,113.27	36.89	246.60	-4.93	-1,103.31	-2,923.77	3,896.82	3,616.86	279.96	13.919		
7,400.00	7,142.99	7,140.99	7,140.99	37.25	247.57	-6.82	-1,103.31	-2,923.77	3,855.29	3,574.35	280.94	13.723		
7,450.00	7,167.38	7,165.38	7,165.38	37.65	248.42	-9.18	-1,103.31	-2,923.77	3,811.75	3,529.95	281.80	13.526		
7,500.00	7,188.30	7,186.30	7,186.30	38.08	249.15	-12.34	-1,103.31	-2,923.77	3,766.49	3,483.96	282.54	13.331		
7,550.00	7,205.61	7,203.61	7,203.61	38.55	249.75	-16.84	-1,103.31	-2,923.77	3,719.78	3,436.63	283.15	13.137		
7,600.00	7,219.20	7,217.20	7,217.20	39.06	250.23	-23.81	-1,103.31	-2,923.77	3,671.91	3,388.28	283.63	12.946		
7,650.00	7,229.00	7,227.00	7,227.00	39.61	250.57	-35.62	-1,103.31	-2,923.77	3,623.18	3,339.20	283.98	12.758		
7,700.00	7,234.95	7,232.95	7,232.95	40.18	250.78	-56.84	-1,103.31	-2,923.77	3,573.89	3,289.68	284.21	12.575		
7,750.00	7,237.00	7,235.00	7,235.00	40.78	250.85	-89.19	-1,103.31	-2,923.77	3,524.28	3,239.97	284.30	12.396		
7,800.00	7,237.09	7,235.09	7,235.09	41.41	250.85	-89.20	-1,103.31	-2,923.77	3,474.78	3,190.44	284.33	12.221		
7,900.00	7,237.28	7,235.28	7,235.28	42.79	250.86	-89.23	-1,103.31	-2,923.77	3,375.69	3,091.28	284.41	11.869		
8,000.00	7,237.47	7,235.47	7,235.47	44.31	250.87	-89.25	-1,103.31	-2,923.77	3,276.66	2,992.17	284.49	11.518		
8,100.00	7,237.65	7,235.65	7,235.65	45.97	250.87	-89.27	-1,103.31	-2,923.77	3,177.69	2,893.10	284.59	11.166		
8,200.00	7,237.84	7,235.84	7,235.84	47.75	250.88	-89.30	-1,103.31	-2,923.77	3,078.79	2,794.08	284.71	10.814		
8,300.00	7,238.02	7,236.02	7,236.02	49.63	250.89	-89.32	-1,103.31	-2,923.77	2,979.96	2,695.12	284.84	10.462		
8,400.00	7,238.21	7,236.21	7,236.21	51.61	250.89	-89.34	-1,103.31	-2,923.77	2,881.21	2,596.21	284.99	10.110		
8,500.00	7,238.40	7,236.40	7,236.40	53.66	250.90	-89.37	-1,103.31	-2,923.77	2,782.54	2,497.37	285.17	9.757		
8,600.00	7,238.58	7,236.58	7,236.58	55.79	250.91	-89.39	-1,103.31	-2,923.77	2,683.98	2,398.61	285.37	9.405		
8,700.00	7,238.77	7,236.77	7,236.77	57.99	250.91	-89.41	-1,103.31	-2,923.77	2,585.53	2,299.92	285.61	9.053		
8,800.00	7,238.96	7,236.96	7,236.96	60.24	250.92	-89.44	-1,103.31	-2,923.77	2,487.20	2,201.32	285.88	8.700		
8,900.00	7,239.14	7,237.14	7,237.14	62.54	250.93	-89.46	-1,103.31	-2,923.77	2,389.01	2,102.81	286.20	8.347		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,237.33	7,237.33	64.88	250.93	-89.48	-1,103.31	-2,923.77	2,290.98	2,004.42	286.56	7.995		
9,100.00	7,239.52	7,237.52	7,237.52	67.27	250.94	-89.50	-1,103.31	-2,923.77	2,193.13	1,906.14	286.99	7.642		
9,200.00	7,239.70	7,237.70	7,237.70	69.69	250.94	-89.53	-1,103.31	-2,923.77	2,095.47	1,807.99	287.49	7.289		
9,300.00	7,239.89	7,237.89	7,237.89	72.15	250.95	-89.55	-1,103.31	-2,923.77	1,998.05	1,709.99	288.06	6.936		
9,400.00	7,240.07	7,238.07	7,238.07	74.63	250.96	-89.57	-1,103.31	-2,923.77	1,900.90	1,612.16	288.74	6.583		
9,500.00	7,240.26	7,238.26	7,238.26	77.14	250.96	-89.60	-1,103.31	-2,923.77	1,804.06	1,514.52	289.54	6.231		
9,600.00	7,240.45	7,238.45	7,238.45	79.68	250.97	-89.62	-1,103.31	-2,923.77	1,707.58	1,417.10	290.48	5.879		
9,700.00	7,240.63	7,238.63	7,238.63	82.23	250.98	-89.64	-1,103.31	-2,923.77	1,611.54	1,319.95	291.59	5.527		
9,800.00	7,240.82	7,238.82	7,238.82	84.81	250.98	-89.67	-1,103.31	-2,923.77	1,516.00	1,223.09	292.91	5.176		
9,900.00	7,241.01	7,239.01	7,239.01	87.40	250.99	-89.69	-1,103.31	-2,923.77	1,421.08	1,126.59	294.49	4.826		
10,000.00	7,241.19	7,239.19	7,239.19	90.01	251.00	-89.71	-1,103.31	-2,923.77	1,326.90	1,030.52	296.38	4.477		
10,100.00	7,241.38	7,239.38	7,239.38	92.64	251.00	-89.74	-1,103.31	-2,923.77	1,233.64	934.99	298.65	4.131		
10,200.00	7,241.56	7,239.56	7,239.56	95.28	251.01	-89.76	-1,103.31	-2,923.77	1,141.53	840.13	301.40	3.787		
10,300.00	7,241.75	7,239.75	7,239.75	97.93	251.02	-89.78	-1,103.31	-2,923.77	1,050.85	746.12	304.74	3.448		
10,400.00	7,241.94	7,239.94	7,239.94	100.59	251.02	-89.80	-1,103.31	-2,923.77	962.03	653.23	308.80	3.115		
10,500.00	7,242.12	7,240.12	7,240.12	103.26	251.03	-89.83	-1,103.31	-2,923.77	875.62	561.87	313.75	2.791		
10,600.00	7,242.31	7,240.31	7,240.31	105.95	251.04	-89.85	-1,103.31	-2,923.77	792.41	472.64	319.78	2.478		
10,700.00	7,242.50	7,240.50	7,240.50	108.64	251.04	-89.87	-1,103.31	-2,923.77	713.53	386.46	327.07	2.182		
10,800.00	7,242.68	7,240.68	7,240.68	111.34	251.05	-89.90	-1,103.31	-2,923.77	640.57	304.83	335.74	1.908		
10,900.00	7,242.87	7,240.87	7,240.87	114.05	251.06	-89.92	-1,103.31	-2,923.77	575.79	230.11	345.68	1.666		
11,000.00	7,243.05	7,241.05	7,241.05	116.76	251.06	-89.94	-1,103.31	-2,923.77	522.25	165.98	356.27	1.466 Level 3		
11,100.00	7,243.24	7,241.24	7,241.24	119.49	251.07	-89.97	-1,103.31	-2,923.77	483.68	117.61	366.08	1.321 Level 3		
11,200.00	7,243.43	7,241.43	7,241.43	122.22	251.07	-89.99	-1,103.31	-2,923.77	463.85	90.92	372.93	1.244 Level 2		
11,243.97	7,243.51	7,241.51	7,241.51	123.42	251.08	-90.00	-1,103.31	-2,923.77	461.76	87.28	374.48	1.233 Level 2, CC, ES, SF		
11,300.00	7,243.61	7,241.61	7,241.61	124.95	251.08	-90.01	-1,103.31	-2,923.77	465.15	90.18	374.97	1.241 Level 2		
11,400.00	7,243.80	7,241.80	7,241.80	127.69	251.09	-90.04	-1,103.31	-2,923.77	487.41	115.43	371.98	1.310 Level 3		
11,500.00	7,243.99	7,241.99	7,241.99	130.44	251.09	-90.06	-1,103.31	-2,923.77	527.99	162.49	365.50	1.445 Level 3		
11,600.00	7,244.17	7,242.17	7,242.17	133.19	251.10	-90.08	-1,103.31	-2,923.77	583.08	225.54	357.54	1.631		
11,700.00	7,244.36	7,242.36	7,242.36	135.94	251.11	-90.11	-1,103.31	-2,923.77	648.99	299.46	349.53	1.857		
11,800.00	7,244.55	7,242.55	7,242.55	138.70	251.11	-90.13	-1,103.31	-2,923.77	722.77	380.56	342.21	2.112		
11,900.00	7,244.73	7,242.73	7,242.73	141.47	251.12	-90.15	-1,103.31	-2,923.77	802.25	466.44	335.81	2.389		
12,000.00	7,244.92	7,242.92	7,242.92	144.24	251.13	-90.17	-1,103.31	-2,923.77	885.89	555.56	330.34	2.682		
12,100.00	7,245.10	7,243.10	7,243.10	147.01	251.13	-90.20	-1,103.31	-2,923.77	972.63	646.94	325.69	2.986		
12,200.00	7,245.29	7,243.29	7,243.29	149.78	251.14	-90.22	-1,103.31	-2,923.77	1,061.71	739.96	321.75	3.300		
12,300.00	7,245.48	7,243.48	7,243.48	152.56	251.15	-90.24	-1,103.31	-2,923.77	1,152.57	834.17	318.40	3.620		
12,400.00	7,245.66	7,243.66	7,243.66	155.34	251.15	-90.27	-1,103.31	-2,923.77	1,244.84	929.30	315.54	3.945		
12,500.00	7,245.85	7,243.85	7,243.85	158.12	251.16	-90.29	-1,103.31	-2,923.77	1,338.22	1,025.13	313.09	4.274		
12,600.00	7,246.04	7,244.04	7,244.04	160.91	251.17	-90.31	-1,103.31	-2,923.77	1,432.50	1,121.52	310.97	4.606		
12,700.00	7,246.22	7,244.22	7,244.22	163.70	251.17	-90.34	-1,103.31	-2,923.77	1,527.50	1,218.36	309.14	4.941		
12,800.00	7,246.41	7,244.41	7,244.41	166.49	251.18	-90.36	-1,103.31	-2,923.77	1,623.10	1,315.56	307.54	5.278		
12,900.00	7,246.59	7,244.59	7,244.59	169.28	251.19	-90.38	-1,103.31	-2,923.77	1,719.20	1,413.07	306.14	5.616		
13,000.00	7,246.78	7,244.78	7,244.78	172.08	251.19	-90.41	-1,103.31	-2,923.77	1,815.73	1,510.82	304.90	5.955		
13,100.00	7,246.97	7,244.97	7,244.97	174.88	251.20	-90.43	-1,103.31	-2,923.77	1,912.61	1,608.79	303.81	6.295		
13,200.00	7,247.15	7,245.15	7,245.15	177.68	251.20	-90.45	-1,103.31	-2,923.77	2,009.80	1,706.95	302.85	6.636		
13,300.00	7,247.34	7,245.34	7,245.34	180.48	251.21	-90.48	-1,103.31	-2,923.77	2,107.25	1,805.26	301.99	6.978		
13,400.00	7,247.53	7,245.53	7,245.53	183.28	251.22	-90.50	-1,103.31	-2,923.77	2,204.92	1,903.71	301.22	7.320		
13,500.00	7,247.71	7,245.71	7,245.71	186.09	251.22	-90.52	-1,103.31	-2,923.77	2,302.80	2,002.28	300.52	7.663		
13,600.00	7,247.90	7,245.90	7,245.90	188.90	251.23	-90.54	-1,103.31	-2,923.77	2,400.85	2,100.95	299.90	8.005		
13,700.00	7,248.08	7,246.08	7,246.08	191.70	251.24	-90.57	-1,103.31	-2,923.77	2,499.06	2,199.71	299.35	8.348		
13,800.00	7,248.27	7,246.27	7,246.27	194.52	251.24	-90.59	-1,103.31	-2,923.77	2,597.40	2,298.56	298.84	8.692		
13,900.00	7,248.46	7,246.46	7,246.46	197.33	251.25	-90.61	-1,103.31	-2,923.77	2,695.87	2,397.48	298.38	9.035		
14,000.00	7,248.64	7,246.64	7,246.64	200.14	251.26	-90.64	-1,103.31	-2,923.77	2,794.44	2,496.47	297.97	9.378		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,246.83	7,246.83	202.95	251.26	-90.66	-1,103.31	-2,923.77	2,893.12	2,595.52	297.60	9.722		
14,200.00	7,249.02	7,247.02	7,247.02	205.77	251.27	-90.68	-1,103.31	-2,923.77	2,991.88	2,694.62	297.26	10.065		
14,300.00	7,249.20	7,247.20	7,247.20	208.59	251.28	-90.71	-1,103.31	-2,923.77	3,090.72	2,793.77	296.95	10.408		
14,400.00	7,249.39	7,247.39	7,247.39	211.41	251.28	-90.73	-1,103.31	-2,923.77	3,189.63	2,892.97	296.66	10.752		
14,500.00	7,249.58	7,247.58	7,247.58	214.23	251.29	-90.75	-1,103.31	-2,923.77	3,288.61	2,992.20	296.41	11.095		
14,600.00	7,249.76	7,247.76	7,247.76	217.05	251.30	-90.78	-1,103.31	-2,923.77	3,387.65	3,091.47	296.17	11.438		
14,700.00	7,249.95	7,247.95	7,247.95	219.87	251.30	-90.80	-1,103.31	-2,923.77	3,486.74	3,190.78	295.96	11.781		
14,800.00	7,250.13	7,248.13	7,248.13	222.69	251.31	-90.82	-1,103.31	-2,923.77	3,585.88	3,290.12	295.77	12.124		
14,900.00	7,250.32	7,248.32	7,248.32	225.51	251.32	-90.85	-1,103.31	-2,923.77	3,685.07	3,389.48	295.59	12.467		
15,000.00	7,250.51	7,248.51	7,248.51	228.34	251.32	-90.87	-1,103.31	-2,923.77	3,784.30	3,488.88	295.43	12.810		
15,100.00	7,250.69	7,248.69	7,248.69	231.16	251.33	-90.89	-1,103.31	-2,923.77	3,883.58	3,588.29	295.28	13.152		
15,200.00	7,250.88	7,248.88	7,248.88	233.99	251.33	-90.91	-1,103.31	-2,923.77	3,982.88	3,687.73	295.15	13.494		
15,300.00	7,251.07	7,249.07	7,249.07	236.82	251.34	-90.94	-1,103.31	-2,923.77	4,082.23	3,787.19	295.03	13.837		
15,400.00	7,251.25	7,249.25	7,249.25	239.65	251.35	-90.96	-1,103.31	-2,923.77	4,181.60	3,886.68	294.92	14.179		
15,500.00	7,251.44	7,249.44	7,249.44	242.47	251.35	-90.98	-1,103.31	-2,923.77	4,281.00	3,986.17	294.83	14.520		
15,600.00	7,251.62	7,249.62	7,249.62	245.30	251.36	-91.01	-1,103.31	-2,923.77	4,380.43	4,085.69	294.74	14.862		
15,700.00	7,251.81	7,249.81	7,249.81	248.13	251.37	-91.03	-1,103.31	-2,923.77	4,479.89	4,185.22	294.66	15.203		
15,800.00	7,252.00	7,250.00	7,250.00	250.97	251.37	-91.05	-1,103.31	-2,923.77	4,579.37	4,284.77	294.60	15.545		
15,900.00	7,252.18	7,250.18	7,250.18	253.80	251.38	-91.08	-1,103.31	-2,923.77	4,678.87	4,384.33	294.54	15.886		
16,000.00	7,252.37	7,250.37	7,250.37	256.63	251.39	-91.10	-1,103.31	-2,923.77	4,778.39	4,483.91	294.48	16.226		
16,100.00	7,252.56	7,250.56	7,250.56	259.46	251.39	-91.12	-1,103.31	-2,923.77	4,877.93	4,583.49	294.44	16.567		
16,200.00	7,252.74	7,250.74	7,250.74	262.30	251.40	-91.15	-1,103.31	-2,923.77	4,977.49	4,683.09	294.40	16.907		
16,300.00	7,252.93	7,250.93	7,250.93	265.13	251.41	-91.17	-1,103.31	-2,923.77	5,077.07	4,782.70	294.37	17.247		
16,400.00	7,253.11	7,251.11	7,251.11	267.96	251.41	-91.19	-1,103.31	-2,923.77	5,176.66	4,882.32	294.34	17.587		
16,500.00	7,253.30	7,251.30	7,251.30	270.80	251.42	-91.21	-1,103.31	-2,923.77	5,276.27	4,981.95	294.32	17.927		
16,600.00	7,253.49	7,251.49	7,251.49	273.64	251.43	-91.24	-1,103.31	-2,923.77	5,375.89	5,081.59	294.31	18.266		
16,700.00	7,253.67	7,251.67	7,251.67	276.47	251.43	-91.26	-1,103.31	-2,923.77	5,475.53	5,181.23	294.30	18.605		
16,800.00	7,253.86	7,251.86	7,251.86	279.31	251.44	-91.28	-1,103.31	-2,923.77	5,575.18	5,280.89	294.29	18.944		
16,900.00	7,254.05	7,252.05	7,252.05	282.15	251.45	-91.31	-1,103.31	-2,923.77	5,674.84	5,380.55	294.29	19.283		
17,000.00	7,254.23	7,252.23	7,252.23	284.98	251.45	-91.33	-1,103.31	-2,923.77	5,774.52	5,480.22	294.30	19.621		
17,100.00	7,254.42	7,252.42	7,252.42	287.82	251.46	-91.35	-1,103.31	-2,923.77	5,874.20	5,579.90	294.30	19.960		
17,200.00	7,254.61	7,252.61	7,252.61	290.66	251.46	-91.38	-1,103.31	-2,923.77	5,973.90	5,679.58	294.32	20.297		
17,300.00	7,254.79	7,252.79	7,252.79	293.50	251.47	-91.40	-1,103.31	-2,923.77	6,073.60	5,779.27	294.33	20.635		
17,400.00	7,254.98	7,252.98	7,252.98	296.34	251.48	-91.42	-1,103.31	-2,923.77	6,173.32	5,878.96	294.35	20.972		
17,500.00	7,255.16	7,253.16	7,253.16	299.18	251.48	-91.45	-1,103.31	-2,923.77	6,273.04	5,978.66	294.38	21.310		
17,600.00	7,255.35	7,253.35	7,253.35	302.02	251.49	-91.47	-1,103.31	-2,923.77	6,372.77	6,078.37	294.40	21.646		
17,700.00	7,255.54	7,253.54	7,253.54	304.86	251.50	-91.49	-1,103.31	-2,923.77	6,472.51	6,178.08	294.43	21.983		
17,800.00	7,255.72	7,253.72	7,253.72	307.70	251.50	-91.52	-1,103.31	-2,923.77	6,572.26	6,277.80	294.47	22.319		
17,900.00	7,255.91	7,253.91	7,253.91	310.54	251.51	-91.54	-1,103.31	-2,923.77	6,672.02	6,377.52	294.50	22.655		
18,000.00	7,256.10	7,254.10	7,254.10	313.39	251.52	-91.56	-1,103.31	-2,923.77	6,771.78	6,477.24	294.54	22.991		
18,100.00	7,256.28	7,254.28	7,254.28	316.23	251.52	-91.58	-1,103.31	-2,923.77	6,871.55	6,576.97	294.58	23.326		
18,200.00	7,256.47	7,254.47	7,254.47	319.07	251.53	-91.61	-1,103.31	-2,923.77	6,971.33	6,676.71	294.63	23.662		
18,300.00	7,256.65	7,254.65	7,254.65	321.91	251.54	-91.63	-1,103.31	-2,923.77	7,071.11	6,776.44	294.67	23.997		
18,400.00	7,256.84	7,254.84	7,254.84	324.76	251.54	-91.65	-1,103.31	-2,923.77	7,170.90	6,876.18	294.72	24.331		
18,500.00	7,257.03	7,255.03	7,255.03	327.60	251.55	-91.68	-1,103.31	-2,923.77	7,270.70	6,975.93	294.77	24.665		
18,600.00	7,257.21	7,255.21	7,255.21	330.44	251.56	-91.70	-1,103.31	-2,923.77	7,370.50	7,075.67	294.83	24.999		
18,700.00	7,257.40	7,255.40	7,255.40	333.29	251.56	-91.72	-1,103.31	-2,923.77	7,470.31	7,175.42	294.88	25.333		
18,800.00	7,257.59	7,255.59	7,255.59	336.13	251.57	-91.75	-1,103.31	-2,923.77	7,570.12	7,275.18	294.94	25.667		
18,900.00	7,257.77	7,255.77	7,255.77	338.98	251.58	-91.77	-1,103.31	-2,923.77	7,669.93	7,374.93	295.00	26.000		
19,000.00	7,257.96	7,255.96	7,255.96	341.82	251.58	-91.79	-1,103.31	-2,923.77	7,769.75	7,474.69	295.06	26.333		
19,022.43	7,258.00	7,256.00	7,256.00	342.46	251.58	-91.80	-1,103.31	-2,923.77	7,792.14	7,497.06	295.08	26.407		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-176.91	-3,983.68	-215.00	3,989.54					
100.00	100.00	78.00	78.00	3.28	3.55	-176.91	-3,983.68	-215.00	3,989.48	3,982.64	6.84	583.593		
200.00	200.00	178.00	178.00	3.34	5.54	-176.91	-3,983.68	-215.00	3,989.48	3,980.60	8.88	449.260		
300.00	300.00	278.00	278.00	3.44	8.61	-176.91	-3,983.68	-215.00	3,989.48	3,977.43	12.05	330.975		
400.00	399.98	377.98	377.98	3.60	11.91	67.12	-3,983.68	-215.00	3,988.80	3,973.29	15.51	257.204		
500.00	499.84	477.84	477.84	3.79	15.29	67.23	-3,983.68	-215.00	3,986.77	3,967.68	19.08	208.910		
600.00	599.45	577.45	577.45	4.03	18.70	67.41	-3,983.68	-215.00	3,983.40	3,960.67	22.73	175.243		
700.00	698.70	676.70	676.70	4.30	22.12	67.66	-3,983.68	-215.00	3,978.71	3,952.29	26.42	150.577		
800.00	797.47	775.47	775.47	4.61	25.54	67.97	-3,983.68	-215.00	3,972.74	3,942.59	30.15	131.786		
900.00	895.62	873.62	873.62	4.96	28.94	68.36	-3,983.68	-215.00	3,965.53	3,931.64	33.89	117.022		
939.50	934.20	912.20	912.20	5.10	30.28	68.53	-3,983.68	-215.00	3,962.35	3,926.98	35.37	112.030		
1,000.00	993.20	971.20	971.20	5.33	32.33	68.71	-3,983.68	-215.00	3,957.36	3,919.72	37.64	105.126		
1,100.00	1,090.72	1,068.72	1,068.72	5.73	35.71	69.00	-3,983.68	-215.00	3,949.20	3,907.77	41.43	95.333		
1,200.00	1,188.24	1,166.24	1,166.24	6.15	39.11	69.29	-3,983.68	-215.00	3,941.14	3,895.91	45.23	87.139		
1,300.00	1,285.76	1,263.76	1,263.76	6.59	42.50	69.59	-3,983.68	-215.00	3,933.20	3,884.15	49.05	80.190		
1,400.00	1,383.28	1,361.28	1,361.28	7.04	45.89	69.89	-3,983.68	-215.00	3,925.36	3,872.48	52.88	74.227		
1,500.00	1,480.80	1,458.80	1,458.80	7.50	49.29	70.18	-3,983.68	-215.00	3,917.63	3,860.90	56.73	69.058		
1,600.00	1,578.31	1,556.31	1,556.31	7.96	52.69	70.48	-3,983.68	-215.00	3,910.01	3,849.43	60.59	64.537		
1,700.00	1,675.83	1,653.83	1,653.83	8.44	56.09	70.78	-3,983.68	-215.00	3,902.50	3,838.05	64.45	60.551		
1,800.00	1,773.35	1,751.35	1,751.35	8.92	59.48	71.08	-3,983.68	-215.00	3,895.11	3,826.79	68.32	57.012		
1,900.00	1,870.87	1,848.87	1,848.87	9.40	62.88	71.38	-3,983.68	-215.00	3,887.82	3,815.63	72.20	53.849		
2,000.00	1,968.39	1,946.39	1,946.39	9.89	66.28	71.69	-3,983.68	-215.00	3,880.65	3,804.57	76.08	51.007		
2,100.00	2,065.91	2,043.91	2,043.91	10.39	69.68	71.99	-3,983.68	-215.00	3,873.59	3,793.63	79.97	48.439		
2,200.00	2,163.43	2,141.43	2,141.43	10.88	73.09	72.30	-3,983.68	-215.00	3,866.65	3,782.79	83.86	46.109		
2,300.00	2,260.95	2,238.95	2,238.95	11.38	76.49	72.60	-3,983.68	-215.00	3,859.82	3,772.07	87.75	43.985		
2,400.00	2,358.46	2,336.46	2,336.46	11.89	79.89	72.91	-3,983.68	-215.00	3,853.10	3,761.45	91.65	42.041		
2,500.00	2,455.98	2,433.98	2,433.98	12.39	83.29	73.22	-3,983.68	-215.00	3,846.51	3,750.95	95.55	40.256		
2,600.00	2,553.50	2,531.50	2,531.50	12.89	86.69	73.53	-3,983.68	-215.00	3,840.02	3,740.57	99.45	38.611		
2,700.00	2,651.02	2,629.02	2,629.02	13.40	90.09	73.84	-3,983.68	-215.00	3,833.66	3,730.30	103.36	37.090		
2,800.00	2,748.54	2,726.54	2,726.54	13.91	93.50	74.15	-3,983.68	-215.00	3,827.41	3,720.14	107.27	35.681		
2,900.00	2,846.06	2,824.06	2,824.06	14.42	96.90	74.46	-3,983.68	-215.00	3,821.28	3,710.10	111.18	34.371		
3,000.00	2,943.58	2,921.58	2,921.58	14.93	100.30	74.77	-3,983.68	-215.00	3,815.27	3,700.18	115.09	33.151		
3,100.00	3,041.10	3,019.10	3,019.10	15.45	103.70	75.08	-3,983.68	-215.00	3,809.37	3,690.37	119.00	32.012		
3,200.00	3,138.61	3,116.61	3,116.61	15.96	107.11	75.40	-3,983.68	-215.00	3,803.60	3,680.69	122.91	30.945		
3,300.00	3,236.13	3,214.13	3,214.13	16.47	110.51	75.72	-3,983.68	-215.00	3,797.95	3,671.12	126.83	29.945		
3,400.00	3,333.65	3,311.65	3,311.65	16.99	113.91	76.03	-3,983.68	-215.00	3,792.41	3,661.67	130.75	29.006		
3,500.00	3,431.17	3,409.17	3,409.17	17.50	117.31	76.35	-3,983.68	-215.00	3,787.00	3,652.34	134.66	28.122		
3,600.00	3,528.69	3,506.69	3,506.69	18.02	120.72	76.67	-3,983.68	-215.00	3,781.72	3,643.13	138.58	27.289		
3,700.00	3,626.21	3,604.21	3,604.21	18.54	124.12	76.99	-3,983.68	-215.00	3,776.55	3,634.05	142.50	26.502		
3,800.00	3,723.73	3,701.73	3,701.73	19.06	127.52	77.31	-3,983.68	-215.00	3,771.51	3,625.08	146.42	25.758		
3,900.00	3,821.25	3,800.75	3,799.25	19.57	130.98	77.63	-3,983.68	-215.00	3,766.59	3,616.19	150.40	25.044		
4,000.00	3,918.77	3,903.24	3,896.77	20.09	134.56	77.95	-3,983.68	-215.00	3,761.79	3,607.30	154.49	24.349		
4,100.00	4,016.28	4,005.72	3,994.28	20.61	138.13	78.27	-3,983.68	-215.00	3,757.12	3,598.53	158.59	23.691		
4,200.00	4,113.80	4,108.20	4,091.80	21.13	141.71	78.59	-3,983.68	-215.00	3,752.57	3,589.88	162.69	23.066		
4,300.00	4,211.32	4,189.32	4,189.32	21.65	144.54	78.92	-3,983.68	-215.00	3,748.15	3,582.11	166.04	22.574		
4,400.00	4,308.84	4,286.84	4,286.84	22.17	147.94	79.24	-3,983.68	-215.00	3,743.85	3,573.89	169.96	22.027		
4,500.00	4,406.36	4,384.36	4,384.36	22.69	151.35	79.57	-3,983.68	-215.00	3,739.68	3,565.79	173.89	21.506		
4,600.00	4,503.88	4,481.88	4,481.88	23.21	154.75	79.89	-3,983.68	-215.00	3,735.64	3,557.82	177.82	21.008		
4,700.00	4,601.40	4,579.40	4,579.40	23.73	158.16	80.22	-3,983.68	-215.00	3,731.72	3,549.98	181.74	20.533		
4,800.00	4,698.92	4,676.92	4,676.92	24.26	161.56	80.55	-3,983.68	-215.00	3,727.93	3,542.26	185.67	20.078		
4,900.00	4,796.43	4,774.43	4,774.43	24.78	164.96	80.88	-3,983.68	-215.00	3,724.27	3,534.67	189.60	19.643		
5,000.00	4,893.95	4,871.95	4,871.95	25.30	168.37	81.20	-3,983.68	-215.00	3,720.74	3,527.21	193.53	19.226		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,969.47	4,969.47	25.82	171.77	81.53	-3,983.68	-215.00	3,717.33	3,519.87	197.46	18.826		
5,200.00	5,088.99	5,066.99	5,066.99	26.34	175.17	81.86	-3,983.68	-215.00	3,714.05	3,512.67	201.39	18.443		
5,300.00	5,186.51	5,164.51	5,164.51	26.87	178.58	82.19	-3,983.68	-215.00	3,710.91	3,505.59	205.32	18.074		
5,400.00	5,284.03	5,262.03	5,262.03	27.39	181.98	82.52	-3,983.68	-215.00	3,707.89	3,498.64	209.25	17.720		
5,500.00	5,381.55	5,359.55	5,359.55	27.91	185.39	82.85	-3,983.68	-215.00	3,705.00	3,491.83	213.18	17.380		
5,600.00	5,479.07	5,457.07	5,457.07	28.43	188.79	83.19	-3,983.68	-215.00	3,702.24	3,485.14	217.11	17.053		
5,700.00	5,576.58	5,554.58	5,554.58	28.96	192.19	83.52	-3,983.68	-215.00	3,699.62	3,478.58	221.04	16.737		
5,800.00	5,674.10	5,652.10	5,652.10	29.48	195.60	83.85	-3,983.68	-215.00	3,697.12	3,472.15	224.97	16.434		
5,900.00	5,771.62	5,749.62	5,749.62	30.00	199.00	84.18	-3,983.68	-215.00	3,694.76	3,465.85	228.90	16.141		
6,000.00	5,869.14	5,847.14	5,847.14	30.53	202.41	84.52	-3,983.68	-215.00	3,692.52	3,459.69	232.83	15.859		
6,100.00	5,966.66	5,944.66	5,944.66	31.05	205.81	84.85	-3,983.68	-215.00	3,690.42	3,453.65	236.76	15.587		
6,200.00	6,064.18	6,042.18	6,042.18	31.58	209.21	85.18	-3,983.68	-215.00	3,688.45	3,447.75	240.70	15.324		
6,300.00	6,161.70	6,139.70	6,139.70	32.10	212.62	85.52	-3,983.68	-215.00	3,686.61	3,441.98	244.63	15.070		
6,400.00	6,259.22	6,237.22	6,237.22	32.62	216.02	85.85	-3,983.68	-215.00	3,684.90	3,436.34	248.56	14.825		
6,500.00	6,356.74	6,334.74	6,334.74	33.15	219.43	86.19	-3,983.68	-215.00	3,683.33	3,430.83	252.49	14.588		
6,600.00	6,454.25	6,432.25	6,432.25	33.67	222.83	86.52	-3,983.68	-215.00	3,681.88	3,425.46	256.43	14.358		
6,623.48	6,477.15	6,455.15	6,455.15	33.80	223.63	86.60	-3,983.68	-215.00	3,681.56	3,424.21	257.35	14.306		
6,650.00	6,503.12	6,481.12	6,481.12	33.93	224.53	81.05	-3,983.68	-215.00	3,681.00	3,422.60	258.39	14.246		
6,700.00	6,552.50	6,530.50	6,530.50	34.16	226.26	62.08	-3,983.68	-215.00	3,678.77	3,418.42	260.35	14.130		
6,750.00	6,602.21	6,580.21	6,580.21	34.36	227.99	23.79	-3,983.68	-215.00	3,675.03	3,412.74	262.29	14.012		
6,800.00	6,651.92	6,629.92	6,629.92	34.54	229.73	-15.57	-3,983.68	-215.00	3,669.78	3,405.59	264.19	13.890		
6,850.00	6,701.33	6,679.33	6,679.33	34.70	231.45	-35.84	-3,983.68	-215.00	3,663.07	3,396.98	266.08	13.767		
6,900.00	6,750.14	6,728.14	6,728.14	34.86	233.16	-46.13	-3,983.68	-215.00	3,654.93	3,386.98	267.95	13.640		
6,950.00	6,798.04	6,776.04	6,776.04	35.02	234.83	-52.38	-3,983.68	-215.00	3,645.44	3,375.66	269.79	13.512		
7,000.00	6,844.75	6,822.75	6,822.75	35.19	236.46	-56.82	-3,983.68	-215.00	3,634.70	3,363.10	271.60	13.383		
7,050.00	6,889.97	6,867.97	6,867.97	35.37	238.04	-60.36	-3,983.68	-215.00	3,622.80	3,349.44	273.36	13.253		
7,100.00	6,933.42	6,911.42	6,911.42	35.57	239.55	-63.40	-3,983.68	-215.00	3,609.88	3,334.80	275.08	13.123		
7,150.00	6,974.83	6,952.83	6,952.83	35.79	241.00	-66.17	-3,983.68	-215.00	3,596.07	3,319.31	276.75	12.994		
7,200.00	7,013.96	7,008.04	6,991.96	36.02	242.93	-68.77	-3,983.68	-215.00	3,581.51	3,302.59	278.92	12.841		
7,250.00	7,050.56	7,028.56	7,028.56	36.28	243.64	-71.27	-3,983.68	-215.00	3,566.38	3,286.47	279.91	12.741		
7,300.00	7,084.39	7,062.39	7,062.39	36.57	244.83	-73.67	-3,983.68	-215.00	3,550.83	3,269.45	281.38	12.619		
7,350.00	7,115.27	7,106.73	7,093.27	36.89	246.37	-76.00	-3,983.68	-215.00	3,535.04	3,251.79	283.26	12.480		
7,400.00	7,142.99	7,120.99	7,120.99	37.25	246.87	-78.23	-3,983.68	-215.00	3,519.19	3,235.08	284.12	12.386		
7,450.00	7,167.38	7,145.38	7,145.38	37.65	247.72	-80.36	-3,983.68	-215.00	3,503.45	3,218.09	285.36	12.277		
7,500.00	7,188.30	7,166.30	7,166.30	38.08	248.45	-82.37	-3,983.68	-215.00	3,488.00	3,201.47	286.53	12.173		
7,550.00	7,205.61	7,183.61	7,183.61	38.55	249.06	-84.24	-3,983.68	-215.00	3,472.98	3,185.38	287.61	12.075		
7,600.00	7,219.20	7,202.80	7,197.20	39.06	249.73	-85.95	-3,983.68	-215.00	3,458.57	3,169.78	288.79	11.976		
7,650.00	7,229.00	7,207.00	7,207.00	39.61	249.87	-87.48	-3,983.68	-215.00	3,444.89	3,155.41	289.48	11.900		
7,700.00	7,234.95	7,212.95	7,212.95	40.18	250.08	-88.83	-3,983.68	-215.00	3,432.08	3,141.82	290.26	11.824		
7,750.07	7,237.00	7,215.00	7,215.00	40.78	250.15	-89.98	-3,983.68	-215.00	3,420.23	3,129.31	290.93	11.756		
7,800.00	7,237.09	7,215.09	7,215.09	41.41	250.16	-89.98	-3,983.68	-215.00	3,409.28	3,117.72	291.56	11.693		
7,900.00	7,237.28	7,215.28	7,215.28	42.79	250.16	-89.98	-3,983.68	-215.00	3,389.46	3,096.51	292.95	11.570		
8,000.00	7,237.47	7,215.47	7,215.47	44.31	250.17	-89.98	-3,983.68	-215.00	3,372.48	3,078.00	294.48	11.452		
8,100.00	7,237.65	7,215.65	7,215.65	45.97	250.17	-89.99	-3,983.68	-215.00	3,358.40	3,062.25	296.15	11.340		
8,200.00	7,237.84	7,215.84	7,215.84	47.75	250.18	-89.99	-3,983.68	-215.00	3,347.24	3,049.31	297.93	11.235		
8,300.00	7,238.02	7,216.02	7,216.02	49.63	250.19	-89.99	-3,983.68	-215.00	3,339.05	3,039.24	299.81	11.137		
8,400.00	7,238.21	7,216.21	7,216.21	51.61	250.19	-90.00	-3,983.68	-215.00	3,333.84	3,032.08	301.76	11.048		
8,500.00	7,238.40	7,216.40	7,216.40	53.66	250.20	-90.00	-3,983.68	-215.00	3,331.62	3,027.84	303.77	10.967		
8,523.96	7,238.44	7,216.44	7,216.44	54.17	250.20	-90.00	-3,983.68	-215.00	3,331.53	3,027.26	304.27	10.949 CC		
8,600.00	7,238.58	7,216.58	7,216.58	55.79	250.21	-90.00	-3,983.68	-215.00	3,332.40	3,026.56	305.83	10.896 ES		
8,700.00	7,238.77	7,216.77	7,216.77	57.99	250.21	-90.01	-3,983.68	-215.00	3,336.18	3,028.26	307.92	10.834		
8,800.00	7,238.96	7,216.96	7,216.96	60.24	250.22	-90.01	-3,983.68	-215.00	3,342.95	3,032.92	310.03	10.783		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,217.14	7,217.14	62.54	250.23	-90.01	-3,983.68	-215.00	3,352.69	3,040.55	312.13	10.741		
9,000.00	7,239.33	7,217.33	7,217.33	64.88	250.23	-90.02	-3,983.68	-215.00	3,365.37	3,051.14	314.23	10.710		
9,100.00	7,239.52	7,217.52	7,217.52	67.27	250.24	-90.02	-3,983.68	-215.00	3,380.96	3,064.66	316.30	10.689		
9,200.00	7,239.70	7,217.70	7,217.70	69.69	250.25	-90.02	-3,983.68	-215.00	3,399.43	3,081.08	318.35	10.678		
