



Synergy Resources Corporation

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

**OH
Plan #1**

Anticollision Report

25 April, 2017



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

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCSWA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	4/24/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	18,838.78	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	12,396.81	7,035.15	3,691.22	3,286.33	9.117	CC
146 COMPANY #14-1 - OH - OH	12,500.00	7,035.39	3,692.66	3,284.97	9.057	ES
146 COMPANY #14-1 - OH - OH	13,100.00	7,036.77	3,757.60	3,336.22	8.917	SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,840.15	7,076.48	1,004.59	557.81	2.248	CC, ES
ANDERSON #1-10-6-66(PA) - OH - OH	13,900.00	7,076.61	1,006.37	558.29	2.246	SF
ANDERSON #32-10(PR) - OH - OH	15,193.35	7,117.60	1,632.09	1,145.70	3.355	CC
ANDERSON #32-10(PR) - OH - OH	15,200.00	7,117.61	1,632.10	1,145.52	3.354	ES
ANDERSON #32-10(PR) - OH - OH	15,300.00	7,117.84	1,635.57	1,146.61	3.345	SF
ANDERSON #42-10(PR) - OH - OH	13,851.29	7,104.50	1,431.63	983.55	3.195	CC
ANDERSON #42-10(PR) - OH - OH	13,900.00	7,104.61	1,432.46	983.10	3.188	ES, SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,505.52	7,105.60	219.52	-190.86	0.535	Level 1, CC, ES, SF
BLACK GOLD #5(PR) - OH - OH	17,114.54	7,114.02	284.42	-256.27	0.526	Level 1, CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	17,842.86	7,103.30	1,066.52	505.53	1.901	CC, ES
BLACK GOLD PETROLEUM #1(PR) - OH - OH	17,900.00	7,103.17	1,068.05	505.92	1.900	SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	17,874.14	7,108.63	273.24	-72.74	0.790	Level 1, CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	16,684.26	7,104.97	1,073.02	544.85	2.032	CC
BLACKGOLD #3(PA) - OH - OH	16,700.00	7,104.93	1,073.14	544.56	2.030	ES, SF
CARLSON #10-1(PA) - OH - OH	16,553.78	7,106.73	1,626.17	1,101.63	3.100	CC
CARLSON #10-1(PA) - OH - OH	16,600.00	7,106.84	1,626.82	1,101.07	3.094	ES, SF
CARLSON #14-1(PR) - OH - OH	8,789.10	7,140.30	2,637.63	2,542.67	27.778	CC
CARLSON #14-1(PR) - OH - OH	8,900.00	7,143.24	2,639.95	2,542.42	27.067	ES
CARLSON #14-1(PR) - OH - OH	9,800.00	7,167.13	2,824.58	2,709.63	24.571	SF
CARLSON #14-2(SI) - OH - OH	9,903.25	7,025.40	3,693.29	3,356.95	10.981	CC
CARLSON #14-2(SI) - OH - OH	10,000.00	7,025.62	3,694.56	3,355.70	10.903	ES
CARLSON #14-2(SI) - OH - OH	10,700.00	7,027.24	3,778.26	3,423.02	10.636	SF
Fagerberg 11C-7-M - OH - OH	7,652.73	7,140.95	110.14	38.69	1.542	CC, ES, SF
Fagerberg 11N-7A-M - OH - OH	7,250.00	7,294.16	261.62	192.41	3.780	SF
Fagerberg 11N-7A-M - OH - OH	7,261.50	7,283.83	261.56	192.38	3.781	CC, ES
Fagerberg 15N-7A-M - OH - OH	1,219.34	1,115.21	676.92	665.06	57.076	CC, ES
Fagerberg 15N-7A-M - OH - OH	8,100.00	6,646.83	1,667.96	1,591.85	21.913	SF
Fagerberg 23N-7C-M - OH - OH	7,500.64	7,206.23	761.85	691.62	10.848	CC, ES
Fagerberg 23N-7C-M - OH - OH	7,600.00	7,150.04	764.84	693.75	10.758	SF
Fagerberg 25N(S)-7B-M - OH - OH	2,919.18	2,924.48	182.20	154.42	6.558	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	3,000.00	2,999.57	184.43	156.00	6.487	SF
Fagerberg 25N-7B-M - OH - OH	2,470.07	2,500.62	2.40	-22.25	0.097	Level 1, CC, ES, SF
Fagerberg 25N-7C-M - OH - OH	2,651.99	2,671.74	64.50	38.97	2.526	CC, ES, SF
Fagerberg 28N-18B-M - OH - OH	277.52	269.04	923.02	916.22	135.811	CC, ES

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

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 28N-18B-M - OH - OH	8,600.00	6,998.50	2,253.75	2,164.12	25.145	SF
Fagerberg 36C-7-M - OH - OH	953.38	830.57	898.90	889.41	94.723	CC
Fagerberg 36C-7-M - OH - OH	980.89	850.26	898.96	889.30	93.092	ES
Fagerberg 36C-7-M - OH - OH	8,300.00	6,880.74	1,848.03	1,766.11	22.560	SF
Fagerberg 36N-7B-M - OH - OH	1,116.60	985.70	857.94	847.18	79.711	CC, ES
Fagerberg 36N-7B-M - OH - OH	7,700.00	7,700.00	1,432.07	1,356.07	18.844	SF
Fagerberg 3C-18-M - OH - OH	100.00	87.87	779.85	776.37	224.254	CC, ES
Fagerberg 3C-18-M - OH - OH	8,900.00	6,570.12	2,641.65	2,549.28	28.598	SF
Fagerberg 6C-7-M - OH - OH	3,503.73	3,495.22	171.88	139.46	5.302	CC, ES, SF
Fagerberg 6N-7C-M - OH - OH	3,364.72	3,362.85	112.43	81.35	3.618	CC, ES, SF
Falken 16C-9-L - OH - Plan #1	300.00	300.00	59.74	52.85	8.671	CC, ES
Falken 16C-9-L - OH - Plan #1	18,839.14	19,047.62	899.89	226.51	1.336	Level 3, SF
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	74.68	68.01	11.190	CC, ES
Falken 16N-9B-L - OH - Plan #1	18,839.14	18,896.69	1,210.98	527.27	1.771	SF
Falken 30C-14-S - OH - Plan #1	200.00	200.00	134.79	128.12	20.196	CC, ES
Falken 30C-14-S - OH - Plan #1	13,300.00	13,555.88	2,042.93	1,679.22	5.617	SF
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	119.86	113.18	17.959	CC, ES
Falken 30N-14B-S - OH - Plan #1	13,300.00	13,368.87	1,826.89	1,461.18	4.995	SF
Falken 31C-14-S - Plan #1 - Plan #1	300.00	300.00	194.91	188.02	28.289	CC, ES
Falken 31C-14-S - Plan #1 - Plan #1	13,100.00	13,480.77	2,947.44	2,600.78	8.502	SF
Falken 31N-14B-S - OH - Plan #1	300.00	300.00	179.97	173.08	26.121	CC, ES
Falken 31N-14B-S - OH - Plan #1	13,000.00	13,256.62	2,720.74	2,374.51	7.858	SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	60.11	53.44	9.007	CC, ES
Falken 32C-9-L - OH - Plan #1	18,839.14	19,037.51	883.19	211.06	1.314	Level 3, SF
Falken 32N-9B-L - OH - Plan #1	300.00	300.00	45.18	38.29	6.558	CC
Falken 32N-9B-L - OH - Plan #1	18,839.14	18,854.31	650.10	-35.46	0.948	Level 1, ES, SF
Falken 33C-9-L - OH - Plan #1	300.00	300.00	29.87	22.98	4.335	CC
Falken 33C-9-L - OH - Plan #1	18,839.14	19,022.43	492.94	-154.28	0.762	Level 1, ES, SF
Falken 33N-9A-L - OH - Plan #1	200.00	200.00	14.93	8.25	2.237	CC
Falken 33N-9A-L - OH - Plan #1	18,839.14	18,705.99	166.93	-351.03	0.322	Level 1, ES, SF
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	44.80	38.13	6.713	CC
Falken 33N-9C-L - OH - Plan #1	18,839.14	18,918.28	666.33	-15.65	0.977	Level 1, ES, SF
Falken 34C-9-L - OH - Plan #1	300.00	300.00	89.98	83.09	13.060	CC, ES
Falken 34C-9-L - OH - Plan #1	18,839.14	19,118.22	1,305.83	626.52	1.922	SF
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	104.92	98.24	15.720	CC, ES
Falken 34N-9C-L - OH - Plan #1	18,839.14	19,013.64	1,496.60	812.86	2.189	SF
Falken 4N-14A-S - OH - Plan #1	300.00	300.00	149.73	142.84	21.732	CC, ES
Falken 4N-14A-S - OH - Plan #1	12,900.00	13,002.01	2,264.53	1,920.23	6.577	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	164.66	157.99	24.672	CC, ES
Falken 4N-14C-S - OH - Plan #1	13,000.00	13,210.89	2,497.45	2,152.22	7.234	SF
Falken 9C-9-L - OH - Plan #1	209.66	209.66	15.31	8.62	2.289	CC
Falken 9C-9-L - OH - Plan #1	18,839.14	19,025.91	221.27	-235.55	0.484	Level 1, ES, SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	30.24	23.57	4.531	CC
Falken 9N-9C-L - OH - Plan #1	18,839.14	18,906.26	439.97	-238.11	0.649	Level 1, ES, SF
GILLESPIE #11-1(PA) - OH - OH	9,824.22	7,061.22	1,604.09	1,268.58	4.781	CC
GILLESPIE #11-1(PA) - OH - OH	9,900.00	7,061.39	1,605.88	1,268.42	4.759	ES
GILLESPIE #11-1(PA) - OH - OH	10,000.00	7,061.62	1,613.69	1,273.93	4.749	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,733.22	6,632.00	1,817.10	1,541.22	6.587	CC
Harvesters Resources #15M-303(PR) - OH - OH	15,800.00	6,632.00	1,818.32	1,540.83	6.553	ES
Harvesters Resources #15M-303(PR) - OH - OH	15,900.00	6,632.00	1,824.73	1,545.45	6.534	SF
Harvesters Resources #15M-423(PR) - OH - OH	15,397.52	6,667.00	1,797.86	1,531.05	6.738	CC
Harvesters Resources #15M-423(PR) - OH - OH	15,400.00	6,667.00	1,797.86	1,530.98	6.737	ES
Harvesters Resources #15M-423(PR) - OH - OH	15,600.00	6,667.00	1,809.23	1,538.37	6.680	SF

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 33N-9B-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