9,300.00	7,239.89	7,217.89	7,217.89	72.15	250.25	-90.02	-3,983.68	-215.00	3,420.72	3,100.37	320.35	10.678 SF		
9,400.00	7,240.07	7,218.07	7,218.07	74.63	250.26	-90.03	-3,983.68	-215.00	3,444.78	3,122.47	322.31	10.688		
9,500.00	7,240.26	7,218.26	7,218.26	77.14	250.27	-90.03	-3,983.68	-215.00	3,471.56	3,147.34	324.22	10.707		
9,600.00	7,240.45	7,218.45	7,218.45	79.68	250.27	-90.03	-3,983.68	-215.00	3,500.99	3,174.92	326.07	10.737		
9,700.00	7,240.63	7,218.63	7,218.63	82.23	250.28	-90.04	-3,983.68	-215.00	3,533.01	3,205.15	327.86	10.776		
9,800.00	7,240.82	7,218.82	7,218.82	84.81	250.29	-90.04	-3,983.68	-215.00	3,567.54	3,237.96	329.59	10.824		
9,900.00	7,241.01	7,219.01	7,219.01	87.40	250.29	-90.04	-3,983.68	-215.00	3,604.52	3,273.27	331.25	10.882		
10,000.00	7,241.19	7,219.19	7,219.19	90.01	250.30	-90.05	-3,983.68	-215.00	3,643.87	3,311.03	332.84	10.948		
10,100.00	7,241.38	7,219.38	7,219.38	92.64	250.30	-90.05	-3,983.68	-215.00	3,685.51	3,351.15	334.36	11.022		
10,200.00	7,241.56	7,219.56	7,219.56	95.28	250.31	-90.05	-3,983.68	-215.00	3,729.37	3,393.55	335.82	11.105		
10,300.00	7,241.75	7,219.75	7,219.75	97.93	250.32	-90.06	-3,983.68	-215.00	3,775.37	3,438.16	337.21	11.196		
10,400.00	7,241.94	7,219.94	7,219.94	100.59	250.32	-90.06	-3,983.68	-215.00	3,823.43	3,484.90	338.53	11.294		
10,500.00	7,242.12	7,220.12	7,220.12	103.26	250.33	-90.06	-3,983.68	-215.00	3,873.48	3,533.70	339.78	11.400		
10,600.00	7,242.31	7,220.31	7,220.31	105.95	250.34	-90.07	-3,983.68	-215.00	3,925.43	3,584.46	340.97	11.513		
10,700.00	7,242.50	7,220.50	7,220.50	108.64	250.34	-90.07	-3,983.68	-215.00	3,979.22	3,637.13	342.09	11.632		
10,800.00	7,242.68	7,220.68	7,220.68	111.34	250.35	-90.07	-3,983.68	-215.00	4,034.78	3,691.62	343.16	11.758		
10,900.00	7,242.87	7,220.87	7,220.87	114.05	250.36	-90.08	-3,983.68	-215.00	4,092.02	3,747.86	344.17	11.890		
11,000.00	7,243.05	7,221.05	7,221.05	116.76	250.36	-90.08	-3,983.68	-215.00	4,150.88	3,805.77	345.12	12.028		
11,100.00	7,243.24	7,221.24	7,221.24	119.49	250.37	-90.08	-3,983.68	-215.00	4,211.30	3,865.29	346.01	12.171		
11,200.00	7,243.43	7,221.43	7,221.43	122.22	250.38	-90.09	-3,983.68	-215.00	4,273.20	3,926.35	346.85	12.320		
11,300.00	7,243.61	7,221.61	7,221.61	124.95	250.38	-90.09	-3,983.68	-215.00	4,336.53	3,988.88	347.65	12.474		
11,400.00	7,243.80	7,221.80	7,221.80	127.69	250.39	-90.09	-3,983.68	-215.00	4,401.21	4,052.82	348.40	12.633		
11,500.00	7,243.99	7,221.99	7,221.99	130.44	250.40	-90.10	-3,983.68	-215.00	4,467.20	4,118.10	349.10	12.796		
11,600.00	7,244.17	7,222.17	7,222.17	133.19	250.40	-90.10	-3,983.68	-215.00	4,534.43	4,184.67	349.76	12.964		
11,700.00	7,244.36	7,222.36	7,222.36	135.94	250.41	-90.10	-3,983.68	-215.00	4,602.86	4,252.48	350.38	13.137		
11,800.00	7,244.55	7,222.55	7,222.55	138.70	250.42	-90.10	-3,983.68	-215.00	4,672.42	4,321.46	350.96	13.313		
11,900.00	7,244.73	7,222.73	7,222.73	141.47	250.42	-90.11	-3,983.68	-215.00	4,743.07	4,391.56	351.51	13.493		
12,000.00	7,244.92	7,222.92	7,222.92	144.24	250.43	-90.11	-3,983.68	-215.00	4,814.76	4,462.74	352.02	13.677		
12,100.00	7,245.10	7,223.10	7,223.10	147.01	250.44	-90.11	-3,983.68	-215.00	4,887.44	4,534.94	352.50	13.865		
12,200.00	7,245.29	7,223.29	7,223.29	149.78	250.44	-90.12	-3,983.68	-215.00	4,961.08	4,608.13	352.95	14.056		
12,300.00	7,245.48	7,223.48	7,223.48	152.56	250.45	-90.12	-3,983.68	-215.00	5,035.62	4,682.25	353.38	14.250		
12,400.00	7,245.66	7,223.66	7,223.66	155.34	250.45	-90.12	-3,983.68	-215.00	5,111.04	4,757.27	353.77	14.447		
12,500.00	7,245.85	7,223.85	7,223.85	158.12	250.46	-90.13	-3,983.68	-215.00	5,187.29	4,833.14	354.15	14.647		
12,600.00	7,246.04	7,224.04	7,224.04	160.91	250.47	-90.13	-3,983.68	-215.00	5,264.33	4,909.83	354.49	14.850		
12,700.00	7,246.22	7,224.22	7,224.22	163.70	250.47	-90.13	-3,983.68	-215.00	5,342.13	4,987.31	354.82	15.056		
12,800.00	7,246.41	7,224.41	7,224.41	166.49	250.48	-90.14	-3,983.68	-215.00	5,420.66	5,065.53	355.13	15.264		
12,900.00	7,246.59	7,224.59	7,224.59	169.28	250.49	-90.14	-3,983.68	-215.00	5,499.89	5,144.47	355.41	15.475		
13,000.00	7,246.78	7,224.78	7,224.78	172.08	250.49	-90.14	-3,983.68	-215.00	5,579.78	5,224.10	355.68	15.688		
13,100.00	7,246.97	7,224.97	7,224.97	174.88	250.50	-90.15	-3,983.68	-215.00	5,660.31	5,304.38	355.93	15.903		
13,200.00	7,247.15	7,225.15	7,225.15	177.68	250.51	-90.15	-3,983.68	-215.00	5,741.46	5,385.29	356.17	16.120		
13,300.00	7,247.34	7,225.34	7,225.34	180.48	250.51	-90.15	-3,983.68	-215.00	5,823.19	5,466.80	356.39	16.339		
13,400.00	7,247.53	7,225.53	7,225.53	183.28	250.52	-90.16	-3,983.68	-215.00	5,905.49	5,548.89	356.60	16.561		
13,500.00	7,247.71	7,225.71	7,225.71	186.09	250.53	-90.16	-3,983.68	-215.00	5,988.32	5,631.53	356.79	16.784		
13,600.00	7,247.90	7,225.90	7,225.90	188.90	250.53	-90.16	-3,983.68	-215.00	6,071.67	5,714.70	356.97	17.009		
13,700.00	7,248.08	7,226.08	7,226.08	191.70	250.54	-90.17	-3,983.68	-215.00	6,155.52	5,798.37	357.14	17.235		
13,800.00	7,248.27	7,226.27	7,226.27	194.52	250.55	-90.17	-3,983.68	-215.00	6,239.84	5,882.53	357.30	17.464		
13,900.00	7,248.46	7,226.46	7,226.46	197.33	250.55	-90.17	-3,983.68	-215.00	6,324.62	5,967.16	357.45	17.693		
14,000.00	7,248.64	7,226.64	7,226.64	200.14	250.56	-90.18	-3,983.68	-215.00	6,409.84	6,052.24	357.60	17.925		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,226.83	7,226.83	202.95	250.57	-90.18	-3,983.68	-215.00	6,495.48	6,137.75	357.73	18.158		
14,200.00	7,249.02	7,227.02	7,227.02	205.77	250.57	-90.18	-3,983.68	-215.00	6,581.52	6,223.67	357.85	18.392		
14,300.00	7,249.20	7,227.20	7,227.20	208.59	250.58	-90.19	-3,983.68	-215.00	6,667.95	6,309.99	357.97	18.627		
14,400.00	7,249.39	7,227.39	7,227.39	211.41	250.58	-90.19	-3,983.68	-215.00	6,754.76	6,396.69	358.08	18.864		
14,500.00	7,249.58	7,227.58	7,227.58	214.23	250.59	-90.19	-3,983.68	-215.00	6,841.93	6,483.75	358.18	19.102		
14,600.00	7,249.76	7,227.76	7,227.76	217.05	250.60	-90.19	-3,983.68	-215.00	6,929.45	6,571.17	358.28	19.341		
14,700.00	7,249.95	7,227.95	7,227.95	219.87	250.60	-90.20	-3,983.68	-215.00	7,017.29	6,658.93	358.37	19.581		
14,800.00	7,250.13	7,228.13	7,228.13	222.69	250.61	-90.20	-3,983.68	-215.00	7,105.46	6,747.01	358.45	19.823		
14,900.00	7,250.32	7,228.32	7,228.32	225.51	250.62	-90.20	-3,983.68	-215.00	7,193.94	6,835.41	358.53	20.065		
15,000.00	7,250.51	7,228.51	7,228.51	228.34	250.62	-90.21	-3,983.68	-215.00	7,282.72	6,924.11	358.61	20.308		
15,100.00	7,250.69	7,228.69	7,228.69	231.16	250.63	-90.21	-3,983.68	-215.00	7,371.79	7,013.11	358.68	20.553		
15,200.00	7,250.88	7,228.88	7,228.88	233.99	250.64	-90.21	-3,983.68	-215.00	7,461.13	7,102.38	358.74	20.798		
15,300.00	7,251.07	7,229.07	7,229.07	236.82	250.64	-90.22	-3,983.68	-215.00	7,550.74	7,191.93	358.81	21.044		
15,400.00	7,251.25	7,229.25	7,229.25	239.65	250.65	-90.22	-3,983.68	-215.00	7,640.61	7,281.74	358.87	21.291		
15,500.00	7,251.44	7,229.44	7,229.44	242.47	250.66	-90.22	-3,983.68	-215.00	7,730.72	7,371.80	358.92	21.539		
15,600.00	7,251.62	7,229.62	7,229.62	245.30	250.66	-90.23	-3,983.68	-215.00	7,821.08	7,462.10	358.98	21.787		
15,700.00	7,251.81	7,229.81	7,229.81	248.13	250.67	-90.23	-3,983.68	-215.00	7,911.67	7,552.64	359.03	22.036		
15,800.00	7,252.00	7,230.00	7,230.00	250.97	250.68	-90.23	-3,983.68	-215.00	8,002.48	7,643.40	359.07	22.286		
15,900.00	7,252.18	7,230.18	7,230.18	253.80	250.68	-90.24	-3,983.68	-215.00	8,093.51	7,734.39	359.12	22.537		
16,000.00	7,252.37	7,230.37	7,230.37	256.63	250.69	-90.24	-3,983.68	-215.00	8,184.75	7,825.58	359.16	22.789		
16,100.00	7,252.56	7,230.56	7,230.56	259.46	250.70	-90.24	-3,983.68	-215.00	8,276.19	7,916.99	359.20	23.041		
16,200.00	7,252.74	7,230.74	7,230.74	262.30	250.70	-90.25	-3,983.68	-215.00	8,367.82	8,008.58	359.24	23.293		
16,300.00	7,252.93	7,230.93	7,230.93	265.13	250.71	-90.25	-3,983.68	-215.00	8,459.65	8,100.37	359.28	23.546		
16,400.00	7,253.11	7,231.11	7,231.11	267.96	250.71	-90.25	-3,983.68	-215.00	8,551.66	8,192.35	359.31	23.800		
16,500.00	7,253.30	7,231.30	7,231.30	270.80	250.72	-90.26	-3,983.68	-215.00	8,643.85	8,284.50	359.34	24.054		
16,600.00	7,253.49	7,231.49	7,231.49	273.64	250.73	-90.26	-3,983.68	-215.00	8,736.21	8,376.83	359.38	24.309		
16,700.00	7,253.67	7,231.67	7,231.67	276.47	250.73	-90.26	-3,983.68	-215.00	8,828.73	8,469.32	359.41	24.565		
16,800.00	7,253.86	7,231.86	7,231.86	279.31	250.74	-90.27	-3,983.68	-215.00	8,921.42	8,561.98	359.44	24.821		
16,900.00	7,254.05	7,232.05	7,232.05	282.15	250.75	-90.27	-3,983.68	-215.00	9,014.26	8,654.80	359.46	25.077		
17,000.00	7,254.23	7,232.23	7,232.23	284.98	250.75	-90.27	-3,983.68	-215.00	9,107.25	8,747.76	359.49	25.334		
17,100.00	7,254.42	7,232.42	7,232.42	287.82	250.76	-90.27	-3,983.68	-215.00	9,200.40	8,840.88	359.52	25.591		
17,200.00	7,254.61	7,232.61	7,232.61	290.66	250.77	-90.28	-3,983.68	-215.00	9,293.68	8,934.14	359.54	25.849		
17,300.00	7,254.79	7,232.79	7,232.79	293.50	250.77	-90.28	-3,983.68	-215.00	9,387.10	9,027.54	359.57	26.107		
17,400.00	7,254.98	7,232.98	7,232.98	296.34	250.78	-90.28	-3,983.68	-215.00	9,480.66	9,121.07	359.59	26.365		
17,500.00	7,255.16	7,233.16	7,233.16	299.18	250.79	-90.29	-3,983.68	-215.00	9,574.35	9,214.73	359.61	26.624		
17,600.00	7,255.35	7,233.35	7,233.35	302.02	250.79	-90.29	-3,983.68	-215.00	9,668.16	9,308.52	359.64	26.883		
17,700.00	7,255.54	7,233.54	7,233.54	304.86	250.80	-90.29	-3,983.68	-215.00	9,762.10	9,402.44	359.66	27.143		
17,800.00	7,255.72	7,233.72	7,233.72	307.70	250.81	-90.30	-3,983.68	-215.00	9,856.15	9,496.47	359.68	27.402		
17,900.00	7,255.91	7,233.91	7,233.91	310.54	250.81	-90.30	-3,983.68	-215.00	9,950.32	9,590.62	359.70	27.663		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-71.31	1,484.20	-4,386.45	4,630.75					
100.00	100.00	140.00	140.00	3.28	4.54	-71.31	1,484.20	-4,386.45	4,630.75	4,622.92	7.83	591.659		
200.00	200.00	240.00	240.00	3.34	7.40	-71.31	1,484.20	-4,386.45	4,630.75	4,620.01	10.74	431.304		
300.00	300.00	340.00	340.00	3.44	10.64	-71.31	1,484.20	-4,386.45	4,630.75	4,616.66	14.09	328.727		
400.00	399.98	439.98	439.98	3.60	14.00	172.69	1,484.20	-4,386.45	4,632.48	4,614.88	17.60	263.181		
500.00	499.84	539.84	539.84	3.79	17.41	172.69	1,484.20	-4,386.45	4,637.67	4,616.46	21.21	218.698		
600.00	599.45	639.45	639.45	4.03	20.84	172.68	1,484.20	-4,386.45	4,646.31	4,621.44	24.87	186.837		
700.00	698.70	738.70	738.70	4.30	24.27	172.67	1,484.20	-4,386.45	4,658.40	4,629.83	28.57	163.063		
800.00	797.47	837.47	837.47	4.61	27.69	172.65	1,484.20	-4,386.45	4,673.92	4,641.63	32.29	144.746		
900.00	895.62	935.62	935.62	4.96	31.09	172.63	1,484.20	-4,386.45	4,692.85	4,656.82	36.02	130.271		
939.50	934.20	974.20	974.20	5.10	32.43	172.62	1,484.20	-4,386.45	4,701.26	4,663.76	37.50	125.359		
1,000.00	993.20	1,033.20	1,033.20	5.33	34.48	172.64	1,484.20	-4,386.45	4,714.55	4,674.79	39.76	118.570		
1,100.00	1,090.72	1,130.72	1,130.72	5.73	37.87	172.68	1,484.20	-4,386.45	4,736.51	4,693.00	43.51	108.862		
1,200.00	1,188.24	1,228.24	1,228.24	6.15	41.26	172.71	1,484.20	-4,386.45	4,758.48	4,711.20	47.27	100.656		
1,300.00	1,285.76	1,325.76	1,325.76	6.59	44.66	172.75	1,484.20	-4,386.45	4,780.45	4,729.39	51.05	93.633		
1,400.00	1,383.28	1,423.28	1,423.28	7.04	48.05	172.78	1,484.20	-4,386.45	4,802.42	4,747.57	54.85	87.560		
1,500.00	1,480.80	1,520.80	1,520.80	7.50	51.45	172.81	1,484.20	-4,386.45	4,824.39	4,765.74	58.65	82.258		
1,600.00	1,578.31	1,618.31	1,618.31	7.96	54.85	172.84	1,484.20	-4,386.45	4,846.36	4,783.90	62.46	77.591		
1,700.00	1,675.83	1,715.83	1,715.83	8.44	58.25	172.88	1,484.20	-4,386.45	4,868.34	4,802.06	66.28	73.453		
1,800.00	1,773.35	1,813.35	1,813.35	8.92	61.65	172.91	1,484.20	-4,386.45	4,890.31	4,820.21	70.10	69.760		
1,900.00	1,870.87	1,910.87	1,910.87	9.40	65.05	172.94	1,484.20	-4,386.45	4,912.29	4,838.36	73.93	66.445		
2,000.00	1,968.39	2,008.39	2,008.39	9.89	68.45	172.97	1,484.20	-4,386.45	4,934.27	4,856.51	77.76	63.452		
2,100.00	2,065.91	2,105.91	2,105.91	10.39	71.85	173.00	1,484.20	-4,386.45	4,956.25	4,874.65	81.60	60.738		
2,200.00	2,163.43	2,203.43	2,203.43	10.88	75.25	173.04	1,484.20	-4,386.45	4,978.23	4,892.79	85.44	58.265		
2,300.00	2,260.95	2,300.95	2,300.95	11.38	78.65	173.07	1,484.20	-4,386.45	5,000.21	4,910.93	89.28	56.003		
2,400.00	2,358.46	2,401.54	2,398.46	11.89	82.16	173.10	1,484.20	-4,386.45	5,022.20	4,928.96	93.24	53.865		
2,500.00	2,455.98	2,504.02	2,495.98	12.39	85.73	173.13	1,484.20	-4,386.45	5,044.18	4,946.93	97.26	51.864		
2,600.00	2,553.50	2,606.50	2,593.50	12.89	89.31	173.16	1,484.20	-4,386.45	5,066.17	4,964.89	101.28	50.020		
2,700.00	2,651.02	2,708.98	2,691.02	13.40	92.88	173.19	1,484.20	-4,386.45	5,088.16	4,982.85	105.31	48.317		
2,800.00	2,748.54	2,788.54	2,788.54	13.91	95.66	173.22	1,484.20	-4,386.45	5,110.15	5,001.62	108.53	47.083		
2,900.00	2,846.06	2,886.06	2,886.06	14.42	99.06	173.24	1,484.20	-4,386.45	5,132.14	5,019.75	112.39	45.664		
3,000.00	2,943.58	2,983.58	2,983.58	14.93	102.46	173.27	1,484.20	-4,386.45	5,154.13	5,037.89	116.25	44.339		
3,100.00	3,041.10	3,081.10	3,081.10	15.45	105.87	173.30	1,484.20	-4,386.45	5,176.13	5,056.02	120.10	43.098		
3,200.00	3,138.61	3,178.61	3,178.61	15.96	109.27	173.33	1,484.20	-4,386.45	5,198.12	5,074.16	123.96	41.934		
3,300.00	3,236.13	3,276.13	3,276.13	16.47	112.67	173.36	1,484.20	-4,386.45	5,220.12	5,092.30	127.82	40.840		
3,400.00	3,333.65	3,373.65	3,373.65	16.99	116.08	173.39	1,484.20	-4,386.45	5,242.11	5,110.43	131.68	39.809		
3,500.00	3,431.17	3,471.17	3,471.17	17.50	119.48	173.41	1,484.20	-4,386.45	5,264.11	5,128.57	135.54	38.838		
3,600.00	3,528.69	3,568.69	3,568.69	18.02	122.88	173.44	1,484.20	-4,386.45	5,286.11	5,146.71	139.40	37.920		
3,700.00	3,626.21	3,666.21	3,666.21	18.54	126.28	173.47	1,484.20	-4,386.45	5,308.11	5,164.85	143.27	37.051		
3,800.00	3,723.73	3,763.73	3,763.73	19.06	129.69	173.50	1,484.20	-4,386.45	5,330.11	5,182.99	147.13	36.228		
3,900.00	3,821.25	3,861.25	3,861.25	19.57	133.09	173.52	1,484.20	-4,386.45	5,352.12	5,201.12	150.99	35.446		
4,000.00	3,918.77	3,958.77	3,958.77	20.09	136.49	173.55	1,484.20	-4,386.45	5,374.12	5,219.26	154.86	34.704		
4,100.00	4,016.28	4,056.28	4,056.28	20.61	139.90	173.58	1,484.20	-4,386.45	5,396.13	5,237.40	158.72	33.998		
4,200.00	4,113.80	4,153.80	4,153.80	21.13	143.30	173.60	1,484.20	-4,386.45	5,418.13	5,255.55	162.59	33.325		
4,300.00	4,211.32	4,251.32	4,251.32	21.65	146.71	173.63	1,484.20	-4,386.45	5,440.14	5,273.69	166.45	32.683		
4,400.00	4,308.84	4,348.84	4,348.84	22.17	150.11	173.65	1,484.20	-4,386.45	5,462.15	5,291.83	170.32	32.070		
4,500.00	4,406.36	4,446.36	4,446.36	22.69	153.51	173.68	1,484.20	-4,386.45	5,484.16	5,309.97	174.18	31.485		
4,600.00	4,503.88	4,543.88	4,543.88	23.21	156.92	173.71	1,484.20	-4,386.45	5,506.17	5,328.12	178.05	30.925		
4,700.00	4,601.40	4,641.40	4,641.40	23.73	160.32	173.73	1,484.20	-4,386.45	5,528.18	5,346.26	181.92	30.388		
4,800.00	4,698.92	4,738.92	4,738.92	24.26	163.72	173.76	1,484.20	-4,386.45	5,550.19	5,364.41	185.78	29.874		
4,900.00	4,796.43	4,836.43	4,836.43	24.78	167.13	173.78	1,484.20	-4,386.45	5,572.20	5,382.55	189.65	29.381		
5,000.00	4,893.95	4,933.95	4,933.95	25.30	170.53	173.80	1,484.20	-4,386.45	5,594.22	5,400.70	193.52	28.908		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	5,031.47	5,031.47	25.82	173.93	173.83	1,484.20	-4,386.45	5,616.23	5,418.85	197.39	28.453		
5,200.00	5,088.99	5,128.99	5,128.99	26.34	177.34	173.85	1,484.20	-4,386.45	5,638.25	5,436.99	201.26	28.015		
5,300.00	5,186.51	5,226.51	5,226.51	26.87	180.74	173.88	1,484.20	-4,386.45	5,660.27	5,455.14	205.12	27.594		
5,400.00	5,284.03	5,324.03	5,324.03	27.39	184.15	173.90	1,484.20	-4,386.45	5,682.29	5,473.29	208.99	27.189		
5,500.00	5,381.55	5,421.55	5,421.55	27.91	187.55	173.92	1,484.20	-4,386.45	5,704.30	5,491.44	212.86	26.798		
5,600.00	5,479.07	5,519.07	5,519.07	28.43	190.95	173.95	1,484.20	-4,386.45	5,726.32	5,509.59	216.73	26.421		
5,700.00	5,576.58	5,616.58	5,616.58	28.96	194.36	173.97	1,484.20	-4,386.45	5,748.35	5,527.74	220.60	26.058		
5,800.00	5,674.10	5,714.10	5,714.10	29.48	197.76	173.99	1,484.20	-4,386.45	5,770.37	5,545.90	224.47	25.707		
5,900.00	5,771.62	5,811.62	5,811.62	30.00	201.17	174.02	1,484.20	-4,386.45	5,792.39	5,564.05	228.34	25.367		
6,000.00	5,869.14	5,909.14	5,909.14	30.53	204.57	174.04	1,484.20	-4,386.45	5,814.41	5,582.20	232.21	25.040		
6,100.00	5,966.66	6,006.66	6,006.66	31.05	207.97	174.06	1,484.20	-4,386.45	5,836.44	5,600.36	236.08	24.722		
6,200.00	6,064.18	6,104.18	6,104.18	31.58	211.38	174.09	1,484.20	-4,386.45	5,858.46	5,618.51	239.95	24.415		
6,300.00	6,161.70	6,201.70	6,201.70	32.10	214.78	174.11	1,484.20	-4,386.45	5,880.49	5,636.67	243.82	24.118		
6,400.00	6,259.22	6,300.78	6,299.22	32.62	218.24	174.13	1,484.20	-4,386.45	5,902.52	5,654.77	247.75	23.825		
6,500.00	6,356.74	6,403.27	6,396.74	33.15	221.82	174.15	1,484.20	-4,386.45	5,924.54	5,672.75	251.79	23.530		
6,600.00	6,454.25	6,505.75	6,494.25	33.67	225.39	174.17	1,484.20	-4,386.45	5,946.57	5,690.74	255.83	23.244		
6,623.48	6,477.15	6,517.15	6,517.15	33.80	225.79	174.18	1,484.20	-4,386.45	5,951.74	5,695.40	256.34	23.218		
6,650.00	6,503.12	6,543.12	6,543.12	33.93	226.70	168.42	1,484.20	-4,386.45	5,957.08	5,699.71	257.37	23.146		
6,700.00	6,552.50	6,607.50	6,592.50	34.16	228.95	149.32	1,484.20	-4,386.45	5,964.37	5,704.53	259.84	22.954		
6,750.00	6,602.21	6,642.21	6,642.21	34.36	230.16	111.21	1,484.20	-4,386.45	5,967.99	5,706.73	261.26	22.843		
6,800.00	6,651.92	6,708.08	6,691.92	34.54	232.46	72.34	1,484.20	-4,386.45	5,967.93	5,704.19	263.75	22.628		
6,850.00	6,701.33	6,741.33	6,741.33	34.70	233.62	52.87	1,484.20	-4,386.45	5,964.20	5,699.13	265.07	22.500		
6,900.00	6,750.14	6,809.86	6,790.14	34.86	236.01	43.69	1,484.20	-4,386.45	5,956.81	5,689.21	267.61	22.259		
6,950.00	6,798.04	6,838.04	6,838.04	35.02	236.99	38.87	1,484.20	-4,386.45	5,945.83	5,677.11	268.72	22.126		
7,000.00	6,844.75	6,884.75	6,884.75	35.19	238.62	36.18	1,484.20	-4,386.45	5,931.32	5,660.86	270.46	21.931		
7,050.00	6,889.97	6,929.97	6,929.97	35.37	240.20	34.73	1,484.20	-4,386.45	5,913.39	5,641.26	272.13	21.730		
7,100.00	6,933.42	6,973.42	6,973.42	35.57	241.72	34.10	1,484.20	-4,386.45	5,892.14	5,618.41	273.72	21.526		
7,150.00	6,974.83	7,014.83	7,014.83	35.79	243.16	34.10	1,484.20	-4,386.45	5,867.71	5,592.48	275.23	21.319		
7,200.00	7,013.96	7,053.96	7,053.96	36.02	244.53	34.63	1,484.20	-4,386.45	5,840.27	5,563.62	276.64	21.111		
7,250.00	7,050.56	7,109.44	7,090.56	36.28	246.47	35.65	1,484.20	-4,386.45	5,809.98	5,531.36	278.62	20.853		
7,300.00	7,084.39	7,124.40	7,124.40	36.57	246.99	37.19	1,484.20	-4,386.45	5,777.05	5,497.88	279.18	20.693		
7,350.00	7,115.27	7,155.27	7,155.27	36.89	248.07	39.28	1,484.20	-4,386.45	5,741.69	5,461.40	280.29	20.485		
7,400.00	7,142.99	7,182.99	7,182.99	37.25	249.03	42.01	1,484.20	-4,386.45	5,704.11	5,422.82	281.28	20.279		
7,450.00	7,167.38	7,207.38	7,207.38	37.65	249.89	45.50	1,484.20	-4,386.45	5,664.55	5,382.38	282.17	20.075		
7,500.00	7,188.30	7,228.30	7,228.30	38.08	250.62	49.89	1,484.20	-4,386.45	5,623.27	5,340.33	282.94	19.874		
7,550.00	7,205.61	7,245.61	7,245.61	38.55	251.22	55.36	1,484.20	-4,386.45	5,580.52	5,296.93	283.59	19.678		
7,600.00	7,219.20	7,259.20	7,259.20	39.06	251.70	62.08	1,484.20	-4,386.45	5,536.57	5,252.44	284.13	19.486		
7,650.00	7,229.00	7,269.00	7,269.00	39.61	252.04	70.15	1,484.20	-4,386.45	5,491.69	5,207.14	284.55	19.300		
7,700.00	7,234.95	7,274.95	7,274.95	40.18	252.24	79.50	1,484.20	-4,386.45	5,446.17	5,161.32	284.85	19.119		
7,750.07	7,237.00	7,277.00	7,277.00	40.78	252.32	89.75	1,484.20	-4,386.45	5,400.21	5,115.18	285.03	18.946		
7,800.00	7,237.09	7,277.09	7,277.09	41.41	252.32	89.75	1,484.20	-4,386.45	5,354.32	5,069.16	285.16	18.776		
7,900.00	7,237.28	7,277.28	7,277.28	42.79	252.33	89.76	1,484.20	-4,386.45	5,262.64	4,977.18	285.47	18.435		
8,000.00	7,237.47	7,277.47	7,277.47	44.31	252.33	89.76	1,484.20	-4,386.45	5,171.27	4,885.44	285.83	18.092		
8,100.00	7,237.65	7,277.65	7,277.65	45.97	252.34	89.77	1,484.20	-4,386.45	5,080.23	4,793.97	286.26	17.747		
8,200.00	7,237.84	7,277.84	7,277.84	47.75	252.35	89.77	1,484.20	-4,386.45	4,989.53	4,702.76	286.76	17.399		
8,300.00	7,238.02	7,278.02	7,278.02	49.63	252.35	89.78	1,484.20	-4,386.45	4,899.19	4,611.85	287.34	17.050		
8,400.00	7,238.21	7,278.21	7,278.21	51.61	252.36	89.78	1,484.20	-4,386.45	4,809.23	4,521.24	287.99	16.699		
8,500.00	7,238.40	7,278.40	7,278.40	53.66	252.37	89.79	1,484.20	-4,386.45	4,719.68	4,430.95	288.72	16.347		
8,600.00	7,238.58	7,278.58	7,278.58	55.79	252.37	89.79	1,484.20	-4,386.45	4,630.55	4,341.01	289.54	15.993		
8,700.00	7,238.77	7,278.77	7,278.77	57.99	252.38	89.80	1,484.20	-4,386.45	4,541.88	4,251.42	290.45	15.637		
8,800.00	7,238.96	7,278.96	7,278.96	60.24	252.38	89.80	1,484.20	-4,386.45	4,453.68	4,162.23	291.46	15.281		
8,900.00	7,239.14	7,279.14	7,279.14	62.54	252.39	89.81	1,484.20	-4,386.45	4,366.00	4,073.44	292.56	14.924		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,279.33	7,279.33	64.88	252.40	89.81	1,484.20	-4,386.45	4,278.86	3,985.10	293.76	14.566		
9,100.00	7,239.52	7,279.52	7,279.52	67.27	252.40	89.82	1,484.20	-4,386.45	4,192.29	3,897.22	295.07	14.208		
9,200.00	7,239.70	7,279.70	7,279.70	69.69	252.41	89.82	1,484.20	-4,386.45	4,106.33	3,809.84	296.49	13.850		
9,300.00	7,239.89	7,279.89	7,279.89	72.15	252.42	89.83	1,484.20	-4,386.45	4,021.02	3,723.00	298.02	13.493		
9,400.00	7,240.07	7,280.07	7,280.07	74.63	252.42	89.83	1,484.20	-4,386.45	3,936.40	3,636.74	299.66	13.136		
9,500.00	7,240.26	7,280.26	7,280.26	77.14	252.43	89.84	1,484.20	-4,386.45	3,852.52	3,551.09	301.43	12.781		
9,600.00	7,240.45	7,280.45	7,280.45	79.68	252.44	89.84	1,484.20	-4,386.45	3,769.42	3,466.10	303.32	12.427		
9,700.00	7,240.63	7,280.63	7,280.63	82.23	252.44	89.85	1,484.20	-4,386.45	3,687.16	3,381.83	305.33	12.076		
9,800.00	7,240.82	7,280.82	7,280.82	84.81	252.45	89.85	1,484.20	-4,386.45	3,605.81	3,298.32	307.48	11.727		
9,900.00	7,241.01	7,281.01	7,281.01	87.40	252.46	89.86	1,484.20	-4,386.45	3,525.41	3,215.64	309.76	11.381		
10,000.00	7,241.19	7,281.19	7,281.19	90.01	252.46	89.86	1,484.20	-4,386.45	3,446.03	3,133.85	312.18	11.038		
10,100.00	7,241.38	7,281.38	7,281.38	92.64	252.47	89.87	1,484.20	-4,386.45	3,367.76	3,053.01	314.75	10.700		
10,200.00	7,241.56	7,281.56	7,281.56	95.28	252.48	89.87	1,484.20	-4,386.45	3,290.66	2,973.21	317.45	10.366		
10,300.00	7,241.75	7,281.75	7,281.75	97.93	252.48	89.88	1,484.20	-4,386.45	3,214.82	2,894.52	320.31	10.037		
10,400.00	7,241.94	7,281.94	7,281.94	100.59	252.49	89.88	1,484.20	-4,386.45	3,140.34	2,817.03	323.31	9.713		
10,500.00	7,242.12	7,282.12	7,282.12	103.26	252.50	89.89	1,484.20	-4,386.45	3,067.31	2,740.84	326.47	9.395		
10,600.00	7,242.31	7,282.31	7,282.31	105.95	252.50	89.89	1,484.20	-4,386.45	2,995.84	2,666.06	329.78	9.084		
10,700.00	7,242.50	7,282.50	7,282.50	108.64	252.51	89.90	1,484.20	-4,386.45	2,926.04	2,592.79	333.25	8.780		
10,800.00	7,242.68	7,282.68	7,282.68	111.34	252.51	89.90	1,484.20	-4,386.45	2,858.03	2,521.16	336.87	8.484		
10,900.00	7,242.87	7,282.87	7,282.87	114.05	252.52	89.91	1,484.20	-4,386.45	2,791.96	2,451.31	340.64	8.196		
11,000.00	7,243.05	7,283.05	7,283.05	116.76	252.53	89.91	1,484.20	-4,386.45	2,727.94	2,383.38	344.56	7.917		
11,100.00	7,243.24	7,283.24	7,283.24	119.49	252.53	89.92	1,484.20	-4,386.45	2,666.14	2,317.52	348.62	7.648		
11,200.00	7,243.43	7,283.43	7,283.43	122.22	252.54	89.92	1,484.20	-4,386.45	2,606.72	2,253.90	352.82	7.388		
11,300.00	7,243.61	7,283.61	7,283.61	124.95	252.55	89.93	1,484.20	-4,386.45	2,549.83	2,192.69	357.13	7.140		
11,400.00	7,243.80	7,283.80	7,283.80	127.69	252.55	89.93	1,484.20	-4,386.45	2,495.65	2,134.09	361.56	6.902		
11,500.00	7,243.99	7,283.99	7,283.99	130.44	252.56	89.94	1,484.20	-4,386.45	2,444.37	2,078.29	366.07	6.677		
11,600.00	7,244.17	7,284.17	7,284.17	133.19	252.57	89.94	1,484.20	-4,386.45	2,396.16	2,025.50	370.66	6.465		
11,700.00	7,244.36	7,284.36	7,284.36	135.94	252.57	89.95	1,484.20	-4,386.45	2,351.22	1,975.93	375.29	6.265		
11,800.00	7,244.55	7,284.55	7,284.55	138.70	252.58	89.95	1,484.20	-4,386.45	2,309.74	1,929.80	379.93	6.079		
11,900.00	7,244.73	7,284.73	7,284.73	141.47	252.59	89.96	1,484.20	-4,386.45	2,271.90	1,887.34	384.56	5.908		
12,000.00	7,244.92	7,284.92	7,284.92	144.24	252.59	89.96	1,484.20	-4,386.45	2,237.90	1,848.76	389.13	5.751		
12,100.00	7,245.10	7,285.10	7,285.10	147.01	252.60	89.97	1,484.20	-4,386.45	2,207.90	1,814.29	393.62	5.609		
12,200.00	7,245.29	7,285.29	7,285.29	149.78	252.61	89.97	1,484.20	-4,386.45	2,182.08	1,784.12	397.96	5.483		
12,300.00	7,245.48	7,285.48	7,285.48	152.56	252.61	89.98	1,484.20	-4,386.45	2,160.59	1,758.45	402.14	5.373		
12,400.00	7,245.66	7,285.66	7,285.66	155.34	252.62	89.98	1,484.20	-4,386.45	2,143.55	1,737.45	406.10	5.278		
12,500.00	7,245.85	7,285.85	7,285.85	158.12	252.63	89.99	1,484.20	-4,386.45	2,131.07	1,721.26	409.80	5.200		
12,600.00	7,246.04	7,286.04	7,286.04	160.91	252.63	89.99	1,484.20	-4,386.45	2,123.23	1,710.01	413.22	5.138		
12,700.00	7,246.22	7,286.22	7,286.22	163.70	252.64	90.00	1,484.20	-4,386.45	2,120.08	1,703.77	416.31	5.093		
12,716.74	7,246.25	7,286.25	7,286.25	164.17	252.64	90.00	1,484.20	-4,386.45	2,120.01	1,703.22	416.80	5.086 CC		
12,800.00	7,246.41	7,286.41	7,286.41	166.49	252.64	90.00	1,484.20	-4,386.45	2,121.65	1,702.59	419.06	5.063 ES		
12,900.00	7,246.59	7,286.59	7,286.59	169.28	252.65	90.01	1,484.20	-4,386.45	2,127.92	1,706.47	421.45	5.049 SF		