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

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
Harvesters Resources #15R-243(PR) - OH - OH	14,921.24	6,606.00	1,829.82	1,577.67	7.257	CC
Harvesters Resources #15R-243(PR) - OH - OH	15,000.00	6,606.00	1,831.52	1,577.34	7.206	ES
Harvesters Resources #15R-243(PR) - OH - OH	15,100.00	6,606.00	1,838.53	1,582.39	7.178	SF
Harvesters Resources #15R-323(PR) - OH - OH	14,242.52	6,643.38	1,813.93	1,580.16	7.759	CC
Harvesters Resources #15R-323(PR) - OH - OH	14,300.00	6,643.44	1,814.84	1,579.65	7.716	ES
Harvesters Resources #15R-323(PR) - OH - OH	14,400.00	6,643.54	1,820.75	1,583.58	7.677	SF
Harvesters Resources #15R-403(PR) - OH - OH	14,573.15	6,700.00	1,795.33	1,548.06	7.261	CC
Harvesters Resources #15R-403(PR) - OH - OH	14,600.00	6,700.00	1,795.53	1,547.59	7.242	ES
Harvesters Resources #15R-403(PR) - OH - OH	14,800.00	6,700.00	1,809.61	1,558.19	7.198	SF
Harvesters Resources #15U-203(PR) - OH - OH	13,367.31	6,600.00	1,839.39	1,631.53	8.849	CC
Harvesters Resources #15U-203(PR) - OH - OH	13,400.00	6,600.00	1,839.68	1,630.92	8.813	ES
Harvesters Resources #15U-203(PR) - OH - OH	13,600.00	6,600.00	1,854.05	1,641.06	8.705	SF
Harvesters Resources #15U-443(PR) - OH - OH	13,828.10	6,700.00	1,798.99	1,577.39	8.118	CC
Harvesters Resources #15U-443(PR) - OH - OH	13,900.00	6,700.00	1,800.42	1,577.01	8.059	ES
Harvesters Resources #15U-443(PR) - OH - OH	14,000.00	6,700.00	1,807.18	1,581.75	8.016	SF
J.R. #1(PA) - OH - OH	300.00	206.00	1,416.14	1,406.34	144.470	CC
J.R. #1(PA) - OH - OH	8,404.24	6,967.94	1,513.17	1,215.99	5.092	ES
J.R. #1(PA) - OH - OH	8,600.00	6,968.39	1,525.78	1,224.39	5.062	SF
Jeff #1 - OH - OH	11,209.17	7,037.78	2,187.73	2,029.58	13.833	CC
Jeff #1 - OH - OH	11,300.00	7,038.23	2,189.62	2,029.10	13.641	ES
Jeff #1 - OH - OH	11,700.00	7,040.18	2,242.12	2,073.84	13.324	SF
JOHNSON #1(PA) - OH - OH	9,857.90	7,108.05	921.29	799.37	7.557	CC
JOHNSON #1(PA) - OH - OH	9,900.00	7,107.86	922.25	799.36	7.505	ES
JOHNSON #1(PA) - OH - OH	10,000.00	7,107.41	932.18	807.66	7.486	SF
JOHNSON #11-16G6(TA) - OH - OH	8,876.43	7,044.03	702.64	391.83	2.261	CC
JOHNSON #11-16G6(TA) - OH - OH	8,900.00	7,044.09	703.04	391.72	2.258	ES, SF
JOHNSON #2(PA) - OH - OH	8,593.07	7,046.53	259.06	169.06	2.878	CC
JOHNSON #2(PA) - OH - OH	8,600.00	7,046.57	259.15	168.98	2.874	ES, SF
KRISTY #1(PA) - OH - OH	12,452.23	7,045.78	2,212.02	2,019.37	11.482	CC
KRISTY #1(PA) - OH - OH	12,500.00	7,045.79	2,212.53	2,018.61	11.409	ES
KRISTY #1(PA) - OH - OH	12,800.00	7,045.82	2,239.19	2,038.96	11.183	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	18,839.14	10,785.77	547.77	407.76	3.912	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	18,839.14	10,838.90	252.61	107.12	1.736	CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	18,839.14	10,830.01	416.79	294.98	3.422	CC, ES, SF
MICHAEL I #14-2 - OH - OH	9,975.43	7,044.57	2,359.90	2,020.98	6.963	CC
MICHAEL I #14-2 - OH - OH	10,000.00	7,044.62	2,360.03	2,020.47	6.950	ES
MICHAEL I #14-2 - OH - OH	10,300.00	7,045.31	2,382.11	2,035.50	6.873	SF
Montera #10-33(PR) - OH - OH	15,045.01	7,105.75	495.34	13.55	1.028	Level 2, CC, ES, SF
Montera #10-34(PR) - OH - OH	15,411.46	7,082.10	1,198.50	707.18	2.439	CC, ES
Montera #10-34(PR) - OH - OH	15,500.00	7,082.30	1,201.77	708.64	2.437	SF
Montera #10-43(SI) - OH - OH	13,709.42	7,084.17	371.06	-72.31	0.837	Level 1, CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,365.76	7,084.77	183.86	-194.17	0.486	Level 1, CC, ES, SF
MONTERA I #11-14(PR) - OH - OH	11,064.23	7,066.08	994.84	625.75	2.695	CC
MONTERA I #11-14(PR) - OH - OH	11,100.00	7,066.16	995.49	625.52	2.691	ES, SF
MONTERA I #14-8 - OH - OH	8,370.58	7,039.87	3,889.37	3,590.42	13.010	CC
MONTERA I #14-8 - OH - OH	8,500.00	7,040.16	3,891.52	3,589.75	12.896	ES
MONTERA I #14-8 - OH - OH	9,400.00	7,042.24	4,023.30	3,701.98	12.521	SF
OPAL #1(PA) - OH - OH	12,513.33	7,111.42	1,600.30	1,189.50	3.896	CC, ES
OPAL #1(PA) - OH - OH	12,600.00	7,111.62	1,602.64	1,189.61	3.880	SF
OTTOSON #2(PA) - OH - OH	7,139.58	6,957.79	3,587.13	3,521.96	55.039	CC
OTTOSON #2(PA) - OH - OH	7,200.00	6,992.27	3,587.52	3,521.71	54.519	ES
OTTOSON #2(PA) - OH - OH	9,600.00	7,076.88	4,349.09	4,247.25	42.704	SF
OTTOSON #3(PR) - OH - OH	7,132.72	6,870.78	1,091.20	1,026.48	16.859	CC

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

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Offset Well - Wellbore - Design						
Falken 9-11 PAD						
OTTOSON #3(PR) - OH - OH	7,150.00	6,880.81	1,091.29	1,026.40	16.819	ES
OTTOSON #3(PR) - OH - OH	7,350.00	6,975.26	1,106.91	1,040.04	16.554	SF
OTTOSON I #12-12(PR) - OH - OH	7,165.99	6,907.21	183.86	118.67	2.820	CC, ES, SF
OTTOSON I #12-25(PR) - OH - OH	6,096.15	5,910.37	758.47	704.71	14.108	CC
OTTOSON I #12-25(PR) - OH - OH	6,569.13	6,401.12	758.95	701.47	13.203	ES
OTTOSON I #12-25(PR) - OH - OH	6,650.00	6,483.44	763.35	705.26	13.142	SF
POP I #14-17 - OH - OH	9,183.86	7,038.74	3,253.38	2,935.16	10.224	CC
POP I #14-17 - OH - OH	9,300.00	7,039.01	3,255.45	2,934.37	10.139	ES
POP I #14-17 - OH - OH	9,900.00	7,040.39	3,331.26	2,996.60	9.954	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,493.97	7,076.59	383.52	-138.26	0.735	Level 1, CC
SOUTH WOODS #10-3(PA) - OH - OH	16,500.00	7,076.61	383.57	-138.36	0.735	Level 1, ES, SF
SOUTHARD #2(PR) - OH - OH	3,640.03	3,508.28	1,556.53	1,522.91	46.291	CC
SOUTHARD #2(PR) - OH - OH	7,200.00	6,929.77	1,587.58	1,522.04	24.225	ES
SOUTHARD #2(PR) - OH - OH	7,600.00	7,029.20	1,638.70	1,568.29	23.275	SF