13,000.00	7,246.78	7,286.78	7,286.78	172.08	252.66	90.01	1,484.20	-4,386.45	2,138.85	1,715.38	423.47	5.051		
13,100.00	7,246.97	7,286.97	7,286.97	174.88	252.66	90.02	1,484.20	-4,386.45	2,154.38	1,729.26	425.12	5.068		
13,200.00	7,247.15	7,287.15	7,287.15	177.68	252.67	90.02	1,484.20	-4,386.45	2,174.40	1,748.00	426.39	5.100		
13,300.00	7,247.34	7,287.34	7,287.34	180.48	252.68	90.03	1,484.20	-4,386.45	2,198.78	1,771.47	427.31	5.146		
13,400.00	7,247.53	7,287.53	7,287.53	183.28	252.68	90.03	1,484.20	-4,386.45	2,227.40	1,799.51	427.89	5.206		
13,500.00	7,247.71	7,287.71	7,287.71	186.09	252.69	90.04	1,484.20	-4,386.45	2,260.08	1,831.93	428.15	5.279		
13,600.00	7,247.90	7,287.90	7,287.90	188.90	252.70	90.04	1,484.20	-4,386.45	2,296.65	1,868.54	428.11	5.365		
13,700.00	7,248.08	7,288.08	7,288.08	191.70	252.70	90.05	1,484.20	-4,386.45	2,336.93	1,909.12	427.81	5.462		
13,800.00	7,248.27	7,288.27	7,288.27	194.52	252.71	90.05	1,484.20	-4,386.45	2,380.74	1,953.46	427.28	5.572		
13,900.00	7,248.46	7,288.46	7,288.46	197.33	252.72	90.06	1,484.20	-4,386.45	2,427.87	2,001.34	426.53	5.692		
14,000.00	7,248.64	7,288.64	7,288.64	200.14	252.72	90.06	1,484.20	-4,386.45	2,478.14	2,052.54	425.60	5.823		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,288.83	7,288.83	202.95	252.73	90.07	1,484.20	-4,386.45	2,531.37	2,106.85	424.52	5.963		
14,200.00	7,249.02	7,289.02	7,289.02	205.77	252.74	90.07	1,484.20	-4,386.45	2,587.37	2,164.07	423.31	6.112		
14,300.00	7,249.20	7,289.20	7,289.20	208.59	252.74	90.08	1,484.20	-4,386.45	2,645.97	2,223.98	421.99	6.270		
14,400.00	7,249.39	7,289.39	7,289.39	211.41	252.75	90.08	1,484.20	-4,386.45	2,706.99	2,286.41	420.59	6.436		
14,500.00	7,249.58	7,289.58	7,289.58	214.23	252.76	90.09	1,484.20	-4,386.45	2,770.28	2,351.16	419.12	6.610		
14,600.00	7,249.76	7,289.76	7,289.76	217.05	252.76	90.09	1,484.20	-4,386.45	2,835.68	2,418.09	417.60	6.791		
14,700.00	7,249.95	7,289.95	7,289.95	219.87	252.77	90.10	1,484.20	-4,386.45	2,903.06	2,487.02	416.04	6.978		
14,800.00	7,250.13	7,309.87	7,290.13	222.69	253.46	90.10	1,484.20	-4,386.45	2,972.27	2,557.12	415.15	7.160		
14,900.00	7,250.32	7,309.68	7,290.32	225.51	253.46	90.11	1,484.20	-4,386.45	3,043.20	2,629.65	413.55	7.359		
15,000.00	7,250.51	7,309.49	7,290.51	228.34	253.45	90.11	1,484.20	-4,386.45	3,115.72	2,703.78	411.94	7.563		
15,100.00	7,250.69	7,309.31	7,290.69	231.16	253.44	90.12	1,484.20	-4,386.45	3,189.73	2,779.38	410.34	7.773		
15,200.00	7,250.88	7,309.12	7,290.88	233.99	253.44	90.13	1,484.20	-4,386.45	3,265.12	2,856.37	408.75	7.988		
15,300.00	7,251.07	7,308.93	7,291.07	236.82	253.43	90.13	1,484.20	-4,386.45	3,341.80	2,934.62	407.18	8.207		
15,400.00	7,251.25	7,308.75	7,291.25	239.65	253.42	90.14	1,484.20	-4,386.45	3,419.69	3,014.06	405.63	8.431		
15,500.00	7,251.44	7,308.56	7,291.44	242.47	253.42	90.14	1,484.20	-4,386.45	3,498.71	3,094.60	404.11	8.658		
15,600.00	7,251.62	7,308.38	7,291.62	245.30	253.41	90.15	1,484.20	-4,386.45	3,578.77	3,176.16	402.61	8.889		
15,700.00	7,251.81	7,308.19	7,291.81	248.13	253.41	90.15	1,484.20	-4,386.45	3,659.81	3,258.67	401.15	9.123		
15,800.00	7,252.00	7,308.00	7,292.00	250.97	253.40	90.16	1,484.20	-4,386.45	3,741.78	3,342.07	399.71	9.361		
15,900.00	7,252.18	7,307.82	7,292.18	253.80	253.39	90.16	1,484.20	-4,386.45	3,824.60	3,426.29	398.31	9.602		
16,000.00	7,252.37	7,307.63	7,292.37	256.63	253.39	90.17	1,484.20	-4,386.45	3,908.22	3,511.28	396.94	9.846		
16,100.00	7,252.56	7,307.44	7,292.56	259.46	253.38	90.17	1,484.20	-4,386.45	3,992.60	3,596.99	395.61	10.092		
16,200.00	7,252.74	7,307.26	7,292.74	262.30	253.37	90.18	1,484.20	-4,386.45	4,077.68	3,683.37	394.31	10.341		
16,300.00	7,252.93	7,307.07	7,292.93	265.13	253.37	90.18	1,484.20	-4,386.45	4,163.43	3,770.38	393.04	10.593		
16,400.00	7,253.11	7,306.89	7,293.11	267.96	253.36	90.19	1,484.20	-4,386.45	4,249.80	3,857.98	391.81	10.846		
16,500.00	7,253.30	7,306.70	7,293.30	270.80	253.35	90.19	1,484.20	-4,386.45	4,336.75	3,946.14	390.62	11.102		
16,600.00	7,253.49	7,306.51	7,293.49	273.64	253.35	90.20	1,484.20	-4,386.45	4,424.26	4,034.81	389.45	11.360		
16,700.00	7,253.67	7,306.33	7,293.67	276.47	253.34	90.20	1,484.20	-4,386.45	4,512.29	4,123.96	388.32	11.620		
16,800.00	7,253.86	7,306.14	7,293.86	279.31	253.33	90.21	1,484.20	-4,386.45	4,600.80	4,213.58	387.22	11.881		
16,900.00	7,254.05	7,305.95	7,294.05	282.15	253.33	90.21	1,484.20	-4,386.45	4,689.78	4,303.62	386.16	12.145		
17,000.00	7,254.23	7,305.77	7,294.23	284.98	253.32	90.22	1,484.20	-4,386.45	4,779.19	4,394.07	385.12	12.410		
17,100.00	7,254.42	7,305.58	7,294.42	287.82	253.31	90.22	1,484.20	-4,386.45	4,869.02	4,484.90	384.11	12.676		
17,200.00	7,254.61	7,305.40	7,294.61	290.66	253.31	90.23	1,484.20	-4,386.45	4,959.23	4,576.09	383.14	12.944		
17,300.00	7,254.79	7,305.21	7,294.79	293.50	253.30	90.23	1,484.20	-4,386.45	5,049.81	4,667.63	382.19	13.213		
17,400.00	7,254.98	7,305.02	7,294.98	296.34	253.29	90.24	1,484.20	-4,386.45	5,140.75	4,759.48	381.27	13.483		
17,500.00	7,255.16	7,304.84	7,295.16	299.18	253.29	90.24	1,484.20	-4,386.45	5,232.01	4,851.64	380.37	13.755		
17,600.00	7,255.35	7,304.65	7,295.35	302.02	253.28	90.25	1,484.20	-4,386.45	5,323.59	4,944.08	379.50	14.028		
17,700.00	7,255.54	7,304.46	7,295.54	304.86	253.28	90.25	1,484.20	-4,386.45	5,415.46	5,036.80	378.66	14.302		
17,800.00	7,255.72	7,304.28	7,295.72	307.70	253.27	90.26	1,484.20	-4,386.45	5,507.62	5,129.78	377.84	14.577		
17,900.00	7,255.91	7,304.09	7,295.91	310.54	253.26	90.26	1,484.20	-4,386.45	5,600.05	5,223.00	377.04	14.853		
18,000.00	7,256.10	7,303.90	7,296.10	313.39	253.26	90.27	1,484.20	-4,386.45	5,692.73	5,316.46	376.27	15.129		
18,100.00	7,256.28	7,303.72	7,296.28	316.23	253.25	90.27	1,484.20	-4,386.45	5,785.65	5,410.14	375.52	15.407		
18,200.00	7,256.47	7,303.53	7,296.47	319.07	253.24	90.28	1,484.20	-4,386.45	5,878.81	5,504.03	374.79	15.686		
18,300.00	7,256.65	7,303.35	7,296.65	321.91	253.24	90.28	1,484.20	-4,386.45	5,972.19	5,598.11	374.08	15.965		
18,400.00	7,256.84	7,303.16	7,296.84	324.76	253.23	90.29	1,484.20	-4,386.45	6,065.78	5,692.39	373.39	16.245		
18,500.00	7,257.03	7,302.97	7,297.03	327.60	253.22	90.29	1,484.20	-4,386.45	6,159.58	5,786.86	372.72	16.526		
18,600.00	7,257.21	7,302.79	7,297.21	330.44	253.22	90.30	1,484.20	-4,386.45	6,253.56	5,881.49	372.07	16.808		
18,700.00	7,257.40	7,302.60	7,297.40	333.29	253.21	90.30	1,484.20	-4,386.45	6,347.73	5,976.30	371.44	17.090		
18,800.00	7,257.59	7,302.41	7,297.59	336.13	253.20	90.31	1,484.20	-4,386.45	6,442.08	6,071.26	370.82	17.373		
18,900.00	7,257.77	7,302.23	7,297.77	338.98	253.20	90.31	1,484.20	-4,386.45	6,536.59	6,166.37	370.22	17.656		
19,000.00	7,257.96	7,302.04	7,297.96	341.82	253.19	90.32	1,484.20	-4,386.45	6,631.26	6,261.62	369.64	17.940		
19,022.43	7,258.00	7,302.00	7,298.00	342.46	253.19	90.32	1,484.20	-4,386.45	6,652.52	6,283.01	369.51	18.004		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	164.41	-3,661.62	1,021.33	3,801.39					
100.00	100.00	78.55	78.55	3.28	3.28	164.42	-3,661.87	1,021.01	3,801.58	3,795.01	6.57	578.686		
200.00	200.00	168.37	168.37	3.34	3.32	164.43	-3,662.60	1,020.27	3,802.14	3,795.48	6.66	571.039		
300.00	300.00	291.68	291.67	3.44	3.44	164.44	-3,663.29	1,020.02	3,802.65	3,795.76	6.89	552.112		
400.00	399.98	384.82	384.81	3.60	3.58	48.47	-3,663.35	1,020.21	3,801.61	3,794.43	7.18	529.439		
500.00	499.84	491.81	491.80	3.79	3.79	48.58	-3,663.45	1,020.56	3,798.32	3,790.74	7.58	500.907		
600.00	599.45	585.28	585.27	4.03	4.01	48.75	-3,663.44	1,021.00	3,792.67	3,784.64	8.04	471.979		
700.00	698.70	688.15	688.13	4.30	4.28	49.01	-3,663.56	1,021.32	3,784.81	3,776.23	8.58	441.119		
800.00	797.47	795.64	795.63	4.61	4.59	49.35	-3,663.46	1,021.73	3,774.53	3,765.33	9.20	410.398		
900.00	895.62	902.21	902.20	4.96	4.92	49.78	-3,663.10	1,022.13	3,761.79	3,751.93	9.86	381.447		
939.50	934.20	935.08	935.06	5.10	5.03	49.95	-3,663.00	1,022.20	3,756.15	3,746.04	10.11	371.539		
1,000.00	993.20	986.05	986.03	5.33	5.20	50.08	-3,662.94	1,022.30	3,747.37	3,736.87	10.50	356.959		
1,100.00	1,090.72	1,079.50	1,079.49	5.73	5.52	50.32	-3,663.01	1,022.42	3,733.10	3,721.90	11.20	333.386		
1,200.00	1,188.24	1,181.13	1,181.11	6.15	5.87	50.59	-3,663.11	1,022.45	3,718.90	3,706.95	11.95	311.276		
1,300.00	1,285.76	1,271.16	1,271.14	6.59	6.19	50.83	-3,663.20	1,022.45	3,704.77	3,692.09	12.68	292.185		
1,400.00	1,383.28	1,380.14	1,380.13	7.04	6.59	51.13	-3,663.35	1,022.58	3,690.80	3,677.29	13.50	273.360		
1,500.00	1,480.80	1,474.29	1,474.27	7.50	6.94	51.38	-3,663.27	1,022.56	3,676.64	3,662.36	14.28	257.405		
1,600.00	1,578.31	1,574.01	1,573.99	7.96	7.31	51.66	-3,663.35	1,022.31	3,662.68	3,647.58	15.10	242.618		
1,700.00	1,675.83	1,663.95	1,663.93	8.44	7.65	51.91	-3,663.39	1,022.15	3,648.78	3,632.89	15.89	229.664		
1,800.00	1,773.35	1,754.87	1,754.85	8.92	8.00	52.16	-3,663.72	1,021.88	3,635.24	3,618.54	16.70	217.743		
1,900.00	1,870.87	1,848.61	1,848.59	9.40	8.37	52.43	-3,664.19	1,021.45	3,621.88	3,604.35	17.52	206.680		
2,000.00	1,968.39	1,952.51	1,952.48	9.89	8.78	52.74	-3,664.76	1,020.99	3,608.66	3,590.26	18.40	196.128		
2,100.00	2,065.91	2,053.23	2,053.21	10.39	9.18	53.03	-3,665.05	1,020.25	3,595.23	3,575.96	19.27	186.575		
2,200.00	2,163.43	2,153.73	2,153.70	10.88	9.59	53.34	-3,665.48	1,019.29	3,581.98	3,561.83	20.15	177.807		
2,300.00	2,260.95	2,254.28	2,254.24	11.38	9.99	53.64	-3,665.68	1,018.25	3,568.59	3,547.56	21.03	169.713		
2,400.00	2,358.46	2,348.97	2,348.93	11.89	10.38	53.93	-3,665.96	1,017.21	3,555.37	3,533.48	21.89	162.400		
2,500.00	2,455.98	2,446.79	2,446.74	12.39	10.78	54.23	-3,666.21	1,016.38	3,542.27	3,519.50	22.78	155.531		
2,600.00	2,553.50	2,548.43	2,548.38	12.89	11.19	54.55	-3,666.43	1,015.51	3,529.23	3,505.55	23.68	149.057		
2,700.00	2,651.02	2,650.14	2,650.09	13.40	11.61	54.86	-3,666.48	1,014.53	3,516.11	3,491.53	24.58	143.034		
2,800.00	2,748.54	2,750.41	2,750.36	13.91	12.03	55.18	-3,666.44	1,013.78	3,503.04	3,477.55	25.49	137.453		
2,900.00	2,846.06	2,846.02	2,845.96	14.42	12.43	55.48	-3,666.34	1,012.98	3,489.98	3,463.61	26.37	132.325		
3,000.00	2,943.58	2,934.75	2,934.68	14.93	12.80	55.76	-3,666.43	1,012.15	3,477.22	3,449.98	27.24	127.646		
3,100.00	3,041.10	3,026.37	3,026.30	15.45	13.18	56.05	-3,666.72	1,011.46	3,464.80	3,436.68	28.12	123.203		
3,200.00	3,138.61	3,124.18	3,124.11	15.96	13.59	56.36	-3,667.01	1,010.95	3,452.49	3,423.46	29.03	118.926		
3,300.00	3,236.13	3,215.07	3,215.00	16.47	13.97	56.64	-3,667.35	1,010.92	3,440.43	3,410.51	29.91	115.019		
3,400.00	3,333.65	3,314.15	3,314.08	16.99	14.39	56.95	-3,667.78	1,010.89	3,428.52	3,397.69	30.83	111.220		
3,500.00	3,431.17	3,413.71	3,413.64	17.50	14.81	57.26	-3,668.12	1,010.87	3,416.62	3,384.88	31.75	107.625		
3,600.00	3,528.69	3,500.99	3,500.92	18.02	15.18	57.54	-3,668.55	1,010.94	3,404.98	3,372.36	32.62	104.386		
3,700.00	3,626.21	3,608.22	3,608.14	18.54	15.63	57.88	-3,669.11	1,010.71	3,393.44	3,359.87	33.57	101.077		
3,800.00	3,723.73	3,693.86	3,693.78	19.06	15.99	58.17	-3,669.63	1,010.35	3,382.07	3,347.62	34.45	98.181		
3,900.00	3,821.25	3,803.28	3,803.20	19.57	16.46	58.52	-3,670.27	1,010.12	3,370.80	3,335.39	35.41	95.183		
4,000.00	3,918.77	3,905.59	3,905.50	20.09	16.90	58.86	-3,670.58	1,010.02	3,359.38	3,323.02	36.35	92.405		
4,100.00	4,016.28	4,003.44	4,003.36	20.61	17.31	59.18	-3,670.79	1,010.00	3,347.99	3,310.71	37.28	89.810		
4,200.00	4,113.80	4,104.13	4,104.05	21.13	17.74	59.51	-3,670.95	1,010.09	3,336.65	3,298.44	38.21	87.322		
4,300.00	4,211.32	4,201.93	4,201.85	21.65	18.15	59.82	-3,671.03	1,010.39	3,325.38	3,286.25	39.13	84.986		
4,400.00	4,308.84	4,293.92	4,293.84	22.17	18.53	60.12	-3,671.17	1,010.76	3,314.28	3,274.25	40.03	82.802		
4,500.00	4,406.36	4,394.98	4,394.90	22.69	18.95	60.46	-3,671.37	1,011.25	3,303.33	3,262.37	40.96	80.650		
4,600.00	4,503.88	4,486.84	4,486.76	23.21	19.34	60.76	-3,671.55	1,011.82	3,292.50	3,250.65	41.86	78.656		
4,700.00	4,601.40	4,581.56	4,581.47	23.73	19.74	61.07	-3,671.89	1,012.22	3,281.93	3,239.15	42.77	76.726		
4,800.00	4,698.92	4,679.55	4,679.46	24.26	20.15	61.40	-3,672.29	1,012.59	3,271.50	3,227.80	43.70	74.855		
4,900.00	4,796.43	4,762.96	4,762.87	24.78	20.51	61.68	-3,672.75	1,012.95	3,261.33	3,216.75	44.58	73.153		
5,000.00	4,893.95	4,851.05	4,850.95	25.30	20.88	61.98	-3,673.67	1,013.20	3,251.74	3,206.26	45.48	71.498		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,947.66	4,947.55	25.82	21.30	62.32	-3,674.80	1,013.16	3,242.38	3,195.96	46.41	69.858		
5,200.00	5,088.99	5,050.75	5,050.64	26.34	21.74	62.68	-3,675.97	1,012.90	3,233.09	3,185.72	47.37	68.247		
5,300.00	5,186.51	5,151.55	5,151.44	26.87	22.18	63.04	-3,676.88	1,012.41	3,223.70	3,175.38	48.33	66.708		
5,400.00	5,284.03	5,252.21	5,252.09	27.39	22.61	63.41	-3,677.80	1,012.11	3,214.45	3,165.17	49.28	65.230		
5,500.00	5,381.55	5,361.01	5,360.88	27.91	23.08	63.79	-3,678.50	1,012.06	3,205.05	3,154.79	50.26	63.766		
5,600.00	5,479.07	5,473.63	5,473.51	28.43	23.56	64.20	-3,678.77	1,011.97	3,195.39	3,144.14	51.26	62.341		
5,700.00	5,576.58	5,562.20	5,562.08	28.96	23.94	64.52	-3,678.79	1,011.71	3,185.65	3,133.49	52.16	61.073		
5,800.00	5,674.10	5,665.35	5,665.23	29.48	24.37	64.90	-3,679.13	1,011.55	3,176.34	3,123.22	53.12	59.799		
5,900.00	5,771.62	5,766.53	5,766.40	30.00	24.80	65.26	-3,679.07	1,011.67	3,166.76	3,112.70	54.06	58.578		
6,000.00	5,869.14	5,857.56	5,857.43	30.53	25.18	65.59	-3,679.14	1,011.98	3,157.43	3,102.46	54.97	57.437		
6,100.00	5,966.66	5,960.00	5,959.88	31.05	25.61	65.97	-3,679.34	1,012.20	3,148.35	3,092.43	55.93	56.294		
6,200.00	6,064.18	6,054.72	6,054.59	31.58	26.01	66.32	-3,679.31	1,012.26	3,139.18	3,082.33	56.85	55.216		
6,300.00	6,161.70	6,153.03	6,152.91	32.10	26.42	66.68	-3,679.53	1,012.47	3,130.38	3,072.59	57.79	54.166		
6,400.00	6,259.22	6,259.55	6,259.43	32.62	26.87	67.07	-3,679.43	1,012.66	3,121.40	3,062.64	58.76	53.122		
6,500.00	6,356.74	6,365.14	6,365.01	33.15	27.30	67.47	-3,679.12	1,013.01	3,112.35	3,052.63	59.72	52.116		
6,600.00	6,454.25	6,459.28	6,459.16	33.67	27.69	67.82	-3,678.68	1,013.10	3,103.26	3,042.62	60.64	51.173		
6,623.48	6,477.15	6,479.83	6,479.70	33.80	27.78	67.90	-3,678.61	1,013.14	3,101.19	3,040.33	60.85	50.961		
6,650.00	6,503.12	6,503.63	6,503.50	33.93	27.88	62.18	-3,678.56	1,013.20	3,098.83	3,037.74	61.09	50.725		
6,700.00	6,552.50	6,554.95	6,554.82	34.16	28.09	42.98	-3,678.45	1,013.30	3,094.19	3,032.65	61.53	50.284		
6,750.00	6,602.21	6,608.21	6,608.08	34.36	28.31	4.55	-3,678.28	1,013.31	3,089.26	3,027.31	61.95	49.864		
6,800.00	6,651.92	6,672.69	6,672.56	34.54	28.58	-34.90	-3,677.88	1,013.30	3,083.95	3,021.56	62.38	49.435		
6,850.00	6,701.33	6,729.99	6,729.85	34.70	28.82	-55.18	-3,677.29	1,013.31	3,078.23	3,015.45	62.78	49.032		
6,900.00	6,750.14	6,781.60	6,781.47	34.86	29.03	-65.38	-3,676.69	1,013.35	3,072.32	3,009.17	63.16	48.646		
6,950.00	6,798.04	6,829.44	6,829.30	35.02	29.23	-71.44	-3,676.10	1,013.44	3,066.32	3,002.80	63.52	48.270		
7,000.00	6,844.75	6,926.51	6,873.34	35.19	29.64	-75.55	-3,675.58	1,013.64	3,060.36	2,996.25	64.11	47.737		
7,050.00	6,889.97	6,918.48	6,918.33	35.37	29.60	-78.65	-3,675.09	1,014.02	3,054.55	2,990.29	64.26	47.534		
7,100.00	6,933.42	6,961.67	6,961.52	35.57	29.78	-81.14	-3,674.62	1,014.38	3,048.99	2,984.35	64.64	47.168		
7,150.00	6,974.83	7,002.81	7,002.65	35.79	29.96	-83.22	-3,674.17	1,014.73	3,043.77	2,978.74	65.03	46.806		
7,200.00	7,013.96	7,041.63	7,041.47	36.02	30.12	-85.01	-3,673.75	1,015.06	3,039.03	2,973.61	65.43	46.450		
7,250.00	7,050.56	7,077.90	7,077.73	36.28	30.27	-86.55	-3,673.35	1,015.37	3,034.90	2,969.06	65.84	46.098		
7,300.00	7,084.39	7,111.39	7,111.22	36.57	30.41	-87.88	-3,672.99	1,015.65	3,031.49	2,965.23	66.26	45.752		
7,350.00	7,115.27	7,141.89	7,141.72	36.89	30.54	-89.01	-3,672.65	1,015.91	3,028.92	2,962.22	66.70	45.412		
7,400.00	7,142.99	7,169.23	7,169.06	37.25	30.65	-89.94	-3,672.35	1,016.14	3,027.30	2,960.15	67.16	45.078		
7,450.00	7,167.38	7,193.23	7,193.05	37.65	30.75	-90.67	-3,672.09	1,016.34	3,026.74	2,959.11	67.63	44.752		
7,450.16	7,167.45	7,193.30	7,193.13	37.65	30.75	-90.67	-3,672.09	1,016.34	3,026.74	2,959.11	67.64	44.751 CC, ES		
7,500.00	7,188.30	7,213.74	7,213.56	38.08	30.84	-91.20	-3,671.87	1,016.51	3,027.32	2,959.19	68.13	44.435		
7,550.00	7,205.61	7,230.63	7,230.46	38.55	30.91	-91.51	-3,671.68	1,016.66	3,029.11	2,960.46	68.64	44.128		
7,600.00	7,219.20	7,243.81	7,243.63	39.06	30.97	-91.61	-3,671.54	1,016.77	3,032.15	2,962.97	69.17	43.835		
7,650.00	7,229.00	7,253.19	7,253.01	39.61	31.01	-91.49	-3,671.44	1,016.85	3,036.47	2,966.76	69.71	43.558		
7,700.00	7,234.95	7,258.71	7,258.53	40.18	31.03	-91.14	-3,671.38	1,016.89	3,042.07	2,971.82	70.26	43.299		
7,750.07	7,237.00	7,260.34	7,260.16	40.78	31.04	-90.57	-3,671.36	1,016.91	3,048.95	2,978.15	70.80	43.063		
7,800.00	7,237.09	7,260.01	7,259.83	41.41	31.03	-90.56	-3,671.36	1,016.91	3,056.83	2,985.47	71.36	42.838		
7,900.00	7,237.28	7,259.36	7,259.17	42.79	31.03	-90.55	-3,671.37	1,016.90	3,074.99	3,002.42	72.56	42.376		
8,000.00	7,237.47	7,258.70	7,258.52	44.31	31.03	-90.54	-3,671.38	1,016.89	3,096.27	3,022.40	73.87	41.916		
8,100.00	7,237.65	7,258.05	7,257.86	45.97	31.03	-90.53	-3,671.39	1,016.89	3,120.61	3,045.36	75.25	41.469		
8,200.00	7,237.84	7,257.39	7,257.21	47.75	31.02	-90.51	-3,671.39	1,016.88	3,147.94	3,071.25	76.69	41.048		
8,300.00	7,238.02	7,256.74	7,256.55	49.63	31.02	-90.50	-3,671.40	1,016.88	3,178.19	3,100.02	78.17	40.659		
8,400.00	7,238.21	7,256.08	7,255.90	51.61	31.02	-90.49	-3,671.41	1,016.87	3,211.26	3,131.59	79.67	40.308		
8,500.00	7,238.40	7,255.43	7,255.24	53.66	31.01	-90.48	-3,671.41	1,016.87	3,247.08	3,165.90	81.18	40.000		
8,600.00	7,238.58	7,254.77	7,254.59	55.79	31.01	-90.46	-3,671.42	1,016.86	3,285.55	3,202.87	82.68	39.737		
8,700.00	7,238.77	7,254.12	7,253.93	57.99	31.01	-90.45	-3,671.43	1,016.86	3,326.59	3,242.41	84.17	39.521		
8,800.00	7,238.96	7,253.46	7,253.28	60.24	31.01	-90.44	-3,671.44	1,016.85	3,370.09	3,284.45	85.64	39.351		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,252.81	7,252.62	62.54	31.00	-90.43	-3,671.44	1,016.85	3,415.97	3,328.88	87.08	39.226		
9,000.00	7,239.33	7,252.15	7,251.97	64.88	31.00	-90.41	-3,671.45	1,016.84	3,464.12	3,375.63	88.49	39.147		
9,100.00	7,239.52	7,251.50	7,251.31	67.27	31.00	-90.40	-3,671.46	1,016.83	3,514.47	3,424.61	89.86	39.112 SF		
9,200.00	7,239.70	7,250.84	7,250.66	69.69	31.00	-90.39	-3,671.46	1,016.83	3,566.90	3,475.72	91.18	39.118		
9,300.00	7,239.89	7,250.19	7,250.00	72.15	30.99	-90.38	-3,671.47	1,016.82	3,621.34	3,528.88	92.47	39.164		
9,400.00	7,240.07	7,249.53	7,249.35	74.63	30.99	-90.36	-3,671.48	1,016.82	3,677.69	3,583.99	93.70	39.248		
9,500.00	7,240.26	7,248.88	7,248.70	77.14	30.99	-90.35	-3,671.49	1,016.81	3,735.87	3,640.98	94.89	39.369		
9,600.00	7,240.45	7,248.22	7,248.04	79.68	30.98	-90.34	-3,671.49	1,016.81	3,795.80	3,699.76	96.04	39.524		
9,700.00	7,240.63	7,247.57	7,247.39	82.23	30.98	-90.33	-3,671.50	1,016.80	3,857.38	3,760.24	97.14	39.711		
9,800.00	7,240.82	7,246.91	7,246.73	84.81	30.98	-90.32	-3,671.51	1,016.80	3,920.55	3,822.36	98.19	39.928		
9,900.00	7,241.01	7,246.26	7,246.08	87.40	30.98	-90.30	-3,671.51	1,016.79	3,985.23	3,886.03	99.20	40.175		
10,000.00	7,241.19	7,245.60	7,245.42	90.01	30.97	-90.29	-3,671.52	1,016.78	4,051.34	3,951.18	100.16	40.448		
10,100.00	7,241.38	7,244.95	7,244.77	92.64	30.97	-90.28	-3,671.53	1,016.78	4,118.82	4,017.73	101.08	40.747		
10,200.00	7,241.56	7,244.29	7,244.11	95.28	30.97	-90.27	-3,671.54	1,016.77	4,187.60	4,085.63	101.96	41.069		
10,300.00	7,241.75	7,243.64	7,243.46	97.93	30.97	-90.25	-3,671.54	1,016.77	4,257.61	4,154.81	102.80	41.415		
10,400.00	7,241.94	7,242.98	7,242.80	100.59	30.96	-90.24	-3,671.55	1,016.76	4,328.81	4,225.20	103.61	41.781		
10,500.00	7,242.12	7,242.33	7,242.15	103.26	30.96	-90.23	-3,671.56	1,016.76	4,401.12	4,296.75	104.37	42.167		
10,600.00	7,242.31	7,241.67	7,241.49	105.95	30.96	-90.22	-3,671.56	1,016.75	4,474.51	4,369.40	105.10	42.572		
10,700.00	7,242.50	7,241.02	7,240.84	108.64	30.95	-90.20	-3,671.57	1,016.75	4,548.90	4,443.10	105.80	42.995		
10,800.00	7,242.68	7,240.36	7,240.18	111.34	30.95	-90.19	-3,671.58	1,016.74	4,624.27	4,517.80	106.47	43.434		
10,900.00	7,242.87	7,239.71	7,239.53	114.05	30.95	-90.18	-3,671.59	1,016.73	4,700.55	4,593.44	107.10	43.888		
11,000.00	7,243.05	7,239.05	7,238.87	116.76	30.95	-90.17	-3,671.59	1,016.73	4,777.70	4,669.99	107.71	44.358		
11,100.00	7,243.24	7,238.40	7,238.22	119.49	30.94	-90.15	-3,671.60	1,016.72	4,855.69	4,747.40	108.29	44.841		
11,200.00	7,243.43	7,237.74	7,237.56	122.22	30.94	-90.14	-3,671.61	1,016.72	4,934.48	4,825.64	108.84	45.337		
11,300.00	7,243.61	7,237.09	7,236.91	124.95	30.94	-90.13	-3,671.61	1,016.71	5,014.02	4,904.65	109.37	45.846		
11,400.00	7,243.80	7,236.43	7,236.25	127.69	30.94	-90.12	-3,671.62	1,016.71	5,094.28	4,984.41	109.87	46.366		
11,500.00	7,243.99	7,235.78	7,235.60	130.44	30.93	-90.10	-3,671.63	1,016.70	5,175.23	5,064.87	110.35	46.897		
11,600.00	7,244.17	7,235.12	7,234.94	133.19	30.93	-90.09	-3,671.64	1,016.70	5,256.83	5,146.02	110.81	47.439		
11,700.00	7,244.36	7,234.47	7,234.29	135.94	30.93	-90.08	-3,671.64	1,016.69	5,339.06	5,227.81	111.25	47.990		
11,800.00	7,244.55	7,233.81	7,233.63	138.70	30.92	-90.07	-3,671.65	1,016.68	5,421.89	5,310.21	111.67	48.551		
11,900.00	7,244.73	7,233.16	7,232.98	141.47	30.92	-90.05	-3,671.66	1,016.68	5,505.28	5,393.21	112.08	49.120		
12,000.00	7,244.92	7,232.50	7,232.32	144.24	30.92	-90.04	-3,671.66	1,016.67	5,589.23	5,476.76	112.46	49.698		
12,100.00	7,245.10	7,231.85	7,231.67	147.01	30.92	-90.03	-3,671.67	1,016.67	5,673.69	5,560.86	112.83	50.284		
12,200.00	7,245.29	7,231.19	7,231.01	149.78	30.91	-90.02	-3,671.68	1,016.66	5,758.65	5,645.46	113.19	50.877		
12,300.00	7,245.48	7,230.54	7,230.36	152.56	30.91	-90.00	-3,671.69	1,016.66	5,844.09	5,730.56	113.53	51.477		
12,400.00	7,245.66	7,229.88	7,229.70	155.34	30.91	-89.99	-3,671.69	1,016.65	5,929.98	5,816.12	113.85	52.084		
12,500.00	7,245.85	7,229.23	7,229.05	158.12	30.90	-89.98	-3,671.70	1,016.65	6,016.31	5,902.14	114.17	52.697		
12,600.00	7,246.04	7,228.57	7,228.39	160.91	30.90	-89.97	-3,671.71	1,016.64	6,103.05	5,988.58	114.47	53.316		
12,700.00	7,246.22	7,227.92	7,227.74	163.70	30.90	-89.95	-3,671.71	1,016.63	6,190.20	6,075.44	114.76	53.941		
12,800.00	7,246.41	7,227.26	7,227.08	166.49	30.90	-89.94	-3,671.72	1,016.63	6,277.72	6,162.69	115.04	54.572		
12,900.00	7,246.59	7,226.61	7,226.43	169.28	30.89	-89.93	-3,671.73	1,016.62	6,365.62	6,250.32	115.30	55.208		
13,000.00	7,246.78	7,225.95	7,225.77	172.08	30.89	-89.92	-3,671.74	1,016.62	6,453.87	6,338.31	115.56	55.848		
13,100.00	7,246.97	7,225.30	7,225.12	174.88	30.89	-89.90	-3,671.74	1,016.61	6,542.45	6,426.64	115.81	56.494		
13,200.00	7,247.15	7,224.64	7,224.46	177.68	30.89	-89.89	-3,671.75	1,016.61	6,631.36	6,515.31	116.05	57.143		
13,300.00	7,247.34	7,223.99	7,223.81	180.48	30.88	-89.88	-3,671.76	1,016.60	6,720.58	6,604.31	116.28	57.797		
13,400.00	7,247.53	7,223.33	7,223.15	183.28	30.88	-89.87	-3,671.76	1,016.60	6,810.11	6,693.60	116.50	58.455		
13,500.00	7,247.71	7,222.68	7,222.50	186.09	30.88	-89.85	-3,671.77	1,016.59	6,899.91	6,783.20	116.72	59.117		
13,600.00	7,247.90	7,222.02	7,221.84	188.90	30.87	-89.84	-3,671.78	1,016.58	6,990.00	6,873.08	116.92	59.783		
13,700.00	7,248.08	7,221.37	7,221.19	191.70	30.87	-89.83	-3,671.79	1,016.58	7,080.35	6,963.23	117.12	60.452		
13,800.00	7,248.27	7,220.71	7,220.53	194.52	30.87	-89.82	-3,671.79	1,016.57	7,170.96	7,053.64	117.32	61.124		
13,900.00	7,248.46	7,220.06	7,219.88	197.33	30.87	-89.80	-3,671.80	1,016.57	7,261.81	7,144.31	117.51	61.799		
14,000.00	7,248.64	7,219.40	7,219.22	200.14	30.86	-89.79	-3,671.81	1,016.56	7,352.91	7,235.22	117.69	62.478		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,218.75	7,218.57	202.95	30.86	-89.78	-3,671.81	1,016.56	7,444.23	7,326.36	117.86	63.159		
14,200.00	7,249.02	7,218.09	7,217.91	205.77	30.86	-89.77	-3,671.82	1,016.55	7,535.77	7,417.73	118.04	63.843		
14,300.00	7,249.20	7,217.44	7,217.26	208.59	30.86	-89.76	-3,671.83	1,016.55	7,627.52	7,509.32	118.20	64.530		
14,400.00	7,249.39	7,216.78	7,216.60	211.41	30.85	-89.74	-3,671.84	1,016.54	7,719.48	7,601.12	118.36	65.219		
14,500.00	7,249.58	7,216.13	7,215.95	214.23	30.85	-89.73	-3,671.84	1,016.53	7,811.63	7,693.12	118.52	65.910		
14,600.00	7,249.76	7,215.47	7,215.29	217.05	30.85	-89.72	-3,671.85	1,016.53	7,903.98	7,785.31	118.67	66.604		
14,700.00	7,249.95	7,214.82	7,214.64	219.87	30.84	-89.71	-3,671.86	1,016.52	7,996.51	7,877.69	118.82	67.300		
14,800.00	7,250.13	7,214.16	7,213.98	222.69	30.84	-89.69	-3,671.86	1,016.52	8,089.22	7,970.26	118.96	67.998		
14,900.00	7,250.32	7,213.51	7,213.33	225.51	30.84	-89.68	-3,671.87	1,016.51	8,182.10	8,062.99	119.10	68.698		
15,000.00	7,250.51	7,212.85	7,212.68	228.34	30.84	-89.67	-3,671.88	1,016.51	8,275.14	8,155.90	119.24	69.399		
15,100.00	7,250.69	7,212.20	7,212.02	231.16	30.83	-89.66	-3,671.89	1,016.50	8,368.35	8,248.98	119.37	70.103		
15,200.00	7,250.88	7,211.54	7,211.37	233.99	30.83	-89.64	-3,671.89	1,016.50	8,461.71	8,342.21	119.50	70.808		
15,300.00	7,251.07	7,210.89	7,210.71	236.82	30.83	-89.63	-3,671.90	1,016.49	8,555.22	8,435.59	119.63	71.514		
15,400.00	7,251.25	7,210.23	7,210.06	239.65	30.83	-89.62	-3,671.91	1,016.49	8,648.88	8,529.12	119.75	72.223		
15,500.00	7,251.44	7,209.58	7,209.40	242.47	30.82	-89.61	-3,671.91	1,016.48	8,742.67	8,622.80	119.87	72.932		
15,600.00	7,251.62	7,208.92	7,208.75	245.30	30.82	-89.59	-3,671.92	1,016.47	8,836.61	8,716.61	119.99	73.643		
15,700.00	7,251.81	7,208.27	7,208.09	248.13	30.82	-89.58	-3,671.93	1,016.47	8,930.67	8,810.56	120.11	74.355		
15,800.00	7,252.00	7,207.61	7,207.44	250.97	30.81	-89.57	-3,671.94	1,016.46	9,024.86	8,904.64	120.22	75.069		
15,900.00	7,252.18	7,206.96	7,206.78	253.80	30.81	-89.56	-3,671.94	1,016.46	9,119.18	8,998.85	120.33	75.783		
16,000.00	7,252.37	7,206.30	7,206.13	256.63	30.81	-89.54	-3,671.95	1,016.45	9,213.61	9,093.17	120.44	76.499		
16,100.00	7,252.56	7,205.65	7,205.47	259.46	30.81	-89.53	-3,671.96	1,016.45	9,308.16	9,187.62	120.55	77.215		
16,200.00	7,252.74	7,204.99	7,204.82	262.30	30.80	-89.52	-3,671.96	1,016.44	9,402.83	9,282.18	120.65	77.933		
16,300.00	7,252.93	7,204.34	7,204.16	265.13	30.80	-89.51	-3,671.97	1,016.44	9,497.60	9,376.85	120.76	78.651		
16,400.00	7,253.11	7,203.68	7,203.51	267.96	30.80	-89.49	-3,671.98	1,016.43	9,592.48	9,471.63	120.86	79.371		
16,500.00	7,253.30	7,203.03	7,202.85	270.80	30.80	-89.48	-3,671.99	1,016.42	9,687.46	9,566.51	120.96	80.091		
16,600.00	7,253.49	7,202.37	7,202.20	273.64	30.79	-89.47	-3,671.99	1,016.42	9,782.55	9,661.49	121.05	80.812		
16,700.00	7,253.67	7,201.72	7,201.54	276.47	30.79	-89.46	-3,672.00	1,016.41	9,877.73	9,756.58	121.15	81.534		
16,800.00	7,253.86	7,201.06	7,200.89	279.31	30.79	-89.44	-3,672.01	1,016.41	9,973.00	9,851.76	121.24	82.256		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	139.56	-1,155.92	985.07	1,519.15					
100.00	100.00	69.37	69.37	3.28	3.28	139.56	-1,155.86	984.95	1,518.61	1,512.04	6.57	231.209		
200.00	200.00	173.84	173.84	3.34	3.32	139.57	-1,155.58	984.43	1,518.07	1,511.41	6.66	227.935		
300.00	300.00	271.77	271.77	3.44	3.42	139.58	-1,155.22	983.90	1,517.45	1,510.59	6.86	221.192		
400.00	399.98	374.27	374.27	3.60	3.56	23.63	-1,154.90	983.43	1,515.32	1,508.16	7.16	211.590		
500.00	499.84	476.88	476.87	3.79	3.76	23.76	-1,154.39	982.78	1,509.73	1,502.18	7.55	199.928		
600.00	599.45	576.40	576.39	4.03	3.98	23.97	-1,153.81	982.12	1,500.88	1,492.87	8.01	187.290		
700.00	698.70	676.98	676.97	4.30	4.24	24.27	-1,153.26	981.37	1,488.86	1,480.31	8.55	174.235		
800.00	797.47	777.78	777.75	4.61	4.53	24.67	-1,152.71	980.41	1,473.57	1,464.44	9.13	161.337		
900.00	895.62	875.03	875.00	4.96	4.83	25.16	-1,152.16	979.39	1,455.12	1,445.36	9.76	149.116		
939.50	934.20	913.35	913.32	5.10	4.95	25.38	-1,151.95	979.02	1,447.02	1,437.00	10.02	144.426		
1,000.00	993.20	973.20	973.16	5.33	5.14	25.62	-1,151.63	978.38	1,434.23	1,423.81	10.42	137.582		
1,100.00	1,090.72	1,069.93	1,069.89	5.73	5.47	26.03	-1,151.16	977.25	1,413.12	1,402.01	11.11	127.184		
1,200.00	1,188.24	1,166.26	1,166.21	6.15	5.81	26.44	-1,150.69	976.24	1,392.15	1,380.32	11.82	117.745		
1,300.00	1,285.76	1,265.61	1,265.55	6.59	6.16	26.88	-1,150.06	975.36	1,371.24	1,358.67	12.57	109.094		
1,400.00	1,383.28	1,363.03	1,362.96	7.04	6.52	27.31	-1,149.35	974.36	1,350.25	1,336.92	13.33	101.306		
1,500.00	1,480.80	1,459.60	1,459.53	7.50	6.88	27.77	-1,148.76	973.36	1,329.41	1,315.31	14.10	94.277		
1,600.00	1,578.31	1,555.77	1,555.69	7.96	7.25	28.22	-1,148.08	972.52	1,308.69	1,293.81	14.89	87.911		
1,700.00	1,675.83	1,651.42	1,651.34	8.44	7.62	28.69	-1,147.50	971.78	1,288.18	1,272.50	15.68	82.141		
1,800.00	1,773.35	1,749.37	1,749.28	8.92	8.00	29.20	-1,147.15	970.79	1,267.83	1,251.34	16.50	76.855		
1,900.00	1,870.87	1,843.70	1,843.60	9.40	8.37	29.70	-1,146.71	969.88	1,247.52	1,230.21	17.31	72.076		
2,000.00	1,968.39	1,933.78	1,933.69	9.89	8.72	30.18	-1,146.57	969.50	1,227.85	1,209.74	18.11	67.782		
2,100.00	2,065.91	2,027.22	2,027.12	10.39	9.10	30.70	-1,146.91	969.15	1,208.72	1,189.79	18.94	63.826		
2,200.00	2,163.43	2,122.62	2,122.53	10.88	9.48	31.26	-1,147.55	968.76	1,189.95	1,170.18	19.77	60.182		
2,300.00	2,260.95	2,219.80	2,219.70	11.38	9.87	31.85	-1,148.20	968.54	1,171.39	1,150.77	20.62	56.813		
2,400.00	2,358.46	2,317.90	2,317.79	11.89	10.26	32.46	-1,148.95	968.14	1,152.94	1,131.46	21.47	53.692		
2,500.00	2,455.98	2,415.20	2,415.09	12.39	10.66	33.10	-1,149.73	967.62	1,134.59	1,112.26	22.33	50.807		
2,600.00	2,553.50	2,511.44	2,511.32	12.89	11.05	33.74	-1,150.51	967.28	1,116.47	1,093.28	23.19	48.142		
2,700.00	2,651.02	2,609.41	2,609.29	13.40	11.45	34.41	-1,151.27	967.03	1,098.53	1,074.47	24.06	45.657		
2,800.00	2,748.54	2,705.01	2,704.89	13.91	11.84	35.09	-1,152.11	966.78	1,080.82	1,055.89	24.93	43.357		
2,900.00	2,846.06	2,804.73	2,804.61	14.42	12.25	35.82	-1,152.91	966.59	1,063.24	1,037.43	25.81	41.194		
3,000.00	2,943.58	2,899.16	2,899.04	14.93	12.64	36.52	-1,153.67	966.54	1,045.89	1,019.20	26.68	39.195		
3,100.00	3,041.10	2,997.73	2,997.60	15.45	13.04	37.28	-1,154.54	966.53	1,028.79	1,001.22	27.57	37.313		
3,200.00	3,138.61	3,095.68	3,095.54	15.96	13.45	38.06	-1,155.39	966.40	1,011.82	983.35	28.46	35.549		
3,300.00	3,236.13	3,196.33	3,196.19	16.47	13.87	38.90	-1,156.14	966.13	994.87	965.51	29.36	33.881		
3,400.00	3,333.65	3,292.61	3,292.47	16.99	14.27	39.72	-1,156.74	965.87	978.02	947.76	30.26	32.322		
3,500.00	3,431.17	3,385.46	3,385.32	17.50	14.65	40.55	-1,157.60	965.70	961.68	930.53	31.15	30.872		
3,600.00	3,528.69	3,472.22	3,472.06	18.02	15.02	41.34	-1,159.06	965.72	946.33	914.30	32.03	29.544		
3,700.00	3,626.21	3,562.05	3,561.86	18.54	15.39	42.20	-1,161.51	966.10	932.31	899.39	32.92	28.319		
3,800.00	3,723.73	3,657.44	3,657.20	19.06	15.79	43.12	-1,164.57	966.83	919.10	885.27	33.83	27.168		
3,900.00	3,821.25	3,756.10	3,755.80	19.57	16.21	44.10	-1,167.75	967.65	906.19	871.44	34.75	26.075		
4,000.00	3,918.77	3,856.77	3,856.42	20.09	16.63	45.12	-1,170.83	968.40	893.38	857.69	35.68	25.035		
4,100.00	4,016.28	3,956.24	3,955.86	20.61	17.05	46.17	-1,173.60	968.94	880.52	843.90	36.62	24.046		
4,200.00	4,113.80	4,055.24	4,054.81	21.13	17.46	47.26	-1,176.32	969.35	867.89	830.34	37.55	23.111		
4,300.00	4,211.32	4,155.33	4,154.87	21.65	17.88	48.38	-1,178.83	969.77	855.36	816.86	38.50	22.220		
4,400.00	4,308.84	4,254.77	4,254.28	22.17	18.30	49.53	-1,181.10	970.06	842.90	803.46	39.44	21.371		
4,500.00	4,406.36	4,354.43	4,353.92	22.69	18.72	50.71	-1,183.19	970.38	830.62	790.23	40.39	20.565		
4,600.00	4,503.88	4,454.10	4,453.57	23.21	19.14	51.94	-1,185.05	970.50	818.44	777.09	41.34	19.796		
4,700.00	4,601.40	4,551.93	4,551.39	23.73	19.56	53.20	-1,186.80	970.31	806.49	764.19	42.30	19.066		
4,800.00	4,698.92	4,649.76	4,649.20	24.26	19.97	54.50	-1,188.61	970.03	794.99	751.74	43.26	18.378		
4,900.00	4,796.43	4,749.12	4,748.55	24.78	20.39	55.85	-1,190.28	969.86	783.79	739.56	44.23	17.723		
5,000.00	4,893.95	4,848.33	4,847.75	25.30	20.81	57.22	-1,191.67	970.00	772.78	727.59	45.19	17.099		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,948.52	4,947.93	25.82	21.23	58.60	-1,192.83	970.50	762.03	715.86	46.17	16.505		
5,200.00	5,088.99	5,047.69	5,047.10	26.34	21.65	60.02	-1,193.60	970.77	751.33	704.19	47.14	15.937		
5,300.00	5,186.51	5,146.34	5,145.74	26.87	22.06	61.51	-1,194.39	970.68	741.11	692.99	48.13	15.400		
5,400.00	5,284.03	5,246.50	5,245.90	27.39	22.49	63.04	-1,194.82	970.65	731.04	681.93	49.11	14.885		
5,500.00	5,381.55	5,344.39	5,343.79	27.91	22.90	64.60	-1,195.05	970.50	721.31	671.22	50.10	14.398		
5,600.00	5,479.07	5,443.18	5,442.58	28.43	23.32	66.23	-1,195.28	969.99	712.15	661.06	51.09	13.940		
5,700.00	5,576.58	5,544.00	5,543.40	28.96	23.75	67.98	-1,195.04	969.13	703.16	651.07	52.08	13.500		
5,800.00	5,674.10	5,643.83	5,643.22	29.48	24.17	69.74	-1,194.40	968.26	694.41	641.33	53.08	13.082		
5,900.00	5,771.62	5,742.25	5,741.63	30.00	24.59	71.54	-1,193.46	967.35	686.04	631.96	54.08	12.686		
6,000.00	5,869.14	5,839.58	5,838.96	30.53	25.00	73.34	-1,192.53	966.66	678.34	623.26	55.07	12.317		
6,100.00	5,966.66	5,936.77	5,936.14	31.05	25.41	75.16	-1,191.57	966.05	671.30	615.23	56.07	11.973		
6,200.00	6,064.18	6,036.53	6,035.89	31.58	25.83	77.07	-1,190.61	965.41	665.03	607.96	57.06	11.654		
6,300.00	6,161.70	6,139.63	6,138.97	32.10	26.27	79.11	-1,189.60	964.72	658.57	600.50	58.06	11.342		
6,400.00	6,259.22	6,239.81	6,239.11	32.62	26.69	81.15	-1,188.16	963.86	652.51	593.45	59.06	11.048		
6,500.00	6,356.74	6,341.52	6,340.76	33.15	27.12	83.27	-1,187.87	963.10	646.51	586.45	60.05	10.766		
6,600.00	6,454.25	6,437.03	6,436.22	33.67	27.53	85.22	-1,179.76	963.25	641.05	580.02	61.04	10.503		
6,623.48	6,477.15	6,458.29	6,457.48	33.80	27.62	85.65	-1,179.20	963.36	639.99	578.72	61.26	10.446		
6,650.00	6,503.12	6,482.42	6,481.60	33.93	27.72	86.40	-1,178.63	963.51	638.69	577.17	61.52	10.382		
6,700.00	6,552.50	6,527.78	6,526.96	34.16	27.91	87.83	-1,177.80	963.86	635.41	573.44	61.96	10.255		
6,750.00	6,602.21	6,573.11	6,572.28	34.36	28.10	89.07	-1,177.32	964.23	631.00	568.64	62.37	10.118		
6,800.00	6,651.92	6,618.76	6,617.93	34.54	28.30	90.15	-1,177.17	964.61	625.44	562.71	62.74	9.969		
6,850.00	6,701.33	6,664.58	6,663.74	34.70	28.49	91.15	-1,177.25	964.85	618.73	555.64	63.09	9.807		
6,900.00	6,750.14	6,710.51	6,709.68	34.86	28.69	92.07	-1,177.55	964.93	610.94	547.50	63.44	9.630		
6,950.00	6,798.04	6,757.75	6,756.91	35.02	28.89	92.91	-1,177.94	964.91	602.10	538.30	63.79	9.438		
7,000.00	6,844.75	6,803.85	6,803.02	35.19	29.08	93.69	-1,178.36	964.83	592.39	528.24	64.15	9.235		
7,050.00	6,889.97	6,847.43	6,846.59	35.37	29.27	94.42	-1,178.83	964.70	582.20	517.71	64.49	9.028		
7,100.00	6,933.42	6,889.49	6,888.64	35.57	29.45	95.10	-1,179.39	964.52	571.96	507.12	64.83	8.822		
7,150.00	6,974.83	6,930.87	6,930.02	35.79	29.62	95.73	-1,180.01	964.29	562.11	496.93	65.18	8.625		
7,200.00	7,013.96	6,970.41	6,969.56	36.02	29.79	96.29	-1,180.59	964.07	553.13	487.62	65.51	8.443		
7,250.00	7,050.56	7,007.45	7,006.59	36.28	29.95	96.77	-1,181.12	963.85	545.62	479.79	65.83	8.288		
7,300.00	7,084.39	7,041.33	7,040.47	36.57	30.09	97.17	-1,181.60	963.66	540.26	474.13	66.13	8.170		
7,350.00	7,115.27	7,072.30	7,071.43	36.89	30.22	97.51	-1,182.05	963.50	537.68	471.28	66.40	8.098		
7,364.21	7,123.47	7,080.53	7,079.66	37.00	30.26	97.71	-1,182.18	963.46	537.54	471.07	66.47	8.087 CC, ES		
7,400.00	7,142.99	7,100.10	7,099.23	37.25	30.34	97.89	-1,182.47	963.37	538.47	471.85	66.63	8.082 SF		
7,450.00	7,167.38	7,124.71	7,123.84	37.65	30.45	98.04	-1,182.84	963.26	543.12	476.30	66.82	8.129		
7,500.00	7,188.30	7,145.86	7,144.98	38.08	30.54	98.17	-1,183.15	963.16	551.93	484.97	66.95	8.243		
7,550.00	7,205.61	7,163.39	7,162.51	38.55	30.61	98.27	-1,183.42	963.08	565.07	498.02	67.05	8.428		
7,600.00	7,219.20	7,177.22	7,176.34	39.06	30.67	98.31	-1,183.62	963.02	582.48	515.39	67.09	8.682		
7,650.00	7,229.00	7,187.25	7,186.37	39.61	30.71	98.33	-1,183.77	962.98	603.96	536.87	67.09	9.002		
7,700.00	7,234.95	7,193.42	7,192.54	40.18	30.74	98.34	-1,183.87	962.95	629.15	562.10	67.06	9.382		
7,750.07	7,237.00	7,195.69	7,194.81	40.78	30.75	98.35	-1,183.90	962.94	657.63	590.63	67.00	9.816		
7,800.00	7,237.09	7,196.01	7,195.12	41.41	30.75	98.36	-1,183.91	962.94	688.64	621.71	66.93	10.289		
7,900.00	7,237.28	7,196.64	7,195.75	42.79	30.75	98.37	-1,183.92	962.93	756.86	690.04	66.82	11.327		
8,000.00	7,237.47	7,197.26	7,196.38	44.31	30.76	98.38	-1,183.93	962.93	831.53	764.80	66.73	12.461		
8,100.00	7,237.65	7,197.89	7,197.01	45.97	30.76	98.39	-1,183.93	962.93	911.07	844.40	66.67	13.666		
8,200.00	7,237.84	7,198.52	7,197.64	47.75	30.76	98.40	-1,183.94	962.93	994.31	927.69	66.62	14.925		
8,300.00	7,238.02	7,199.15	7,198.26	49.63	30.76	98.41	-1,183.95	962.92	1,080.40	1,013.81	66.59	16.225		
8,400.00	7,238.21	7,199.78	7,198.89	51.61	30.77	98.42	-1,183.96	962.92	1,168.70	1,102.14	66.56	17.557		
8,500.00	7,238.40	7,200.40	7,199.52	53.66	30.77	98.43	-1,183.97	962.92	1,258.76	1,192.21	66.55	18.915		
8,600.00	7,238.58	7,201.03	7,200.15	55.79	30.77	98.44	-1,183.98	962.91	1,350.21	1,283.67	66.54	20.292		
8,700.00	7,238.77	7,201.66	7,200.78	57.99	30.77	98.45	-1,183.99	962.91	1,442.80	1,376.27	66.54	21.685		
8,800.00	7,238.96	7,202.29	7,201.40	60.24	30.78	98.46	-1,184.00	962.91	1,536.32	1,469.79	66.54	23.090		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,202.92	7,202.03	62.54	30.78	-90.19	-1,184.01	962.91	1,630.61	1,564.07	66.54	24.506		
9,000.00	7,239.33	7,203.54	7,202.66	64.88	30.78	-90.26	-1,184.02	962.90	1,725.54	1,658.99	66.54	25.931		
9,100.00	7,239.52	7,204.17	7,203.29	67.27	30.78	-90.33	-1,184.03	962.90	1,821.01	1,754.46	66.55	27.362		
9,200.00	7,239.70	7,204.80	7,203.92	69.69	30.79	-90.40	-1,184.04	962.90	1,916.95	1,850.38	66.56	28.800		
9,300.00	7,239.89	7,205.43	7,204.54	72.15	30.79	-90.46	-1,184.05	962.90	2,013.27	1,946.70	66.57	30.241		
9,400.00	7,240.07	7,206.06	7,205.17	74.63	30.79	-90.53	-1,184.06	962.89	2,109.95	2,043.36	66.59	31.687		
9,500.00	7,240.26	7,206.68	7,205.80	77.14	30.80	-90.60	-1,184.07	962.89	2,206.91	2,140.31	66.60	33.136		
9,600.00	7,240.45	7,207.31	7,206.43	79.68	30.80	-90.67	-1,184.08	962.89	2,304.14	2,237.52	66.62	34.587		
9,700.00	7,240.63	7,207.94	7,207.06	82.23	30.80	-90.74	-1,184.09	962.88	2,401.60	2,334.96	66.64	36.040		
9,800.00	7,240.82	7,208.57	7,207.68	84.81	30.80	-90.81	-1,184.09	962.88	2,499.25	2,432.59	66.66	37.494		
9,900.00	7,241.01	7,209.20	7,208.31	87.40	30.81	-90.87	-1,184.10	962.88	2,597.08	2,530.41	66.68	38.950		
10,000.00	7,241.19	7,209.83	7,208.94	90.01	30.81	-90.94	-1,184.11	962.88	2,695.08	2,628.38	66.70	40.406		
10,100.00	7,241.38	7,210.45	7,209.57	92.64	30.81	-91.01	-1,184.12	962.87	2,793.21	2,726.49	66.72	41.863		
10,200.00	7,241.56	7,211.08	7,210.20	95.28	30.81	-91.08	-1,184.13	962.87	2,891.47	2,824.73	66.75	43.320		
10,300.00	7,241.75	7,211.71	7,210.83	97.93	30.82	-91.15	-1,184.14	962.87	2,989.85	2,923.08	66.77	44.777		
10,400.00	7,241.94	7,212.34	7,211.45	100.59	30.82	-91.21	-1,184.15	962.86	3,088.33	3,021.53	66.80	46.233		
10,500.00	7,242.12	7,212.97	7,212.08	103.26	30.82	-91.28	-1,184.16	962.86	3,186.91	3,120.08	66.83	47.689		
10,600.00	7,242.31	7,213.59	7,212.71	105.95	30.82	-91.35	-1,184.17	962.86	3,285.57	3,218.72	66.86	49.144		
10,700.00	7,242.50	7,214.22	7,213.34	108.64	30.83	-91.42	-1,184.18	962.86	3,384.31	3,317.43	66.89	50.599		
10,800.00	7,242.68	7,214.85	7,213.97	111.34	30.83	-91.49	-1,184.19	962.85	3,483.12	3,416.21	66.92	52.052		
10,900.00	7,242.87	7,215.48	7,214.59	114.05	30.83	-91.56	-1,184.20	962.85	3,582.00	3,515.05	66.95	53.504		
11,000.00	7,243.05	7,216.11	7,215.22	116.76	30.84	-91.62	-1,184.21	962.85	3,680.94	3,613.96	66.98	54.955		
11,100.00	7,243.24	7,216.74	7,215.85	119.49	30.84	-91.69	-1,184.22	962.84	3,779.93	3,712.92	67.01	56.405		
11,200.00	7,243.43	7,217.36	7,216.48	122.22	30.84	-91.76	-1,184.23	962.84	3,878.98	3,811.93	67.05	57.852		
11,300.00	7,243.61	7,217.99	7,217.11	124.95	30.84	-91.83	-1,184.24	962.84	3,978.07	3,910.99	67.09	59.299		
11,400.00	7,243.80	7,218.62	7,217.74	127.69	30.85	-91.90	-1,184.25	962.84	4,077.21	4,010.09	67.12	60.743		
11,500.00	7,243.99	7,219.25	7,218.36	130.44	30.85	-91.96	-1,184.26	962.83	4,176.39	4,109.23	67.16	62.185		
11,600.00	7,244.17	7,219.88	7,218.99	133.19	30.85	-92.03	-1,184.26	962.83	4,275.61	4,208.41	67.20	63.626		
11,700.00	7,244.36	7,220.51	7,219.62	135.94	30.85	-92.10	-1,184.27	962.83	4,374.86	4,307.62	67.24	65.064		
11,800.00	7,244.55	7,221.13	7,220.25	138.70	30.86	-92.17	-1,184.28	962.82	4,474.14	4,406.86	67.28	66.500		
11,900.00	7,244.73	7,221.76	7,220.88	141.47	30.86	-92.24	-1,184.29	962.82	4,573.46	4,506.14	67.32	67.934		
12,000.00	7,244.92	7,222.39	7,221.51	144.24	30.86	-92.31	-1,184.30	962.82	4,672.81	4,605.44	67.36	69.366		
12,100.00	7,245.10	7,223.02	7,222.13	147.01	30.86	-92.37	-1,184.31	962.82	4,772.18	4,704.77	67.41	70.795		
12,200.00	7,245.29	7,223.65	7,222.76	149.78	30.87	-92.44	-1,184.32	962.81	4,871.58	4,804.12	67.45	72.221		
12,300.00	7,245.48	7,224.28	7,223.39	152.56	30.87	-92.51	-1,184.33	962.81	4,971.00	4,903.50	67.50	73.645		
12,400.00	7,245.66	7,224.91	7,224.02	155.34	30.87	-92.58	-1,184.34	962.81	5,070.45	5,002.90	67.55	75.066		
12,500.00	7,245.85	7,225.53	7,224.65	158.12	30.88	-92.65	-1,184.35	962.81	5,169.91	5,102.32	67.59	76.485		
12,600.00	7,246.04	7,226.16	7,225.28	160.91	30.88	-92.71	-1,184.36	962.80	5,269.40	5,201.76	67.64	77.901		
12,700.00	7,246.22	7,226.79	7,225.90	163.70	30.88	-92.78	-1,184.37	962.80	5,368.90	5,301.21	67.69	79.314		
12,800.00	7,246.41	7,227.42	7,226.53	166.49	30.88	-92.85	-1,184.38	962.80	5,468.43	5,400.68	67.74	80.724		
12,900.00	7,246.59	7,228.05	7,227.16	169.28	30.89	-92.92	-1,184.39	962.79	5,567.97	5,500.17	67.79	82.131		
13,000.00	7,246.78	7,228.68	7,227.79	172.08	30.89	-92.99	-1,184.40	962.79	5,667.52	5,599.68	67.85	83.534		
13,100.00	7,246.97	7,229.31	7,228.42	174.88	30.89	-93.05	-1,184.41	962.79	5,767.10	5,699.20	67.90	84.935		
13,200.00	7,247.15	7,229.93	7,229.05	177.68	30.89	-93.12	-1,184.42	962.79	5,866.68	5,798.73	67.95	86.333		
13,300.00	7,247.34	7,230.56	7,229.68	180.48	30.90	-93.19	-1,184.43	962.78	5,966.28	5,898.27	68.01	87.727		
13,400.00	7,247.53	7,231.19	7,230.30	183.28	30.90	-93.26	-1,184.43	962.78	6,065.90	5,997.83	68.07	89.118		
13,500.00	7,247.71	7,231.82	7,230.93	186.09	30.90	-93.33	-1,184.44	962.78	6,165.52	6,097.40	68.12	90.506		
13,600.00	7,247.90	7,232.45	7,231.56	188.90	30.91	-93.39	-1,184.45	962.77	6,265.16	6,196.98	68.18	91.891		
13,700.00	7,248.08	7,233.08	7,232.19	191.70	30.91	-93.46	-1,184.46	962.77	6,364.81	6,296.57	68.24	93.272		
13,800.00	7,248.27	7,233.71	7,232.82	194.52	30.91	-93.53	-1,184.47	962.77	6,464.47	6,396.17	68.30	94.649		
13,900.00	7,248.46	7,234.33	7,233.45	197.33	30.91	-93.60	-1,184.48	962.77	6,564.14	6,495.78	68.36	96.023		
14,000.00	7,248.64	7,234.96	7,234.08	200.14	30.92	-93.67	-1,184.49	962.76	6,663.82	6,595.40	68.42	97.394		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,235.59	7,234.70	202.95	30.92	-93.73	-1,184.50	962.76	6,763.51	6,695.02	68.48	98.761		
14,200.00	7,249.02	7,236.22	7,235.33	205.77	30.92	-93.80	-1,184.51	962.76	6,863.21	6,794.66	68.55	100.124		
14,300.00	7,249.20	7,236.85	7,235.96	208.59	30.92	-93.87	-1,184.52	962.75	6,962.91	6,894.30	68.61	101.483		
14,400.00	7,249.39	7,237.48	7,236.59	211.41	30.93	-93.94	-1,184.53	962.75	7,062.63	6,993.95	68.68	102.839		
14,500.00	7,249.58	7,238.11	7,237.22	214.23	30.93	-94.00	-1,184.54	962.75	7,162.35	7,093.61	68.74	104.191		
14,600.00	7,249.76	7,238.74	7,237.85	217.05	30.93	-94.07	-1,184.55	962.75	7,262.08	7,193.27	68.81	105.539		
14,700.00	7,249.95	7,239.36	7,238.48	219.87	30.93	-94.14	-1,184.56	962.74	7,361.82	7,292.94	68.88	106.883		
14,800.00	7,250.13	7,239.99	7,239.10	222.69	30.94	-94.21	-1,184.57	962.74	7,461.56	7,392.62	68.95	108.224		
14,900.00	7,250.32	7,240.62	7,239.73	225.51	30.94	-94.28	-1,184.58	962.74	7,561.32	7,492.30	69.02	109.560		
15,000.00	7,250.51	7,241.25	7,240.36	228.34	30.94	-94.34	-1,184.59	962.73	7,661.07	7,591.99	69.09	110.892		
15,100.00	7,250.69	7,241.88	7,240.99	231.16	30.95	-94.41	-1,184.60	962.73	7,760.84	7,691.68	69.16	112.221		
15,200.00	7,250.88	7,242.51	7,241.62	233.99	30.95	-94.48	-1,184.60	962.73	7,860.61	7,791.38	69.23	113.545		
15,300.00	7,251.07	7,243.14	7,242.25	236.82	30.95	-94.55	-1,184.61	962.73	7,960.38	7,891.08	69.30	114.866		
15,400.00	7,251.25	7,243.77	7,242.88	239.65	30.95	-94.61	-1,184.62	962.72	8,060.16	7,990.79	69.38	116.182		
15,500.00	7,251.44	7,244.39	7,243.51	242.47	30.96	-94.68	-1,184.63	962.72	8,159.95	8,090.50	69.45	117.494		
15,600.00	7,251.62	7,245.02	7,244.13	245.30	30.96	-94.75	-1,184.64	962.72	8,259.74	8,190.22	69.53	118.802		
15,700.00	7,251.81	7,245.65	7,244.76	248.13	30.96	-94.82	-1,184.65	962.71	8,359.54	8,289.94	69.60	120.106		
15,800.00	7,252.00	7,246.28	7,245.39	250.97	30.96	-94.89	-1,184.66	962.71	8,459.34	8,389.66	69.68	121.405		
15,900.00	7,252.18	7,246.91	7,246.02	253.80	30.97	-94.95	-1,184.67	962.71	8,559.15	8,489.39	69.76	122.701		
16,000.00	7,252.37	7,247.54	7,246.65	256.63	30.97	-95.02	-1,184.68	962.71	8,658.96	8,589.12	69.83	123.992		
16,100.00	7,252.56	7,248.17	7,247.28	259.46	30.97	-95.09	-1,184.69	962.70	8,758.77	8,688.86	69.91	125.279		
16,200.00	7,252.74	7,248.80	7,247.91	262.30	30.97	-95.16	-1,184.70	962.70	8,858.59	8,788.60	69.99	126.561		
16,300.00	7,252.93	7,249.43	7,248.54	265.13	30.98	-95.22	-1,184.71	962.70	8,958.41	8,888.34	70.08	127.839		
16,400.00	7,253.11	7,250.05	7,249.16	267.96	30.98	-95.29	-1,184.72	962.70	9,058.24	8,988.08	70.16	129.113		
16,500.00	7,253.30	7,250.68	7,249.79	270.80	30.98	-95.36	-1,184.73	962.69	9,158.07	9,087.83	70.24	130.383		
16,600.00	7,253.49	7,251.31	7,250.42	273.64	30.99	-95.43	-1,184.74	962.69	9,257.90	9,187.58	70.32	131.648		
16,700.00	7,253.67	7,251.94	7,251.05	276.47	30.99	-95.49	-1,184.75	962.69	9,357.74	9,287.33	70.41	132.908		
16,800.00	7,253.86	7,252.57	7,251.68	279.31	30.99	-95.56	-1,184.76	962.68	9,457.58	9,387.09	70.49	134.165		
16,900.00	7,254.05	7,253.20	7,252.31	282.15	30.99	-95.63	-1,184.77	962.68	9,557.43	9,486.85	70.58	135.416		
17,000.00	7,254.23	7,253.83	7,252.94	284.98	31.00	-95.70	-1,184.78	962.68	9,657.27	9,586.61	70.66	136.664		
17,100.00	7,254.42	7,254.46	7,253.57	287.82	31.00	-95.76	-1,184.78	962.68	9,757.12	9,686.37	70.75	137.907		
17,200.00	7,254.61	7,255.09	7,254.20	290.66	31.00	-95.83	-1,184.79	962.67	9,856.98	9,786.14	70.84	139.145		
17,300.00	7,254.79	7,255.71	7,254.82	293.50	31.00	-95.90	-1,184.80	962.67	9,956.83	9,885.91	70.93	140.379		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	79.85	167.60	936.63	952.22					
100.00	100.00	65.31	65.31	3.28	3.28	79.85	167.66	936.54	951.43	944.86	6.57	144.864		
200.00	200.00	167.94	167.94	3.34	3.32	79.83	167.93	936.07	951.03	944.37	6.66	142.882		
300.00	300.00	267.09	267.09	3.44	3.41	79.81	168.13	935.51	950.50	943.65	6.85	138.666		
400.00	399.98	363.18	363.17	3.60	3.54	-36.28	168.21	935.24	948.84	941.70	7.14	132.859		
500.00	499.84	457.17	457.16	3.79	3.71	-36.50	168.24	935.49	944.89	937.39	7.51	125.875		
600.00	599.45	548.32	548.31	4.03	3.91	-36.84	168.05	936.45	938.90	930.96	7.94	118.234		
700.00	698.70	640.23	640.19	4.30	4.14	-37.30	167.72	938.39	931.13	922.69	8.44	110.290		
800.00	797.47	736.19	736.12	4.61	4.41	-37.94	167.25	940.93	921.18	912.17	9.01	102.212		
900.00	895.62	832.02	832.91	4.96	4.70	-38.73	166.57	943.78	908.84	899.20	9.64	94.304		
939.50	934.20	871.08	870.95	5.10	4.82	-39.10	166.30	944.96	903.31	893.41	9.90	91.259		
1,000.00	993.20	931.33	931.16	5.33	5.02	-39.59	165.85	946.86	894.60	884.29	10.31	86.754		
1,100.00	1,090.72	1,031.81	1,031.60	5.73	5.36	-40.42	164.84	949.76	880.04	869.01	11.03	79.808		
1,200.00	1,188.24	1,127.96	1,127.70	6.15	5.69	-41.22	163.75	952.64	865.73	853.97	11.76	73.616		
1,300.00	1,285.76	1,226.13	1,225.82	6.59	6.04	-42.09	162.86	955.70	851.76	839.24	12.53	68.002		
1,400.00	1,383.28	1,327.23	1,326.88	7.04	6.41	-43.00	161.84	958.59	837.73	824.41	13.32	62.882		
1,500.00	1,480.80	1,425.43	1,425.04	7.50	6.78	-43.95	161.15	961.13	823.75	809.63	14.13	58.306		
1,600.00	1,578.31	1,523.53	1,523.10	7.96	7.15	-44.93	160.60	963.70	810.07	795.12	14.95	54.187		
1,700.00	1,675.83	1,627.04	1,626.59	8.44	7.54	-46.02	160.05	966.05	796.33	780.53	15.80	50.395		
1,800.00	1,773.35	1,733.90	1,733.43	8.92	7.96	-47.20	159.40	967.28	781.80	765.12	16.67	46.887		
1,900.00	1,870.87	1,835.13	1,834.67	9.40	8.35	-48.38	158.57	967.69	766.80	749.26	17.54	43.720		
2,000.00	1,968.39	1,932.62	1,932.15	9.89	8.73	-49.55	157.67	967.90	751.90	733.50	18.40	40.858		
2,100.00	2,065.91	2,029.80	2,029.33	10.39	9.12	-50.79	157.09	968.16	737.52	718.25	19.28	38.263		
2,200.00	2,163.43	2,129.79	2,129.31	10.88	9.51	-52.11	156.32	968.17	723.20	703.04	20.16	35.868		
2,300.00	2,260.95	2,226.05	2,225.57	11.38	9.90	-53.43	155.63	968.18	709.29	688.24	21.05	33.697		
2,400.00	2,358.46	2,322.38	2,321.89	11.89	10.29	-54.80	155.03	968.31	695.92	673.98	21.94	31.716		
2,500.00	2,455.98	2,417.45	2,416.96	12.39	10.67	-56.23	154.87	968.55	683.31	660.47	22.84	29.917		
2,600.00	2,553.50	2,514.67	2,514.19	12.89	11.07	-57.76	154.96	968.88	671.39	647.63	23.75	28.268		
2,700.00	2,651.02	2,613.94	2,613.46	13.40	11.47	-59.38	155.03	969.10	659.86	635.19	24.67	26.745		
2,800.00	2,748.54	2,714.14	2,713.65	13.91	11.88	-61.07	154.89	969.04	648.53	622.93	25.60	25.335		
2,900.00	2,846.06	2,813.80	2,813.32	14.42	12.29	-62.82	154.61	968.65	637.42	610.89	26.53	24.029		
3,000.00	2,943.58	2,914.52	2,914.03	14.93	12.70	-64.61	153.77	968.10	626.46	599.00	27.46	22.812		
3,100.00	3,041.10	3,013.00	3,012.50	15.45	13.11	-66.39	152.37	967.51	615.72	587.32	28.40	21.683		
3,200.00	3,138.61	3,105.19	3,104.69	15.96	13.49	-68.13	151.54	967.12	606.05	576.73	29.32	20.670		
3,300.00	3,236.13	3,203.71	3,203.20	16.47	13.90	-70.05	150.93	966.90	597.37	567.11	30.26	19.741		
3,400.00	3,333.65	3,298.07	3,297.55	16.99	14.29	-71.91	150.29	966.99	589.58	558.38	31.19	18.901		
3,500.00	3,431.17	3,393.15	3,392.63	17.50	14.69	-73.79	149.72	967.67	582.96	550.83	32.13	18.146		
3,600.00	3,528.69	3,486.20	3,485.67	18.02	15.08	-75.62	149.24	969.11	577.64	544.59	33.05	17.477		
3,700.00	3,626.21	3,589.85	3,589.29	18.54	15.51	-77.62	148.25	971.37	573.06	539.05	34.01	16.850		
3,800.00	3,723.73	3,692.94	3,692.35	19.06	15.94	-79.63	146.36	972.91	568.04	533.08	34.96	16.247		
3,900.00	3,821.25	3,786.66	3,786.06	19.57	16.34	-81.59	145.11	973.50	563.61	527.72	35.89	15.704		
4,000.00	3,918.77	3,883.22	3,882.62	20.09	16.74	-83.68	144.58	973.96	560.50	523.68	36.82	15.223		
4,100.00	4,016.28	3,978.22	3,977.62	20.61	17.14	-85.82	144.54	974.10	558.47	520.73	37.74	14.798		
4,200.00	4,113.80	4,077.95	4,077.35	21.13	17.56	-88.06	144.60	974.40	557.46	518.79	38.67	14.416		
4,300.00	4,211.32	4,177.12	4,176.51	21.65	17.97	-90.31	144.33	974.32	556.84	517.25	39.60	14.063		
4,379.59	4,288.94	4,257.14	4,256.54	22.06	18.31	-92.14	143.95	974.06	556.76	516.43	40.33	13.804		