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-132.12	-3,836.50	-4,242.48	5,720.02					
100.00	100.00	64.00	64.00	3.28	3.47	-132.12	-3,836.50	-4,242.48	5,719.91	5,713.16	6.75	847.427		
200.00	200.00	164.00	164.00	3.34	5.16	-132.12	-3,836.50	-4,242.48	5,719.91	5,711.42	8.49	673.387		
300.00	300.00	264.00	264.00	3.44	8.16	-132.12	-3,836.50	-4,242.48	5,719.91	5,708.31	11.60	492.927		
400.00	399.98	363.98	363.98	3.60	11.44	132.36	-3,836.50	-4,242.48	5,721.09	5,706.05	15.04	380.374		
500.00	499.84	463.84	463.84	3.80	14.81	132.35	-3,836.50	-4,242.48	5,724.61	5,706.00	18.61	307.584		
600.00	599.45	563.45	563.45	4.04	18.22	132.33	-3,836.50	-4,242.48	5,730.50	5,708.24	22.26	257.456		
700.00	698.70	662.70	662.70	4.31	21.64	132.29	-3,836.50	-4,242.48	5,738.73	5,712.78	25.95	221.134		
800.00	797.47	761.47	761.47	4.62	25.05	132.25	-3,836.50	-4,242.48	5,749.33	5,719.65	29.67	193.749		
900.00	895.62	859.62	859.62	4.97	28.45	132.20	-3,836.50	-4,242.48	5,762.28	5,728.87	33.41	172.447		
980.89	974.49	938.49	938.49	5.27	31.19	132.14	-3,836.50	-4,242.48	5,774.49	5,738.04	36.45	158.430		
1,000.00	993.07	957.07	957.07	5.34	31.84	132.18	-3,836.50	-4,242.48	5,777.55	5,740.39	37.17	155.450		
1,100.00	1,090.26	1,054.26	1,054.26	5.75	35.21	132.35	-3,836.50	-4,242.48	5,793.63	5,752.70	40.93	141.547		
1,200.00	1,187.45	1,151.45	1,151.45	6.17	38.59	132.52	-3,836.50	-4,242.48	5,809.77	5,765.05	44.72	129.926		
1,300.00	1,284.64	1,248.64	1,248.64	6.62	41.97	132.68	-3,836.50	-4,242.48	5,825.95	5,777.43	48.52	120.078		
1,400.00	1,381.83	1,345.83	1,345.83	7.07	45.36	132.85	-3,836.50	-4,242.48	5,842.18	5,789.84	52.33	111.633		
1,500.00	1,479.01	1,443.01	1,443.01	7.54	48.74	133.02	-3,836.50	-4,242.48	5,858.46	5,802.30	56.16	104.316		
1,600.00	1,576.20	1,540.20	1,540.20	8.02	52.13	133.18	-3,836.50	-4,242.48	5,874.79	5,814.79	60.00	97.918		
1,700.00	1,673.39	1,637.39	1,637.39	8.50	55.51	133.35	-3,836.50	-4,242.48	5,891.17	5,827.33	63.84	92.278		
1,800.00	1,770.58	1,734.58	1,734.58	8.99	58.90	133.51	-3,836.50	-4,242.48	5,907.60	5,839.90	67.69	87.272		
1,900.00	1,867.77	1,831.77	1,831.77	9.48	62.29	133.67	-3,836.50	-4,242.48	5,924.07	5,852.52	71.55	82.800		
2,000.00	1,964.96	1,928.96	1,928.96	9.98	65.68	133.84	-3,836.50	-4,242.48	5,940.59	5,865.19	75.41	78.780		
2,100.00	2,062.15	2,026.15	2,026.15	10.49	69.07	134.00	-3,836.50	-4,242.48	5,957.17	5,877.89	79.27	75.149		
2,200.00	2,159.34	2,123.34	2,123.34	10.99	72.45	134.16	-3,836.50	-4,242.48	5,973.78	5,890.64	83.14	71.853		
2,300.00	2,256.53	2,220.53	2,220.53	11.50	75.84	134.32	-3,836.50	-4,242.48	5,990.45	5,903.44	87.01	68.849		
2,400.00	2,353.71	2,317.71	2,317.71	12.01	79.23	134.47	-3,836.50	-4,242.48	6,007.16	5,916.27	90.88	66.099		
2,500.00	2,450.90	2,414.90	2,414.90	12.53	82.62	134.63	-3,836.50	-4,242.48	6,023.91	5,929.16	94.76	63.573		
2,600.00	2,548.09	2,512.09	2,512.09	13.04	86.01	134.79	-3,836.50	-4,242.48	6,040.71	5,942.08	98.63	61.245		
2,700.00	2,645.28	2,609.28	2,609.28	13.56	89.40	134.94	-3,836.50	-4,242.48	6,057.56	5,955.05	102.51	59.093		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
2,800.00	2,742.47	2,706.47	2,706.47	14.08	92.80	135.10	-3,836.50	-4,242.48	6,074.45	5,968.06	106.39	57.097		
2,900.00	2,839.66	2,803.66	2,803.66	14.60	96.19	135.25	-3,836.50	-4,242.48	6,091.38	5,981.11	110.27	55.241		
3,000.00	2,936.85	2,900.85	2,900.85	15.12	99.58	135.41	-3,836.50	-4,242.48	6,108.36	5,994.21	114.15	53.512		
3,100.00	3,034.04	3,001.96	2,998.04	15.65	103.11	135.56	-3,836.50	-4,242.48	6,125.38	6,007.21	118.17	51.836		
3,200.00	3,131.22	3,104.78	3,095.22	16.17	106.69	135.71	-3,836.50	-4,242.48	6,142.45	6,020.20	122.25	50.245		
3,300.00	3,228.41	3,207.59	3,192.41	16.69	110.28	135.86	-3,836.50	-4,242.48	6,159.55	6,033.22	126.33	48.758		
3,400.00	3,325.60	3,289.60	3,289.60	17.22	113.14	136.01	-3,836.50	-4,242.48	6,176.70	6,047.02	129.68	47.629		
3,500.00	3,422.79	3,386.79	3,386.79	17.75	116.53	136.16	-3,836.50	-4,242.48	6,193.89	6,060.33	133.57	46.372		
3,600.00	3,519.98	3,483.98	3,483.98	18.27	119.93	136.31	-3,836.50	-4,242.48	6,211.13	6,073.67	137.45	45.187		
3,700.00	3,617.17	3,581.17	3,581.17	18.80	123.32	136.46	-3,836.50	-4,242.48	6,228.40	6,087.06	141.34	44.067		
3,800.00	3,714.36	3,678.36	3,678.36	19.33	126.71	136.60	-3,836.50	-4,242.48	6,245.72	6,100.49	145.23	43.007		
3,900.00	3,811.55	3,775.55	3,775.55	19.86	130.10	136.75	-3,836.50	-4,242.48	6,263.07	6,113.96	149.11	42.003		
4,000.00	3,908.74	3,872.74	3,872.74	20.39	133.49	136.90	-3,836.50	-4,242.48	6,280.47	6,127.47	153.00	41.049		
4,100.00	4,005.92	3,969.92	3,969.92	20.92	136.88	137.04	-3,836.50	-4,242.48	6,297.91	6,141.02	156.88	40.144		
4,200.00	4,103.11	4,067.11	4,067.11	21.45	140.28	137.18	-3,836.50	-4,242.48	6,315.38	6,154.61	160.77	39.282		
4,300.00	4,200.30	4,164.30	4,164.30	21.98	143.67	137.33	-3,836.50	-4,242.48	6,332.90	6,168.24	164.66	38.461		
4,400.00	4,297.49	4,261.49	4,261.49	22.51	147.06	137.47	-3,836.50	-4,242.48	6,350.45	6,181.91	168.55	37.678		
4,500.00	4,394.68	4,358.68	4,358.68	23.04	150.45	137.61	-3,836.50	-4,242.48	6,368.05	6,195.61	172.43	36.931		
4,600.00	4,491.87	4,455.87	4,455.87	23.57	153.84	137.75	-3,836.50	-4,242.48	6,385.68	6,209.36	176.32	36.216		
4,700.00	4,589.06	4,553.06	4,553.06	24.10	157.24	137.89	-3,836.50	-4,242.48	6,403.35	6,223.14	180.21	35.533		
4,800.00	4,686.25	4,650.25	4,650.25	24.64	160.63	138.03	-3,836.50	-4,242.48	6,421.05	6,236.96	184.09	34.879		
4,900.00	4,783.43	4,747.43	4,747.43	25.17	164.02	138.17	-3,836.50	-4,242.48	6,438.80	6,250.82	187.98	34.252		
5,000.00	4,880.62	4,844.62	4,844.62	25.70	167.41	138.31	-3,836.50	-4,242.48	6,456.58	6,264.71	191.87	33.651		
5,100.00	4,977.81	4,941.81	4,941.81	26.23	170.80	138.44	-3,836.50	-4,242.48	6,474.40	6,278.64	195.76	33.074		
5,200.00	5,075.00	5,039.00	5,039.00	26.77	174.20	138.58	-3,836.50	-4,242.48	6,492.25	6,292.61	199.64	32.519		
5,300.00	5,172.19	5,136.19	5,136.19	27.30	177.59	138.71	-3,836.50	-4,242.48	6,510.15	6,306.61	203.53	31.986		
5,400.00	5,269.38	5,233.38	5,233.38	27.83	180.98	138.85	-3,836.50	-4,242.48	6,528.07	6,320.65	207.42	31.473		
5,457.75	5,325.51	5,289.51	5,289.51	28.14	182.94	138.93	-3,836.50	-4,242.48	6,538.44	6,328.78	209.66	31.185		
5,500.00	5,366.64	5,330.64	5,330.64	28.37	184.38	139.08	-3,836.50	-4,242.48	6,545.80	6,334.50	211.31	30.978		
5,600.00	5,464.53	5,428.53	5,428.53	28.87	187.79	139.40	-3,836.50	-4,242.48	6,561.40	6,346.20	215.20	30.490		
5,700.00	5,563.07	5,527.07	5,527.07	29.35	191.23	139.67	-3,836.50	-4,242.48	6,574.39	6,355.29	219.10	30.006		
5,800.00	5,662.15	5,626.15	5,626.15	29.80	194.69	139.88	-3,836.50	-4,242.48	6,584.76	6,361.75	223.00	29.527		
5,900.00	5,761.64	5,725.64	5,725.64	30.23	198.16	140.03	-3,836.50	-4,242.48	6,592.47	6,365.57	226.91	29.054		
6,000.00	5,861.42	5,825.42	5,825.42	30.64	201.65	140.13	-3,836.50	-4,242.48	6,597.52	6,366.72	230.80	28.585		
6,100.00	5,961.36	5,925.36	5,925.36	31.02	205.14	140.18	-3,836.50	-4,242.48	6,599.90	6,365.21	234.69	28.122		
6,138.64	6,000.00	5,964.00	5,964.00	31.16	206.48	-124.31	-3,836.50	-4,242.48	6,600.10	6,363.92	236.18	27.945		
6,200.00	6,061.36	6,025.36	6,025.36	31.38	208.63	-124.31	-3,836.50	-4,242.48	6,600.10	6,361.55	238.54	27.668		
6,300.00	6,161.36	6,125.36	6,125.36	31.74	212.12	-124.31	-3,836.50	-4,242.48	6,600.10	6,357.70	242.40	27.228		
6,400.00	6,261.36	6,225.36	6,225.36	32.10	215.61	-124.31	-3,836.50	-4,242.48	6,600.10	6,353.84	246.26	26.802		
6,500.00	6,361.36	6,325.36	6,325.36	32.46	219.10	-124.31	-3,836.50	-4,242.48	6,600.10	6,349.98	250.12	26.388		
6,562.02	6,423.38	6,387.38	6,387.38	32.68	221.26	-124.31	-3,836.50	-4,242.48	6,600.10	6,347.59	252.51	26.138		
6,600.00	6,461.34	6,425.34	6,425.34	32.82	222.59	-34.06	-3,836.50	-4,242.48	6,599.16	6,345.19	253.97	25.984		
6,650.00	6,511.08	6,475.08	6,475.08	32.99	224.32	-34.29	-3,836.50	-4,242.48	6,595.07	6,339.20	255.87	25.775		
6,700.00	6,560.29	6,524.29	6,524.29	33.17	226.04	-34.71	-3,836.50	-4,242.48	6,587.76	6,330.01	257.75	25.559		
6,750.00	6,608.64	6,572.64	6,572.64	33.36	227.73	-35.33	-3,836.50	-4,242.48	6,577.28	6,317.68	259.59	25.337		
6,800.00	6,655.86	6,619.86	6,619.86	33.56	229.38	-36.15	-3,836.50	-4,242.48	6,563.70	6,302.31	261.39	25.111		
6,850.00	6,701.64	6,665.64	6,665.64	33.78	230.98	-37.20	-3,836.50	-4,242.48	6,547.11	6,283.98	263.14	24.881		
6,900.00	6,745.71	6,709.71	6,709.71	34.01	232.51	-38.49	-3,836.50	-4,242.48	6,527.64	6,262.81	264.82	24.649		
6,950.00	6,787.79	6,751.79	6,751.79	34.27	233.98	-40.04	-3,836.50	-4,242.48	6,505.40	6,238.96	266.44	24.416		
7,000.00	6,827.62	6,808.38	6,791.62	34.56	235.96	-41.89	-3,836.50	-4,242.48	6,480.56	6,211.99	268.57	24.130		
7,050.00	6,864.96	6,828.96	6,828.96	34.87	236.68	-44.07	-3,836.50	-4,242.48	6,453.27	6,183.82	269.45	23.950		
7,100.00	6,899.58	6,863.58	6,863.58	35.21	237.89	-46.61	-3,836.50	-4,242.48	6,423.72	6,152.90	270.82	23.719		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
7,150.00	6,931.26	6,904.74	6,895.26	35.60	239.32	-49.55	-3,836.50	-4,242.48	6,392.12	6,119.68	272.43	23.463		
7,200.00	6,959.81	6,923.81	6,923.81	36.02	239.99	-52.93	-3,836.50	-4,242.48	6,358.66	6,085.37	273.29	23.267		
7,250.00	6,985.06	6,949.06	6,949.06	36.47	240.87	-56.78	-3,836.50	-4,242.48	6,323.58	6,049.21	274.38	23.047		
7,300.00	7,006.84	6,970.84	6,970.84	36.97	241.63	-61.12	-3,836.50	-4,242.48	6,287.11	6,011.74	275.36	22.832		
7,350.00	7,025.02	6,989.02	6,989.02	37.51	242.26	-65.93	-3,836.50	-4,242.48	6,249.47	5,973.23	276.24	22.623		
7,400.00	7,039.49	7,003.49	7,003.49	38.09	242.77	-71.19	-3,836.50	-4,242.48	6,210.93	5,933.92	277.01	22.421		
7,450.00	7,050.17	7,014.17	7,014.17	38.70	243.14	-76.80	-3,836.50	-4,242.48	6,171.72	5,894.06	277.67	22.227		
7,500.00	7,056.98	7,020.98	7,020.98	39.33	243.38	-82.65	-3,836.50	-4,242.48	6,132.11	5,853.90	278.21	22.041		
7,550.00	7,059.89	7,023.89	7,023.89	39.99	243.48	-88.58	-3,836.50	-4,242.48	6,092.33	5,813.70	278.64	21.865		
7,560.55	7,060.00	7,024.00	7,024.00	40.13	243.48	-89.83	-3,836.50	-4,242.48	6,083.94	5,805.23	278.71	21.829		
7,600.00	7,060.09	7,024.09	7,024.09	40.67	243.49	-89.83	-3,836.50	-4,242.48	6,052.63	5,773.64	278.99	21.695		
7,700.00	7,060.32	7,024.32	7,024.32	42.14	243.50	-89.83	-3,836.50	-4,242.48	5,973.69	5,693.92	279.77	21.352		
7,800.00	7,060.55	7,024.55	7,024.55	43.75	243.50	-89.84	-3,836.50	-4,242.48	5,895.39	5,614.74	280.66	21.006		
7,900.00	7,060.78	7,024.78	7,024.78	45.48	243.51	-89.84	-3,836.50	-4,242.48	5,817.76	5,536.11	281.65	20.656		
8,000.00	7,061.01	7,025.01	7,025.01	47.33	243.52	-89.84	-3,836.50	-4,242.48	5,740.81	5,458.06	282.75	20.303		
8,100.00	7,061.24	7,025.24	7,025.24	49.27	243.53	-89.85	-3,836.50	-4,242.48	5,664.59	5,380.62	283.97	19.948		
8,200.00	7,061.47	7,025.47	7,025.47	51.29	243.54	-89.85	-3,836.50	-4,242.48	5,589.12	5,303.83	285.29	19.591		
8,300.00	7,061.70	7,025.70	7,025.70	53.40	243.54	-89.85	-3,836.50	-4,242.48	5,514.42	5,227.71	286.72	19.233		
8,400.00	7,061.93	7,025.93	7,025.93	55.57	243.55	-89.86	-3,836.50	-4,242.48	5,440.54	5,152.29	288.25	18.874		
8,500.00	7,062.16	7,026.16	7,026.16	57.80	243.56	-89.86	-3,836.50	-4,242.48	5,367.51	5,077.62	289.89	18.516		
8,600.00	7,062.39	7,026.39	7,026.39	60.08	243.57	-89.86	-3,836.50	-4,242.48	5,295.35	5,003.72	291.63	18.158		
8,700.00	7,062.63	7,026.63	7,026.63	62.42	243.58	-89.87	-3,836.50	-4,242.48	5,224.12	4,930.64	293.48	17.801		
8,800.00	7,062.86	7,026.86	7,026.86	64.79	243.58	-89.87	-3,836.50	-4,242.48	5,153.84	4,858.42	295.42	17.446		
8,900.00	7,063.09	7,027.09	7,027.09	67.20	243.59	-89.87	-3,836.50	-4,242.48	5,084.56	4,787.09	297.47	17.093		
9,000.00	7,063.32	7,027.32	7,027.32	69.65	243.60	-89.88	-3,836.50	-4,242.48	5,016.31	4,716.70	299.61	16.743		
9,100.00	7,063.55	7,027.55	7,027.55	72.12	243.61	-89.88	-3,836.50	-4,242.48	4,949.14	4,647.29	301.85	16.396		
9,200.00	7,063.78	7,027.78	7,027.78	74.63	243.62	-89.89	-3,836.50	-4,242.48	4,883.10	4,578.92	304.18	16.054		
9,300.00	7,064.01	7,028.01	7,028.01	77.16	243.62	-89.89	-3,836.50	-4,242.48	4,818.22	4,511.62	306.60	15.715		
9,400.00	7,064.24	7,028.24	7,028.24	79.71	243.63	-89.89	-3,836.50	-4,242.48	4,754.57	4,445.46	309.11	15.381		
9,500.00	7,064.47	7,028.47	7,028.47	82.28	243.64	-89.90	-3,836.50	-4,242.48	4,692.18	4,380.47	311.71	15.053		
9,600.00	7,064.70	7,028.70	7,028.70	84.87	243.65	-89.90	-3,836.50	-4,242.48	4,631.11	4,316.72	314.39	14.730		
9,700.00	7,064.93	7,028.93	7,028.93	87.47	243.66	-89.90	-3,836.50	-4,242.48	4,571.42	4,254.25	317.16	14.413		
9,800.00	7,065.16	7,029.16	7,029.16	90.09	243.67	-89.91	-3,836.50	-4,242.48	4,513.14	4,193.13	320.01	14.103		
9,900.00	7,065.39	7,029.39	7,029.39	92.73	243.67	-89.91	-3,836.50	-4,242.48	4,456.36	4,133.42	322.94	13.799		
10,000.00	7,065.62	7,029.62	7,029.62	95.38	243.68	-89.91	-3,836.50	-4,242.48	4,401.11	4,075.17	325.94	13.503		
10,100.00	7,065.85	7,029.85	7,029.85	98.04	243.69	-89.92	-3,836.50	-4,242.48	4,347.46	4,018.45	329.01	13.214		
10,200.00	7,066.08	7,030.08	7,030.08	100.71	243.70	-89.92	-3,836.50	-4,242.48	4,295.47	3,963.32	332.14	12.933		
10,300.00	7,066.31	7,030.31	7,030.31	103.39	243.71	-89.92	-3,836.50	-4,242.48	4,245.20	3,909.85	335.35	12.659		
10,400.00	7,066.54	7,030.54	7,030.54	106.08	243.71	-89.93	-3,836.50	-4,242.48	4,196.70	3,858.10	338.60	12.394		
10,500.00	7,066.77	7,030.77	7,030.77	108.78	243.72	-89.93	-3,836.50	-4,242.48	4,150.06	3,808.14	341.92	12.138		
10,600.00	7,067.01	7,031.01	7,031.01	111.48	243.73	-89.94	-3,836.50	-4,242.48	4,105.31	3,760.04	345.27	11.890		
10,700.00	7,067.24	7,031.24	7,031.24	114.20	243.74	-89.94	-3,836.50	-4,242.48	4,062.54	3,713.87	348.67	11.651		
10,800.00	7,067.47	7,031.47	7,031.47	116.92	243.75	-89.94	-3,836.50	-4,242.48	4,021.80	3,669.69	352.11	11.422		
10,900.00	7,067.70	7,031.70	7,031.70	119.65	243.75	-89.95	-3,836.50	-4,242.48	3,983.15	3,627.58	355.57	11.202		
11,000.00	7,067.93	7,031.93	7,031.93	122.38	243.76	-89.95	-3,836.50	-4,242.48	3,946.66	3,587.61	359.05	10.992		
11,100.00	7,068.16	7,032.16	7,032.16	125.12	243.77	-89.95	-3,836.50	-4,242.48	3,912.39	3,549.84	362.55	10.791		
11,200.00	7,068.39	7,032.39	7,032.39	127.86	243.78	-89.96	-3,836.50	-4,242.48	3,880.39	3,514.34	366.05	10.601		
11,300.00	7,068.62	7,032.62	7,032.62	130.61	243.79	-89.96	-3,836.50	-4,242.48	3,850.72	3,481.18	369.54	10.420		
11,400.00	7,068.85	7,032.85	7,032.85	133.37	243.79	-89.96	-3,836.50	-4,242.48	3,823.44	3,450.42	373.02	10.250		
11,500.00	7,069.08	7,033.08	7,033.08	136.12	243.80	-89.97	-3,836.50	-4,242.48	3,798.60	3,422.12	376.48	10.090		
11,600.00	7,069.31	7,033.31	7,033.31	138.89	243.81	-89.97	-3,836.50	-4,242.48	3,776.24	3,396.34	379.90	9.940		
11,700.00	7,069.54	7,033.54	7,033.54	141.65	243.82	-89.98	-3,836.50	-4,242.48	3,756.41	3,373.13	383.28	9.801		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
11,800.00	7,069.77	7,033.77	7,033.77	144.42	243.83	-89.98	-3,836.50	-4,242.48	3,739.15	3,352.54	386.61	9.672		
11,900.00	7,070.00	7,034.00	7,034.00	147.19	243.83	-89.98	-3,836.50	-4,242.48	3,724.50	3,334.62	389.88	9.553		
12,000.00	7,070.23	7,034.23	7,034.23	149.97	243.84	-89.99	-3,836.50	-4,242.48	3,712.49	3,319.41	393.07	9.445		
12,100.00	7,070.46	7,034.46	7,034.46	152.75	243.85	-89.99	-3,836.50	-4,242.48	3,703.13	3,306.94	396.19	9.347		
12,200.00	7,070.69	7,034.69	7,034.69	155.53	243.86	-89.99	-3,836.50	-4,242.48	3,696.46	3,297.24	399.22	9.259		
12,300.00	7,070.92	7,034.92	7,034.92	158.32	243.87	-90.00	-3,836.50	-4,242.48	3,692.49	3,290.34	402.15	9.182		
12,396.81	7,071.15	7,035.15	7,035.15	161.02	243.87	-90.00	-3,836.50	-4,242.48	3,691.22	3,286.33	404.89	9.117 CC		
12,400.00	7,071.16	7,035.16	7,035.16	161.10	243.87	-90.00	-3,836.50	-4,242.48	3,691.22	3,286.24	404.98	9.115		
12,500.00	7,071.39	7,035.39	7,035.39	163.89	243.88	-90.00	-3,836.50	-4,242.48	3,692.66	3,284.97	407.69	9.057 ES		
12,600.00	7,071.62	7,035.62	7,035.62	166.69	243.89	-90.01	-3,836.50	-4,242.48	3,696.81	3,286.52	410.29	9.010		
12,700.00	7,071.85	7,035.85	7,035.85	169.48	243.90	-90.01	-3,836.50	-4,242.48	3,703.65	3,290.88	412.77	8.973		
12,800.00	7,072.08	7,036.08	7,036.08	172.28	243.91	-90.01	-3,836.50	-4,242.48	3,713.17	3,298.06	415.12	8.945		
12,900.00	7,072.31	7,036.31	7,036.31	175.08	243.91	-90.02	-3,836.50	-4,242.48	3,725.36	3,308.02	417.34	8.926		
13,000.00	7,072.54	7,036.54	7,036.54	177.88	243.92	-90.02	-3,836.50	-4,242.48	3,740.18	3,320.75	419.43	8.917		
13,100.00	7,072.77	7,036.77	7,036.77	180.68	243.93	-90.03	-3,836.50	-4,242.48	3,757.60	3,336.22	421.38	8.917 SF		
13,200.00	7,073.00	7,037.00	7,037.00	183.48	243.94	-90.03	-3,836.50	-4,242.48	3,777.59	3,354.39	423.20	8.926		
13,300.00	7,073.23	7,037.23	7,037.23	186.29	243.95	-90.03	-3,836.50	-4,242.48	3,800.11	3,375.23	424.88	8.944		
13,400.00	7,073.46	7,037.46	7,037.46	189.09	243.95	-90.04	-3,836.50	-4,242.48	3,825.11	3,398.68	426.44	8.970		
13,500.00	7,073.69	7,037.69	7,037.69	191.90	243.96	-90.04	-3,836.50	-4,242.48	3,852.55	3,424.69	427.86	9.004		
13,600.00	7,073.92	7,037.92	7,037.92	194.71	243.97	-90.04	-3,836.50	-4,242.48	3,882.37	3,453.22	429.15	9.047		
13,700.00	7,074.15	7,038.15	7,038.15	197.52	243.98	-90.05	-3,836.50	-4,242.48	3,914.51	3,484.20	430.31	9.097		
13,800.00	7,074.38	7,038.38	7,038.38	200.34	243.99	-90.05	-3,836.50	-4,242.48	3,948.93	3,517.57	431.36	9.155		
13,900.00	7,074.61	7,038.61	7,038.61	203.15	244.00	-90.05	-3,836.50	-4,242.48	3,985.56	3,553.28	432.28	9.220		
14,000.00	7,074.84	7,038.84	7,038.84	205.97	244.00	-90.06	-3,836.50	-4,242.48	4,024.34	3,591.25	433.09	9.292		
14,100.00	7,075.07	7,039.07	7,039.07	208.78	244.01	-90.06	-3,836.50	-4,242.48	4,065.21	3,631.42	433.79	9.371		
14,200.00	7,075.30	7,039.30	7,039.30	211.60	244.02	-90.06	-3,836.50	-4,242.48	4,108.11	3,673.72	434.39	9.457		
14,300.00	7,075.54	7,039.54	7,039.54	214.42	244.03	-90.07	-3,836.50	-4,242.48	4,152.98	3,718.09	434.89	9.550		
14,400.00	7,075.77	7,039.77	7,039.77	217.24	244.04	-90.07	-3,836.50	-4,242.48	4,199.74	3,764.45	435.29	9.648		
14,500.00	7,076.00	7,040.00	7,040.00	220.06	244.04	-90.08	-3,836.50	-4,242.48	4,248.35	3,812.74	435.61	9.753		
14,600.00	7,076.23	7,040.23	7,040.23	222.88	244.05	-90.08	-3,836.50	-4,242.48	4,298.74	3,862.89	435.84	9.863		