4,400.00	4,308.84	4,277.83	4,277.22	22.17	18.40	-92.61	143.79	973.95	556.77	516.25	40.52	13.740		
4,500.00	4,406.36	4,377.15	4,376.53	22.69	18.82	-94.89	142.80	973.31	557.06	515.62	41.44	13.444		
4,600.00	4,503.88	4,482.72	4,482.08	23.21	19.26	-97.30	140.98	972.52	557.55	515.18	42.37	13.160		
4,700.00	4,601.40	4,591.98	4,591.27	23.73	19.72	-99.77	137.12	971.12	557.07	513.78	43.29	12.868		
4,800.00	4,698.92	4,698.42	4,697.53	24.26	20.18	-102.17	131.39	969.36	555.61	511.41	44.20	12.571		
4,900.00	4,796.43	4,795.55	4,794.47	24.78	20.59	-104.32	125.32	968.12	554.28	509.19	45.09	12.294		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,974.94	4,869.52	4,867.28	4,866.06	25.17	20.89	-105.88	120.89	967.59	553.95	508.20	45.75	12.109	CC	
5,000.00	4,893.95	4,891.25	4,889.99	25.30	21.00	-106.39	119.46	967.45	553.99	508.02	45.97	12.052	ES	
5,100.00	4,991.47	4,985.98	4,984.56	25.82	21.40	-108.45	114.09	966.75	554.93	508.10	46.84	11.848		
5,200.00	5,088.99	5,076.42	5,074.89	26.34	21.78	-110.44	109.81	965.85	557.55	509.87	47.68	11.693		
5,300.00	5,186.51	5,168.14	5,166.55	26.87	22.17	-112.43	106.64	965.00	562.22	513.71	48.51	11.589		
5,400.00	5,284.03	5,258.44	5,256.83	27.39	22.55	-114.39	104.47	963.98	568.73	519.40	49.32	11.531		
5,500.00	5,381.55	5,350.50	5,348.87	27.91	22.94	-116.36	103.45	962.73	577.27	527.15	50.12	11.517		
5,600.00	5,479.07	5,442.71	5,441.07	28.43	23.33	-118.31	103.03	961.19	587.25	536.33	50.91	11.535		
5,700.00	5,576.58	5,532.66	5,531.00	28.96	23.71	-120.16	103.66	959.37	599.11	547.44	51.67	11.596		
5,800.00	5,674.10	5,626.85	5,625.15	29.48	24.10	-122.04	105.26	957.36	612.67	560.22	52.45	11.681		
5,900.00	5,771.62	5,732.45	5,730.72	30.00	24.55	-124.03	106.43	955.43	626.31	572.96	53.35	11.740		
6,000.00	5,869.14	5,838.08	5,836.34	30.53	24.99	-125.95	105.96	953.62	639.07	584.83	54.25	11.781		
6,100.00	5,966.66	5,938.32	5,936.57	31.05	25.42	-127.64	104.83	952.60	651.63	596.54	55.09	11.828		
6,200.00	6,064.18	6,035.41	6,033.64	31.58	25.83	-129.22	103.54	951.70	664.52	608.60	55.92	11.884		
6,300.00	6,161.70	6,130.85	6,129.07	32.10	26.24	-130.70	102.61	951.01	678.18	621.45	56.72	11.956		
6,400.00	6,259.22	6,228.51	6,226.72	32.62	26.65	-132.14	101.77	950.32	692.40	634.85	57.55	12.031		
6,500.00	6,356.74	6,326.42	6,324.63	33.15	27.07	-133.54	100.79	949.48	706.95	648.57	58.38	12.110		
6,600.00	6,454.25	6,423.47	6,421.67	33.67	27.48	-134.88	99.88	948.69	721.96	662.76	59.20	12.195		
6,623.48	6,477.15	6,446.67	6,444.87	33.80	27.58	-135.19	99.66	948.53	725.54	666.14	59.40	12.214		
6,650.00	6,503.12	6,473.00	6,471.20	33.93	27.69	-141.41	99.41	948.35	729.41	669.79	59.62	12.234		
6,700.00	6,552.50	6,522.42	6,520.62	34.16	27.90	-161.19	98.92	948.06	735.71	675.68	60.03	12.255		
6,750.00	6,602.21	6,571.38	6,569.57	34.36	28.11	160.31	98.49	947.80	740.71	680.27	60.44	12.256		
6,800.00	6,651.92	6,620.77	6,618.96	34.54	28.32	121.31	98.10	947.54	744.37	683.53	60.84	12.235		
6,850.00	6,701.33	6,670.49	6,668.68	34.70	28.53	101.98	97.69	947.21	746.66	685.41	61.26	12.189		
6,900.00	6,750.14	6,719.13	6,717.31	34.86	28.73	93.17	97.24	946.81	747.67	685.98	61.68	12.121		
6,950.00	6,798.04	6,766.15	6,764.33	35.02	28.93	88.89	96.83	946.32	747.59	685.47	62.12	12.035		
7,000.00	6,844.75	6,812.36	6,810.54	35.19	29.13	86.90	96.46	945.74	746.61	684.04	62.57	11.932		
7,050.00	6,889.97	6,857.94	6,856.11	35.37	29.32	86.26	96.09	945.10	744.95	681.89	63.06	11.814		
7,100.00	6,933.42	6,901.87	6,900.03	35.57	29.51	86.48	95.71	944.42	742.86	679.30	63.57	11.686		
7,150.00	6,974.83	6,943.20	6,941.36	35.79	29.68	87.24	95.38	943.80	740.71	676.61	64.10	11.555		
7,200.00	7,013.96	6,982.23	6,980.38	36.02	29.85	88.35	95.10	943.29	738.88	674.21	64.67	11.426		
7,250.00	7,050.56	7,019.32	7,017.46	36.28	30.01	89.69	94.86	942.86	737.75	672.48	65.27	11.303		
7,277.40	7,069.45	7,038.75	7,036.89	36.44	30.09	90.47	94.74	942.67	737.57	671.95	65.62	11.240		
7,300.00	7,084.39	7,054.09	7,052.24	36.57	30.16	91.11	94.63	942.54	737.71	671.80	65.91	11.193		
7,350.00	7,115.27	7,085.72	7,083.87	36.89	30.29	92.45	94.40	942.31	739.15	672.58	66.57	11.103		
7,400.00	7,142.99	7,113.88	7,112.02	37.25	30.41	93.61	94.18	942.14	742.44	675.20	67.25	11.041		
7,450.00	7,167.38	7,138.53	7,136.67	37.65	30.52	94.48	93.98	942.00	747.94	680.01	67.92	11.012	SF	
7,500.00	7,188.30	7,159.71	7,157.85	38.08	30.61	95.01	93.82	941.88	755.88	687.29	68.59	11.021		
7,550.00	7,205.61	7,177.29	7,175.43	38.55	30.68	95.13	93.68	941.79	766.43	697.21	69.22	11.072		
7,600.00	7,219.20	7,191.17	7,189.31	39.06	30.74	94.78	93.57	941.71	779.68	709.87	69.81	11.169		
7,650.00	7,229.00	7,201.25	7,199.38	39.61	30.78	93.93	93.49	941.65	795.60	725.27	70.33	11.312		
7,700.00	7,234.95	7,207.47	7,205.61	40.18	30.81	92.56	93.44	941.62	814.09	743.30	70.79	11.500		
7,750.07	7,237.00	7,209.80	7,207.94	40.78	30.82	90.66	93.43	941.60	834.98	763.81	71.16	11.733		
7,800.00	7,237.09	7,210.17	7,208.31	41.41	30.82	90.69	93.42	941.60	858.08	786.61	71.47	12.005		
7,900.00	7,237.28	7,210.91	7,209.05	42.79	30.82	90.74	93.42	941.60	910.85	838.87	71.98	12.655		
8,000.00	7,237.47	7,211.66	7,209.79	44.31	30.83	90.80	93.41	941.59	971.07	898.74	72.33	13.425		
8,100.00	7,237.65	7,212.40	7,210.54	45.97	30.83	90.86	93.40	941.59	1,037.46	964.88	72.57	14.295		
8,200.00	7,237.84	7,213.14	7,211.28	47.75	30.83	90.91	93.40	941.59	1,108.90	1,036.17	72.72	15.248		
8,300.00	7,238.02	7,213.88	7,212.02	49.63	30.84	90.97	93.39	941.58	1,184.48	1,111.67	72.81	16.268		
8,400.00	7,238.21	7,214.63	7,212.76	51.61	30.84	91.03	93.39	941.58	1,263.46	1,190.61	72.85	17.344		
8,500.00	7,238.40	7,215.37	7,213.51	53.66	30.84	91.08	93.38	941.57	1,345.23	1,272.38	72.85	18.465		
8,600.00	7,238.58	7,216.11	7,214.25	55.79	30.85	91.14	93.38	941.57	1,429.33	1,356.49	72.84	19.624		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,238.77	7,216.85	7,214.99	57.99	30.85	91.20	93.37	941.57	1,515.36	1,442.55	72.80	20.814		
8,800.00	7,238.96	7,217.60	7,215.73	60.24	30.85	91.25	93.36	941.56	1,603.01	1,530.24	72.76	22.030		
8,900.00	7,239.14	7,218.34	7,216.48	62.54	30.85	91.31	93.36	941.56	1,692.03	1,619.31	72.72	23.268		
9,000.00	7,239.33	7,219.08	7,217.22	64.88	30.86	91.37	93.35	941.55	1,782.22	1,709.54	72.67	24.524		
9,100.00	7,239.52	7,219.82	7,217.96	67.27	30.86	91.42	93.35	941.55	1,873.40	1,800.77	72.62	25.796		
9,200.00	7,239.70	7,220.56	7,218.70	69.69	30.86	91.48	93.34	941.54	1,965.44	1,892.86	72.58	27.081		
9,300.00	7,239.89	7,221.31	7,219.44	72.15	30.87	91.54	93.34	941.54	2,058.22	1,985.69	72.53	28.377		
9,400.00	7,240.07	7,222.05	7,220.19	74.63	30.87	91.59	93.33	941.54	2,151.65	2,079.16	72.49	29.683		
9,500.00	7,240.26	7,222.79	7,220.93	77.14	30.87	91.65	93.32	941.53	2,245.64	2,173.20	72.45	30.997		
9,600.00	7,240.45	7,223.53	7,221.67	79.68	30.88	91.71	93.32	941.53	2,340.13	2,267.73	72.41	32.319		
9,700.00	7,240.63	7,224.28	7,222.41	82.23	30.88	91.76	93.31	941.52	2,435.07	2,362.69	72.37	33.646		
9,800.00	7,240.82	7,225.02	7,223.16	84.81	30.88	91.82	93.31	941.52	2,530.39	2,458.05	72.34	34.979		
9,900.00	7,241.01	7,225.76	7,223.90	87.40	30.89	91.88	93.30	941.52	2,626.06	2,553.75	72.31	36.316		
10,000.00	7,241.19	7,226.50	7,224.64	90.01	30.89	91.93	93.29	941.51	2,722.04	2,649.75	72.28	37.657		
10,100.00	7,241.38	7,227.24	7,225.38	92.64	30.89	91.99	93.29	941.51	2,818.30	2,746.04	72.26	39.002		
10,200.00	7,241.56	7,227.99	7,226.12	95.28	30.90	92.05	93.28	941.50	2,914.81	2,842.57	72.24	40.349		
10,300.00	7,241.75	7,228.73	7,226.87	97.93	30.90	92.10	93.28	941.50	3,011.55	2,939.33	72.22	41.698		
10,400.00	7,241.94	7,229.47	7,227.61	100.59	30.90	92.16	93.27	941.49	3,108.50	3,036.29	72.21	43.050		
10,500.00	7,242.12	7,230.21	7,228.35	103.26	30.91	92.22	93.27	941.49	3,205.63	3,133.43	72.19	44.403		
10,600.00	7,242.31	7,230.95	7,229.09	105.95	30.91	92.27	93.26	941.49	3,302.93	3,230.75	72.18	45.757		
10,700.00	7,242.50	7,231.70	7,229.83	108.64	30.91	92.33	93.25	941.48	3,400.39	3,328.22	72.18	47.112		
10,800.00	7,242.68	7,232.44	7,230.58	111.34	30.91	92.39	93.25	941.48	3,498.00	3,425.82	72.17	48.467		
10,900.00	7,242.87	7,233.18	7,231.32	114.05	30.92	92.44	93.24	941.47	3,595.73	3,523.56	72.17	49.824		
11,000.00	7,243.05	7,233.92	7,232.06	116.76	30.92	92.50	93.24	941.47	3,693.59	3,621.42	72.17	51.180		
11,100.00	7,243.24	7,234.66	7,232.80	119.49	30.92	92.56	93.23	941.47	3,791.55	3,719.39	72.17	52.536		
11,200.00	7,243.43	7,235.41	7,233.54	122.22	30.93	92.61	93.22	941.46	3,889.63	3,817.45	72.17	53.893		
11,300.00	7,243.61	7,236.15	7,234.29	124.95	30.93	92.67	93.22	941.46	3,987.79	3,915.61	72.18	55.249		
11,400.00	7,243.80	7,236.89	7,235.03	127.69	30.93	92.73	93.21	941.45	4,086.05	4,013.86	72.19	56.604		
11,500.00	7,243.99	7,237.63	7,235.77	130.44	30.94	92.78	93.21	941.45	4,184.39	4,112.19	72.20	57.959		
11,600.00	7,244.17	7,238.37	7,236.51	133.19	30.94	92.84	93.20	941.44	4,282.80	4,210.59	72.21	59.313		
11,700.00	7,244.36	7,239.12	7,237.25	135.94	30.94	92.90	93.20	941.44	4,381.29	4,309.07	72.22	60.666		
11,800.00	7,244.55	7,239.86	7,237.99	138.70	30.95	92.95	93.19	941.44	4,479.84	4,407.61	72.23	62.018		
11,900.00	7,244.73	7,240.60	7,238.74	141.47	30.95	93.01	93.18	941.43	4,578.46	4,506.21	72.25	63.368		
12,000.00	7,244.92	7,241.34	7,239.48	144.24	30.95	93.07	93.18	941.43	4,677.13	4,604.86	72.27	64.718		
12,100.00	7,245.10	7,242.08	7,240.22	147.01	30.96	93.12	93.17	941.42	4,775.86	4,703.57	72.29	66.066		
12,200.00	7,245.29	7,242.82	7,240.96	149.78	30.96	93.18	93.17	941.42	4,874.64	4,802.33	72.31	67.413		
12,300.00	7,245.48	7,243.57	7,241.70	152.56	30.96	93.24	93.16	941.42	4,973.47	4,901.14	72.33	68.758		
12,400.00	7,245.66	7,244.31	7,242.45	155.34	30.97	93.29	93.15	941.41	5,072.35	4,999.99	72.36	70.101		
12,500.00	7,245.85	7,245.05	7,243.19	158.12	30.97	93.35	93.15	941.41	5,171.27	5,098.88	72.38	71.443		
12,600.00	7,246.04	7,245.79	7,243.93	160.91	30.97	93.41	93.14	941.40	5,270.23	5,197.82	72.41	72.782		
12,700.00	7,246.22	7,246.53	7,244.67	163.70	30.97	93.46	93.14	941.40	5,369.23	5,296.79	72.44	74.120		
12,800.00	7,246.41	7,247.28	7,245.41	166.49	30.98	93.52	93.13	941.39	5,468.26	5,395.79	72.47	75.456		
12,900.00	7,246.59	7,248.02	7,246.15	169.28	30.98	93.57	93.13	941.39	5,567.33	5,494.83	72.50	76.790		
13,000.00	7,246.78	7,248.76	7,246.90	172.08	30.98	93.63	93.12	941.39	5,666.43	5,593.90	72.53	78.122		
13,100.00	7,246.97	7,249.50	7,247.64	174.88	30.99	93.69	93.11	941.38	5,765.56	5,693.00	72.57	79.451		
13,200.00	7,247.15	7,250.24	7,248.38	177.68	30.99	93.74	93.11	941.38	5,864.72	5,792.12	72.60	80.778		
13,300.00	7,247.34	7,250.98	7,249.12	180.48	30.99	93.80	93.10	941.37	5,963.91	5,891.28	72.64	82.103		
13,400.00	7,247.53	7,251.73	7,249.86	183.28	31.00	93.86	93.10	941.37	6,063.13	5,990.45	72.68	83.426		
13,500.00	7,247.71	7,252.47	7,250.60	186.09	31.00	93.91	93.09	941.37	6,162.37	6,089.66	72.72	84.746		
13,600.00	7,247.90	7,253.21	7,251.34	188.90	31.00	93.97	93.09	941.36	6,261.64	6,188.88	72.76	86.063		
13,700.00	7,248.08	7,253.95	7,252.09	191.70	31.01	94.03	93.08	941.36	6,360.93	6,288.13	72.80	87.378		
13,800.00	7,248.27	7,254.69	7,252.83	194.52	31.01	94.08	93.07	941.35	6,460.24	6,387.40	72.84	88.690		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,248.46	7,255.43	7,253.57	197.33	31.01	94.14	93.07	941.35	6,559.57	6,486.68	72.88	90.000		
14,000.00	7,248.64	7,256.17	7,254.31	200.14	31.02	94.20	93.06	941.35	6,658.92	6,585.99	72.93	91.307		
14,100.00	7,248.83	7,256.92	7,255.05	202.95	31.02	94.25	93.06	941.34	6,758.29	6,685.31	72.98	92.611		
14,200.00	7,249.02	7,257.66	7,255.79	205.77	31.02	94.31	93.05	941.34	6,857.68	6,784.65	73.02	93.912		
14,300.00	7,249.20	7,258.40	7,256.54	208.59	31.03	94.36	93.04	941.33	6,957.08	6,884.01	73.07	95.210		
14,400.00	7,249.39	7,259.14	7,257.28	211.41	31.03	94.42	93.04	941.33	7,056.51	6,983.39	73.12	96.506		
14,500.00	7,249.58	7,259.88	7,258.02	214.23	31.03	94.48	93.03	941.32	7,155.94	7,082.77	73.17	97.799		
14,600.00	7,249.76	7,260.62	7,258.76	217.05	31.03	94.53	93.03	941.32	7,255.40	7,182.18	73.22	99.088		
14,700.00	7,249.95	7,261.37	7,259.50	219.87	31.04	94.59	93.02	941.32	7,354.87	7,281.59	73.27	100.375		
14,800.00	7,250.13	7,262.11	7,260.24	222.69	31.04	94.65	93.02	941.31	7,454.35	7,381.02	73.33	101.658		
14,900.00	7,250.32	7,262.85	7,260.98	225.51	31.04	94.70	93.01	941.31	7,553.85	7,480.46	73.38	102.938		
15,000.00	7,250.51	7,263.59	7,261.72	228.34	31.05	94.76	93.00	941.30	7,653.36	7,579.92	73.44	104.215		
15,100.00	7,250.69	7,264.33	7,262.47	231.16	31.05	94.82	93.00	941.30	7,752.88	7,679.38	73.49	105.489		
15,200.00	7,250.88	7,265.07	7,263.21	233.99	31.05	94.87	92.99	941.30	7,852.41	7,778.86	73.55	106.760		
15,300.00	7,251.07	7,265.81	7,263.95	236.82	31.06	94.93	92.99	941.29	7,951.96	7,878.35	73.61	108.028		
15,400.00	7,251.25	7,266.55	7,264.69	239.65	31.06	94.98	92.98	941.29	8,051.51	7,977.84	73.67	109.292		
15,500.00	7,251.44	7,267.30	7,265.43	242.47	31.06	95.04	92.97	941.28	8,151.08	8,077.35	73.73	110.553		
15,600.00	7,251.62	7,268.04	7,266.17	245.30	31.07	95.10	92.97	941.28	8,250.66	8,176.87	73.79	111.810		
15,700.00	7,251.81	7,268.78	7,266.91	248.13	31.07	95.15	92.96	941.27	8,350.25	8,276.39	73.85	113.064		
15,800.00	7,252.00	7,269.52	7,267.66	250.97	31.07	95.21	92.96	941.27	8,449.85	8,375.93	73.92	114.315		
15,900.00	7,252.18	7,270.26	7,268.40	253.80	31.08	95.27	92.95	941.27	8,549.45	8,475.47	73.98	115.562		
16,000.00	7,252.37	7,271.00	7,269.14	256.63	31.08	95.32	92.95	941.26	8,649.07	8,575.02	74.05	116.806		
16,100.00	7,252.56	7,271.74	7,269.88	259.46	31.08	95.38	92.94	941.26	8,748.69	8,674.58	74.11	118.046		
16,200.00	7,252.74	7,272.48	7,270.62	262.30	31.09	95.43	92.93	941.25	8,848.33	8,774.15	74.18	119.282		
16,300.00	7,252.93	7,273.23	7,271.36	265.13	31.09	95.49	92.93	941.25	8,947.97	8,873.72	74.25	120.515		
16,400.00	7,253.11	7,273.97	7,272.10	267.96	31.09	95.55	92.92	941.25	9,047.62	8,973.30	74.32	121.745		
16,500.00	7,253.30	7,274.71	7,272.84	270.80	31.09	95.60	92.92	941.24	9,147.27	9,072.89	74.39	122.971		
16,600.00	7,253.49	7,275.45	7,273.58	273.64	31.10	95.66	92.91	941.24	9,246.94	9,172.48	74.46	124.193		
16,700.00	7,253.67	7,276.19	7,274.33	276.47	31.10	95.71	92.91	941.23	9,346.61	9,272.08	74.53	125.412		
16,800.00	7,253.86	7,276.93	7,275.07	279.31	31.10	95.77	92.90	941.23	9,446.29	9,371.69	74.60	126.626		
16,900.00	7,254.05	7,277.67	7,275.81	282.15	31.11	95.83	92.89	941.23	9,545.97	9,471.30	74.67	127.838		
17,000.00	7,254.23	7,278.41	7,276.55	284.98	31.11	95.88	92.89	941.22	9,645.66	9,570.92	74.75	129.045		
17,100.00	7,254.42	7,279.15	7,277.29	287.82	31.11	95.94	92.88	941.22	9,745.36	9,670.54	74.82	130.249		
17,200.00	7,254.61	7,279.90	7,278.03	290.66	31.12	96.00	92.88	941.21	9,845.06	9,770.17	74.90	131.449		
17,300.00	7,254.79	7,280.64	7,278.77	293.50	31.12	96.05	92.87	941.21	9,944.77	9,869.80	74.97	132.645		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	104.15	-400.32	1,587.96	1,638.32					
100.00	100.00	58.94	58.94	3.28	3.28	104.15	-400.22	1,587.88	1,637.55	1,630.98	6.57	249.353		
200.00	200.00	155.34	155.34	3.34	3.31	104.14	-399.81	1,587.56	1,637.13	1,630.48	6.65	246.260		
219.11	219.11	172.11	172.11	3.35	3.32	104.13	-399.76	1,587.56	1,637.12	1,630.44	6.67	245.262		
300.00	300.00	251.06	251.06	3.44	3.39	104.13	-399.66	1,587.71	1,637.24	1,630.41	6.84	239.508		
400.00	399.98	353.54	353.53	3.60	3.53	-11.89	-399.72	1,587.72	1,635.56	1,628.43	7.13	229.537		
500.00	499.84	444.79	444.78	3.79	3.69	-11.95	-399.60	1,587.82	1,630.53	1,623.04	7.48	217.916		
600.00	599.45	528.44	528.43	4.03	3.87	-12.06	-399.00	1,588.84	1,623.00	1,615.11	7.90	205.527		
700.00	698.70	613.57	613.54	4.30	4.08	-12.22	-398.45	1,590.66	1,612.99	1,604.62	8.38	192.585		
800.00	797.47	697.98	697.91	4.61	4.31	-12.41	-397.97	1,593.23	1,600.50	1,591.60	8.90	179.733		
900.00	895.62	789.39	789.25	4.96	4.58	-12.66	-397.43	1,596.68	1,585.33	1,575.83	9.50	166.881		
939.50	934.20	827.46	827.29	5.10	4.70	-12.78	-397.19	1,598.22	1,578.52	1,568.77	9.76	161.817		
1,000.00	993.20	886.97	886.75	5.33	4.89	-12.93	-396.78	1,600.64	1,567.70	1,557.55	10.15	154.400		
1,100.00	1,090.72	982.08	981.77	5.73	5.21	-13.17	-396.00	1,604.61	1,549.92	1,539.09	10.83	143.142		
1,200.00	1,188.24	1,069.68	1,069.28	6.15	5.51	-13.39	-395.53	1,608.58	1,532.57	1,521.07	11.51	133.186		
1,300.00	1,285.76	1,162.69	1,162.17	6.59	5.85	-13.60	-395.83	1,613.23	1,515.89	1,503.66	12.23	123.981		
1,400.00	1,383.28	1,255.55	1,254.90	7.04	6.19	-13.82	-395.99	1,618.13	1,499.45	1,486.49	12.97	115.638		
1,500.00	1,480.80	1,345.83	1,345.03	7.50	6.54	-14.05	-395.91	1,623.41	1,483.55	1,469.83	13.72	108.160		
1,600.00	1,578.31	1,433.54	1,432.55	7.96	6.88	-14.31	-395.37	1,629.17	1,468.26	1,453.79	14.47	101.452		
1,700.00	1,675.83	1,519.91	1,518.67	8.44	7.23	-14.57	-394.92	1,635.63	1,453.90	1,438.66	15.24	95.419		
1,800.00	1,773.35	1,614.08	1,612.52	8.92	7.62	-14.88	-393.87	1,643.27	1,440.09	1,424.04	16.04	89.776		
1,900.00	1,870.87	1,708.60	1,706.70	9.40	8.02	-15.20	-392.90	1,651.24	1,426.65	1,409.79	16.86	84.637		
2,000.00	1,968.39	1,809.89	1,807.64	9.89	8.44	-15.51	-392.82	1,659.64	1,413.29	1,395.59	17.70	79.840		
2,100.00	2,065.91	1,914.12	1,911.54	10.39	8.88	-15.82	-393.08	1,667.97	1,399.75	1,381.18	18.56	75.400		
2,200.00	2,163.43	2,025.76	2,022.89	10.88	9.34	-16.15	-393.26	1,676.02	1,385.44	1,365.98	19.46	71.199		
2,300.00	2,260.95	2,126.95	2,123.84	11.38	9.76	-16.48	-392.91	1,682.94	1,370.74	1,350.42	20.32	67.451		
2,400.00	2,358.46	2,230.72	2,227.39	11.89	10.19	-16.82	-392.56	1,689.72	1,355.79	1,334.60	21.20	63.956		
2,500.00	2,455.98	2,336.86	2,333.33	12.39	10.62	-17.16	-392.62	1,696.13	1,340.46	1,318.38	22.09	60.691		
2,600.00	2,553.50	2,443.04	2,439.37	12.89	11.05	-17.49	-393.01	1,701.75	1,324.48	1,301.51	22.98	57.645		
2,700.00	2,651.02	2,540.44	2,536.64	13.40	11.45	-17.80	-393.28	1,706.66	1,308.29	1,284.45	23.84	54.873		
2,800.00	2,748.54	2,631.52	2,627.59	13.91	11.83	-18.09	-393.54	1,711.59	1,292.50	1,267.81	24.69	52.343		
2,900.00	2,846.06	2,722.36	2,718.26	14.42	12.20	-18.39	-393.97	1,717.12	1,277.44	1,251.89	25.55	50.005		
3,000.00	2,943.58	2,819.66	2,815.37	14.93	12.61	-18.72	-394.49	1,723.27	1,262.65	1,236.22	26.42	47.786		
3,100.00	3,041.10	2,912.29	2,907.79	15.45	13.00	-19.03	-395.19	1,729.43	1,248.25	1,220.96	27.29	45.744		
3,200.00	3,138.61	3,008.80	3,004.06	15.96	13.41	-19.36	-396.08	1,736.15	1,234.22	1,206.05	28.17	43.816		
3,300.00	3,236.13	3,109.75	3,104.75	16.47	13.84	-19.74	-396.22	1,743.24	1,220.22	1,191.15	29.07	41.981		
3,400.00	3,333.65	3,204.31	3,199.08	16.99	14.24	-20.12	-396.17	1,750.03	1,206.39	1,176.44	29.95	40.285		
3,500.00	3,431.17	3,306.18	3,300.68	17.50	14.67	-20.51	-396.68	1,757.29	1,192.63	1,161.78	30.85	38.657		
3,600.00	3,528.69	3,412.94	3,407.20	18.02	15.12	-20.91	-397.46	1,764.36	1,178.44	1,146.67	31.77	37.091		
3,700.00	3,626.21	3,505.65	3,499.71	18.54	15.52	-21.26	-398.47	1,770.46	1,164.29	1,131.64	32.65	35.656		
3,800.00	3,723.73	3,593.16	3,586.98	19.06	15.89	-21.56	-400.07	1,776.77	1,150.86	1,117.34	33.52	34.333		
3,900.00	3,821.25	3,680.40	3,673.89	19.57	16.27	-21.82	-402.52	1,783.85	1,138.45	1,104.06	34.39	33.107		
4,000.00	3,918.77	3,778.18	3,771.21	20.09	16.70	-22.06	-406.59	1,792.34	1,126.74	1,091.45	35.29	31.928		
4,100.00	4,016.28	3,876.27	3,868.82	20.61	17.12	-22.26	-411.60	1,800.78	1,115.03	1,078.83	36.20	30.805		
4,200.00	4,113.80	3,978.63	3,970.68	21.13	17.57	-22.49	-416.39	1,809.61	1,103.32	1,066.20	37.12	29.725		
4,300.00	4,211.32	4,081.13	4,072.73	21.65	18.02	-22.75	-420.66	1,818.11	1,091.28	1,053.23	38.04	28.688		
4,400.00	4,308.84	4,185.54	4,176.74	22.17	18.47	-23.05	-424.62	1,826.42	1,078.89	1,039.92	38.97	27.686		
4,500.00	4,406.36	4,282.47	4,273.32	22.69	18.89	-23.34	-428.07	1,833.93	1,066.32	1,026.44	39.88	26.741		
4,600.00	4,503.88	4,392.29	4,382.77	23.21	19.37	-23.72	-431.28	1,842.21	1,053.55	1,012.73	40.82	25.810		
4,700.00	4,601.40	4,510.33	4,500.56	23.73	19.87	-24.14	-434.50	1,849.31	1,039.29	997.52	41.77	24.881		
4,800.00	4,698.92	4,623.71	4,613.80	24.26	20.34	-24.61	-436.81	1,854.19	1,023.34	980.64	42.70	23.967		
4,900.00	4,796.43	4,729.75	4,719.77	24.78	20.78	-25.08	-438.55	1,857.75	1,006.53	962.91	43.61	23.078		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,837.87	4,827.85	25.30	21.23	-25.61	-439.79	1,860.28	988.75	944.22	44.53	22.205		
5,100.00	4,991.47	4,939.97	4,929.94	25.82	21.65	-26.15	-440.55	1,861.99	970.40	924.96	45.44	21.356		
5,200.00	5,088.99	5,041.41	5,031.37	26.34	22.07	-26.73	-440.99	1,863.35	951.80	905.45	46.35	20.534		
5,300.00	5,186.51	5,140.80	5,130.75	26.87	22.48	-27.33	-441.34	1,864.27	932.89	885.62	47.27	19.736		
5,400.00	5,284.03	5,236.57	5,226.51	27.39	22.87	-27.88	-442.35	1,865.32	914.23	866.04	48.19	18.972		
5,500.00	5,381.55	5,334.33	5,324.24	27.91	23.28	-28.39	-444.57	1,866.52	895.75	846.64	49.11	18.241		
5,600.00	5,479.07	5,432.09	5,421.97	28.43	23.68	-28.93	-446.74	1,867.70	877.32	827.30	50.03	17.538		
5,700.00	5,576.58	5,529.48	5,519.34	28.96	24.09	-29.54	-448.19	1,868.95	859.09	808.14	50.95	16.861		
5,800.00	5,674.10	5,627.26	5,617.11	29.48	24.49	-30.20	-449.23	1,870.09	840.86	788.98	51.88	16.208		
5,900.00	5,771.62	5,720.74	5,710.57	30.00	24.88	-30.88	-449.91	1,871.54	823.15	770.33	52.82	15.583		
6,000.00	5,869.14	5,818.88	5,808.69	30.53	25.29	-31.64	-450.48	1,873.29	805.82	752.06	53.76	14.989		
6,100.00	5,966.66	5,921.46	5,911.26	31.05	25.72	-32.46	-451.10	1,874.79	788.30	733.61	54.69	14.413		
6,200.00	6,064.18	6,023.42	6,013.22	31.58	26.14	-33.35	-451.49	1,875.53	770.25	714.62	55.63	13.846		
6,300.00	6,161.70	6,119.91	6,109.71	32.10	26.54	-34.24	-451.57	1,876.20	752.38	695.80	56.58	13.297		
6,400.00	6,259.22	6,224.06	6,213.86	32.62	26.98	-35.25	-451.77	1,876.49	734.29	676.78	57.51	12.767		
6,500.00	6,356.74	6,328.13	6,317.92	33.15	27.41	-36.33	-452.03	1,875.73	715.42	656.98	58.44	12.242		
6,600.00	6,454.25	6,428.24	6,418.02	33.67	27.83	-37.41	-452.43	1,874.45	696.24	636.85	59.38	11.724		
6,623.48	6,477.15	6,451.92	6,441.70	33.80	27.93	-37.68	-452.56	1,874.09	691.70	632.10	59.61	11.605		
6,650.00	6,503.12	6,478.78	6,468.55	33.93	28.04	-43.48	-452.72	1,873.64	687.10	627.24	59.85	11.480		
6,700.00	6,552.50	6,528.89	6,518.66	34.16	28.25	-62.76	-453.08	1,872.75	681.29	620.98	60.31	11.296		
6,750.00	6,602.21	6,578.67	6,568.43	34.36	28.46	-101.18	-453.43	1,871.83	679.34	618.58	60.75	11.182		
6,750.27	6,602.47	6,578.94	6,568.69	34.37	28.46	-101.43	-453.43	1,871.83	679.34	618.58	60.76	11.181 CC, ES		
6,800.00	6,651.92	6,630.09	6,619.84	34.54	28.68	-140.51	-453.79	1,870.85	681.21	620.05	61.16	11.139 SF		
6,850.00	6,701.33	6,682.49	6,672.22	34.70	28.90	-160.57	-454.20	1,869.65	686.74	625.22	61.52	11.163		
6,900.00	6,750.14	6,735.12	6,724.83	34.86	29.12	-170.47	-454.67	1,868.22	695.84	633.99	61.85	11.251		
6,950.00	6,798.04	6,787.40	6,777.08	35.02	29.34	-176.14	-455.20	1,866.52	708.40	646.24	62.15	11.398		
7,000.00	6,844.75	6,835.36	6,825.00	35.19	29.54	-179.84	-455.73	1,864.79	724.43	661.97	62.46	11.599		
7,050.00	6,889.97	6,880.90	6,870.51	35.37	29.73	177.50	-456.16	1,863.14	744.03	681.29	62.75	11.858		
7,100.00	6,933.42	6,926.89	6,916.47	35.57	29.92	175.44	-456.56	1,861.46	767.06	704.06	63.00	12.176		
7,150.00	6,974.83	6,972.63	6,962.17	35.79	30.12	173.73	-456.98	1,859.63	793.23	730.01	63.22	12.548		
7,200.00	7,013.96	7,015.75	7,005.25	36.02	30.30	172.22	-457.41	1,857.73	822.38	758.97	63.41	12.969		
7,250.00	7,050.56	7,055.66	7,045.11	36.28	30.47	170.79	-457.74	1,855.86	854.44	790.84	63.59	13.436		
7,300.00	7,084.39	7,092.98	7,082.39	36.57	30.63	169.33	-457.96	1,854.01	889.22	825.47	63.75	13.948		
7,350.00	7,115.27	7,126.15	7,115.51	36.89	30.77	167.75	-458.12	1,852.32	926.57	862.67	63.90	14.501		
7,400.00	7,142.99	7,155.96	7,145.28	37.25	30.90	165.93	-458.25	1,850.79	966.30	902.28	64.02	15.093		
7,450.00	7,167.38	7,182.56	7,171.84	37.65	31.01	163.72	-458.38	1,849.43	1,008.18	944.06	64.12	15.723		
7,500.00	7,188.30	7,205.77	7,195.03	38.08	31.11	160.91	-458.48	1,848.25	1,051.97	987.77	64.20	16.385		
7,550.00	7,205.61	7,225.46	7,214.69	38.55	31.20	157.11	-458.57	1,847.24	1,097.40	1,033.14	64.26	17.076		
7,600.00	7,219.20	7,241.50	7,230.71	39.06	31.26	151.68	-458.65	1,846.42	1,144.20	1,079.89	64.31	17.793		
7,650.00	7,229.00	7,253.80	7,242.99	39.61	31.32	143.41	-458.71	1,845.79	1,192.08	1,127.75	64.33	18.530		
7,700.00	7,234.95	7,262.28	7,251.46	40.18	31.35	130.07	-458.74	1,845.36	1,240.75	1,176.41	64.34	19.284		
7,750.07	7,237.00	7,266.88	7,256.05	40.78	31.37	108.76	-458.77	1,845.13	1,289.98	1,225.65	64.34	20.050		
7,800.00	7,237.09	7,269.52	7,258.70	41.41	31.38	109.44	-458.78	1,844.99	1,339.26	1,274.93	64.33	20.819		
7,900.00	7,237.28	7,274.82	7,263.98	42.79	31.41	110.76	-458.80	1,844.72	1,438.06	1,373.74	64.31	22.361		
8,000.00	7,237.47	7,280.11	7,269.27	44.31	31.43	112.07	-458.83	1,844.45	1,536.99	1,472.69	64.30	23.903		
8,100.00	7,237.65	7,285.41	7,274.56	45.97	31.45	113.35	-458.85	1,844.18	1,636.04	1,571.74	64.30	25.445		
8,200.00	7,237.84	7,290.70	7,279.84	47.75	31.48	114.61	-458.88	1,843.91	1,735.18	1,670.89	64.30	26.988		
8,300.00	7,238.02	7,295.99	7,285.13	49.63	31.50	115.85	-458.90	1,843.64	1,834.40	1,770.10	64.30	28.530		
8,400.00	7,238.21	7,301.29	7,290.42	51.61	31.52	117.06	-458.92	1,843.37	1,933.69	1,869.38	64.30	30.072		
8,500.00	7,238.40	7,306.58	7,295.71	53.66	31.54	118.24	-458.95	1,843.10	2,033.03	1,968.72	64.31	31.614		
8,600.00	7,238.58	7,311.88	7,300.99	55.79	31.57	119.40	-458.97	1,842.83	2,132.42	2,068.10	64.32	33.154		
8,700.00	7,238.77	7,317.17	7,306.28	57.99	31.59	120.53	-459.00	1,842.56	2,231.85	2,167.52	64.33	34.694		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,238.96	7,322.47	7,311.57	60.24	31.61	121.64	-459.02	1,842.28	2,331.32	2,266.97	64.34	36.232		
8,900.00	7,239.14	7,327.76	7,316.85	62.54	31.64	122.72	-459.05	1,842.01	2,430.82	2,366.46	64.36	37.770		
9,000.00	7,239.33	7,333.05	7,322.14	64.88	31.66	123.78	-459.07	1,841.74	2,530.35	2,465.97	64.38	39.306		
9,100.00	7,239.52	7,338.35	7,327.43	67.27	31.68	124.81	-459.09	1,841.47	2,629.90	2,565.51	64.39	40.840		
9,200.00	7,239.70	7,343.64	7,332.72	69.69	31.70	125.82	-459.12	1,841.20	2,729.48	2,665.06	64.42	42.373		
9,300.00	7,239.89	7,348.94	7,338.00	72.15	31.73	126.80	-459.14	1,840.93	2,829.07	2,764.64	64.44	43.904		
9,400.00	7,240.07	7,354.23	7,343.29	74.63	31.75	127.76	-459.17	1,840.66	2,928.69	2,864.23	64.46	45.434		
9,500.00	7,240.26	7,359.52	7,348.58	77.14	31.77	128.69	-459.19	1,840.39	3,028.32	2,963.83	64.49	46.961		
9,600.00	7,240.45	7,364.82	7,353.87	79.68	31.80	129.60	-459.22	1,840.12	3,127.96	3,063.45	64.51	48.487		
9,700.00	7,240.63	7,370.11	7,359.15	82.23	31.82	130.49	-459.24	1,839.85	3,227.62	3,163.08	64.54	50.010		
9,800.00	7,240.82	7,375.41	7,364.44	84.81	31.84	131.35	-459.27	1,839.58	3,327.29	3,262.72	64.57	51.531		
9,900.00	7,241.01	7,380.70	7,369.73	87.40	31.86	132.19	-459.29	1,839.31	3,426.97	3,362.37	64.60	53.050		
10,000.00	7,241.19	7,386.00	7,375.01	90.01	31.89	133.01	-459.31	1,839.04	3,526.66	3,462.03	64.63	54.567		
10,100.00	7,241.38	7,391.29	7,380.30	92.64	31.91	133.81	-459.34	1,838.77	3,626.37	3,561.70	64.66	56.081		
10,200.00	7,241.56	7,396.58	7,385.59	95.28	31.93	134.59	-459.36	1,838.50	3,726.07	3,661.38	64.70	57.592		
10,300.00	7,241.75	7,401.88	7,390.88	97.93	31.95	135.35	-459.39	1,838.23	3,825.79	3,761.06	64.73	59.101		
10,400.00	7,241.94	7,407.17	7,396.16	100.59	31.98	136.09	-459.41	1,837.96	3,925.52	3,860.75	64.77	60.607		
10,500.00	7,242.12	7,383.00	7,372.02	103.26	31.87	132.55	-459.30	1,839.19	4,025.35	3,960.56	64.79	62.126		
10,600.00	7,242.31	7,383.00	7,372.02	105.95	31.87	132.55	-459.30	1,839.19	4,125.13	4,060.30	64.83	63.631		
10,700.00	7,242.50	7,383.00	7,372.02	108.64	31.87	132.55	-459.30	1,839.19	4,224.92	4,160.05	64.86	65.135		
10,800.00	7,242.68	7,383.00	7,372.02	111.34	31.87	132.55	-459.30	1,839.19	4,324.71	4,259.81	64.90	66.636		
10,900.00	7,242.87	7,383.00	7,372.02	114.05	31.87	132.55	-459.30	1,839.19	4,424.52	4,359.58	64.94	68.134		
11,000.00	7,243.05	7,383.00	7,372.02	116.76	31.87	132.55	-459.30	1,839.19	4,524.33	4,459.36	64.98	69.630		
11,100.00	7,243.24	7,383.00	7,372.02	119.49	31.87	132.55	-459.30	1,839.19	4,624.16	4,559.14	65.02	71.124		
11,200.00	7,243.43	7,383.00	7,372.02	122.22	31.87	132.55	-459.30	1,839.19	4,723.99	4,658.93	65.06	72.615		
11,300.00	7,243.61	7,383.00	7,372.02	124.95	31.87	132.55	-459.30	1,839.19	4,823.82	4,758.73	65.10	74.103		
11,400.00	7,243.80	7,383.00	7,372.02	127.69	31.87	132.55	-459.30	1,839.19	4,923.67	4,858.53	65.14	75.588		
11,500.00	7,243.99	7,383.00	7,372.02	130.44	31.87	132.55	-459.30	1,839.19	5,023.52	4,958.33	65.18	77.071		
11,600.00	7,244.17	7,383.00	7,372.02	133.19	31.87	132.55	-459.30	1,839.19	5,123.37	5,058.15	65.22	78.550		
11,700.00	7,244.36	7,383.00	7,372.02	135.94	31.87	132.55	-459.30	1,839.19	5,223.23	5,157.96	65.27	80.027		
11,800.00	7,244.55	7,383.00	7,372.02	138.70	31.87	132.55	-459.30	1,839.19	5,323.10	5,257.78	65.31	81.500		
11,900.00	7,244.73	7,383.00	7,372.02	141.47	31.87	132.55	-459.30	1,839.19	5,422.97	5,357.61	65.36	82.971		
12,000.00	7,244.92	7,383.00	7,372.02	144.24	31.87	132.55	-459.30	1,839.19	5,522.84	5,457.44	65.41	84.438		
12,100.00	7,245.10	7,383.00	7,372.02	147.01	31.87	132.55	-459.30	1,839.19	5,622.72	5,557.27	65.46	85.902		
12,200.00	7,245.29	7,383.00	7,372.02	149.78	31.87	132.55	-459.30	1,839.19	5,722.61	5,657.10	65.50	87.362		
12,300.00	7,245.48	7,383.00	7,372.02	152.56	31.87	132.55	-459.30	1,839.19	5,822.50	5,756.94	65.55	88.819		
12,400.00	7,245.66	7,383.00	7,372.02	155.34	31.87	132.55	-459.30	1,839.19	5,922.39	5,856.78	65.61	90.273		
12,500.00	7,245.85	7,383.00	7,372.02	158.12	31.87	132.55	-459.30	1,839.19	6,022.29	5,956.63	65.66	91.723		
12,600.00	7,246.04	7,383.00	7,372.02	160.91	31.87	132.55	-459.30	1,839.19	6,122.18	6,056.48	65.71	93.170		
12,700.00	7,246.22	7,383.00	7,372.02	163.70	31.87	132.55	-459.30	1,839.19	6,222.09	6,156.32	65.76	94.613		
12,800.00	7,246.41	7,383.00	7,372.02	166.49	31.87	132.55	-459.30	1,839.19	6,321.99	6,256.17	65.82	96.053		
12,900.00	7,246.59	7,383.00	7,372.02	169.28	31.87	132.55	-459.30	1,839.19	6,421.90	6,356.03	65.87	97.488		
13,000.00	7,246.78	7,383.00	7,372.02	172.08	31.87	132.55	-459.30	1,839.19	6,521.81	6,455.88	65.93	98.920		
13,100.00	7,246.97	7,383.00	7,372.02	174.88	31.87	132.55	-459.30	1,839.19	6,621.73	6,555.74	65.99	100.348		
13,200.00	7,247.15	7,383.00	7,372.02	177.68	31.87	132.55	-459.30	1,839.19	6,721.64	6,655.60	66.05	101.773		
13,300.00	7,247.34	7,383.00	7,372.02	180.48	31.87	132.55	-459.30	1,839.19	6,821.56	6,755.46	66.10	103.193		
13,400.00	7,247.53	7,383.00	7,372.02	183.28	31.87	132.55	-459.30	1,839.19	6,921.48	6,855.32	66.17	104.609		
13,500.00	7,247.71	7,383.00	7,372.02	186.09	31.87	132.55	-459.30	1,839.19	7,021.41	6,955.18	66.23	106.022		
13,600.00	7,247.90	7,383.00	7,372.02	188.90	31.87	132.55	-459.30	1,839.19	7,121.33	7,055.04	66.29	107.430		
13,700.00	7,248.08	7,383.00	7,372.02	191.70	31.87	132.55	-459.30	1,839.19	7,221.26	7,154.91	66.35	108.834		
13,800.00	7,248.27	7,383.00	7,372.02	194.52	31.87	132.55	-459.30	1,839.19	7,321.19	7,254.77	66.41	110.234		
13,900.00	7,248.46	7,383.00	7,372.02	197.33	31.87	132.55	-459.30	1,839.19	7,421.12	7,354.64	66.48	111.630		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	7,383.00	7,372.02	200.14	31.87	132.55	-459.30	1,839.19	7,521.05	7,454.51	66.55	113.022		
14,100.00	7,248.83	7,383.00	7,372.02	202.95	31.87	132.55	-459.30	1,839.19	7,620.99	7,554.38	66.61	114.409		
14,200.00	7,249.02	7,383.00	7,372.02	205.77	31.87	132.55	-459.30	1,839.19	7,720.93	7,654.25	66.68	115.792		
14,300.00	7,249.20	7,383.00	7,372.02	208.59	31.87	132.55	-459.30	1,839.19	7,820.86	7,754.12	66.75	117.171		
14,400.00	7,249.39	7,383.00	7,372.02	211.41	31.87	132.55	-459.30	1,839.19	7,920.80	7,853.99	66.82	118.546		
14,500.00	7,249.58	7,383.00	7,372.02	214.23	31.87	132.55	-459.30	1,839.19	8,020.75	7,953.86	66.89	119.916		
14,600.00	7,249.76	7,383.00	7,372.02	217.05	31.87	132.55	-459.30	1,839.19	8,120.69	8,053.73	66.96	121.281		
14,700.00	7,249.95	7,383.00	7,372.02	219.87	31.87	132.55	-459.30	1,839.19	8,220.63	8,153.60	67.03	122.642		
14,800.00	7,250.13	7,383.00	7,372.02	222.69	31.87	132.55	-459.30	1,839.19	8,320.58	8,253.48	67.10	123.999		
14,900.00	7,250.32	7,383.00	7,372.02	225.51	31.87	132.55	-459.30	1,839.19	8,420.53	8,353.35	67.18	125.351		
15,000.00	7,250.51	7,383.00	7,372.02	228.34	31.87	132.55	-459.30	1,839.19	8,520.47	8,453.22	67.25	126.698		
15,100.00	7,250.69	7,383.00	7,372.02	231.16	31.87	132.55	-459.30	1,839.19	8,620.42	8,553.10	67.33	128.041		
15,200.00	7,250.88	7,383.00	7,372.02	233.99	31.87	132.55	-459.30	1,839.19	8,720.37	8,652.97	67.40	129.379		
15,300.00	7,251.07	7,383.00	7,372.02	236.82	31.87	132.55	-459.30	1,839.19	8,820.33	8,752.85	67.48	130.713		
15,400.00	7,251.25	7,383.00	7,372.02	239.65	31.87	132.55	-459.30	1,839.19	8,920.28	8,852.72	67.56	132.042		
15,500.00	7,251.44	7,383.00	7,372.02	242.47	31.87	132.55	-459.30	1,839.19	9,020.23	8,952.60	67.64	133.366		
15,600.00	7,251.62	7,383.00	7,372.02	245.30	31.87	132.55	-459.30	1,839.19	9,120.19	9,052.47	67.71	134.686		
15,700.00	7,251.81	7,383.00	7,372.02	248.13	31.87	132.55	-459.30	1,839.19	9,220.14	9,152.35	67.80	136.000		
15,800.00	7,252.00	7,383.00	7,372.02	250.97	31.87	132.55	-459.30	1,839.19	9,320.10	9,252.22	67.88	137.310		
15,900.00	7,252.18	7,383.00	7,372.02	253.80	31.87	132.55	-459.30	1,839.19	9,420.06	9,352.10	67.96	138.615		
16,000.00	7,252.37	7,383.00	7,372.02	256.63	31.87	132.55	-459.30	1,839.19	9,520.02	9,451.97	68.04	139.916		
16,100.00	7,252.56	7,383.00	7,372.02	259.46	31.87	132.55	-459.30	1,839.19	9,619.98	9,551.85	68.12	141.211		
16,200.00	7,252.74	7,383.00	7,372.02	262.30	31.87	132.55	-459.30	1,839.19	9,719.94	9,651.73	68.21	142.502		
16,300.00	7,252.93	7,383.00	7,372.02	265.13	31.87	132.55	-459.30	1,839.19	9,819.90	9,751.60	68.29	143.787		
16,400.00	7,253.11	7,383.00	7,372.02	267.96	31.87	132.55	-459.30	1,839.19	9,919.86	9,851.48	68.38	145.068		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-162.89	-3,351.96	-1,031.61	3,507.20					
100.00	100.00	75.00	75.00	3.28	3.53	-162.89	-3,351.96	-1,031.61	3,507.11	3,500.29	6.82	514.517		
200.00	200.00	175.00	175.00	3.34	5.46	-162.89	-3,351.96	-1,031.61	3,507.11	3,498.31	8.80	398.715		
300.00	300.00	275.00	275.00	3.44	8.51	-162.89	-3,351.96	-1,031.61	3,507.11	3,495.15	11.96	293.310		
400.00	399.98	374.98	374.98	3.60	11.81	81.14	-3,351.96	-1,031.61	3,506.84	3,491.43	15.41	227.605		
500.00	499.84	474.84	474.84	3.79	15.19	81.24	-3,351.96	-1,031.61	3,506.04	3,487.06	18.98	184.713		
600.00	599.45	574.45	574.45	4.03	18.60	81.41	-3,351.96	-1,031.61	3,504.72	3,482.09	22.63	154.889		
700.00	698.70	673.70	673.70	4.30	22.02	81.64	-3,351.96	-1,031.61	3,502.91	3,476.59	26.32	133.090		
800.00	797.47	772.47	772.47	4.61	25.43	81.93	-3,351.96	-1,031.61	3,500.65	3,470.60	30.04	116.520		
900.00	895.62	870.62	870.62	4.96	28.84	82.29	-3,351.96	-1,031.61	3,497.98	3,464.19	33.79	103.528		
939.50	934.20	909.20	909.20	5.10	30.17	82.45	-3,351.96	-1,031.61	3,496.83	3,461.55	35.27	99.142		
1,000.00	993.20	968.20	968.20	5.33	32.22	82.66	-3,351.96	-1,031.61	3,495.05	3,457.50	37.55	93.079		
1,100.00	1,090.72	1,065.72	1,065.72	5.73	35.61	83.01	-3,351.96	-1,031.61	3,492.22	3,450.88	41.34	84.480		
1,200.00	1,188.24	1,163.24	1,163.24	6.15	39.00	83.36	-3,351.96	-1,031.61	3,489.52	3,444.38	45.15	77.291		
1,300.00	1,285.76	1,260.76	1,260.76	6.59	42.39	83.72	-3,351.96	-1,031.61	3,486.97	3,437.99	48.98	71.198		
1,400.00	1,383.28	1,358.28	1,358.28	7.04	45.79	84.07	-3,351.96	-1,031.61	3,484.56	3,431.74	52.82	65.973		
1,500.00	1,480.80	1,455.80	1,455.80	7.50	49.19	84.42	-3,351.96	-1,031.61	3,482.28	3,425.61	56.67	61.447		
1,600.00	1,578.31	1,553.31	1,553.31	7.96	52.58	84.78	-3,351.96	-1,031.61	3,480.14	3,419.61	60.54	57.490		
1,700.00	1,675.83	1,650.83	1,650.83	8.44	55.98	85.13	-3,351.96	-1,031.61	3,478.15	3,413.74	64.41	54.003		
1,800.00	1,773.35	1,748.35	1,748.35	8.92	59.38	85.48	-3,351.96	-1,031.61	3,476.29	3,408.00	68.29	50.908		
1,900.00	1,870.87	1,845.87	1,845.87	9.40	62.78	85.84	-3,351.96	-1,031.61	3,474.57	3,402.40	72.17	48.144		
2,000.00	1,968.39	1,943.39	1,943.39	9.89	66.18	86.19	-3,351.96	-1,031.61	3,473.00	3,396.94	76.06	45.662		
2,100.00	2,065.91	2,040.91	2,040.91	10.39	69.58	86.55	-3,351.96	-1,031.61	3,471.56	3,391.61	79.95	43.420		
2,200.00	2,163.43	2,138.43	2,138.43	10.88	72.98	86.91	-3,351.96	-1,031.61	3,470.26	3,386.41	83.85	41.387		
2,300.00	2,260.95	2,235.95	2,235.95	11.38	76.38	87.26	-3,351.96	-1,031.61	3,469.11	3,381.36	87.75	39.534		
2,400.00	2,358.46	2,333.46	2,333.46	11.89	79.78	87.62	-3,351.96	-1,031.61	3,468.09	3,376.44	91.65	37.839		
2,500.00	2,455.98	2,430.98	2,430.98	12.39	83.18	87.97	-3,351.96	-1,031.61	3,467.22	3,371.66	95.56	36.283		
2,600.00	2,553.50	2,528.50	2,528.50	12.89	86.59	88.33	-3,351.96	-1,031.61	3,466.49	3,367.02	99.47	34.850		
2,700.00	2,651.02	2,626.02	2,626.02	13.40	89.99	88.69	-3,351.96	-1,031.61	3,465.90	3,362.52	103.38	33.526		
2,800.00	2,748.54	2,723.54	2,723.54	13.91	93.39	89.04	-3,351.96	-1,031.61	3,465.45	3,358.16	107.29	32.300		
2,900.00	2,846.06	2,821.06	2,821.06	14.42	96.79	89.40	-3,351.96	-1,031.61	3,465.14	3,353.94	111.20	31.160		
3,000.00	2,943.58	2,918.58	2,918.58	14.93	100.20	89.76	-3,351.96	-1,031.61	3,464.98	3,349.86	115.12	30.099		
3,067.62	3,009.52	2,984.52	2,984.52	15.28	102.50	90.00	-3,351.96	-1,031.61	3,464.94	3,347.18	117.77	29.422		
3,100.00	3,041.10	3,016.10	3,016.10	15.45	103.60	90.12	-3,351.96	-1,031.61	3,464.95	3,345.92	119.03	29.109		
3,200.00	3,138.61	3,113.61	3,113.61	15.96	107.00	90.47	-3,351.96	-1,031.61	3,465.07	3,342.12	122.95	28.182		
3,300.00	3,236.13	3,211.13	3,211.13	16.47	110.40	90.83	-3,351.96	-1,031.61	3,465.33	3,338.46	126.87	27.314		
3,400.00	3,333.65	3,308.65	3,308.65	16.99	113.81	91.19	-3,351.96	-1,031.61	3,465.73	3,334.94	130.79	26.499		
3,500.00	3,431.17	3,406.17	3,406.17	17.50	117.21	91.54	-3,351.96	-1,031.61	3,466.27	3,331.56	134.71	25.732		
3,600.00	3,528.69	3,503.69	3,503.69	18.02	120.61	91.90	-3,351.96	-1,031.61	3,466.95	3,328.32	138.63	25.009		
3,700.00	3,626.21	3,601.21	3,601.21	18.54	124.02	92.26	-3,351.96	-1,031.61	3,467.77	3,325.22	142.55	24.327		
3,800.00	3,723.73	3,701.27	3,698.73	19.06	127.51	92.61	-3,351.96	-1,031.61	3,468.74	3,322.17	146.56	23.668		
3,900.00	3,821.25	3,803.75	3,796.25	19.57	131.08	92.97	-3,351.96	-1,031.61	3,469.84	3,319.18	150.66	23.032		
4,000.00	3,918.77	3,906.24	3,893.77	20.09	134.66	93.32	-3,351.96	-1,031.61	3,471.09	3,316.33	154.75	22.430		
4,100.00	4,016.28	4,008.72	3,991.28	20.61	138.24	93.68	-3,351.96	-1,031.61	3,472.47	3,313.62	158.85	21.860		
4,200.00	4,113.80	4,088.80	4,088.80	21.13	141.03	94.04	-3,351.96	-1,031.61	3,474.00	3,311.84	162.16	21.423		
4,300.00	4,211.32	4,186.32	4,186.32	21.65	144.44	94.39	-3,351.96	-1,031.61	3,475.67	3,309.58	166.09	20.927		
4,400.00	4,308.84	4,283.84	4,283.84	22.17	147.84	94.75	-3,351.96	-1,031.61	3,477.48	3,307.46	170.01	20.454		
4,500.00	4,406.36	4,381.36	4,381.36	22.69	151.24	95.10	-3,351.96	-1,031.61	3,479.42	3,305.49	173.94	20.004		
4,600.00	4,503.88	4,478.88	4,478.88	23.21	154.65	95.45	-3,351.96	-1,031.61	3,481.51	3,303.65	177.86	19.574		
4,700.00	4,601.40	4,576.40	4,576.40	23.73	158.05	95.81	-3,351.96	-1,031.61	3,483.74	3,301.95	181.78	19.164		
4,800.00	4,698.92	4,673.92	4,673.92	24.26	161.45	96.16	-3,351.96	-1,031.61	3,486.10	3,300.39	185.71	18.772		
4,900.00	4,796.43	4,771.43	4,771.43	24.78	164.86	96.51	-3,351.96	-1,031.61	3,488.61	3,298.97	189.63	18.397		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,868.95	4,868.95	25.30	168.26	96.87	-3,351.96	-1,031.61	3,491.25	3,297.69	193.56	18.037		
5,100.00	4,991.47	4,966.47	4,966.47	25.82	171.67	97.22	-3,351.96	-1,031.61	3,494.03	3,296.55	197.48	17.693		
5,200.00	5,088.99	5,063.99	5,063.99	26.34	175.07	97.57	-3,351.96	-1,031.61	3,496.95	3,295.55	201.41	17.363		
5,300.00	5,186.51	5,161.51	5,161.51	26.87	178.47	97.92	-3,351.96	-1,031.61	3,500.01	3,294.68	205.33	17.046		
5,400.00	5,284.03	5,259.03	5,259.03	27.39	181.88	98.27	-3,351.96	-1,031.61	3,503.20	3,293.95	209.26	16.741		
5,500.00	5,381.55	5,356.55	5,356.55	27.91	185.28	98.62	-3,351.96	-1,031.61	3,506.54	3,293.35	213.18	16.449		
5,600.00	5,479.07	5,454.07	5,454.07	28.43	188.68	98.97	-3,351.96	-1,031.61	3,510.00	3,292.90	217.11	16.167		
5,700.00	5,576.58	5,551.58	5,551.58	28.96	192.09	99.31	-3,351.96	-1,031.61	3,513.61	3,292.58	221.03	15.896		
5,800.00	5,674.10	5,649.10	5,649.10	29.48	195.49	99.66	-3,351.96	-1,031.61	3,517.35	3,292.39	224.96	15.636		
5,900.00	5,771.62	5,746.62	5,746.62	30.00	198.90	100.01	-3,351.96	-1,031.61	3,521.22	3,292.34	228.88	15.385		
6,000.00	5,869.14	5,844.14	5,844.14	30.53	202.30	100.35	-3,351.96	-1,031.61	3,525.23	3,292.43	232.80	15.143		
6,100.00	5,966.66	5,941.66	5,941.66	31.05	205.70	100.70	-3,351.96	-1,031.61	3,529.37	3,292.65	236.73	14.909		
6,200.00	6,064.18	6,039.18	6,039.18	31.58	209.11	101.04	-3,351.96	-1,031.61	3,533.65	3,293.00	240.65	14.684		
6,300.00	6,161.70	6,136.70	6,136.70	32.10	212.51	101.39	-3,351.96	-1,031.61	3,538.06	3,293.49	244.57	14.466		
6,400.00	6,259.22	6,234.22	6,234.22	32.62	215.92	101.73	-3,351.96	-1,031.61	3,542.61	3,294.11	248.50	14.256		
6,500.00	6,356.74	6,331.74	6,331.74	33.15	219.32	102.07	-3,351.96	-1,031.61	3,547.28	3,294.86	252.42	14.053		
6,600.00	6,454.25	6,429.25	6,429.25	33.67	222.72	102.41	-3,351.96	-1,031.61	3,552.09	3,295.75	256.34	13.857		
6,623.48	6,477.15	6,452.15	6,452.15	33.80	223.52	102.49	-3,351.96	-1,031.61	3,553.24	3,295.98	257.26	13.812		
6,650.00	6,503.12	6,478.12	6,478.12	33.93	224.43	97.05	-3,351.96	-1,031.61	3,554.20	3,295.89	258.30	13.760		
6,700.00	6,552.50	6,527.50	6,527.50	34.16	226.15	78.28	-3,351.96	-1,031.61	3,554.13	3,293.87	260.26	13.656		
6,750.00	6,602.21	6,577.21	6,577.21	34.36	227.89	40.14	-3,351.96	-1,031.61	3,551.60	3,289.41	262.19	13.546		
6,800.00	6,651.92	6,626.92	6,626.92	34.54	229.62	0.89	-3,351.96	-1,031.61	3,546.61	3,282.51	264.10	13.429		
6,850.00	6,701.33	6,676.33	6,676.33	34.70	231.35	-19.32	-3,351.96	-1,031.61	3,539.19	3,273.20	265.99	13.306		
6,900.00	6,750.14	6,725.14	6,725.14	34.86	233.05	-29.59	-3,351.96	-1,031.61	3,529.38	3,261.54	267.85	13.177		
6,950.00	6,798.04	6,773.04	6,773.04	35.02	234.72	-35.89	-3,351.96	-1,031.61	3,517.27	3,247.59	269.68	13.043		
7,000.00	6,844.75	6,819.75	6,819.75	35.19	236.36	-40.44	-3,351.96	-1,031.61	3,502.94	3,231.47	271.47	12.904		
7,050.00	6,889.97	6,864.97	6,864.97	35.37	237.93	-44.18	-3,351.96	-1,031.61	3,486.50	3,213.28	273.22	12.761		
7,100.00	6,933.42	6,908.42	6,908.42	35.57	239.45	-47.53	-3,351.96	-1,031.61	3,468.10	3,193.19	274.91	12.615		
7,150.00	6,974.83	6,949.83	6,949.83	35.79	240.90	-50.73	-3,351.96	-1,031.61	3,447.89	3,171.34	276.56	12.467		
7,200.00	7,013.96	6,988.96	6,988.96	36.02	242.26	-53.90	-3,351.96	-1,031.61	3,426.04	3,147.91	278.13	12.318		
7,250.00	7,050.56	7,025.56	7,025.56	36.28	243.54	-57.12	-3,351.96	-1,031.61	3,402.74	3,123.10	279.64	12.168		
7,300.00	7,084.39	7,059.39	7,059.39	36.57	244.72	-60.41	-3,351.96	-1,031.61	3,378.19	3,097.12	281.07	12.019		
7,350.00	7,115.27	7,109.73	7,109.73	36.89	246.48	-63.79	-3,351.96	-1,031.61	3,352.60	3,069.49	283.11	11.842		
7,400.00	7,142.99	7,117.99	7,117.99	37.25	246.77	-67.23	-3,351.96	-1,031.61	3,326.19	3,042.49	283.70	11.724		
7,450.00	7,167.38	7,142.38	7,142.38	37.65	247.62	-70.72	-3,351.96	-1,031.61	3,299.19	3,014.30	284.90	11.580		
7,500.00	7,188.30	7,163.30	7,163.30	38.08	248.35	-74.20	-3,351.96	-1,031.61	3,271.83	2,985.83	286.00	11.440		
7,550.00	7,205.61	7,180.61	7,180.61	38.55	248.95	-77.64	-3,351.96	-1,031.61	3,244.34	2,957.33	287.01	11.304		
7,600.00	7,219.20	7,205.80	7,194.20	39.06	249.83	-80.98	-3,351.96	-1,031.61	3,216.95	2,928.61	288.33	11.157		
7,650.00	7,229.00	7,204.00	7,204.00	39.61	249.77	-84.17	-3,351.96	-1,031.61	3,189.87	2,901.12	288.75	11.047		
7,700.00	7,234.95	7,209.95	7,209.95	40.18	249.98	-87.17	-3,351.96	-1,031.61	3,163.32	2,873.85	289.47	10.928		
7,750.07	7,237.00	7,212.00	7,212.00	40.78	250.05	-89.94	-3,351.96	-1,031.61	3,137.47	2,847.39	290.08	10.816		
7,800.00	7,237.09	7,212.09	7,212.09	41.41	250.05	-89.94	-3,351.96	-1,031.61	3,112.41	2,821.76	290.66	10.708		
7,900.00	7,237.28	7,212.28	7,212.28	42.79	250.06	-89.94	-3,351.96	-1,031.61	3,064.07	2,772.12	291.94	10.495		
8,000.00	7,237.47	7,212.47	7,212.47	44.31	250.06	-89.95	-3,351.96	-1,031.61	3,018.26	2,724.86	293.40	10.287		
8,100.00	7,237.65	7,212.65	7,212.65	45.97	250.07	-89.95	-3,351.96	-1,031.61	2,975.12	2,680.09	295.03	10.084		
8,200.00	7,237.84	7,212.84	7,212.84	47.75	250.08	-89.95	-3,351.96	-1,031.61	2,934.74	2,637.94	296.80	9.888		
8,300.00	7,238.02	7,213.02	7,213.02	49.63	250.08	-89.96	-3,351.96	-1,031.61	2,897.26	2,598.53	298.72	9.699		
8,400.00	7,238.21	7,213.21	7,213.21	51.61	250.09	-89.96	-3,351.96	-1,031.61	2,862.78	2,562.00	300.77	9.518		
8,500.00	7,238.40	7,213.40	7,213.40	53.66	250.10	-89.97	-3,351.96	-1,031.61	2,831.41	2,528.47	302.94	9.347		
8,600.00	7,238.58	7,213.58	7,213.58	55.79	250.10	-89.97	-3,351.96	-1,031.61	2,803.26	2,498.06	305.20	9.185		
8,700.00	7,238.77	7,213.77	7,213.77	57.99	250.11	-89.97	-3,351.96	-1,031.61	2,778.43	2,470.89	307.54	9.034		
8,800.00	7,238.96	7,213.96	7,213.96	60.24	250.12	-89.98	-3,351.96	-1,031.61	2,757.01	2,447.06	309.95	8.895		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference 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				
8,900.00	7,239.14	7,214.14	7,214.14	62.54	250.12	-89.98	-3,351.96	-1,031.61	2,739.06	2,426.67	312.40	8.768				
9,000.00	7,239.33	7,214.33	7,214.33	64.88	250.13	-89.99	-3,351.96	-1,031.61	2,724.68	2,409.80	314.87	8.653				
9,100.00	7,239.52	7,214.52	7,214.52	67.27	250.14	-89.99	-3,351.96	-1,031.61	2,713.90	2,396.54	317.36	8.552				
9,200.00	7,239.70	7,214.70	7,214.70	69.69	250.14	-89.99	-3,351.96	-1,031.61	2,706.78	2,386.95	319.83	8.463				
9,300.00	7,239.89	7,214.89	7,214.89	72.15	250.15	-90.00	-3,351.96	-1,031.61	2,703.34	2,381.06	322.28	8.388				
9,343.02	7,239.97	7,214.97	7,214.97	73.22	250.15	-90.00	-3,351.96	-1,031.61	2,703.00	2,379.68	323.32	8.360	CC			
9,400.00	7,240.07	7,215.07	7,215.07	74.63	250.15	-90.00	-3,351.96	-1,031.61	2,703.60	2,378.92	324.68	8.327	ES			
9,500.00	7,240.26	7,215.26	7,215.26	77.14	250.16	-90.01	-3,351.96	-1,031.61	2,707.55	2,380.52	327.03	8.279				
9,600.00	7,240.45	7,215.45	7,215.45	79.68	250.17	-90.01	-3,351.96	-1,031.61	2,715.19	2,385.88	329.31	8.245				
9,700.00	7,240.63	7,215.63	7,215.63	82.23	250.17	-90.01	-3,351.96	-1,031.61	2,726.47	2,394.97	331.50	8.225				
9,800.00	7,240.82	7,215.82	7,215.82	84.81	250.18	-90.02	-3,351.96	-1,031.61	2,741.36	2,407.75	333.61	8.217	SF			
9,900.00	7,241.01	7,216.01	7,216.01	87.40	250.19	-90.02	-3,351.96	-1,031.61	2,759.79	2,424.18	335.61	8.223				
10,000.00	7,241.19	7,216.19	7,216.19	90.01	250.19	-90.03	-3,351.96	-1,031.61	2,781.69	2,444.19	337.50	8.242				
10,100.00	7,241.38	7,216.38	7,216.38	92.64	250.20	-90.03	-3,351.96	-1,031.61	2,806.99	2,467.70	339.29	8.273				
10,200.00	7,241.56	7,216.56	7,216.56	95.28	250.21	-90.03	-3,351.96	-1,031.61	2,835.60	2,494.63	340.96	8.316				
10,300.00	7,241.75	7,216.75	7,216.75	97.93	250.21	-90.04	-3,351.96	-1,031.61	2,867.40	2,524.88	342.52	8.371				
10,400.00	7,241.94	7,216.94	7,216.94	100.59	250.22	-90.04	-3,351.96	-1,031.61	2,902.31	2,558.34	343.97	8.438				
10,500.00	7,242.12	7,217.12	7,217.12	103.26	250.23	-90.05	-3,351.96	-1,031.61	2,940.20	2,594.91	345.30	8.515				
10,600.00	7,242.31	7,217.31	7,217.31	105.95	250.23	-90.05	-3,351.96	-1,031.61	2,980.97	2,634.45	346.52	8.603				
10,700.00	7,242.50	7,217.50	7,217.50	108.64	250.24	-90.05	-3,351.96	-1,031.61	3,024.50	2,676.86	347.64	8.700				
10,800.00	7,242.68	7,217.68	7,217.68	111.34	250.25	-90.06	-3,351.96	-1,031.61	3,070.66	2,722.01	348.65	8.807				
10,900.00	7,242.87	7,217.87	7,217.87	114.05	250.25	-90.06	-3,351.96	-1,031.61	3,119.35	2,769.79	349.57	8.923				
11,000.00	7,243.05	7,218.05	7,218.05	116.76	250.26	-90.07	-3,351.96	-1,031.61	3,170.45	2,820.06	350.39	9.048				
11,100.00	7,243.24	7,218.24	7,218.24	119.49	250.27	-90.07	-3,351.96	-1,031.61	3,223.84	2,872.71	351.13	9.181				
11,200.00	7,243.43	7,218.43	7,218.43	122.22	250.27	-90.07	-3,351.96	-1,031.61	3,279.41	2,927.63	351.79	9.322				
11,300.00	7,243.61	7,218.61	7,218.61	124.95	250.28	-90.08	-3,351.96	-1,031.61	3,337.06	2,984.69	352.37	9.470				
11,400.00	7,243.80	7,218.80	7,218.80	127.69	250.28	-90.08	-3,351.96	-1,031.61	3,396.67	3,043.78	352.88	9.626				
11,500.00	7,243.99	7,218.99	7,218.99	130.44	250.29	-90.09	-3,351.96	-1,031.61	3,458.14	3,104.81	353.33	9.787				
11,600.00	7,244.17	7,219.17	7,219.17	133.19	250.30	-90.09	-3,351.96	-1,031.61	3,521.38	3,167.67	353.71	9.955				
11,700.00	7,244.36	7,219.36	7,219.36	135.94	250.30	-90.09	-3,351.96	-1,031.61	3,586.30	3,232.25	354.05	10.129				
11,800.00	7,244.55	7,219.55	7,219.55	138.70	250.31	-90.10	-3,351.96	-1,031.61	3,652.80	3,298.47	354.33	10.309				
11,900.00	7,244.73	7,219.73	7,219.73	141.47	250.32	-90.10	-3,351.96	-1,031.61	3,720.79	3,366.23	354.57	10.494				
12,000.00	7,244.92	7,219.92	7,219.92	144.24	250.32	-90.10	-3,351.96	-1,031.61	3,790.21	3,435.45	354.76	10.684				
12,100.00	7,245.10	7,220.10	7,220.10	147.01	250.33	-90.11	-3,351.96	-1,031.61	3,860.97	3,506.05	354.92	10.878				
12,200.00	7,245.29	7,220.29	7,220.29	149.78	250.34	-90.11	-3,351.96	-1,031.61	3,933.00	3,577.96	355.04	11.078				
12,300.00	7,245.48	7,220.48	7,220.48	152.56	250.34	-90.12	-3,351.96	-1,031.61	4,006.23	3,651.10	355.13	11.281				
12,400.00	7,245.66	7,220.66	7,220.66	155.34	250.35	-90.12	-3,351.96	-1,031.61	4,080.60	3,725.40	355.20	11.488				
12,500.00	7,245.85	7,220.85	7,220.85	158.12	250.36	-90.12	-3,351.96	-1,031.61	4,156.04	3,800.80	355.24	11.699				
12,600.00	7,246.04	7,221.04	7,221.04	160.91	250.36	-90.13	-3,351.96	-1,031.61	4,232.50	3,877.24	355.26	11.914				
12,700.00	7,246.22	7,221.22	7,221.22	163.70	250.37	-90.13	-3,351.96	-1,031.61	4,309.92	3,954.67	355.25	12.132				
12,800.00	7,246.41	7,221.41	7,221.41	166.49	250.38	-90.14	-3,351.96	-1,031.61	4,388.26	4,033.03	355.23	12.353				
12,900.00	7,246.59	7,221.59	7,221.59	169.28	250.38	-90.14	-3,351.96	-1,031.61	4,467.46	4,112.27	355.20	12.577				
13,000.00	7,246.78	7,221.78	7,221.78	172.08	250.39	-90.14	-3,351.96	-1,031.61	4,547.49	4,192.34	355.15	12.805				
13,100.00	7,246.97	7,221.97	7,221.97	174.88	250.40	-90.15	-3,351.96	-1,031.61	4,628.28	4,273.20	355.08	13.034				
13,200.00	7,247.15	7,222.15	7,222.15	177.68	250.40	-90.15	-3,351.96	-1,031.61	4,709.82	4,354.81	355.01	13.267				
13,300.00	7,247.34	7,222.34	7,222.34	180.48	250.41	-90.16	-3,351.96	-1,031.61	4,792.06	4,437.13	354.93	13.501				
13,400.00	7,247.53	7,222.53	7,222.53	183.28	250.41	-90.16	-3,351.96	-1,031.61	4,874.96	4,520.12	354.84	13.739				
13,500.00	7,247.71	7,222.71	7,222.71	186.09	250.42	-90.16	-3,351.96	-1,031.61	4,958.49	4,603.75	354.74	13.978				
13,600.00	7,247.90	7,222.90	7,222.90	188.90	250.43	-90.17	-3,351.96	-1,031.61	5,042.62	4,687.98	354.64	14.219				