14,700.00	7,076.46	7,040.46	7,040.46	225.70	244.06	-90.08	-3,836.50	-4,242.48	4,350.83	3,914.84	436.00	9.979		
14,800.00	7,076.69	7,040.69	7,040.69	228.53	244.07	-90.09	-3,836.50	-4,242.48	4,404.59	3,968.51	436.08	10.100		
14,900.00	7,076.92	7,040.92	7,040.92	231.35	244.08	-90.09	-3,836.50	-4,242.48	4,459.94	4,023.84	436.09	10.227		
15,000.00	7,077.15	7,041.15	7,041.15	234.18	244.08	-90.09	-3,836.50	-4,242.48	4,516.82	4,080.77	436.05	10.359		
15,100.00	7,077.38	7,041.38	7,041.38	237.00	244.09	-90.10	-3,836.50	-4,242.48	4,575.18	4,139.24	435.94	10.495		
15,200.00	7,077.61	7,041.61	7,041.61	239.83	244.10	-90.10	-3,836.50	-4,242.48	4,634.97	4,199.19	435.78	10.636		
15,300.00	7,077.84	7,041.84	7,041.84	242.66	244.11	-90.10	-3,836.50	-4,242.48	4,696.12	4,260.55	435.57	10.781		
15,400.00	7,078.07	7,042.07	7,042.07	245.49	244.12	-90.11	-3,836.50	-4,242.48	4,758.59	4,323.27	435.32	10.931		
15,500.00	7,078.30	7,042.30	7,042.30	248.31	244.12	-90.11	-3,836.50	-4,242.48	4,822.33	4,387.30	435.03	11.085		
15,600.00	7,078.53	7,042.53	7,042.53	251.14	244.13	-90.11	-3,836.50	-4,242.48	4,887.28	4,452.58	434.69	11.243		
15,700.00	7,078.76	7,042.76	7,042.76	253.97	244.14	-90.12	-3,836.50	-4,242.48	4,953.39	4,519.06	434.33	11.405		
15,800.00	7,078.99	7,042.99	7,042.99	256.80	244.15	-90.12	-3,836.50	-4,242.48	5,020.63	4,586.70	433.93	11.570		
15,900.00	7,079.22	7,043.22	7,043.22	259.64	244.16	-90.13	-3,836.50	-4,242.48	5,088.95	4,655.44	433.51	11.739		
16,000.00	7,079.45	7,043.45	7,043.45	262.47	244.16	-90.13	-3,836.50	-4,242.48	5,158.30	4,725.23	433.06	11.911		
16,100.00	7,079.69	7,043.69	7,043.69	265.30	244.17	-90.13	-3,836.50	-4,242.48	5,228.64	4,796.04	432.60	12.087		
16,200.00	7,079.92	7,043.92	7,043.92	268.13	244.18	-90.14	-3,836.50	-4,242.48	5,299.93	4,867.82	432.11	12.265		
16,300.00	7,080.15	7,044.15	7,044.15	270.97	244.19	-90.14	-3,836.50	-4,242.48	5,372.14	4,940.54	431.60	12.447		
16,400.00	7,080.38	7,044.38	7,044.38	273.80	244.20	-90.14	-3,836.50	-4,242.48	5,445.23	5,014.15	431.09	12.631		
16,500.00	7,080.61	7,044.61	7,044.61	276.64	244.20	-90.15	-3,836.50	-4,242.48	5,519.17	5,088.61	430.55	12.819		
16,600.00	7,080.84	7,044.84	7,044.84	279.47	244.21	-90.15	-3,836.50	-4,242.48	5,593.91	5,163.90	430.01	13.009		
16,700.00	7,081.07	7,045.07	7,045.07	282.31	244.22	-90.15	-3,836.50	-4,242.48	5,669.43	5,239.97	429.46	13.201		
16,800.00	7,081.30	7,045.30	7,045.30	285.14	244.23	-90.16	-3,836.50	-4,242.48	5,745.70	5,316.80	428.90	13.396		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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)					
16,900.00	7,081.53	7,045.53	7,045.53	287.98	244.24	-90.16	-3,836.50	-4,242.48	5,822.69	5,394.35	428.34	13.594				
17,000.00	7,081.76	7,045.76	7,045.76	290.82	244.24	-90.16	-3,836.50	-4,242.48	5,900.37	5,472.60	427.77	13.793				
17,100.00	7,081.99	7,045.99	7,045.99	293.65	244.25	-90.17	-3,836.50	-4,242.48	5,978.71	5,551.52	427.19	13.995				
17,200.00	7,082.22	7,046.22	7,046.22	296.49	244.26	-90.17	-3,836.50	-4,242.48	6,057.69	5,631.07	426.62	14.199				
17,300.00	7,082.45	7,046.45	7,046.45	299.33	244.27	-90.18	-3,836.50	-4,242.48	6,137.28	5,711.25	426.04	14.405				
17,400.00	7,082.68	7,046.68	7,046.68	302.17	244.28	-90.18	-3,836.50	-4,242.48	6,217.47	5,792.01	425.46	14.613				
17,500.00	7,082.91	7,046.91	7,046.91	305.01	244.28	-90.18	-3,836.50	-4,242.48	6,298.22	5,873.33	424.88	14.823				
17,600.00	7,083.14	7,047.14	7,047.14	307.85	244.29	-90.19	-3,836.50	-4,242.48	6,379.51	5,955.20	424.31	15.035				
17,700.00	7,083.37	7,047.37	7,047.37	310.69	244.30	-90.19	-3,836.50	-4,242.48	6,461.33	6,037.60	423.73	15.249				
17,800.00	7,083.60	7,047.60	7,047.60	313.53	244.31	-90.19	-3,836.50	-4,242.48	6,543.65	6,120.50	423.16	15.464				
17,900.00	7,083.84	7,047.84	7,047.84	316.37	244.32	-90.20	-3,836.50	-4,242.48	6,626.47	6,203.88	422.59	15.681				
18,000.00	7,084.07	7,048.07	7,048.07	319.21	244.32	-90.20	-3,836.50	-4,242.48	6,709.75	6,287.72	422.02	15.899				
18,100.00	7,084.30	7,048.30	7,048.30	322.05	244.33	-90.20	-3,836.50	-4,242.48	6,793.48	6,372.02	421.46	16.119				
18,200.00	7,084.53	7,048.53	7,048.53	324.89	244.34	-90.21	-3,836.50	-4,242.48	6,877.64	6,456.74	420.90	16.340				
18,300.00	7,084.76	7,048.76	7,048.76	327.73	244.35	-90.21	-3,836.50	-4,242.48	6,962.23	6,541.88	420.35	16.563				
18,400.00	7,084.99	7,048.99	7,048.99	330.57	244.36	-90.21	-3,836.50	-4,242.48	7,047.21	6,627.41	419.80	16.787				
18,500.00	7,085.22	7,049.22	7,049.22	333.41	244.37	-90.22	-3,836.50	-4,242.48	7,132.59	6,713.33	419.26	17.012				
18,600.00	7,085.45	7,049.45	7,049.45	336.26	244.37	-90.22	-3,836.50	-4,242.48	7,218.34	6,799.62	418.72	17.239				
18,700.00	7,085.68	7,049.68	7,049.68	339.10	244.38	-90.23	-3,836.50	-4,242.48	7,304.46	6,886.27	418.19	17.467				
18,800.00	7,085.91	7,049.91	7,049.91	341.94	244.39	-90.23	-3,836.50	-4,242.48	7,390.92	6,973.26	417.66	17.696				
18,839.14	7,086.00	7,050.00	7,050.00	343.06	244.39	-90.23	-3,836.50	-4,242.48	7,424.86	7,007.41	417.45	17.786				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-101.48	-1,157.47	-5,699.88	5,816.21					
100.00	100.00	102.00	102.00	3.28	3.75	-101.48	-1,157.47	-5,699.88	5,816.21	5,809.18	7.03	826.926		
200.00	200.00	202.00	202.00	3.34	6.24	-101.48	-1,157.47	-5,699.88	5,816.21	5,806.64	9.58	607.421		
300.00	300.00	302.00	302.00	3.44	9.39	-101.48	-1,157.47	-5,699.88	5,816.21	5,803.38	12.83	453.195		
400.00	399.98	401.98	401.98	3.60	12.72	163.01	-1,157.47	-5,699.88	5,817.88	5,801.56	16.32	356.545		
500.00	499.84	501.84	501.84	3.80	16.11	162.99	-1,157.47	-5,699.88	5,822.89	5,802.98	19.91	292.478		
600.00	599.45	601.45	601.45	4.04	19.53	162.97	-1,157.47	-5,699.88	5,831.22	5,807.66	23.57	247.445		
700.00	698.70	700.70	700.70	4.31	22.95	162.94	-1,157.47	-5,699.88	5,842.88	5,815.62	27.26	214.312		
800.00	797.47	800.53	799.47	4.62	26.41	162.89	-1,157.47	-5,699.88	5,857.85	5,826.83	31.02	188.825		
900.00	895.62	902.38	897.62	4.97	29.94	162.84	-1,157.47	-5,699.88	5,876.11	5,841.23	34.89	168.442		
980.89	974.49	976.49	976.49	5.27	32.51	162.78	-1,157.47	-5,699.88	5,893.28	5,855.53	37.74	156.137		
1,000.00	993.07	1,004.93	995.07	5.34	33.50	162.80	-1,157.47	-5,699.88	5,897.59	5,858.78	38.80	151.984		
1,100.00	1,090.26	1,107.74	1,092.26	5.75	37.07	162.86	-1,157.47	-5,699.88	5,920.14	5,877.40	42.74	138.513		
1,200.00	1,187.45	1,189.45	1,189.45	6.17	39.91	162.93	-1,157.47	-5,699.88	5,942.70	5,896.73	45.96	129.295		
1,300.00	1,284.64	1,286.64	1,286.64	6.62	43.30	163.00	-1,157.47	-5,699.88	5,965.26	5,915.52	49.74	119.935		
1,400.00	1,381.83	1,383.83	1,383.83	7.07	46.68	163.06	-1,157.47	-5,699.88	5,987.83	5,934.31	53.53	111.869		
1,500.00	1,479.01	1,481.01	1,481.01	7.54	50.06	163.13	-1,157.47	-5,699.88	6,010.41	5,953.09	57.32	104.850		
1,600.00	1,576.20	1,578.20	1,578.20	8.02	53.45	163.19	-1,157.47	-5,699.88	6,033.00	5,971.87	61.13	98.690		
1,700.00	1,673.39	1,675.39	1,675.39	8.50	56.84	163.26	-1,157.47	-5,699.88	6,055.59	5,990.65	64.95	93.241		
1,800.00	1,770.58	1,772.58	1,772.58	8.99	60.22	163.32	-1,157.47	-5,699.88	6,078.20	6,009.43	68.77	88.390		
1,900.00	1,867.77	1,869.77	1,869.77	9.48	63.61	163.38	-1,157.47	-5,699.88	6,100.80	6,028.21	72.59	84.043		
2,000.00	1,964.96	1,966.96	1,966.96	9.98	67.00	163.45	-1,157.47	-5,699.88	6,123.42	6,047.00	76.42	80.126		
2,100.00	2,062.15	2,064.15	2,064.15	10.49	70.39	163.51	-1,157.47	-5,699.88	6,146.04	6,065.79	80.26	76.580		
2,200.00	2,159.34	2,161.34	2,161.34	10.99	73.78	163.57	-1,157.47	-5,699.88	6,168.67	6,084.58	84.09	73.354		
2,300.00	2,256.53	2,258.53	2,258.53	11.50	77.17	163.63	-1,157.47	-5,699.88	6,191.31	6,103.38	87.93	70.408		
2,400.00	2,353.71	2,355.71	2,355.71	12.01	80.56	163.69	-1,157.47	-5,699.88	6,213.95	6,122.18	91.78	67.707		
2,500.00	2,450.90	2,452.90	2,452.90	12.53	83.95	163.75	-1,157.47	-5,699.88	6,236.60	6,140.98	95.62	65.221		
2,600.00	2,548.09	2,550.09	2,550.09	13.04	87.34	163.81	-1,157.47	-5,699.88	6,259.26	6,159.79	99.47	62.926		
2,700.00	2,645.28	2,647.28	2,647.28	13.56	90.73	163.87	-1,157.47	-5,699.88	6,281.92	6,178.60	103.32	60.801		
2,800.00	2,742.47	2,744.47	2,744.47	14.08	94.12	163.93	-1,157.47	-5,699.88	6,304.59	6,197.42	107.17	58.828		
2,900.00	2,839.66	2,841.66	2,841.66	14.60	97.51	163.99	-1,157.47	-5,699.88	6,327.27	6,216.25	111.02	56.991		
3,000.00	2,936.85	2,938.85	2,938.85	15.12	100.90	164.05	-1,157.47	-5,699.88	6,349.95	6,235.08	114.88	55.277		
3,100.00	3,034.04	3,036.04	3,036.04	15.65	104.29	164.11	-1,157.47	-5,699.88	6,372.64	6,253.91	118.73	53.673		
3,200.00	3,131.22	3,133.22	3,133.22	16.17	107.69	164.17	-1,157.47	-5,699.88	6,395.33	6,272.75	122.59	52.170		
3,300.00	3,228.41	3,230.41	3,230.41	16.69	111.08	164.22	-1,157.47	-5,699.88	6,418.04	6,291.59	126.44	50.759		
3,400.00	3,325.60	3,327.60	3,327.60	17.22	114.47	164.28	-1,157.47	-5,699.88	6,440.74	6,310.44	130.30	49.430		
3,500.00	3,422.79	3,424.79	3,424.79	17.75	117.86	164.34	-1,157.47	-5,699.88	6,463.46	6,329.30	134.16	48.178		
3,600.00	3,519.98	3,521.98	3,521.98	18.27	121.25	164.39	-1,157.47	-5,699.88	6,486.17	6,348.16	138.02	46.996		
3,700.00	3,617.17	3,619.17	3,619.17	18.80	124.64	164.45	-1,157.47	-5,699.88	6,508.90	6,367.02	141.87	45.878		
3,800.00	3,714.36	3,716.36	3,716.36	19.33	128.03	164.50	-1,157.47	-5,699.88	6,531.63	6,385.90	145.73	44.819		
3,900.00	3,811.55	3,813.55	3,813.55	19.86	131.43	164.56	-1,157.47	-5,699.88	6,554.37	6,404.77	149.60	43.814		
4,000.00	3,908.74	3,910.74	3,910.74	20.39	134.82	164.61	-1,157.47	-5,699.88	6,577.11	6,423.65	153.46	42.860		
4,100.00	4,005.92	4,007.92	4,007.92	20.92	138.21	164.67	-1,157.47	-5,699.88	6,599.86	6,442.54	157.32	41.953		
4,200.00	4,103.11	4,105.11	4,105.11	21.45	141.60	164.72	-1,157.47	-5,699.88	6,622.61	6,461.43	161.18	41.089		
4,300.00	4,200.30	4,202.30	4,202.30	21.98	144.99	164.77	-1,157.47	-5,699.88	6,645.37	6,480.33	165.04	40.265		
4,400.00	4,297.49	4,300.51	4,299.49	22.51	148.42	164.83	-1,157.47	-5,699.88	6,668.13	6,499.19	168.94	39.471		
4,500.00	4,394.68	4,403.32	4,396.68	23.04	152.01	164.88	-1,157.47	-5,699.88	6,690.90	6,517.90	173.00	38.676		
4,600.00	4,491.87	4,506.13	4,493.87	23.57	155.60	164.93	-1,157.47	-5,699.88	6,713.68	6,536.62	177.06	37.918		
4,700.00	4,589.06	4,608.94	4,591.06	24.10	159.19	164.98	-1,157.47	-5,699.88	6,736.46	6,555.34	181.12	37.194		
4,800.00	4,686.25	4,688.25	4,688.25	24.64	161.95	165.04	-1,157.47	-5,699.88	6,759.24	6,574.89	184.36	36.664		
4,900.00	4,783.43	4,785.43	4,785.43	25.17	165.35	165.09	-1,157.47	-5,699.88	6,782.03	6,593.81	188.22	36.032		
5,000.00	4,880.62	4,882.62	4,882.62	25.70	168.74	165.14	-1,157.47	-5,699.88	6,804.83	6,612.74	192.08	35.426		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,979.81	4,979.81	26.23	172.13	165.19	-1,157.47	-5,699.88	6,827.63	6,631.68	195.95	34.844		
5,200.00	5,075.00	5,077.00	5,077.00	26.77	175.52	165.24	-1,157.47	-5,699.88	6,850.43	6,650.62	199.81	34.284		
5,300.00	5,172.19	5,174.19	5,174.19	27.30	178.92	165.29	-1,157.47	-5,699.88	6,873.25	6,669.57	203.68	33.746		
5,400.00	5,269.38	5,271.38	5,271.38	27.83	182.31	165.34	-1,157.47	-5,699.88	6,896.06	6,688.52	207.54	33.227		
5,457.75	5,325.51	5,327.51	5,327.51	28.14	184.27	165.37	-1,157.47	-5,699.88	6,909.24	6,699.47	209.77	32.936		
5,500.00	5,366.64	5,368.64	5,368.64	28.37	185.70	165.44	-1,157.47	-5,699.88	6,918.59	6,707.18	211.41	32.726		
5,600.00	5,464.53	5,466.53	5,466.53	28.87	189.12	165.58	-1,157.47	-5,699.88	6,938.37	6,723.08	215.29	32.228		
5,700.00	5,563.07	5,565.07	5,565.07	29.35	192.56	165.70	-1,157.47	-5,699.88	6,954.82	6,735.64	219.18	31.731		
5,800.00	5,662.15	5,664.15	5,664.15	29.80	196.02	165.79	-1,157.47	-5,699.88	6,967.94	6,744.86	223.08	31.235		
5,900.00	5,761.64	5,763.64	5,763.64	30.23	199.49	165.86	-1,157.47	-5,699.88	6,977.69	6,750.71	226.98	30.741		
6,000.00	5,861.42	5,863.42	5,863.42	30.64	202.97	165.90	-1,157.47	-5,699.88	6,984.08	6,753.19	230.88	30.249		
6,100.00	5,961.36	5,963.36	5,963.36	31.02	206.46	165.92	-1,157.47	-5,699.88	6,987.08	6,752.30	234.78	29.760		
6,138.64	6,000.00	6,002.00	6,002.00	31.16	207.81	-98.57	-1,157.47	-5,699.88	6,987.33	6,751.05	236.28	29.573		
6,200.00	6,061.36	6,063.36	6,063.36	31.38	209.95	-98.57	-1,157.47	-5,699.88	6,987.33	6,748.68	238.65	29.279		
6,300.00	6,161.36	6,163.36	6,163.36	31.74	213.44	-98.57	-1,157.47	-5,699.88	6,987.33	6,744.82	242.51	28.812		
6,400.00	6,261.36	6,263.36	6,263.36	32.10	216.93	-98.57	-1,157.47	-5,699.88	6,987.33	6,740.95	246.38	28.360		
6,500.00	6,361.36	6,363.36	6,363.36	32.46	220.42	-98.57	-1,157.47	-5,699.88	6,987.33	6,737.08	250.25	27.922		
6,562.02	6,423.38	6,425.38	6,425.38	32.68	222.59	-98.57	-1,157.47	-5,699.88	6,987.33	6,734.68	252.65	27.656		
6,600.00	6,461.34	6,463.34	6,463.34	32.82	223.91	-8.28	-1,157.47	-5,699.88	6,986.21	6,732.10	254.11	27.493		
6,650.00	6,511.08	6,513.08	6,513.08	32.99	225.65	-8.35	-1,157.47	-5,699.88	6,981.32	6,725.31	256.01	27.270		
6,700.00	6,560.29	6,562.29	6,562.29	33.17	227.37	-8.48	-1,157.47	-5,699.88	6,972.59	6,714.72	257.87	27.039		
6,750.00	6,608.64	6,610.64	6,610.64	33.36	229.06	-8.67	-1,157.47	-5,699.88	6,960.06	6,700.37	259.69	26.801		
6,800.00	6,655.86	6,657.86	6,657.86	33.56	230.70	-8.93	-1,157.47	-5,699.88	6,943.82	6,682.36	261.46	26.558		
6,850.00	6,701.64	6,703.64	6,703.64	33.78	232.30	-9.26	-1,157.47	-5,699.88	6,923.97	6,660.81	263.16	26.311		
6,900.00	6,745.71	6,747.71	6,747.71	34.01	233.84	-9.68	-1,157.47	-5,699.88	6,900.62	6,635.83	264.79	26.061		
6,950.00	6,787.79	6,789.79	6,789.79	34.27	235.31	-10.21	-1,157.47	-5,699.88	6,873.93	6,607.60	266.33	25.810		
7,000.00	6,827.62	6,829.62	6,829.62	34.56	236.70	-10.87	-1,157.47	-5,699.88	6,844.05	6,576.28	267.78	25.559		
7,050.00	6,864.96	6,866.96	6,866.96	34.87	238.00	-11.70	-1,157.47	-5,699.88	6,811.18	6,542.05	269.13	25.308		
7,100.00	6,899.58	6,901.58	6,901.58	35.21	239.21	-12.73	-1,157.47	-5,699.88	6,775.52	6,505.15	270.37	25.060		
7,150.00	6,931.26	6,933.26	6,933.26	35.60	240.32	-14.04	-1,157.47	-5,699.88	6,737.28	6,465.78	271.51	24.814		
7,200.00	6,959.81	6,961.81	6,961.81	36.02	241.31	-15.74	-1,157.47	-5,699.88	6,696.71	6,424.19	272.52	24.573		
7,250.00	6,985.06	6,987.06	6,987.06	36.47	242.20	-17.98	-1,157.47	-5,699.88	6,654.06	6,380.64	273.42	24.336		
7,300.00	7,006.84	7,008.84	7,008.84	36.97	242.96	-21.03	-1,157.47	-5,699.88	6,609.59	6,335.39	274.19	24.106		
7,350.00	7,025.02	7,027.02	7,027.02	37.51	243.59	-25.35	-1,157.47	-5,699.88	6,563.57	6,288.73	274.84	23.882		
7,400.00	7,039.49	7,041.49	7,041.49	38.09	244.10	-31.79	-1,157.47	-5,699.88	6,516.29	6,240.94	275.35	23.665		
7,450.00	7,050.17	7,052.17	7,052.17	38.70	244.47	-41.93	-1,157.47	-5,699.88	6,468.05	6,192.31	275.74	23.457		
7,500.00	7,056.98	7,058.98	7,058.98	39.33	244.71	-58.46	-1,157.47	-5,699.88	6,419.13	6,143.13	276.00	23.258		
7,550.00	7,059.89	7,061.89	7,061.89	39.99	244.81	-83.26	-1,157.47	-5,699.88	6,369.85	6,093.72	276.12	23.069		
7,560.55	7,060.00	7,062.00	7,062.00	40.13	244.81	-89.17	-1,157.47	-5,699.88	6,359.43	6,083.30	276.13	23.030		
7,600.00	7,060.09	7,062.09	7,062.09	40.67	244.81	-89.18	-1,157.47	-5,699.88	6,320.48	6,044.32	276.16	22.887		
7,700.00	7,060.32	7,062.32	7,062.32	42.14	244.82	-89.19	-1,157.47	-5,699.88	6,221.77	5,945.53	276.24	22.523		
7,800.00	7,060.55	7,062.55	7,062.55	43.75	244.83	-89.21	-1,157.47	-5,699.88	6,123.10	5,846.77	276.33	22.158		
7,900.00	7,060.78	7,062.78	7,062.78	45.48	244.84	-89.22	-1,157.47	-5,699.88	6,024.48	5,748.05	276.44	21.793		
8,000.00	7,061.01	7,063.01	7,063.01	47.33	244.85	-89.23	-1,157.47	-5,699.88	5,925.91	5,649.35	276.55	21.428		
8,100.00	7,061.24	7,063.24	7,063.24	49.27	244.85	-89.25	-1,157.47	-5,699.88	5,827.38	5,550.69	276.69	21.061		
8,200.00	7,061.47	7,063.47	7,063.47	51.29	244.86	-89.26	-1,157.47	-5,699.88	5,728.90	5,452.07	276.84	20.694		
8,300.00	7,061.70	7,063.70	7,063.70	53.40	244.87	-89.27	-1,157.47	-5,699.88	5,630.48	5,353.48	277.00	20.327		
8,400.00	7,061.93	7,063.93	7,063.93	55.57	244.88	-89.28	-1,157.47	-5,699.88	5,532.11	5,254.93	277.19	19.958		
8,500.00	7,062.16	7,064.16	7,064.16	57.80	244.89	-89.30	-1,157.47	-5,699.88	5,433.81	5,156.42	277.39	19.589		
8,600.00	7,062.39	7,064.39	7,064.39	60.08	244.89	-89.31	-1,157.47	-5,699.88	5,335.56	5,057.95	277.61	19.219		
8,700.00	7,062.63	7,064.63	7,064.63	62.42	244.90	-89.32	-1,157.47	-5,699.88	5,237.38	4,959.52	277.86	18.849		
8,800.00	7,062.86	7,064.86	7,064.86	64.79	244.91	-89.34	-1,157.47	-5,699.88	5,139.28	4,861.14	278.13	18.478		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,065.09	7,065.09	67.20	244.92	-89.35	-1,157.47	-5,699.88	5,041.24	4,762.81	278.43	18.106		
9,000.00	7,063.32	7,065.32	7,065.32	69.65	244.93	-89.36	-1,157.47	-5,699.88	4,943.29	4,664.53	278.76	17.733		
9,100.00	7,063.55	7,065.55	7,065.55	72.12	244.94	-89.38	-1,157.47	-5,699.88	4,845.42	4,566.30	279.12	17.360		
9,200.00	7,063.78	7,065.78	7,065.78	74.63	244.94	-89.39	-1,157.47	-5,699.88	4,747.64	4,468.13	279.51	16.986		
9,300.00	7,064.01	7,066.01	7,066.01	77.16	244.95	-89.40	-1,157.47	-5,699.88	4,649.95	4,370.02	279.93	16.611		
9,400.00	7,064.24	7,066.24	7,066.24	79.71	244.96	-89.42	-1,157.47	-5,699.88	4,552.36	4,271.97	280.40	16.236		
9,500.00	7,064.47	7,066.47	7,066.47	82.28	244.97	-89.43	-1,157.47	-5,699.88	4,454.88	4,173.99	280.90	15.859		
9,600.00	7,064.70	7,066.70	7,066.70	84.87	244.98	-89.44	-1,157.47	-5,699.88	4,357.52	4,076.07	281.45	15.483		
9,700.00	7,064.93	7,066.93	7,066.93	87.47	244.98	-89.46	-1,157.47	-5,699.88	4,260.27	3,978.23	282.04	15.105		
9,800.00	7,065.16	7,067.16	7,067.16	90.09	244.99	-89.47	-1,157.47	-5,699.88	4,163.16	3,880.48	282.69	14.727		
9,900.00	7,065.39	7,067.39	7,067.39	92.73	245.00	-89.48	-1,157.47	-5,699.88	4,066.19	3,782.80	283.38	14.349		
10,000.00	7,065.62	7,067.62	7,067.62	95.38	245.01	-89.50	-1,157.47	-5,699.88	3,969.37	3,685.22	284.14	13.970		
10,100.00	7,065.85	7,067.85	7,067.85	98.04	245.02	-89.51	-1,157.47	-5,699.88	3,872.70	3,587.74	284.96	13.590		
10,200.00	7,066.08	7,068.08	7,068.08	100.71	245.02	-89.52	-1,157.47	-5,699.88	3,776.22	3,490.37	285.85	13.210		
10,300.00	7,066.31	7,068.31	7,068.31	103.39	245.03	-89.53	-1,157.47	-5,699.88	3,679.92	3,393.10	286.81	12.830		