13,700.00	7,248.08	7,223.08	7,223.08	191.70	250.43	-90.17	-3,351.96	-1,031.61	5,127.32	4,772.79	354.53	14.462				
13,800.00	7,248.27	7,223.27	7,223.27	194.52	250.44	-90.18	-3,351.96	-1,031.61	5,212.56	4,858.15	354.41	14.708				
13,900.00	7,248.46	7,223.46	7,223.46	197.33	250.45	-90.18	-3,351.96	-1,031.61	5,298.32	4,944.02	354.29	14.955				

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,248.64	7,223.64	7,223.64	200.14	250.45	-90.18	-3,351.96	-1,031.61	5,384.57	5,030.39	354.17	15.203		
14,100.00	7,248.83	7,223.83	7,223.83	202.95	250.46	-90.19	-3,351.96	-1,031.61	5,471.28	5,117.23	354.05	15.453		
14,200.00	7,249.02	7,224.02	7,224.02	205.77	250.47	-90.19	-3,351.96	-1,031.61	5,558.45	5,204.52	353.92	15.705		
14,300.00	7,249.20	7,224.20	7,224.20	208.59	250.47	-90.20	-3,351.96	-1,031.61	5,646.04	5,292.24	353.80	15.958		
14,400.00	7,249.39	7,224.39	7,224.39	211.41	250.48	-90.20	-3,351.96	-1,031.61	5,734.03	5,380.36	353.67	16.213		
14,500.00	7,249.58	7,224.58	7,224.58	214.23	250.49	-90.20	-3,351.96	-1,031.61	5,822.41	5,468.88	353.54	16.469		
14,600.00	7,249.76	7,224.76	7,224.76	217.05	250.49	-90.21	-3,351.96	-1,031.61	5,911.17	5,557.76	353.41	16.726		
14,700.00	7,249.95	7,224.95	7,224.95	219.87	250.50	-90.21	-3,351.96	-1,031.61	6,000.27	5,646.99	353.28	16.984		
14,800.00	7,250.13	7,225.13	7,225.13	222.69	250.51	-90.22	-3,351.96	-1,031.61	6,089.72	5,736.57	353.15	17.244		
14,900.00	7,250.32	7,225.32	7,225.32	225.51	250.51	-90.22	-3,351.96	-1,031.61	6,179.49	5,826.46	353.02	17.504		
15,000.00	7,250.51	7,225.51	7,225.51	228.34	250.52	-90.22	-3,351.96	-1,031.61	6,269.57	5,916.67	352.90	17.766		
15,100.00	7,250.69	7,225.69	7,225.69	231.16	250.53	-90.23	-3,351.96	-1,031.61	6,359.94	6,007.17	352.77	18.029		
15,200.00	7,250.88	7,225.88	7,225.88	233.99	250.53	-90.23	-3,351.96	-1,031.61	6,450.60	6,097.96	352.64	18.292		
15,300.00	7,251.07	7,226.07	7,226.07	236.82	250.54	-90.24	-3,351.96	-1,031.61	6,541.53	6,189.01	352.52	18.557		
15,400.00	7,251.25	7,226.25	7,226.25	239.65	250.54	-90.24	-3,351.96	-1,031.61	6,632.72	6,280.33	352.40	18.822		
15,500.00	7,251.44	7,226.44	7,226.44	242.47	250.55	-90.24	-3,351.96	-1,031.61	6,724.17	6,371.89	352.27	19.088		
15,600.00	7,251.62	7,226.62	7,226.62	245.30	250.56	-90.25	-3,351.96	-1,031.61	6,815.85	6,463.70	352.16	19.355		
15,700.00	7,251.81	7,226.81	7,226.81	248.13	250.56	-90.25	-3,351.96	-1,031.61	6,907.76	6,555.73	352.04	19.622		
15,800.00	7,252.00	7,227.00	7,227.00	250.97	250.57	-90.25	-3,351.96	-1,031.61	6,999.90	6,647.98	351.92	19.891		
15,900.00	7,252.18	7,227.18	7,227.18	253.80	250.58	-90.26	-3,351.96	-1,031.61	7,092.25	6,740.44	351.81	20.160		
16,000.00	7,252.37	7,227.37	7,227.37	256.63	250.58	-90.26	-3,351.96	-1,031.61	7,184.80	6,833.11	351.69	20.429		
16,100.00	7,252.56	7,227.56	7,227.56	259.46	250.59	-90.27	-3,351.96	-1,031.61	7,277.55	6,925.97	351.58	20.699		
16,200.00	7,252.74	7,227.74	7,227.74	262.30	250.60	-90.27	-3,351.96	-1,031.61	7,370.49	7,019.02	351.47	20.970		
16,300.00	7,252.93	7,227.93	7,227.93	265.13	250.60	-90.27	-3,351.96	-1,031.61	7,463.61	7,112.25	351.37	21.242		
16,400.00	7,253.11	7,228.11	7,228.11	267.96	250.61	-90.28	-3,351.96	-1,031.61	7,556.91	7,205.65	351.26	21.514		
16,500.00	7,253.30	7,228.30	7,228.30	270.80	250.62	-90.28	-3,351.96	-1,031.61	7,650.38	7,299.22	351.16	21.786		
16,600.00	7,253.49	7,228.49	7,228.49	273.64	250.62	-90.29	-3,351.96	-1,031.61	7,744.01	7,392.95	351.06	22.059		
16,700.00	7,253.67	7,228.67	7,228.67	276.47	250.63	-90.29	-3,351.96	-1,031.61	7,837.80	7,486.84	350.96	22.332		
16,800.00	7,253.86	7,228.86	7,228.86	279.31	250.64	-90.29	-3,351.96	-1,031.61	7,931.74	7,580.88	350.86	22.606		
16,900.00	7,254.05	7,229.05	7,229.05	282.15	250.64	-90.30	-3,351.96	-1,031.61	8,025.83	7,675.06	350.77	22.881		
17,000.00	7,254.23	7,229.23	7,229.23	284.98	250.65	-90.30	-3,351.96	-1,031.61	8,120.05	7,769.38	350.68	23.155		
17,100.00	7,254.42	7,229.42	7,229.42	287.82	250.66	-90.31	-3,351.96	-1,031.61	8,214.42	7,863.83	350.59	23.430		
17,200.00	7,254.61	7,229.61	7,229.61	290.66	250.66	-90.31	-3,351.96	-1,031.61	8,308.91	7,958.41	350.50	23.706		
17,300.00	7,254.79	7,229.79	7,229.79	293.50	250.67	-90.31	-3,351.96	-1,031.61	8,403.54	8,053.12	350.41	23.982		
17,400.00	7,254.98	7,229.98	7,229.98	296.34	250.67	-90.32	-3,351.96	-1,031.61	8,498.28	8,147.95	350.33	24.258		
17,500.00	7,255.16	7,230.16	7,230.16	299.18	250.68	-90.32	-3,351.96	-1,031.61	8,593.15	8,242.90	350.25	24.534		
17,600.00	7,255.35	7,230.35	7,230.35	302.02	250.69	-90.33	-3,351.96	-1,031.61	8,688.13	8,337.96	350.17	24.811		
17,700.00	7,255.54	7,230.54	7,230.54	304.86	250.69	-90.33	-3,351.96	-1,031.61	8,783.22	8,433.13	350.09	25.088		
17,800.00	7,255.72	7,230.72	7,230.72	307.70	250.70	-90.33	-3,351.96	-1,031.61	8,878.42	8,528.41	350.02	25.366		
17,900.00	7,255.91	7,230.91	7,230.91	310.54	250.71	-90.34	-3,351.96	-1,031.61	8,973.73	8,623.78	349.94	25.643		
18,000.00	7,256.10	7,231.10	7,231.10	313.39	250.71	-90.34	-3,351.96	-1,031.61	9,069.13	8,719.26	349.87	25.921		
18,100.00	7,256.28	7,231.28	7,231.28	316.23	250.72	-90.35	-3,351.96	-1,031.61	9,164.64	8,814.83	349.80	26.199		
18,200.00	7,256.47	7,231.47	7,231.47	319.07	250.73	-90.35	-3,351.96	-1,031.61	9,260.23	8,910.50	349.74	26.478		
18,300.00	7,256.65	7,231.65	7,231.65	321.91	250.73	-90.35	-3,351.96	-1,031.61	9,355.93	9,006.25	349.67	26.756		
18,400.00	7,256.84	7,231.84	7,231.84	324.76	250.74	-90.36	-3,351.96	-1,031.61	9,451.71	9,102.10	349.61	27.035		
18,500.00	7,257.03	7,232.03	7,232.03	327.60	250.75	-90.36	-3,351.96	-1,031.61	9,547.57	9,198.02	349.55	27.314		
18,600.00	7,257.21	7,232.21	7,232.21	330.44	250.75	-90.37	-3,351.96	-1,031.61	9,643.52	9,294.03	349.49	27.593		
18,700.00	7,257.40	7,232.40	7,232.40	333.29	250.76	-90.37	-3,351.96	-1,031.61	9,739.55	9,390.12	349.43	27.873		
18,800.00	7,257.59	7,232.59	7,232.59	336.13	250.77	-90.37	-3,351.96	-1,031.61	9,835.66	9,486.29	349.37	28.152		
18,900.00	7,257.77	7,232.77	7,232.77	338.98	250.77	-90.38	-3,351.96	-1,031.61	9,931.85	9,582.53	349.32	28.432		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-88.31	246.59	-8,360.65	8,364.29					
100.00	100.00	104.00	96.00	3.28	3.78	-88.31	246.59	-8,360.65	8,364.29	8,357.22	7.07	1,183.430		
200.00	200.00	204.00	196.00	3.34	6.30	-88.31	246.59	-8,360.65	8,364.29	8,354.65	9.63	868.137		
300.00	300.00	304.00	296.00	3.44	9.45	-88.31	246.59	-8,360.65	8,364.29	8,351.39	12.90	648.432		
400.00	399.98	404.02	395.98	3.60	12.79	155.68	246.59	-8,360.65	8,365.88	8,349.49	16.38	510.589		
500.00	499.84	504.16	495.84	3.79	16.19	155.66	246.59	-8,360.65	8,370.65	8,350.66	19.98	418.869		
600.00	599.45	604.55	595.45	4.03	19.64	155.62	246.59	-8,360.65	8,378.59	8,354.92	23.67	354.043		
700.00	698.70	705.30	694.70	4.30	23.11	155.56	246.59	-8,360.65	8,389.70	8,362.29	27.41	306.042		
800.00	797.47	806.53	793.47	4.61	26.61	155.48	246.59	-8,360.65	8,403.97	8,372.75	31.22	269.178		
900.00	895.62	908.38	891.62	4.96	30.14	155.39	246.59	-8,360.65	8,421.38	8,386.29	35.08	240.035		
939.50	934.20	930.20	930.20	5.10	30.90	155.35	246.59	-8,360.65	8,429.11	8,393.13	35.98	234.258		
1,000.00	993.20	989.20	989.20	5.33	32.95	155.38	246.59	-8,360.65	8,441.34	8,403.10	38.24	220.719		
1,100.00	1,090.72	1,086.72	1,086.72	5.73	36.34	155.45	246.59	-8,360.65	8,461.56	8,419.56	42.00	201.466		
1,200.00	1,188.24	1,184.24	1,184.24	6.15	39.73	155.51	246.59	-8,360.65	8,481.78	8,436.01	45.77	185.298		
1,300.00	1,285.76	1,281.76	1,281.76	6.59	43.13	155.57	246.59	-8,360.65	8,502.02	8,452.46	49.56	171.539		
1,400.00	1,383.28	1,379.28	1,379.28	7.04	46.52	155.63	246.59	-8,360.65	8,522.27	8,468.90	53.37	159.697		
1,500.00	1,480.80	1,476.80	1,476.80	7.50	49.92	155.69	246.59	-8,360.65	8,542.52	8,485.34	57.18	149.403		
1,600.00	1,578.31	1,574.31	1,574.31	7.96	53.31	155.75	246.59	-8,360.65	8,562.79	8,501.79	61.00	140.377		
1,700.00	1,675.83	1,671.83	1,671.83	8.44	56.71	155.81	246.59	-8,360.65	8,583.06	8,518.23	64.83	132.399		
1,800.00	1,773.35	1,769.35	1,769.35	8.92	60.11	155.87	246.59	-8,360.65	8,603.34	8,534.68	68.66	125.301		
1,900.00	1,870.87	1,866.87	1,866.87	9.40	63.51	155.93	246.59	-8,360.65	8,623.63	8,551.13	72.50	118.945		
2,000.00	1,968.39	1,964.39	1,964.39	9.89	66.91	155.99	246.59	-8,360.65	8,643.93	8,567.59	76.35	113.222		
2,100.00	2,065.91	2,061.91	2,061.91	10.39	70.31	156.05	246.59	-8,360.65	8,664.24	8,584.05	80.19	108.042		
2,200.00	2,163.43	2,159.43	2,159.43	10.88	73.71	156.11	246.59	-8,360.65	8,684.56	8,600.52	84.04	103.333		
2,300.00	2,260.95	2,256.95	2,256.95	11.38	77.11	156.17	246.59	-8,360.65	8,704.89	8,616.99	87.90	99.033		
2,400.00	2,358.46	2,354.46	2,354.46	11.89	80.52	156.23	246.59	-8,360.65	8,725.23	8,633.47	91.76	95.093		
2,500.00	2,455.98	2,451.98	2,451.98	12.39	83.92	156.29	246.59	-8,360.65	8,745.57	8,649.96	95.61	91.467		
2,600.00	2,553.50	2,549.50	2,549.50	12.89	87.32	156.35	246.59	-8,360.65	8,765.93	8,666.45	99.47	88.122		
2,700.00	2,651.02	2,647.02	2,647.02	13.40	90.72	156.40	246.59	-8,360.65	8,786.29	8,682.95	103.34	85.025		
2,800.00	2,748.54	2,744.54	2,744.54	13.91	94.12	156.46	246.59	-8,360.65	8,806.66	8,699.46	107.20	82.151		
2,900.00	2,846.06	2,842.06	2,842.06	14.42	97.53	156.52	246.59	-8,360.65	8,827.04	8,715.97	111.07	79.475		
3,000.00	2,943.58	2,939.58	2,939.58	14.93	100.93	156.57	246.59	-8,360.65	8,847.43	8,732.49	114.93	76.979		
3,100.00	3,041.10	3,037.10	3,037.10	15.45	104.33	156.63	246.59	-8,360.65	8,867.82	8,749.02	118.80	74.644		
3,200.00	3,138.61	3,134.61	3,134.61	15.96	107.73	156.69	246.59	-8,360.65	8,888.23	8,765.56	122.67	72.456		
3,300.00	3,236.13	3,232.13	3,232.13	16.47	111.14	156.74	246.59	-8,360.65	8,908.64	8,782.10	126.54	70.402		
3,400.00	3,333.65	3,329.65	3,329.65	16.99	114.54	156.80	246.59	-8,360.65	8,929.06	8,798.65	130.41	68.469		
3,500.00	3,431.17	3,427.17	3,427.17	17.50	117.94	156.86	246.59	-8,360.65	8,949.49	8,815.21	134.28	66.647		
3,600.00	3,528.69	3,524.69	3,524.69	18.02	121.35	156.91	246.59	-8,360.65	8,969.93	8,831.78	138.15	64.927		
3,700.00	3,626.21	3,622.21	3,622.21	18.54	124.75	156.97	246.59	-8,360.65	8,990.38	8,848.35	142.03	63.301		
3,800.00	3,723.73	3,719.73	3,719.73	19.06	128.15	157.02	246.59	-8,360.65	9,010.83	8,864.93	145.90	61.761		
3,900.00	3,821.25	3,817.25	3,817.25	19.57	131.56	157.08	246.59	-8,360.65	9,031.29	8,881.52	149.77	60.300		
4,000.00	3,918.77	3,914.77	3,914.77	20.09	134.96	157.13	246.59	-8,360.65	9,051.76	8,898.12	153.65	58.913		
4,100.00	4,016.28	4,012.28	4,012.28	20.61	138.36	157.18	246.59	-8,360.65	9,072.24	8,914.72	157.52	57.594		
4,200.00	4,113.80	4,109.80	4,109.80	21.13	141.77	157.24	246.59	-8,360.65	9,092.72	8,931.33	161.40	56.338		
4,300.00	4,211.32	4,207.32	4,207.32	21.65	145.17	157.29	246.59	-8,360.65	9,113.22	8,947.95	165.27	55.141		
4,400.00	4,308.84	4,304.84	4,304.84	22.17	148.57	157.34	246.59	-8,360.65	9,133.72	8,964.57	169.15	53.999		
4,500.00	4,406.36	4,402.36	4,402.36	22.69	151.98	157.40	246.59	-8,360.65	9,154.23	8,981.20	173.02	52.908		
4,600.00	4,503.88	4,500.12	4,499.88	23.21	155.39	157.45	246.59	-8,360.65	9,174.74	8,997.83	176.91	51.862		
4,700.00	4,601.40	4,602.60	4,597.40	23.73	158.97	157.50	246.59	-8,360.65	9,195.26	9,014.31	180.96	50.815		
4,800.00	4,698.92	4,705.08	4,694.92	24.26	162.54	157.56	246.59	-8,360.65	9,215.80	9,030.79	185.01	49.813		
4,900.00	4,796.43	4,807.57	4,792.43	24.78	166.12	157.61	246.59	-8,360.65	9,236.33	9,047.28	189.06	48.855		
5,000.00	4,893.95	4,889.95	4,889.95	25.30	169.99	157.66	246.59	-8,360.65	9,256.88	9,064.47	192.40	48.111		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,991.47	4,987.47	4,987.47	25.82	172.40	157.71	246.59	-8,360.65	9,277.43	9,081.15	196.28	47.266		
5,200.00	5,088.99	5,084.99	5,084.99	26.34	175.80	157.76	246.59	-8,360.65	9,297.99	9,097.83	200.16	46.453		
5,300.00	5,186.51	5,182.51	5,182.51	26.87	179.21	157.81	246.59	-8,360.65	9,318.56	9,114.52	204.04	45.671		
5,400.00	5,284.03	5,280.03	5,280.03	27.39	182.61	157.87	246.59	-8,360.65	9,339.13	9,131.22	207.91	44.918		
5,500.00	5,381.55	5,377.55	5,377.55	27.91	186.01	157.92	246.59	-8,360.65	9,359.72	9,147.92	211.79	44.193		
5,600.00	5,479.07	5,475.07	5,475.07	28.43	189.42	157.97	246.59	-8,360.65	9,380.30	9,164.63	215.67	43.494		
5,700.00	5,576.58	5,572.58	5,572.58	28.96	192.82	158.02	246.59	-8,360.65	9,400.90	9,181.35	219.55	42.819		
5,800.00	5,674.10	5,670.10	5,670.10	29.48	196.23	158.07	246.59	-8,360.65	9,421.50	9,198.08	223.43	42.168		
5,900.00	5,771.62	5,767.62	5,767.62	30.00	199.63	158.12	246.59	-8,360.65	9,442.11	9,214.81	227.31	41.539		
6,000.00	5,869.14	5,865.14	5,865.14	30.53	203.03	158.17	246.59	-8,360.65	9,462.73	9,231.55	231.18	40.932		
6,100.00	5,966.66	5,962.66	5,962.66	31.05	206.44	158.22	246.59	-8,360.65	9,483.35	9,248.29	235.06	40.344		
6,200.00	6,064.18	6,060.18	6,060.18	31.58	209.84	158.27	246.59	-8,360.65	9,503.98	9,265.04	238.94	39.775		
6,300.00	6,161.70	6,157.70	6,157.70	32.10	213.25	158.32	246.59	-8,360.65	9,524.62	9,281.80	242.82	39.225		
6,400.00	6,259.22	6,255.22	6,255.22	32.62	216.65	158.36	246.59	-8,360.65	9,545.26	9,298.57	246.70	38.692		
6,500.00	6,356.74	6,352.74	6,352.74	33.15	220.05	158.41	246.59	-8,360.65	9,565.91	9,315.34	250.58	38.176		
6,600.00	6,454.25	6,450.25	6,450.25	33.67	223.46	158.46	246.59	-8,360.65	9,586.57	9,332.11	254.46	37.675		
6,623.48	6,477.15	6,473.15	6,473.15	33.80	224.26	158.47	246.59	-8,360.65	9,591.42	9,336.06	255.37	37.559		
6,650.00	6,503.12	6,500.88	6,499.12	33.93	225.22	152.86	246.59	-8,360.65	9,596.36	9,339.90	256.46	37.419		
6,700.00	6,552.50	6,548.50	6,548.50	34.16	226.89	133.94	246.59	-8,360.65	9,602.72	9,344.37	258.35	37.170		
6,750.00	6,602.21	6,601.79	6,598.21	34.36	228.75	95.92	246.59	-8,360.65	9,605.18	9,344.77	260.41	36.884		
6,800.00	6,651.92	6,647.92	6,647.92	34.54	230.36	57.03	246.59	-8,360.65	9,603.74	9,341.53	262.21	36.626		
6,850.00	6,701.33	6,702.67	6,697.33	34.70	232.27	37.45	246.59	-8,360.65	9,598.39	9,334.11	264.28	36.319		
6,900.00	6,750.14	6,746.14	6,746.14	34.86	233.79	28.07	246.59	-8,360.65	9,589.18	9,323.24	265.94	36.058		
6,950.00	6,798.04	6,805.96	6,794.04	35.02	235.87	22.95	246.59	-8,360.65	9,576.16	9,308.02	268.14	35.713		
7,000.00	6,844.75	6,840.75	6,840.75	35.19	237.09	19.84	246.59	-8,360.65	9,559.41	9,289.95	269.46	35.477		
7,050.00	6,889.97	6,885.97	6,885.97	35.37	238.67	17.86	246.59	-8,360.65	9,539.04	9,267.92	271.12	35.184		
7,100.00	6,933.42	6,929.42	6,929.42	35.57	240.18	16.56	246.59	-8,360.65	9,515.17	9,242.47	272.70	34.893		
7,150.00	6,974.83	6,970.83	6,970.83	35.79	241.63	15.74	246.59	-8,360.65	9,487.95	9,213.75	274.19	34.603		
7,200.00	7,013.96	7,009.96	7,009.96	36.02	242.99	15.28	246.59	-8,360.65	9,457.54	9,181.95	275.59	34.317		
7,250.00	7,050.56	7,046.56	7,046.56	36.28	244.27	15.12	246.59	-8,360.65	9,424.14	9,147.26	276.89	34.036		
7,300.00	7,084.39	7,080.39	7,080.39	36.57	245.45	15.24	246.59	-8,360.65	9,387.95	9,109.88	278.08	33.760		
7,350.00	7,115.27	7,111.27	7,111.27	36.89	246.53	15.65	246.59	-8,360.65	9,349.20	9,070.05	279.15	33.491		
7,400.00	7,142.99	7,138.99	7,138.99	37.25	247.50	16.41	246.59	-8,360.65	9,308.12	9,028.01	280.11	33.230		
7,450.00	7,167.38	7,163.38	7,163.38	37.65	248.35	17.61	246.59	-8,360.65	9,264.96	8,984.01	280.95	32.978		
7,500.00	7,188.30	7,184.30	7,184.30	38.08	249.08	19.45	246.59	-8,360.65	9,219.99	8,938.34	281.66	32.735		
7,550.00	7,205.61	7,201.61	7,201.61	38.55	249.68	22.30	246.59	-8,360.65	9,173.50	8,891.25	282.24	32.502		
7,600.00	7,219.20	7,215.20	7,215.20	39.06	250.16	26.95	246.59	-8,360.65	9,125.75	8,843.05	282.70	32.281		
7,650.00	7,229.00	7,225.00	7,225.00	39.61	250.50	35.30	246.59	-8,360.65	9,077.06	8,794.03	283.03	32.072		
7,700.00	7,234.95	7,230.95	7,230.95	40.18	250.71	52.49	246.59	-8,360.65	9,027.71	8,744.49	283.22	31.875		
7,750.00	7,237.00	7,233.00	7,233.00	40.78	250.78	88.90	246.59	-8,360.65	8,977.95	8,694.66	283.29	31.691		
7,800.00	7,237.09	7,233.09	7,233.09	41.41	250.78	88.91	246.59	-8,360.65	8,928.25	8,644.95	283.30	31.515		
7,900.00	7,237.28	7,233.28	7,233.28	42.79	250.79	88.92	246.59	-8,360.65	8,828.73	8,545.42	283.31	31.162		
8,000.00	7,237.47	7,233.47	7,233.47	44.31	250.80	88.93	246.59	-8,360.65	8,729.22	8,445.89	283.33	30.809		
8,100.00	7,237.65	7,233.65	7,233.65	45.97	250.80	88.94	246.59	-8,360.65	8,629.72	8,346.37	283.35	30.456		
8,200.00	7,237.84	7,233.84	7,233.84	47.75	250.81	88.96	246.59	-8,360.65	8,530.23	8,246.85	283.38	30.102		
8,300.00	7,238.02	7,234.02	7,234.02	49.63	250.82	88.97	246.59	-8,360.65	8,430.76	8,147.34	283.41	29.747		
8,400.00	7,238.21	7,234.21	7,234.21	51.61	250.82	88.98	246.59	-8,360.65	8,331.29	8,047.84	283.45	29.393		
8,500.00	7,238.40	7,234.40	7,234.40	53.66	250.83	88.99	246.59	-8,360.65	8,231.84	7,948.35	283.49	29.037		
8,600.00	7,238.58	7,234.58	7,234.58	55.79	250.84	89.00	246.59	-8,360.65	8,132.41	7,848.87	283.54	28.682		
8,700.00	7,238.77	7,234.77	7,234.77	57.99	250.84	89.02	246.59	-8,360.65	8,032.98	7,749.39	283.59	28.326		
8,800.00	7,238.96	7,234.96	7,234.96	60.24	250.85	89.03	246.59	-8,360.65	7,933.57	7,649.92	283.65	27.969		
8,900.00	7,239.14	7,235.14	7,235.14	62.54	250.86	89.04	246.59	-8,360.65	7,834.18	7,550.46	283.72	27.612		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,239.33	7,235.33	7,235.33	64.88	250.86	89.05	246.59	-8,360.65	7,734.80	7,451.01	283.79	27.255		
9,100.00	7,239.52	7,235.52	7,235.52	67.27	250.87	89.07	246.59	-8,360.65	7,635.44	7,351.57	283.88	26.897		
9,200.00	7,239.70	7,235.70	7,235.70	69.69	250.87	89.08	246.59	-8,360.65	7,536.10	7,252.13	283.96	26.539		
9,300.00	7,239.89	7,235.89	7,235.89	72.15	250.88	89.09	246.59	-8,360.65	7,436.77	7,152.71	284.06	26.180		
9,400.00	7,240.07	7,236.07	7,236.07	74.63	250.89	89.10	246.59	-8,360.65	7,337.46	7,053.29	284.17	25.821		
9,500.00	7,240.26	7,236.26	7,236.26	77.14	250.89	89.12	246.59	-8,360.65	7,238.17	6,953.89	284.28	25.461		
9,600.00	7,240.45	7,236.45	7,236.45	79.68	250.90	89.13	246.59	-8,360.65	7,138.90	6,854.50	284.41	25.101		
9,700.00	7,240.63	7,236.63	7,236.63	82.23	250.91	89.14	246.59	-8,360.65	7,039.65	6,755.11	284.54	24.740		
9,800.00	7,240.82	7,236.82	7,236.82	84.81	250.91	89.15	246.59	-8,360.65	6,940.42	6,655.74	284.68	24.379		
9,900.00	7,241.01	7,237.01	7,237.01	87.40	250.92	89.16	246.59	-8,360.65	6,841.22	6,556.38	284.84	24.018		
10,000.00	7,241.19	7,237.19	7,237.19	90.01	250.93	89.18	246.59	-8,360.65	6,742.04	6,457.03	285.01	23.656		
10,100.00	7,241.38	7,237.38	7,237.38	92.64	250.93	89.19	246.59	-8,360.65	6,642.88	6,357.69	285.19	23.293		
10,200.00	7,241.56	7,237.56	7,237.56	95.28	250.94	89.20	246.59	-8,360.65	6,543.75	6,258.37	285.38	22.930		
10,300.00	7,241.75	7,237.75	7,237.75	97.93	250.95	89.21	246.59	-8,360.65	6,444.64	6,159.05	285.59	22.566		
10,400.00	7,241.94	7,237.94	7,237.94	100.59	250.95	89.23	246.59	-8,360.65	6,345.57	6,059.75	285.81	22.202		
10,500.00	7,242.12	7,238.12	7,238.12	103.26	250.96	89.24	246.59	-8,360.65	6,246.52	5,960.47	286.05	21.837		
10,600.00	7,242.31	7,238.31	7,238.31	105.95	250.97	89.25	246.59	-8,360.65	6,147.50	5,861.20	286.31	21.472		
10,700.00	7,242.50	7,238.50	7,238.50	108.64	250.97	89.26	246.59	-8,360.65	6,048.52	5,761.94	286.58	21.106		
10,800.00	7,242.68	7,238.68	7,238.68	111.34	250.98	89.28	246.59	-8,360.65	5,949.57	5,662.70	286.87	20.739		
10,900.00	7,242.87	7,238.87	7,238.87	114.05	250.99	89.29	246.59	-8,360.65	5,850.65	5,563.47	287.18	20.373		
11,000.00	7,243.05	7,239.05	7,239.05	116.76	250.99	89.30	246.59	-8,360.65	5,751.78	5,464.26	287.52	20.005		
11,100.00	7,243.24	7,239.24	7,239.24	119.49	251.00	89.31	246.59	-8,360.65	5,652.94	5,365.07	287.87	19.637		
11,200.00	7,243.43	7,239.43	7,239.43	122.22	251.00	89.32	246.59	-8,360.65	5,554.14	5,265.89	288.25	19.268		
11,300.00	7,243.61	7,239.61	7,239.61	124.95	251.01	89.34	246.59	-8,360.65	5,455.39	5,166.73	288.66	18.899		
11,400.00	7,243.80	7,239.80	7,239.80	127.69	251.02	89.35	246.59	-8,360.65	5,356.69	5,067.60	289.09	18.530		
11,500.00	7,243.99	7,239.99	7,239.99	130.44	251.02	89.36	246.59	-8,360.65	5,258.03	4,968.48	289.55	18.159		
11,600.00	7,244.17	7,240.17	7,240.17	133.19	251.03	89.37	246.59	-8,360.65	5,159.42	4,869.38	290.04	17.789		
11,700.00	7,244.36	7,240.36	7,240.36	135.94	251.04	89.39	246.59	-8,360.65	5,060.87	4,770.31	290.57	17.417		
11,800.00	7,244.55	7,240.55	7,240.55	138.70	251.04	89.40	246.59	-8,360.65	4,962.38	4,671.26	291.12	17.046		
11,900.00	7,244.73	7,240.73	7,240.73	141.47	251.05	89.41	246.59	-8,360.65	4,863.95	4,572.23	291.72	16.673		
12,000.00	7,244.92	7,240.92	7,240.92	144.24	251.06	89.42	246.59	-8,360.65	4,765.59	4,473.23	292.36	16.301		
12,100.00	7,245.10	7,241.10	7,241.10	147.01	251.06	89.44	246.59	-8,360.65	4,667.29	4,374.25	293.03	15.927		
12,200.00	7,245.29	7,241.29	7,241.29	149.78	251.07	89.45	246.59	-8,360.65	4,569.07	4,275.31	293.76	15.554		
12,300.00	7,245.48	7,241.48	7,241.48	152.56	251.08	89.46	246.59	-8,360.65	4,470.92	4,176.39	294.53	15.180		
12,400.00	7,245.66	7,241.66	7,241.66	155.34	251.08	89.47	246.59	-8,360.65	4,372.86	4,077.51	295.35	14.806		
12,500.00	7,245.85	7,241.85	7,241.85	158.12	251.09	89.48	246.59	-8,360.65	4,274.90	3,978.67	296.23	14.431		
12,600.00	7,246.04	7,242.04	7,242.04	160.91	251.10	89.50	246.59	-8,360.65	4,177.02	3,879.85	297.17	14.056		
12,700.00	7,246.22	7,242.22	7,242.22	163.70	251.10	89.51	246.59	-8,360.65	4,079.25	3,781.08	298.17	13.681		
12,800.00	7,246.41	7,242.41	7,242.41	166.49	251.11	89.52	246.59	-8,360.65	3,981.59	3,682.36	299.24	13.306		
12,900.00	7,246.59	7,242.59	7,242.59	169.28	251.12	89.53	246.59	-8,360.65	3,884.05	3,583.67	300.38	12.930		
13,000.00	7,246.78	7,242.78	7,242.78	172.08	251.12	89.55	246.59	-8,360.65	3,786.64	3,485.04	301.60	12.555		
13,100.00	7,246.97	7,242.97	7,242.97	174.88	251.13	89.56	246.59	-8,360.65	3,689.37	3,386.46	302.91	12.180		
13,200.00	7,247.15	7,243.15	7,243.15	177.68	251.13	89.57	246.59	-8,360.65	3,592.25	3,287.94	304.30	11.805		
13,300.00	7,247.34	7,243.34	7,243.34	180.48	251.14	89.58	246.59	-8,360.65	3,495.29	3,189.48	305.80	11.430		
13,400.00	7,247.53	7,243.53	7,243.53	183.28	251.15	89.60	246.59	-8,360.65	3,398.50	3,091.10	307.40	11.056		
13,500.00	7,247.71	7,243.71	7,243.71	186.09	251.15	89.61	246.59	-8,360.65	3,301.91	2,992.78	309.12	10.682		
13,600.00	7,247.90	7,243.90	7,243.90	188.90	251.16	89.62	246.59	-8,360.65	3,205.52	2,894.56	310.97	10.308		
13,700.00	7,248.08	7,244.08	7,244.08	191.70	251.17	89.63	246.59	-8,360.65	3,109.37	2,796.42	312.95	9.936		
13,800.00	7,248.27	7,244.27	7,244.27	194.52	251.17	89.64	246.59	-8,360.65	3,013.46	2,698.38	315.08	9.564		
13,900.00	7,248.46	7,244.46	7,244.46	197.33	251.18	89.66	246.59	-8,360.65	2,917.83	2,600.46	317.37	9.194		
14,000.00	7,248.64	7,244.64	7,244.64	200.14	251.19	89.67	246.59	-8,360.65	2,822.50	2,502.66	319.84	8.825		
14,100.00	7,248.83	7,244.83	7,244.83	202.95	251.19	89.68	246.59	-8,360.65	2,727.51	2,405.01	322.50	8.457		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,249.02	7,245.02	7,245.02	205.77	251.20	89.69	246.59	-8,360.65	2,632.88	2,307.51	325.38	8.092		
14,300.00	7,249.20	7,245.20	7,245.20	208.59	251.21	89.71	246.59	-8,360.65	2,538.67	2,210.19	328.49	7.728		
14,400.00	7,249.39	7,245.39	7,245.39	211.41	251.21	89.72	246.59	-8,360.65	2,444.92	2,113.07	331.85	7.367		
14,500.00	7,249.58	7,245.58	7,245.58	214.23	251.22	89.73	246.59	-8,360.65	2,351.69	2,016.18	335.50	7.009		
14,600.00	7,249.76	7,245.76	7,245.76	217.05	251.23	89.74	246.59	-8,360.65	2,259.03	1,919.56	339.47	6.655		
14,700.00	7,249.95	7,245.95	7,245.95	219.87	251.23	89.76	246.59	-8,360.65	2,167.03	1,823.25	343.78	6.304		
14,800.00	7,250.13	7,246.13	7,246.13	222.69	251.24	89.77	246.59	-8,360.65	2,075.76	1,727.29	348.47	5.957		
14,900.00	7,250.32	7,246.32	7,246.32	225.51	251.25	89.78	246.59	-8,360.65	1,985.34	1,631.74	353.60	5.615		
15,000.00	7,250.51	7,246.51	7,246.51	228.34	251.25	89.79	246.59	-8,360.65	1,895.88	1,536.69	359.19	5.278		
15,100.00	7,250.69	7,246.69	7,246.69	231.16	251.26	89.80	246.59	-8,360.65	1,807.52	1,442.21	365.31	4.948		
15,200.00	7,250.88	7,246.88	7,246.88	233.99	251.26	89.82	246.59	-8,360.65	1,720.44	1,348.43	372.01	4.625		
15,300.00	7,251.07	7,247.07	7,247.07	236.82	251.27	89.83	246.59	-8,360.65	1,634.84	1,255.48	379.36	4.309		
15,400.00	7,251.25	7,247.25	7,247.25	239.65	251.28	89.84	246.59	-8,360.65	1,550.97	1,163.56	387.41	4.003		
15,500.00	7,251.44	7,247.44	7,247.44	242.47	251.28	89.85	246.59	-8,360.65	1,469.11	1,072.88	396.23	3.708		
15,600.00	7,251.62	7,247.62	7,247.62	245.30	251.29	89.87	246.59	-8,360.65	1,389.63	983.75	405.87	3.424		
15,700.00	7,251.81	7,247.81	7,247.81	248.13	251.30	89.88	246.59	-8,360.65	1,312.95	896.57	416.39	3.153		
15,800.00	7,252.00	7,248.00	7,248.00	250.97	251.30	89.89	246.59	-8,360.65	1,239.61	811.83	427.78	2.898		
15,900.00	7,252.18	7,248.18	7,248.18	253.80	251.31	89.90	246.59	-8,360.65	1,170.22	730.19	440.03	2.659		
16,000.00	7,252.37	7,248.37	7,248.37	256.63	251.32	89.92	246.59	-8,360.65	1,105.53	652.52	453.01	2.440		
16,100.00	7,252.56	7,248.56	7,248.56	259.46	251.32	89.93	246.59	-8,360.65	1,046.41	579.90	466.52	2.243		
16,200.00	7,252.74	7,248.74	7,248.74	262.30	251.33	89.94	246.59	-8,360.65	993.86	513.68	480.18	2.070		
16,300.00	7,252.93	7,248.93	7,248.93	265.13	251.34	89.95	246.59	-8,360.65	948.97	455.50	493.47	1.923		
16,400.00	7,253.11	7,249.11	7,249.11	267.96	251.34	89.96	246.59	-8,360.65	912.87	407.20	505.67	1.805		
16,500.00	7,253.30	7,249.30	7,249.30	270.80	251.35	89.98	246.59	-8,360.65	886.63	370.67	515.96	1.718		
16,600.00	7,253.49	7,249.49	7,249.49	273.64	251.36	89.99	246.59	-8,360.65	871.15	347.60	523.55	1.664		