10,400.00	7,066.54	7,068.54	7,068.54	106.08	245.04	-89.55	-1,157.47	-5,699.88	3,583.82	3,295.96	287.85	12.450		
10,500.00	7,066.77	7,068.77	7,068.77	108.78	245.05	-89.56	-1,157.47	-5,699.88	3,487.94	3,198.96	288.98	12.070		
10,600.00	7,067.01	7,069.01	7,069.01	111.48	245.06	-89.57	-1,157.47	-5,699.88	3,392.30	3,102.10	290.20	11.690		
10,700.00	7,067.24	7,069.24	7,069.24	114.20	245.06	-89.59	-1,157.47	-5,699.88	3,296.92	3,005.40	291.52	11.309		
10,800.00	7,067.47	7,069.47	7,069.47	116.92	245.07	-89.60	-1,157.47	-5,699.88	3,201.82	2,908.88	292.94	10.930		
10,900.00	7,067.70	7,069.70	7,069.70	119.65	245.08	-89.61	-1,157.47	-5,699.88	3,107.03	2,812.54	294.49	10.551		
11,000.00	7,067.93	7,069.93	7,069.93	122.38	245.09	-89.63	-1,157.47	-5,699.88	3,012.57	2,716.42	296.16	10.172		
11,100.00	7,068.16	7,070.16	7,070.16	125.12	245.10	-89.64	-1,157.47	-5,699.88	2,918.49	2,620.52	297.97	9.795		
11,200.00	7,068.39	7,070.39	7,070.39	127.86	245.10	-89.65	-1,157.47	-5,699.88	2,824.81	2,524.88	299.93	9.418		
11,300.00	7,068.62	7,070.62	7,070.62	130.61	245.11	-89.67	-1,157.47	-5,699.88	2,731.58	2,429.53	302.05	9.044		
11,400.00	7,068.85	7,070.85	7,070.85	133.37	245.12	-89.68	-1,157.47	-5,699.88	2,638.84	2,334.50	304.35	8.670		
11,500.00	7,069.08	7,071.08	7,071.08	136.12	245.13	-89.69	-1,157.47	-5,699.88	2,546.66	2,239.82	306.84	8.300		
11,600.00	7,069.31	7,071.31	7,071.31	138.89	245.14	-89.71	-1,157.47	-5,699.88	2,455.08	2,145.54	309.55	7.931		
11,700.00	7,069.54	7,071.54	7,071.54	141.65	245.14	-89.72	-1,157.47	-5,699.88	2,364.19	2,051.71	312.49	7.566		
11,800.00	7,069.77	7,071.77	7,071.77	144.42	245.15	-89.73	-1,157.47	-5,699.88	2,274.07	1,958.39	315.68	7.204		
11,900.00	7,070.00	7,072.00	7,072.00	147.19	245.16	-89.74	-1,157.47	-5,699.88	2,184.80	1,865.65	319.15	6.846		
12,000.00	7,070.23	7,072.23	7,072.23	149.97	245.17	-89.76	-1,157.47	-5,699.88	2,096.50	1,773.58	322.92	6.492		
12,100.00	7,070.46	7,072.46	7,072.46	152.75	245.18	-89.77	-1,157.47	-5,699.88	2,009.30	1,682.28	327.03	6.144		
12,200.00	7,070.69	7,072.69	7,072.69	155.53	245.18	-89.78	-1,157.47	-5,699.88	1,923.35	1,591.85	331.50	5.802		
12,300.00	7,070.92	7,072.92	7,072.92	158.32	245.19	-89.80	-1,157.47	-5,699.88	1,838.82	1,502.45	336.36	5.467		
12,400.00	7,071.16	7,073.16	7,073.16	161.10	245.20	-89.81	-1,157.47	-5,699.88	1,755.91	1,414.26	341.65	5.139		
12,500.00	7,071.39	7,073.39	7,073.39	163.89	245.21	-89.82	-1,157.47	-5,699.88	1,674.87	1,327.46	347.41	4.821		
12,600.00	7,071.62	7,073.62	7,073.62	166.69	245.22	-89.84	-1,157.47	-5,699.88	1,595.98	1,242.34	353.65	4.513		
12,700.00	7,071.85	7,073.85	7,073.85	169.48	245.22	-89.85	-1,157.47	-5,699.88	1,519.58	1,159.18	360.40	4.216		
12,800.00	7,072.08	7,074.08	7,074.08	172.28	245.23	-89.86	-1,157.47	-5,699.88	1,446.07	1,078.39	367.68	3.933		
12,900.00	7,072.31	7,074.31	7,074.31	175.08	245.24	-89.88	-1,157.47	-5,699.88	1,375.89	1,000.42	375.47	3.664		
13,000.00	7,072.54	7,074.54	7,074.54	177.88	245.25	-89.89	-1,157.47	-5,699.88	1,309.60	925.86	383.74	3.413		
13,100.00	7,072.77	7,074.77	7,074.77	180.68	245.26	-89.90	-1,157.47	-5,699.88	1,247.81	855.38	392.42	3.180		
13,200.00	7,073.00	7,075.00	7,075.00	183.48	245.27	-89.92	-1,157.47	-5,699.88	1,191.21	789.83	401.38	2.968		
13,300.00	7,073.23	7,075.23	7,075.23	186.29	245.27	-89.93	-1,157.47	-5,699.88	1,140.60	730.18	410.42	2.779		
13,400.00	7,073.46	7,075.46	7,075.46	189.09	245.28	-89.94	-1,157.47	-5,699.88	1,096.78	677.51	419.27	2.616		
13,500.00	7,073.69	7,075.69	7,075.69	191.90	245.29	-89.96	-1,157.47	-5,699.88	1,060.61	633.02	427.59	2.480		
13,600.00	7,073.92	7,075.92	7,075.92	194.71	245.30	-89.97	-1,157.47	-5,699.88	1,032.90	597.90	435.00	2.374		
13,700.00	7,074.15	7,076.15	7,076.15	197.52	245.31	-89.98	-1,157.47	-5,699.88	1,014.32	573.23	441.09	2.300		
13,800.00	7,074.38	7,076.38	7,076.38	200.34	245.31	-89.99	-1,157.47	-5,699.88	1,005.39	559.87	445.52	2.257		
13,840.15	7,074.48	7,076.48	7,076.48	201.47	245.32	-90.00	-1,157.47	-5,699.88	1,004.59	557.81	446.78	2.248 CC, ES		
13,900.00	7,074.61	7,076.61	7,076.61	203.15	245.32	-90.01	-1,157.47	-5,699.88	1,006.37	558.29	448.08	2.246 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,076.84	7,076.84	205.97	245.33	-90.02	-1,157.47	-5,699.88	1,017.23	568.54	448.69	2.267		
14,100.00	7,075.07	7,077.07	7,077.07	208.78	245.34	-90.03	-1,157.47	-5,699.88	1,037.65	590.19	447.46	2.319		
14,200.00	7,075.30	7,077.30	7,077.30	211.60	245.35	-90.05	-1,157.47	-5,699.88	1,067.10	622.47	444.62	2.400		
14,300.00	7,075.54	7,077.54	7,077.54	214.42	245.35	-90.06	-1,157.47	-5,699.88	1,104.84	664.32	440.51	2.508		
14,400.00	7,075.77	7,077.77	7,077.77	217.24	245.36	-90.07	-1,157.47	-5,699.88	1,150.06	714.59	435.47	2.641		
14,500.00	7,076.00	7,078.00	7,078.00	220.06	245.37	-90.09	-1,157.47	-5,699.88	1,201.92	772.09	429.83	2.796		
14,600.00	7,076.23	7,078.23	7,078.23	222.88	245.38	-90.10	-1,157.47	-5,699.88	1,259.59	835.73	423.86	2.972		
14,700.00	7,076.46	7,078.46	7,078.46	225.70	245.39	-90.11	-1,157.47	-5,699.88	1,322.32	904.54	417.79	3.165		
14,800.00	7,076.69	7,078.69	7,078.69	228.53	245.39	-90.13	-1,157.47	-5,699.88	1,389.43	977.66	411.77	3.374		
14,900.00	7,076.92	7,078.92	7,078.92	231.35	245.40	-90.14	-1,157.47	-5,699.88	1,460.30	1,054.38	405.93	3.597		
15,000.00	7,077.15	7,079.15	7,079.15	234.18	245.41	-90.15	-1,157.47	-5,699.88	1,534.42	1,134.10	400.32	3.833		
15,100.00	7,077.38	7,079.38	7,079.38	237.00	245.42	-90.17	-1,157.47	-5,699.88	1,611.34	1,216.34	395.00	4.079		
15,200.00	7,077.61	7,079.61	7,079.61	239.83	245.43	-90.18	-1,157.47	-5,699.88	1,690.68	1,300.70	389.98	4.335		
15,300.00	7,077.84	7,079.84	7,079.84	242.66	245.43	-90.19	-1,157.47	-5,699.88	1,772.10	1,386.84	385.26	4.600		
15,400.00	7,078.07	7,080.07	7,080.07	245.49	245.44	-90.21	-1,157.47	-5,699.88	1,855.35	1,474.50	380.85	4.872		
15,500.00	7,078.30	7,080.30	7,080.30	248.31	245.45	-90.22	-1,157.47	-5,699.88	1,940.18	1,563.44	376.74	5.150		
15,600.00	7,078.53	7,080.53	7,080.53	251.14	245.46	-90.23	-1,157.47	-5,699.88	2,026.39	1,653.50	372.89	5.434		
15,700.00	7,078.76	7,080.76	7,080.76	253.97	245.47	-90.24	-1,157.47	-5,699.88	2,113.82	1,744.51	369.31	5.724		
15,800.00	7,078.99	7,080.99	7,080.99	256.80	245.47	-90.26	-1,157.47	-5,699.88	2,202.32	1,836.34	365.97	6.018		
15,900.00	7,079.22	7,081.22	7,081.22	259.64	245.48	-90.27	-1,157.47	-5,699.88	2,291.76	1,928.90	362.86	6.316		
16,000.00	7,079.45	7,081.45	7,081.45	262.47	245.49	-90.28	-1,157.47	-5,699.88	2,382.04	2,022.09	359.96	6.618		
16,100.00	7,079.69	7,081.69	7,081.69	265.30	245.50	-90.30	-1,157.47	-5,699.88	2,473.08	2,115.83	357.24	6.923		
16,200.00	7,079.92	7,081.92	7,081.92	268.13	245.51	-90.31	-1,157.47	-5,699.88	2,564.77	2,210.07	354.71	7.231		
16,300.00	7,080.15	7,082.15	7,082.15	270.97	245.51	-90.32	-1,157.47	-5,699.88	2,657.07	2,304.74	352.34	7.541		
16,400.00	7,080.38	7,082.38	7,082.38	273.80	245.52	-90.34	-1,157.47	-5,699.88	2,749.91	2,399.79	350.12	7.854		
16,500.00	7,080.61	7,082.61	7,082.61	276.64	245.53	-90.35	-1,157.47	-5,699.88	2,843.23	2,495.20	348.04	8.169		
16,600.00	7,080.84	7,082.84	7,082.84	279.47	245.54	-90.36	-1,157.47	-5,699.88	2,937.00	2,590.91	346.08	8.486		
16,700.00	7,081.07	7,083.07	7,083.07	282.31	245.55	-90.38	-1,157.47	-5,699.88	3,031.16	2,686.91	344.25	8.805		
16,800.00	7,081.30	7,083.30	7,083.30	285.14	245.55	-90.39	-1,157.47	-5,699.88	3,125.68	2,783.15	342.53	9.125		
16,900.00	7,081.53	7,083.53	7,083.53	287.98	245.56	-90.40	-1,157.47	-5,699.88	3,220.53	2,879.63	340.90	9.447		
17,000.00	7,081.76	7,083.76	7,083.76	290.82	245.57	-90.42	-1,157.47	-5,699.88	3,315.69	2,976.32	339.37	9.770		
17,100.00	7,081.99	7,083.99	7,083.99	293.65	245.58	-90.43	-1,157.47	-5,699.88	3,411.13	3,073.19	337.93	10.094		
17,200.00	7,082.22	7,084.22	7,084.22	296.49	245.59	-90.44	-1,157.47	-5,699.88	3,506.81	3,170.24	336.57	10.419		
17,300.00	7,082.45	7,084.45	7,084.45	299.33	245.60	-90.45	-1,157.47	-5,699.88	3,602.74	3,267.45	335.28	10.745		
17,400.00	7,082.68	7,084.68	7,084.68	302.17	245.60	-90.47	-1,157.47	-5,699.88	3,698.87	3,364.81	334.07	11.072		
17,500.00	7,082.91	7,084.91	7,084.91	305.01	245.61	-90.48	-1,157.47	-5,699.88	3,795.21	3,462.30	332.92	11.400		
17,600.00	7,083.14	7,085.14	7,085.14	307.85	245.62	-90.49	-1,157.47	-5,699.88	3,891.74	3,559.91	331.83	11.728		
17,700.00	7,083.37	7,085.37	7,085.37	310.69	245.63	-90.51	-1,157.47	-5,699.88	3,988.43	3,657.64	330.79	12.057		
17,800.00	7,083.60	7,085.60	7,085.60	313.53	245.64	-90.52	-1,157.47	-5,699.88	4,085.28	3,755.47	329.81	12.387		
17,900.00	7,083.84	7,085.84	7,085.84	316.37	245.64	-90.53	-1,157.47	-5,699.88	4,182.28	3,853.41	328.88	12.717		
18,000.00	7,084.07	7,086.07	7,086.07	319.21	245.65	-90.55	-1,157.47	-5,699.88	4,279.42	3,951.43	327.99	13.047		
18,100.00	7,084.30	7,086.30	7,086.30	322.05	245.66	-90.56	-1,157.47	-5,699.88	4,376.69	4,049.54	327.15	13.378		
18,200.00	7,084.53	7,086.53	7,086.53	324.89	245.67	-90.57	-1,157.47	-5,699.88	4,474.08	4,147.73	326.35	13.709		
18,300.00	7,084.76	7,086.76	7,086.76	327.73	245.68	-90.59	-1,157.47	-5,699.88	4,571.58	4,245.99	325.59	14.041		