16,686.09	7,253.65	7,249.65	7,249.65	276.08	251.36	90.00	246.59	-8,360.65	866.88	339.45	527.44	1.644 CC		
16,700.00	7,253.67	7,249.67	7,249.67	276.47	251.36	90.00	246.59	-8,360.65	867.00	339.18	527.82	1.643 ES, SF		
16,800.00	7,253.86	7,249.86	7,249.86	279.31	251.37	90.01	246.59	-8,360.65	874.34	345.84	528.50	1.654		
16,900.00	7,254.05	7,250.05	7,250.05	282.15	251.38	90.03	246.59	-8,360.65	892.89	367.14	525.74	1.698		
17,000.00	7,254.23	7,250.23	7,250.23	284.98	251.38	90.04	246.59	-8,360.65	921.97	401.91	520.06	1.773		
17,100.00	7,254.42	7,250.42	7,250.42	287.82	251.39	90.05	246.59	-8,360.65	960.63	448.48	512.15	1.876		
17,200.00	7,254.61	7,250.61	7,250.61	290.66	251.40	90.06	246.59	-8,360.65	1,007.77	505.00	502.77	2.004		
17,300.00	7,254.79	7,250.79	7,250.79	293.50	251.40	90.08	246.59	-8,360.65	1,062.25	569.65	492.60	2.156		
17,400.00	7,254.98	7,250.98	7,250.98	296.34	251.41	90.09	246.59	-8,360.65	1,123.01	640.84	482.17	2.329		
17,500.00	7,255.16	7,251.16	7,251.16	299.18	251.41	90.10	246.59	-8,360.65	1,189.09	717.23	471.87	2.520		
17,600.00	7,255.35	7,251.35	7,251.35	302.02	251.42	90.11	246.59	-8,360.65	1,259.65	797.72	461.94	2.727		
17,700.00	7,255.54	7,251.54	7,251.54	304.86	251.43	90.12	246.59	-8,360.65	1,333.98	881.46	452.53	2.948		
17,800.00	7,255.72	7,251.72	7,251.72	307.70	251.43	90.14	246.59	-8,360.65	1,411.48	967.78	443.71	3.181		
17,900.00	7,255.91	7,251.91	7,251.91	310.54	251.44	90.15	246.59	-8,360.65	1,491.67	1,056.16	435.51	3.425		
18,000.00	7,256.10	7,252.10	7,252.10	313.39	251.45	90.16	246.59	-8,360.65	1,574.12	1,146.20	427.92	3.679		
18,100.00	7,256.28	7,252.28	7,252.28	316.23	251.45	90.17	246.59	-8,360.65	1,658.50	1,237.58	420.92	3.940		
18,200.00	7,256.47	7,252.47	7,252.47	319.07	251.46	90.19	246.59	-8,360.65	1,744.54	1,330.07	414.47	4.209		
18,300.00	7,256.65	7,252.65	7,252.65	321.91	251.47	90.20	246.59	-8,360.65	1,831.99	1,423.46	408.53	4.484		
18,400.00	7,256.84	7,252.84	7,252.84	324.76	251.47	90.21	246.59	-8,360.65	1,920.67	1,517.62	403.06	4.765		
18,500.00	7,257.03	7,253.03	7,253.03	327.60	251.48	90.22	246.59	-8,360.65	2,010.41	1,612.40	398.01	5.051		
18,600.00	7,257.21	7,253.21	7,253.21	330.44	251.49	90.24	246.59	-8,360.65	2,101.08	1,707.73	393.35	5.341		
18,700.00	7,257.40	7,253.40	7,253.40	333.29	251.49	90.25	246.59	-8,360.65	2,192.56	1,803.51	389.05	5.636		
18,800.00	7,257.59	7,253.59	7,253.59	336.13	251.50	90.26	246.59	-8,360.65	2,284.76	1,899.69	385.07	5.933		
18,900.00	7,257.77	7,253.77	7,253.77	338.98	251.51	90.27	246.59	-8,360.65	2,377.58	1,996.20	381.38	6.234		
19,000.00	7,257.96	7,253.96	7,253.96	341.82	251.51	90.28	246.59	-8,360.65	2,470.97	2,093.01	377.95	6.538		
19,022.43	7,258.00	7,254.00	7,254.00	342.46	251.51	90.29	246.59	-8,360.65	2,491.98	2,114.76	377.22	6.606		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	32.53	1,502.05	957.99	1,781.76					
100.00	100.00	66.91	66.91	3.28	3.28	32.52	1,502.22	957.89	1,781.65	1,775.08	6.57	271.264		
200.00	200.00	171.70	171.70	3.34	3.32	32.50	1,502.87	957.39	1,781.92	1,775.26	6.66	267.606		
300.00	300.00	274.13	274.12	3.44	3.42	32.48	1,503.11	956.81	1,781.80	1,774.94	6.86	259.624		
400.00	399.98	370.48	370.48	3.60	3.56	-83.58	1,503.17	956.63	1,781.57	1,774.41	7.15	249.052		
500.00	499.84	468.93	468.92	3.79	3.74	-83.77	1,503.45	956.47	1,781.14	1,773.61	7.53	236.562		
600.00	599.45	571.89	571.89	4.03	3.97	-84.08	1,503.61	956.41	1,780.31	1,772.32	7.99	222.691		
700.00	698.70	670.96	670.95	4.30	4.22	-84.49	1,503.54	956.41	1,779.03	1,770.51	8.52	208.785		
800.00	797.47	765.29	765.28	4.61	4.49	-84.99	1,503.67	956.35	1,777.67	1,768.58	9.09	195.456		
900.00	895.62	862.99	862.98	4.96	4.78	-85.62	1,503.96	956.45	1,776.39	1,766.65	9.73	182.497		
939.50	934.20	902.67	902.66	5.10	4.91	-85.90	1,504.00	956.56	1,775.84	1,765.84	10.00	177.522		
1,000.00	993.20	965.29	965.29	5.33	5.11	-86.34	1,504.00	956.69	1,774.97	1,764.53	10.44	170.071		
1,100.00	1,090.72	1,067.82	1,067.81	5.73	5.45	-87.07	1,503.79	956.73	1,773.51	1,762.33	11.18	158.621		
1,200.00	1,188.24	1,164.85	1,164.84	6.15	5.78	-87.76	1,503.44	956.73	1,772.16	1,760.22	11.94	148.455		
1,300.00	1,285.76	1,263.78	1,263.77	6.59	6.14	-88.46	1,503.14	956.76	1,771.15	1,758.42	12.73	139.179		
1,400.00	1,383.28	1,360.78	1,360.77	7.04	6.49	-89.15	1,502.68	956.87	1,770.30	1,756.77	13.53	130.863		
1,500.00	1,480.80	1,455.22	1,455.21	7.50	6.84	-89.81	1,502.35	957.06	1,769.86	1,755.52	14.34	123.445		
1,547.79	1,527.40	1,500.33	1,500.31	7.72	7.01	-90.13	1,502.26	957.14	1,769.81	1,755.08	14.73	120.159 CC		
1,600.00	1,578.31	1,552.64	1,552.63	7.96	7.21	-90.51	1,502.18	957.19	1,769.83	1,754.66	15.17	116.655		
1,700.00	1,675.83	1,650.43	1,650.42	8.44	7.59	-91.20	1,502.00	957.18	1,769.99	1,753.97	16.02	110.493		
1,800.00	1,773.35	1,749.62	1,749.61	8.92	7.97	-91.91	1,501.80	957.29	1,770.46	1,753.58	16.88	104.873		
1,900.00	1,870.87	1,852.18	1,852.16	9.40	8.37	-92.63	1,501.29	957.46	1,770.96	1,753.20	17.77	99.680		
2,000.00	1,968.39	1,952.25	1,952.23	9.89	8.77	-93.34	1,500.61	957.47	1,771.51	1,752.86	18.65	94.993		
2,100.00	2,065.91	2,050.60	2,050.58	10.39	9.16	-94.03	1,499.90	957.40	1,772.26	1,752.73	19.53	90.743 ES		
2,200.00	2,163.43	2,149.67	2,149.65	10.88	9.56	-94.74	1,499.19	957.18	1,773.23	1,752.81	20.42	86.837		
2,300.00	2,260.95	2,249.89	2,249.86	11.38	9.96	-95.46	1,498.50	956.54	1,774.35	1,753.03	21.32	83.229		
2,400.00	2,358.46	2,348.07	2,348.04	11.89	10.36	-96.18	1,497.75	955.70	1,775.62	1,753.41	22.21	79.936		
2,500.00	2,455.98	2,442.01	2,441.98	12.39	10.74	-96.86	1,497.14	954.86	1,777.27	1,754.17	23.09	76.961		
2,600.00	2,553.50	2,533.84	2,533.80	12.89	11.12	-97.54	1,496.81	954.04	1,779.47	1,755.50	23.97	74.249		
2,700.00	2,651.02	2,625.99	2,625.94	13.40	11.49	-98.21	1,496.78	953.22	1,782.26	1,757.42	24.84	71.744		
2,800.00	2,748.54	2,720.67	2,720.63	13.91	11.88	-98.90	1,496.94	952.51	1,785.57	1,759.85	25.73	69.399		
2,900.00	2,846.06	2,819.60	2,819.55	14.42	12.29	-99.62	1,497.11	951.78	1,789.18	1,762.54	26.64	67.171		
3,000.00	2,943.58	2,919.68	2,919.63	14.93	12.70	-100.34	1,497.18	951.10	1,792.99	1,765.44	27.55	65.083		
3,100.00	3,041.10	3,025.17	3,025.11	15.45	13.14	-101.09	1,496.82	950.44	1,796.69	1,768.20	28.49	63.069		
3,200.00	3,138.61	3,121.58	3,121.52	15.96	13.54	-101.77	1,496.32	949.80	1,800.51	1,771.12	29.39	61.267		
3,300.00	3,236.13	3,212.22	3,212.15	16.47	13.92	-102.41	1,496.05	949.12	1,804.79	1,774.53	30.26	59.637		
3,400.00	3,333.65	3,292.82	3,292.75	16.99	14.25	-102.98	1,496.40	948.51	1,810.02	1,778.93	31.09	58.217		
3,500.00	3,431.17	3,382.31	3,382.24	17.50	14.62	-103.62	1,497.39	948.00	1,816.21	1,784.26	31.96	56.833		
3,600.00	3,528.69	3,475.74	3,475.66	18.02	15.01	-104.27	1,498.67	947.70	1,822.98	1,790.14	32.84	55.510		
3,700.00	3,626.21	3,566.05	3,566.95	18.54	15.39	-104.89	1,500.13	947.47	1,830.26	1,796.55	33.71	54.297		
3,800.00	3,723.73	3,659.26	3,659.15	19.06	15.78	-105.52	1,501.94	947.51	1,838.17	1,803.58	34.59	53.141		
3,900.00	3,821.25	3,756.34	3,756.21	19.57	16.18	-106.18	1,503.94	947.42	1,846.41	1,810.92	35.49	52.026		
4,000.00	3,918.77	3,862.91	3,862.76	20.09	16.63	-106.90	1,505.96	947.26	1,854.75	1,818.31	36.44	50.902		
4,100.00	4,016.28	3,969.34	3,969.18	20.61	17.08	-107.62	1,507.35	946.63	1,862.71	1,825.32	37.38	49.826		
4,200.00	4,113.80	4,071.51	4,071.34	21.13	17.51	-108.31	1,508.38	945.81	1,870.60	1,832.29	38.31	48.828		
4,300.00	4,211.32	4,170.37	4,170.19	21.65	17.92	-108.97	1,509.18	945.08	1,878.57	1,839.35	39.22	47.900		
4,400.00	4,308.84	4,270.52	4,270.34	22.17	18.34	-109.63	1,509.89	944.51	1,886.71	1,846.58	40.13	47.011		
4,500.00	4,406.36	4,369.54	4,369.36	22.69	18.76	-110.28	1,510.45	943.86	1,894.94	1,853.90	41.04	46.170		
4,600.00	4,503.88	4,468.18	4,467.99	23.21	19.18	-110.91	1,510.94	943.33	1,903.36	1,861.41	41.95	45.373		
4,700.00	4,601.40	4,563.32	4,563.13	23.73	19.58	-111.52	1,511.39	942.97	1,912.00	1,869.16	42.84	44.633		
4,800.00	4,698.92	4,662.90	4,662.71	24.26	20.00	-112.14	1,511.96	942.55	1,920.96	1,877.22	43.75	43.909		
4,900.00	4,796.43	4,769.34	4,769.14	24.78	20.45	-112.81	1,512.21	942.16	1,929.83	1,885.14	44.69	43.180		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,893.95	4,873.48	4,873.28	25.30	20.89	-113.45	1,511.99	941.63	1,938.48	1,892.85	45.62	42.487		
5,100.00	4,991.47	4,977.38	4,977.18	25.82	21.33	-114.09	1,511.45	941.16	1,947.05	1,900.49	46.55	41.823		
5,200.00	5,088.99	5,084.15	5,083.95	26.34	21.78	-114.73	1,510.47	940.72	1,955.44	1,907.95	47.50	41.169		
5,300.00	5,186.51	5,175.05	5,174.84	26.87	22.16	-115.27	1,509.50	940.51	1,963.92	1,915.55	48.36	40.608		
5,400.00	5,284.03	5,283.72	5,283.51	27.39	22.62	-115.90	1,508.43	940.71	1,972.69	1,923.37	49.32	40.002		
5,500.00	5,381.55	5,376.73	5,376.51	27.91	23.01	-116.44	1,507.17	940.66	1,981.27	1,931.08	50.19	39.476		
5,600.00	5,479.07	5,475.72	5,475.49	28.43	23.43	-117.01	1,506.04	940.53	1,990.28	1,939.19	51.09	38.954		
5,700.00	5,576.58	5,571.29	5,571.05	28.96	23.84	-117.57	1,504.87	940.09	1,999.40	1,947.42	51.98	38.466		
5,800.00	5,674.10	5,669.51	5,669.27	29.48	24.25	-118.13	1,503.77	939.66	2,008.83	1,955.95	52.88	37.992		
5,900.00	5,771.62	5,765.45	5,765.20	30.00	24.66	-118.68	1,502.65	939.27	2,018.41	1,964.65	53.76	37.544		
6,000.00	5,869.14	5,861.68	5,861.42	30.53	25.07	-119.22	1,501.65	938.97	2,028.30	1,973.66	54.65	37.117		
6,100.00	5,966.66	5,956.75	5,956.48	31.05	25.47	-119.75	1,500.71	938.53	2,038.44	1,982.91	55.53	36.712		
6,200.00	6,064.18	6,047.31	6,047.04	31.58	25.86	-120.26	1,499.99	937.97	2,048.97	1,992.59	56.38	36.343		
6,300.00	6,161.70	6,140.57	6,140.30	32.10	26.25	-120.78	1,499.60	937.20	2,060.07	2,002.83	57.25	35.987		
6,400.00	6,259.22	6,238.89	6,238.61	32.62	26.67	-121.32	1,499.15	936.48	2,071.32	2,013.18	58.14	35.628		
6,500.00	6,356.74	6,332.15	6,331.87	33.15	27.07	-121.83	1,498.83	935.78	2,082.85	2,023.85	59.00	35.301		
6,600.00	6,454.25	6,425.72	6,425.44	33.67	27.46	-122.33	1,498.73	935.14	2,094.80	2,034.94	59.87	34.991		
6,623.48	6,477.15	6,449.02	6,448.73	33.80	27.56	-122.46	1,498.72	935.00	2,097.64	2,037.57	60.08	34.916		
6,650.00	6,503.12	6,475.44	6,475.16	33.93	27.68	-122.46	1,498.70	934.84	2,100.80	2,040.49	60.31	34.832		
6,700.00	6,552.50	6,524.25	6,523.97	34.16	27.88	-123.01	1,498.67	934.58	2,106.41	2,045.68	60.73	34.682		
6,750.00	6,602.21	6,571.98	6,571.69	34.36	28.09	-123.45	1,498.68	934.38	2,111.58	2,050.45	61.13	34.543		
6,800.00	6,651.92	6,620.73	6,620.44	34.54	28.29	-123.87	1,498.73	934.23	2,116.28	2,054.76	61.52	34.401		
6,850.00	6,701.33	6,670.65	6,670.36	34.70	28.51	-124.31	1,498.78	934.02	2,120.43	2,058.52	61.91	34.249		
6,900.00	6,750.14	6,719.10	6,718.81	34.86	28.71	-124.77	1,498.82	933.77	2,124.05	2,061.74	62.31	34.089		
6,950.00	6,798.04	6,765.37	6,765.08	35.02	28.91	-125.19	1,498.88	933.53	2,127.19	2,064.49	62.70	33.924		
7,000.00	6,844.75	6,811.35	6,811.07	35.19	29.10	-125.66	1,498.98	933.28	2,129.93	2,066.81	63.12	33.746		
7,050.00	6,889.97	6,858.55	6,858.27	35.37	29.30	-126.17	1,499.06	933.13	2,132.27	2,068.71	63.55	33.550		
7,100.00	6,933.42	6,903.80	6,903.51	35.57	29.50	-126.71	1,499.12	933.10	2,134.29	2,070.28	64.01	33.346		
7,150.00	6,974.83	6,943.39	6,943.10	35.79	29.66	-127.26	1,499.18	933.09	2,136.14	2,071.68	64.45	33.143		
7,200.00	7,013.96	6,981.12	6,980.84	36.02	29.82	-127.83	1,499.25	933.03	2,137.95	2,073.03	64.92	32.933		
7,250.00	7,050.56	7,017.33	7,017.04	36.28	29.98	-128.41	1,499.34	932.94	2,139.84	2,074.42	65.41	32.713		
7,300.00	7,084.39	7,051.66	7,051.37	36.57	30.12	-129.00	1,499.42	932.89	2,141.90	2,075.97	65.93	32.486		
7,350.00	7,115.27	7,082.89	7,082.60	36.89	30.26	-129.60	1,499.49	932.88	2,144.26	2,077.78	66.48	32.255		
7,400.00	7,142.99	7,112.06	7,111.77	37.25	30.38	-130.21	1,499.55	932.90	2,147.03	2,079.97	67.06	32.018		
7,450.00	7,167.38	7,139.24	7,138.96	37.65	30.49	-130.83	1,499.57	932.97	2,150.29	2,082.63	67.67	31.778		
7,500.00	7,188.30	7,161.11	7,160.82	38.08	30.59	-131.46	1,499.57	933.05	2,154.17	2,085.88	68.29	31.546		
7,550.00	7,205.61	7,178.23	7,177.95	38.55	30.66	-132.10	1,499.56	933.12	2,158.74	2,089.82	68.92	31.322		
7,600.00	7,219.20	7,191.64	7,191.35	39.06	30.72	-132.75	1,499.55	933.17	2,164.07	2,094.50	69.57	31.106		
7,650.00	7,229.00	7,201.25	7,200.96	39.61	30.76	-133.41	1,499.55	933.21	2,170.20	2,099.97	70.23	30.903		
7,700.00	7,234.95	7,206.99	7,206.70	40.18	30.78	-134.08	1,499.54	933.23	2,177.12	2,106.24	70.88	30.716		
7,750.07	7,237.00	7,208.84	7,208.55	40.78	30.79	-134.75	1,499.54	933.24	2,184.83	2,113.31	71.52	30.547		
7,800.00	7,237.09	7,208.74	7,208.45	41.41	30.79	-135.43	1,499.54	933.24	2,193.45	2,121.28	72.17	30.393		
7,900.00	7,237.28	7,208.52	7,208.23	42.79	30.79	-136.11	1,499.54	933.24	2,204.00	2,130.48	73.52	30.113		
8,000.00	7,237.47	7,208.31	7,208.02	44.31	30.79	-136.80	1,499.54	933.24	2,216.83	2,143.91	74.92	29.881		
8,100.00	7,237.65	7,208.10	7,207.81	45.97	30.79	-137.50	1,499.54	933.24	2,230.41	2,159.45	76.35	29.703		
8,200.00	7,237.84	7,207.88	7,207.59	47.75	30.79	-138.21	1,499.54	933.24	2,245.26	2,176.98	77.78	29.581		
8,300.00	7,238.02	7,207.67	7,207.38	49.63	30.78	-138.93	1,499.54	933.24	2,261.00	2,195.35	79.19	29.519		
8,400.00	7,238.21	7,207.46	7,207.17	51.61	30.78	-139.66	1,499.54	933.24	2,277.25	2,215.38	80.57	29.515 SF		
8,500.00	7,238.40	7,207.24	7,206.95	53.66	30.78	-140.40	1,499.54	933.23	2,293.82	2,236.92	81.90	29.570		
8,600.00	7,238.58	7,207.03	7,206.74	55.79	30.78	-141.15	1,499.54	933.23	2,310.49	2,258.78	83.19	29.680		
8,700.00	7,238.77	7,206.81	7,206.53	57.99	30.78	-141.91	1,499.54	933.23	2,327.26	2,280.49	84.41	29.845		
8,800.00	7,238.96	7,206.60	7,206.31	60.24	30.78	-142.68	1,499.54	933.23	2,344.00	2,302.77	85.57	30.060		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,239.14	7,206.39	7,206.10	62.54	30.78	89.94	1,499.54	933.23	2,628.21	2,541.54	86.67	30.324		
9,000.00	7,239.33	7,206.17	7,205.89	64.88	30.78	89.93	1,499.54	933.23	2,686.65	2,598.94	87.71	30.632		
9,100.00	7,239.52	7,205.96	7,205.67	67.27	30.78	89.93	1,499.54	933.23	2,747.48	2,658.80	88.68	30.982		
9,200.00	7,239.70	7,205.75	7,205.46	69.69	30.78	89.92	1,499.54	933.23	2,810.55	2,720.96	89.59	31.371		
9,300.00	7,239.89	7,205.53	7,205.24	72.15	30.78	89.92	1,499.54	933.23	2,875.72	2,785.28	90.44	31.797		
9,400.00	7,240.07	7,205.32	7,205.03	74.63	30.77	89.91	1,499.54	933.23	2,942.85	2,851.61	91.23	32.256		
9,500.00	7,240.26	7,205.11	7,204.82	77.14	30.77	89.91	1,499.54	933.23	3,011.80	2,919.82	91.97	32.746		
9,600.00	7,240.45	7,204.89	7,204.60	79.68	30.77	89.90	1,499.54	933.23	3,082.45	2,989.79	92.66	33.265		
9,700.00	7,240.63	7,204.68	7,204.39	82.23	30.77	89.89	1,499.54	933.22	3,154.69	3,061.38	93.31	33.810		
9,800.00	7,240.82	7,204.47	7,204.18	84.81	30.77	89.89	1,499.55	933.22	3,228.41	3,134.51	93.90	34.380		
9,900.00	7,241.01	7,204.25	7,203.96	87.40	30.77	89.88	1,499.55	933.22	3,303.51	3,209.06	94.46	34.973		
10,000.00	7,241.19	7,204.04	7,203.75	90.01	30.77	89.88	1,499.55	933.22	3,379.91	3,284.93	94.97	35.588		
10,100.00	7,241.38	7,203.83	7,203.54	92.64	30.77	89.87	1,499.55	933.22	3,457.50	3,362.05	95.46	36.221		
10,200.00	7,241.56	7,203.61	7,203.32	95.28	30.77	89.87	1,499.55	933.22	3,536.23	3,440.33	95.90	36.873		
10,300.00	7,241.75	7,203.40	7,203.11	97.93	30.77	89.86	1,499.55	933.22	3,616.00	3,519.68	96.32	37.542		
10,400.00	7,241.94	7,203.19	7,202.90	100.59	30.77	89.86	1,499.55	933.22	3,696.76	3,600.05	96.71	38.226		
10,500.00	7,242.12	7,202.97	7,202.68	103.26	30.76	89.85	1,499.55	933.22	3,778.44	3,681.37	97.07	38.925		
10,600.00	7,242.31	7,202.76	7,202.47	105.95	30.76	89.84	1,499.55	933.22	3,860.98	3,763.57	97.41	39.637		
10,700.00	7,242.50	7,202.54	7,202.26	108.64	30.76	89.84	1,499.55	933.22	3,944.33	3,846.61	97.72	40.362		
10,800.00	7,242.68	7,202.33	7,202.04	111.34	30.76	89.83	1,499.55	933.21	4,028.44	3,930.42	98.02	41.098		
10,900.00	7,242.87	7,202.12	7,201.83	114.05	30.76	89.83	1,499.55	933.21	4,113.26	4,014.96	98.30	41.845		
11,000.00	7,243.05	7,201.90	7,201.62	116.76	30.76	89.82	1,499.55	933.21	4,198.74	4,100.19	98.56	42.603		
11,100.00	7,243.24	7,201.69	7,201.40	119.49	30.76	89.82	1,499.55	933.21	4,284.86	4,186.06	98.80	43.370		
11,200.00	7,243.43	7,201.48	7,201.19	122.22	30.76	89.81	1,499.55	933.21	4,371.57	4,272.54	99.03	44.146		
11,300.00	7,243.61	7,201.26	7,200.97	124.95	30.76	89.80	1,499.55	933.21	4,458.83	4,359.59	99.24	44.930		
11,400.00	7,243.80	7,201.05	7,200.76	127.69	30.76	89.80	1,499.55	933.21	4,546.62	4,447.18	99.44	45.721		
11,500.00	7,243.99	7,200.84	7,200.55	130.44	30.76	89.79	1,499.55	933.21	4,634.90	4,535.27	99.63	46.520		
11,600.00	7,244.17	7,200.62	7,200.33	133.19	30.75	89.79	1,499.55	933.21	4,723.65	4,623.84	99.81	47.326		
11,700.00	7,244.36	7,200.41	7,200.12	135.94	30.75	89.78	1,499.55	933.21	4,812.84	4,712.86	99.98	48.138		
11,800.00	7,244.55	7,200.20	7,199.91	138.70	30.75	89.78	1,499.55	933.21	4,902.45	4,802.31	100.14	48.955		
11,900.00	7,244.73	7,199.98	7,199.69	141.47	30.75	89.77	1,499.55	933.21	4,992.45	4,892.16	100.29	49.779		
12,000.00	7,244.92	7,199.77	7,199.48	144.24	30.75	89.76	1,499.55	933.20	5,082.83	4,982.39	100.44	50.607		
12,100.00	7,245.10	7,199.56	7,199.27	147.01	30.75	89.76	1,499.55	933.20	5,173.56	5,072.98	100.57	51.441		
12,200.00	7,245.29	7,199.34	7,199.05	149.78	30.75	89.75	1,499.55	933.20	5,264.62	5,163.92	100.70	52.279		
12,300.00	7,245.48	7,199.13	7,198.84	152.56	30.75	89.75	1,499.55	933.20	5,356.01	5,255.18	100.83	53.121		
12,400.00	7,245.66	7,198.91	7,198.63	155.34	30.75	89.74	1,499.55	933.20	5,447.70	5,346.75	100.95	53.967		
12,500.00	7,245.85	7,198.70	7,198.41	158.12	30.75	89.74	1,499.55	933.20	5,539.67	5,438.61	101.06	54.817		
12,600.00	7,246.04	7,198.49	7,198.20	160.91	30.75	89.73	1,499.55	933.20	5,631.92	5,530.76	101.17	55.670		
12,700.00	7,246.22	7,198.27	7,197.99	163.70	30.74	89.72	1,499.55	933.20	5,724.43	5,623.16	101.27	56.527		
12,800.00	7,246.41	7,198.06	7,197.77	166.49	30.74	89.72	1,499.55	933.20	5,817.19	5,715.82	101.37	57.387		
12,900.00	7,246.59	7,197.85	7,197.56	169.28	30.74	89.71	1,499.55	933.20	5,910.18	5,808.72	101.46	58.249		
13,000.00	7,246.78	7,197.63	7,197.35	172.08	30.74	89.71	1,499.55	933.20	6,003.40	5,901.84	101.56	59.115		
13,100.00	7,246.97	7,197.42	7,197.13	174.88	30.74	89.70	1,499.55	933.20	6,096.83	5,995.19	101.64	59.983		
13,200.00	7,247.15	7,197.21	7,196.92	177.68	30.74	89.70	1,499.55	933.19	6,190.47	6,088.74	101.73	60.853		
13,300.00	7,247.34	7,196.99	7,196.70	180.48	30.74	89.69	1,499.55	933.19	6,284.31	6,182.50	101.81	61.725		
13,400.00	7,247.53	7,196.78	7,196.49	183.28	30.74	89.69	1,499.55	933.19	6,378.33	6,276.44	101.89	62.600		
13,500.00	7,247.71	7,196.57	7,196.28	186.09	30.74	89.68	1,499.55	933.19	6,472.53	6,370.56	101.97	63.476		
13,600.00	7,247.90	7,196.35	7,196.06	188.90	30.74	89.67	1,499.55	933.19	6,566.90	6,464.86	102.04	64.355		
13,700.00	7,248.08	7,196.14	7,195.85	191.70	30.74	89.67	1,499.55	933.19	6,661.44	6,559.32	102.12	65.234		
13,800.00	7,248.27	7,195.93	7,195.64	194.52	30.73	89.66	1,499.55	933.19	6,756.13	6,653.95	102.19	66.116		
13,900.00	7,248.46	7,195.71	7,195.42	197.33	30.73	89.66	1,499.55	933.19	6,850.98	6,748.72	102.26	66.999		
14,000.00	7,248.64	7,195.50	7,195.21	200.14	30.73	89.65	1,499.55	933.19	6,945.97	6,843.64	102.32	67.883		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,248.83	7,195.29	7,195.00	202.95	30.73	89.65	1,499.55	933.19	7,041.10	6,938.71	102.39	68.768		
14,200.00	7,249.02	7,195.07	7,194.78	205.77	30.73	89.64	1,499.55	933.19	7,136.36	7,033.90	102.45	69.655		
14,300.00	7,249.20	7,194.86	7,194.57	208.59	30.73	89.63	1,499.55	933.19	7,231.75	7,129.23	102.52	70.542		
14,400.00	7,249.39	7,194.64	7,194.36	211.41	30.73	89.63	1,499.55	933.18	7,327.26	7,224.68	102.58	71.431		
14,500.00	7,249.58	7,194.43	7,194.14	214.23	30.73	89.62	1,499.55	933.18	7,422.89	7,320.25	102.64	72.320		
14,600.00	7,249.76	7,194.22	7,193.93	217.05	30.73	89.62	1,499.55	933.18	7,518.63	7,415.93	102.70	73.210		
14,700.00	7,249.95	7,194.00	7,193.72	219.87	30.73	89.61	1,499.55	933.18	7,614.49	7,511.73	102.76	74.101		
14,800.00	7,250.13	7,193.79	7,193.50	222.69	30.73	89.61	1,499.55	933.18	7,710.45	7,607.63	102.82	74.993		
14,900.00	7,250.32	7,193.58	7,193.29	225.51	30.72	89.60	1,499.55	933.18	7,806.51	7,703.63	102.87	75.885		
15,000.00	7,250.51	7,193.36	7,193.08	228.34	30.72	89.59	1,499.55	933.18	7,902.66	7,799.73	102.93	76.777		
15,100.00	7,250.69	7,193.15	7,192.86	231.16	30.72	89.59	1,499.55	933.18	7,998.92	7,895.93	102.99	77.670		
15,200.00	7,250.88	7,192.94	7,192.65	233.99	30.72	89.58	1,499.55	933.18	8,095.26	7,992.22	103.04	78.563		
15,300.00	7,251.07	7,192.72	7,192.43	236.82	30.72	89.58	1,499.55	933.18	8,191.69	8,088.59	103.10	79.457		
15,400.00	7,251.25	7,192.51	7,192.22	239.65	30.72	89.57	1,499.55	933.18	8,288.21	8,185.06	103.15	80.350		
15,500.00	7,251.44	7,192.30	7,192.01	242.47	30.72	89.57	1,499.55	933.17	8,384.80	8,281.60	103.20	81.244		
15,600.00	7,251.62	7,192.08	7,191.79	245.30	30.72	89.56	1,499.55	933.17	8,481.48	8,378.22	103.26	82.138		
15,700.00	7,251.81	7,191.87	7,191.58	248.13	30.72	89.55	1,499.55	933.17	8,578.23	8,474.92	103.31	83.033		
15,800.00	7,252.00	7,191.66	7,191.37	250.97	30.72	89.55	1,499.55	933.17	8,675.06	8,571.69	103.36	83.927		
15,900.00	7,252.18	7,191.44	7,191.15	253.80	30.72	89.54	1,499.55	933.17	8,771.95	8,668.54	103.42	84.821		
16,000.00	7,252.37	7,191.23	7,190.94	256.63	30.71	89.54	1,499.55	933.17	8,868.92	8,765.45	103.47	85.715		
16,100.00	7,252.56	7,191.02	7,190.73	259.46	30.71	89.53	1,499.55	933.17	8,965.95	8,862.43	103.52	86.609		
16,200.00	7,252.74	7,190.80	7,190.51	262.30	30.71	89.53	1,499.55	933.17	9,063.05	8,959.48	103.57	87.503		
16,300.00	7,252.93	7,190.59	7,190.30	265.13	30.71	89.52	1,499.55	933.17	9,160.21	9,056.58	103.63	88.396		
16,400.00	7,253.11	7,190.37	7,190.09	267.96	30.71	89.51	1,499.55	933.17	9,257.43	9,153.75	103.68	89.289		
16,500.00	7,253.30	7,190.16	7,189.87	270.80	30.71	89.51	1,499.55	933.17	9,354.71	9,250.98	103.73	90.182		
16,600.00	7,253.49	7,189.95	7,189.66	273.64	30.71	89.50	1,499.55	933.17	9,452.04	9,348.26	103.78	91.075		
16,700.00	7,253.67	7,189.73	7,189.45	276.47	30.71	89.50	1,499.55	933.16	9,549.43	9,445.60	103.83	91.967		
16,800.00	7,253.86	7,189.52	7,189.23	279.31	30.71	89.49	1,499.55	933.16	9,646.88	9,542.99	103.89	92.859		
16,900.00	7,254.05	7,189.31	7,189.02	282.15	30.71	89.49	1,499.55	933.16	9,744.37	9,640.43	103.94	93.751		
17,000.00	7,254.23	7,189.09	7,188.81	284.98	30.71	89.48	1,499.55	933.16	9,841.92	9,737.93	103.99	94.642		
17,100.00	7,254.42	7,188.88	7,188.59	287.82	30.70	89.48	1,499.55	933.16	9,939.51	9,835.47	104.04	95.532		

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
Reference Well: Falken 33C-9-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Falken 33C-9-L
TVD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
MD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

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

Offset Depths are relative to Offset Datum

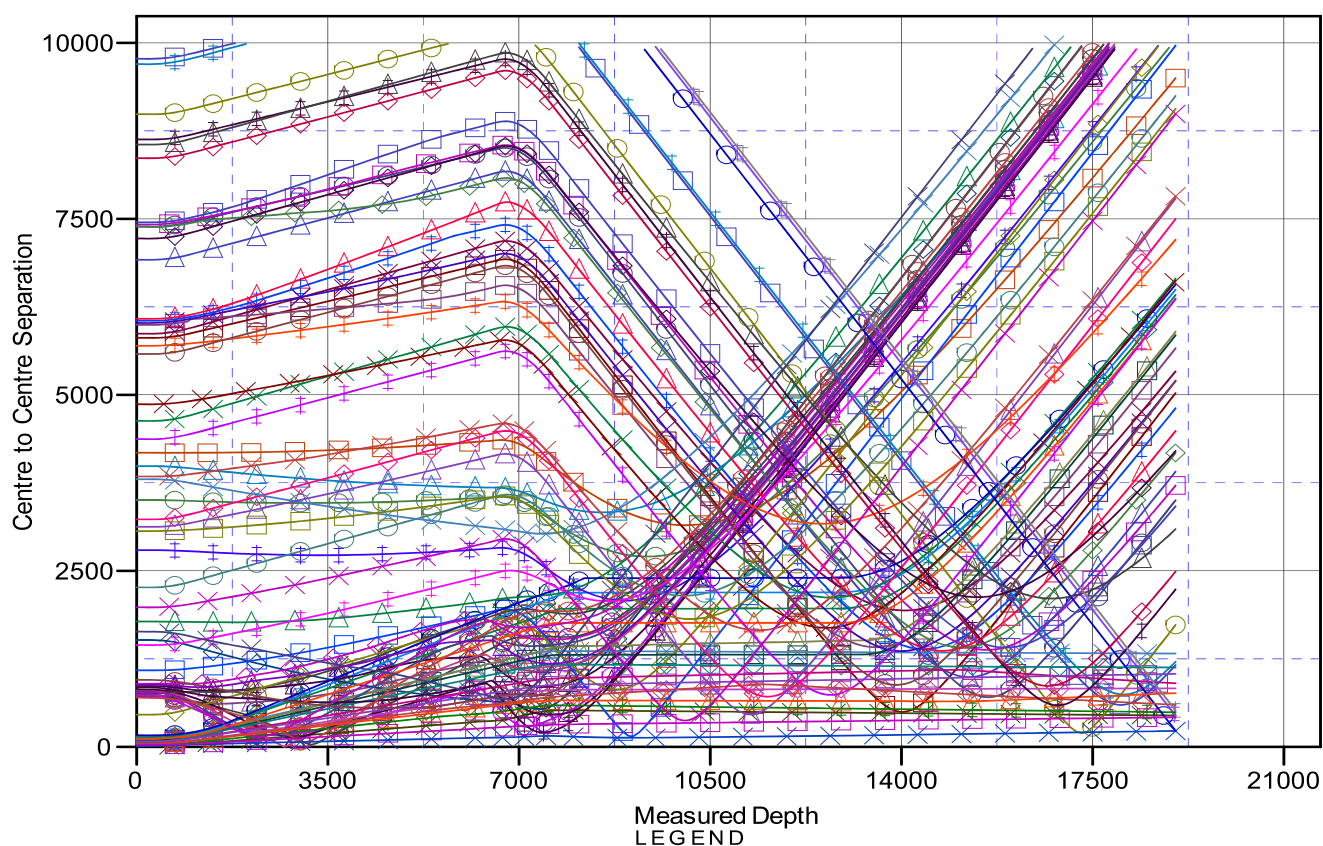
Central Meridian is -105.5000000

Coordinates are relative to: Falken 33C-9-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Ladder Plot



Fagerberg 15N-7A-M, OH, OH V0
 CARLSON #14-2(S), OH, OH V0
 Falken 31N-14B-S, OH, Plan#1 V0
 Fagerberg 6C-7-M, OH, OH V0
 Falken 4N-14C-S, OH, Plan #1 V0
 ANDERSON #1-10-6-66(PA), OH, OH V0
 Harvesters Resources #15R-323(PR), OH, OH V0
 CARLSON #14-1(PR), OH, OH V0
 OTTOSON #3(PR), OH, OH V0
 Falken 33N-9A-L, OH, Plan#1 V0
 Montera #10-34(PR), OH, OH V0
 Fagerberg 36N-7B-M, OH, OH V0
 ANDERSON #42-10(PR), OH, OH V0
 SOUTHARD #42-10(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 23N(S)-7B-M, OH, OH V0
 JOHNSTON #11-16GG(TA), OH, OH V0
 Fagerberg 28N-18B-M, OH, OH V0
 Fagerberg 11N-7A-M, OH, OH V0
 Fagerberg 11C-7-M, OH, OH V0
 BLACK GOLD #5(PR), OH, OH V0
 Merr#6-66-9-0857BH(PR), OH, OH V0
 Falken 32C-9-L, OH, Plan # 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
 Montera #10-33(PR), OH, OH V0
 Falken 30N-14B-S, OH, Plan#1 V0
 BLACK GOLD 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 31C-14-S, Plan #1, 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
 Falken 4N-14A-S, OH, Plan#1 V0
 BLACK GOLD PETROLEUM #1(PR), OH, OH V0
 GLEESPE #11-1(PA), OH, OH V0
 ANDERSON JANUARY #1(PR), OH, OH V0
 Fagerberg 6N-7C-M, OH, OH V0
 MONTERA #11-11(PR), OH, OH V0
 OTTOSON #2(PA), OH, OH V0
 MONTERA #11-14(PR), OH, OH V0
 Falken 33N-9C-L, OH, Plan #1 V0
 J.R. #1(PA), OH, OH V0
 146 COMPANY #14-1, OH, OH V0
 Merr#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
 Jeff #1, OH, OH V0
 CARLSON #10-1(PA), OH, OH V0
 Montera #10-43(S), OH, OH V0
 ANDERSON #32-10(PR), OH, OH V0
 JOHNSTON #1(PA), OH, OH V0
 MICHAEL #14-2, OH, OH V0
 OTTOSON #12-12(PR), OH, OH V0
 OTTOSON #12-25(PR), OH, OH V0
 Merr#6-66-9-0758CDH(PR), OH, OH V0
 SOUTH WOODS #10-3(PA), OH, OH V0
 Fagerberg 36C-7-M, OH, OH V0

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
Reference Well: Falken 33C-9-L
Well Error: 3.28 ft
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Local Co-ordinate Reference: Well Falken 33C-9-L
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Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

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

Offset Depths are relative to Offset Datum

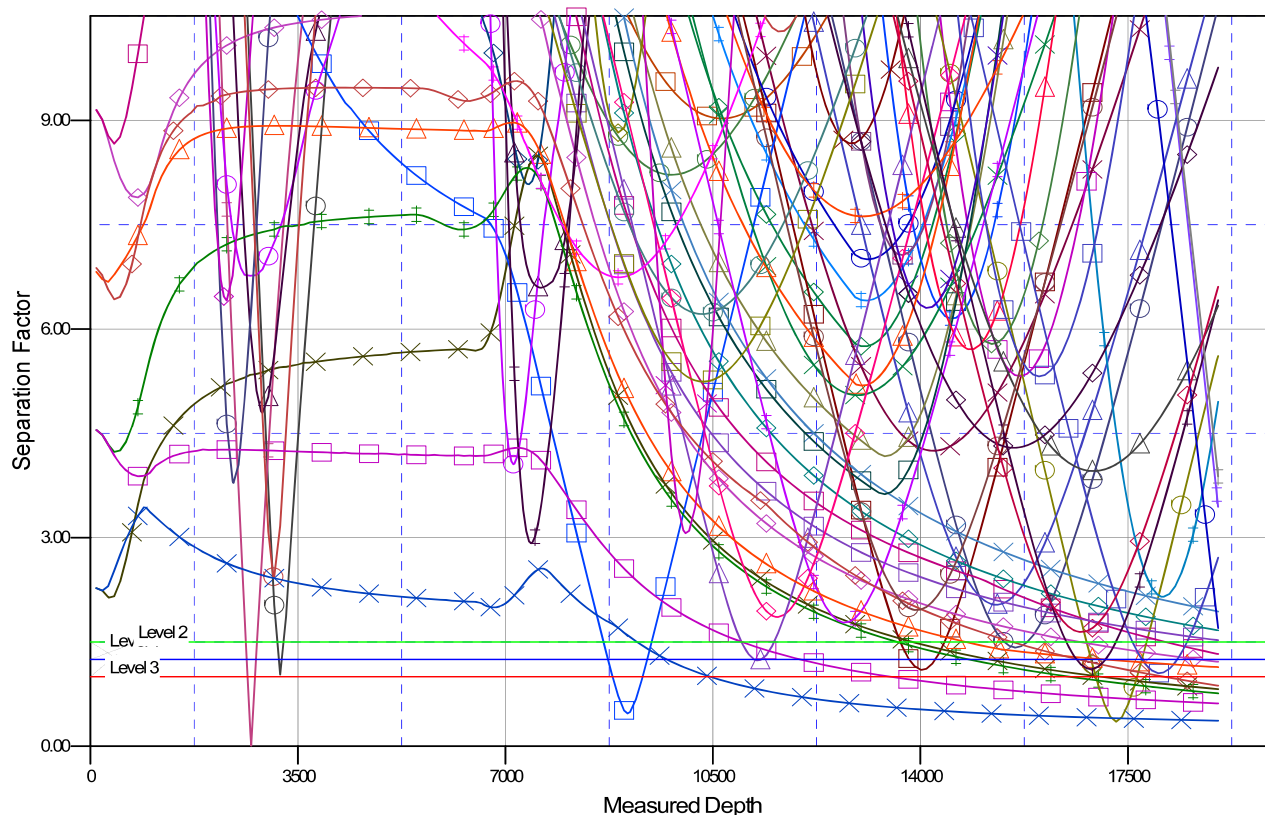
Central Meridian is -105.5000000

Coordinates are relative to: Falken 33C-9-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Separation Factor Plot



LEGEND

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