18,400.00	7,084.99	7,086.99	7,086.99	330.57	245.68	-90.60	-1,157.47	-5,699.88	4,669.19	4,344.33	324.86	14.373		
18,500.00	7,085.22	7,087.22	7,087.22	333.41	245.69	-90.61	-1,157.47	-5,699.88	4,766.90	4,442.72	324.17	14.705		
18,600.00	7,085.45	7,087.45	7,087.45	336.26	245.70	-90.63	-1,157.47	-5,699.88	4,864.70	4,541.18	323.51	15.037		
18,700.00	7,085.68	7,087.68	7,087.68	339.10	245.71	-90.64	-1,157.47	-5,699.88	4,962.58	4,639.70	322.89	15.369		
18,800.00	7,085.91	7,087.91	7,087.91	341.94	245.72	-90.65	-1,157.47	-5,699.88	5,060.55	4,738.27	322.29	15.702		
18,839.14	7,086.00	7,088.00	7,088.00	343.06	245.72	-90.66	-1,157.47	-5,699.88	5,098.92	4,776.86	322.06	15.832		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-78.23	1,472.08	-7,066.87	7,218.56					
100.00	100.00	140.00	140.00	3.28	4.54	-78.23	1,472.08	-7,066.87	7,218.56	7,210.74	7.83	922.298		
200.00	200.00	240.00	240.00	3.34	7.40	-78.23	1,472.08	-7,066.87	7,218.56	7,207.83	10.74	672.331		
300.00	300.00	340.00	340.00	3.44	10.64	-78.23	1,472.08	-7,066.87	7,218.56	7,204.48	14.09	512.431		
400.00	399.98	439.98	439.98	3.60	14.00	-173.74	1,472.08	-7,066.87	7,220.30	7,202.70	17.60	410.168		
500.00	499.84	539.84	539.84	3.80	17.41	-173.73	1,472.08	-7,066.87	7,225.50	7,204.29	21.21	340.670		
600.00	599.45	639.45	639.45	4.04	20.84	-173.72	1,472.08	-7,066.87	7,234.16	7,209.29	24.87	290.831		
700.00	698.70	738.70	738.70	4.31	24.27	-173.71	1,472.08	-7,066.87	7,246.28	7,217.70	28.58	253.585		
800.00	797.47	837.47	837.47	4.62	27.69	-173.68	1,472.08	-7,066.87	7,261.83	7,229.53	32.30	224.836		
900.00	895.62	935.62	935.62	4.97	31.09	-173.66	1,472.08	-7,066.87	7,280.80	7,244.77	36.03	202.068		
980.89	974.49	1,014.49	1,014.49	5.27	33.83	-173.63	1,472.08	-7,066.87	7,298.62	7,259.57	39.05	186.891		
1,000.00	993.07	1,033.07	1,033.07	5.34	34.48	-173.64	1,472.08	-7,066.87	7,303.10	7,263.33	39.77	183.637		
1,100.00	1,090.26	1,130.26	1,130.26	5.75	37.85	-173.66	1,472.08	-7,066.87	7,326.51	7,283.00	43.50	168.410		
1,200.00	1,187.45	1,227.45	1,227.45	6.17	41.24	-173.68	1,472.08	-7,066.87	7,349.91	7,302.66	47.26	155.530		
1,300.00	1,284.64	1,324.64	1,324.64	6.62	44.62	-173.70	1,472.08	-7,066.87	7,373.32	7,322.30	51.02	144.504		
1,400.00	1,381.83	1,421.83	1,421.83	7.07	48.00	-173.72	1,472.08	-7,066.87	7,396.73	7,341.93	54.81	134.964		
1,500.00	1,479.01	1,519.01	1,519.01	7.54	51.39	-173.74	1,472.08	-7,066.87	7,420.15	7,361.55	58.60	126.634		
1,600.00	1,576.20	1,616.20	1,616.20	8.02	54.77	-173.76	1,472.08	-7,066.87	7,443.56	7,381.16	62.39	119.299		
1,700.00	1,673.39	1,713.39	1,713.39	8.50	58.16	-173.78	1,472.08	-7,066.87	7,466.97	7,400.77	66.20	112.794		
1,800.00	1,770.58	1,810.58	1,810.58	8.99	61.55	-173.80	1,472.08	-7,066.87	7,490.38	7,420.37	70.01	106.987		
1,900.00	1,867.77	1,907.77	1,907.77	9.48	64.94	-173.82	1,472.08	-7,066.87	7,513.80	7,439.97	73.83	101.772		
2,000.00	1,964.96	2,004.96	2,004.96	9.98	68.33	-173.84	1,472.08	-7,066.87	7,537.21	7,459.56	77.65	97.065		
2,100.00	2,062.15	2,102.15	2,102.15	10.49	71.72	-173.86	1,472.08	-7,066.87	7,560.63	7,479.15	81.48	92.794		
2,200.00	2,159.34	2,200.66	2,199.34	10.99	75.15	-173.87	1,472.08	-7,066.87	7,584.05	7,498.69	85.35	88.855		
2,300.00	2,256.53	2,303.47	2,296.53	11.50	78.74	-173.89	1,472.08	-7,066.87	7,607.46	7,518.08	89.38	85.113		
2,400.00	2,353.71	2,406.29	2,393.71	12.01	82.32	-173.91	1,472.08	-7,066.87	7,630.88	7,537.47	93.41	81.691		
2,500.00	2,450.90	2,509.10	2,490.90	12.53	85.91	-173.93	1,472.08	-7,066.87	7,654.30	7,556.86	97.44	78.550		
2,600.00	2,548.09	2,588.09	2,588.09	13.04	88.67	-173.95	1,472.08	-7,066.87	7,677.72	7,577.07	100.65	76.282		
2,700.00	2,645.28	2,685.28	2,685.28	13.56	92.06	-173.97	1,472.08	-7,066.87	7,701.14	7,596.65	104.49	73.702		
2,800.00	2,742.47	2,782.47	2,782.47	14.08	95.45	-173.99	1,472.08	-7,066.87	7,724.56	7,616.23	108.33	71.304		
2,900.00	2,839.66	2,879.66	2,879.66	14.60	98.84	-174.00	1,472.08	-7,066.87	7,747.99	7,635.81	112.18	69.069		
3,000.00	2,936.85	2,976.85	2,976.85	15.12	102.23	-174.02	1,472.08	-7,066.87	7,771.41	7,655.39	116.02	66.982		
3,100.00	3,034.04	3,074.04	3,074.04	15.65	105.62	-174.04	1,472.08	-7,066.87	7,794.83	7,674.96	119.87	65.028		
3,200.00	3,131.22	3,171.22	3,171.22	16.17	109.01	-174.06	1,472.08	-7,066.87	7,818.26	7,694.54	123.72	63.195		
3,300.00	3,228.41	3,268.41	3,268.41	16.69	112.40	-174.08	1,472.08	-7,066.87	7,841.68	7,714.12	127.56	61.472		
3,400.00	3,325.60	3,365.60	3,365.60	17.22	115.79	-174.09	1,472.08	-7,066.87	7,865.11	7,733.69	131.41	59.850		
3,500.00	3,422.79	3,462.79	3,462.79	17.75	119.19	-174.11	1,472.08	-7,066.87	7,888.53	7,753.27	135.26	58.319		
3,600.00	3,519.98	3,559.98	3,559.98	18.27	122.58	-174.13	1,472.08	-7,066.87	7,911.96	7,772.85	139.12	56.873		
3,700.00	3,617.17	3,657.17	3,657.17	18.80	125.97	-174.15	1,472.08	-7,066.87	7,935.39	7,792.42	142.97	55.505		
3,800.00	3,714.36	3,754.36	3,754.36	19.33	129.36	-174.16	1,472.08	-7,066.87	7,958.82	7,812.00	146.82	54.208		
3,900.00	3,811.55	3,851.55	3,851.55	19.86	132.75	-174.18	1,472.08	-7,066.87	7,982.25	7,831.57	150.67	52.977		
4,000.00	3,908.74	3,948.74	3,948.74	20.39	136.14	-174.20	1,472.08	-7,066.87	8,005.68	7,851.15	154.53	51.808		
4,100.00	4,005.92	4,045.92	4,045.92	20.92	139.54	-174.21	1,472.08	-7,066.87	8,029.11	7,870.73	158.38	50.695		
4,200.00	4,103.11	4,143.11	4,143.11	21.45	142.93	-174.23	1,472.08	-7,066.87	8,052.54	7,890.30	162.24	49.635		
4,300.00	4,200.30	4,240.30	4,240.30	21.98	146.32	-174.25	1,472.08	-7,066.87	8,075.97	7,909.88	166.09	48.624		
4,400.00	4,297.49	4,337.49	4,337.49	22.51	149.71	-174.27	1,472.08	-7,066.87	8,099.40	7,929.46	169.95	47.659		
4,500.00	4,394.68	4,434.68	4,434.68	23.04	153.10	-174.28	1,472.08	-7,066.87	8,122.84	7,949.03	173.80	46.736		
4,600.00	4,491.87	4,531.87	4,531.87	23.57	156.50	-174.30	1,472.08	-7,066.87	8,146.27	7,968.61	177.66	45.854		
4,700.00	4,589.06	4,629.06	4,629.06	24.10	159.89	-174.31	1,472.08	-7,066.87	8,169.70	7,988.19	181.51	45.009		
4,800.00	4,686.25	4,726.25	4,726.25	24.64	163.28	-174.33	1,472.08	-7,066.87	8,193.14	8,007.77	185.37	44.198		
4,900.00	4,783.43	4,823.43	4,823.43	25.17	166.67	-174.35	1,472.08	-7,066.87	8,216.58	8,027.35	189.23	43.421		
5,000.00	4,880.62	4,920.62	4,920.62	25.70	170.07	-174.36	1,472.08	-7,066.87	8,240.01	8,046.93	193.09	42.675		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,017.81	5,017.81	26.23	173.46	-174.38	1,472.08	-7,066.87	8,263.45	8,066.50	196.94	41.958		
5,200.00	5,075.00	5,115.00	5,115.00	26.77	176.85	-174.40	1,472.08	-7,066.87	8,286.89	8,086.08	200.80	41.269		
5,300.00	5,172.19	5,212.19	5,212.19	27.30	180.24	-174.41	1,472.08	-7,066.87	8,310.32	8,105.66	204.66	40.605		
5,400.00	5,269.38	5,309.38	5,309.38	27.83	183.63	-174.43	1,472.08	-7,066.87	8,333.76	8,125.24	208.52	39.966		
5,457.75	5,325.51	5,365.51	5,365.51	28.14	185.59	-174.44	1,472.08	-7,066.87	8,347.30	8,136.55	210.75	39.608		
5,500.00	5,366.64	5,406.64	5,406.64	28.37	187.03	-174.46	1,472.08	-7,066.87	8,356.90	8,144.52	212.38	39.349		
5,600.00	5,464.53	5,504.53	5,504.53	28.87	190.45	-174.51	1,472.08	-7,066.87	8,377.21	8,160.96	216.25	38.738		
5,700.00	5,563.07	5,603.07	5,603.07	29.35	193.89	-174.56	1,472.08	-7,066.87	8,394.11	8,173.97	220.14	38.130		
5,800.00	5,662.15	5,702.15	5,702.15	29.80	197.34	-174.59	1,472.08	-7,066.87	8,407.58	8,183.53	224.04	37.527		
5,900.00	5,761.64	5,801.64	5,801.64	30.23	200.82	-174.62	1,472.08	-7,066.87	8,417.59	8,189.65	227.94	36.928		
6,000.00	5,861.42	5,901.42	5,901.42	30.64	204.30	-174.63	1,472.08	-7,066.87	8,424.14	8,192.30	231.84	36.335		
6,100.00	5,961.36	6,001.36	6,001.36	31.02	207.79	-174.64	1,472.08	-7,066.87	8,427.22	8,191.48	235.74	35.748		
6,138.64	6,000.00	6,040.00	6,040.00	31.16	209.14	-79.13	1,472.08	-7,066.87	8,427.48	8,190.24	237.24	35.523		
6,200.00	6,061.36	6,101.36	6,101.36	31.38	211.28	-79.13	1,472.08	-7,066.87	8,427.48	8,187.87	239.61	35.171		
6,300.00	6,161.36	6,201.36	6,201.36	31.74	214.77	-79.13	1,472.08	-7,066.87	8,427.48	8,184.00	243.48	34.613		
6,400.00	6,261.36	6,301.36	6,301.36	32.10	218.26	-79.13	1,472.08	-7,066.87	8,427.48	8,180.13	247.35	34.071		
6,500.00	6,361.36	6,401.36	6,401.36	32.46	221.75	-79.13	1,472.08	-7,066.87	8,427.48	8,176.26	251.22	33.546		
6,562.02	6,423.38	6,463.38	6,463.38	32.68	223.92	-79.13	1,472.08	-7,066.87	8,427.48	8,173.85	253.63	33.228		
6,600.00	6,461.34	6,501.34	6,501.34	32.82	225.24	11.19	1,472.08	-7,066.87	8,426.37	8,171.28	255.09	33.033		
6,650.00	6,511.08	6,551.08	6,551.08	32.99	226.98	11.28	1,472.08	-7,066.87	8,421.52	8,164.53	256.99	32.770		
6,700.00	6,560.29	6,600.29	6,600.29	33.17	228.69	11.45	1,472.08	-7,066.87	8,412.87	8,154.01	258.86	32.500		
6,750.00	6,608.64	6,648.64	6,648.64	33.36	230.38	11.70	1,472.08	-7,066.87	8,400.45	8,139.77	260.68	32.226		
6,800.00	6,655.86	6,695.86	6,695.86	33.56	232.32	12.03	1,472.08	-7,066.87	8,384.35	8,121.62	262.73	31.912		
6,850.00	6,701.64	6,741.64	6,741.64	33.78	233.63	12.47	1,472.08	-7,066.87	8,364.67	8,100.53	264.14	31.668		
6,900.00	6,745.71	6,785.71	6,785.71	34.01	235.17	13.03	1,472.08	-7,066.87	8,341.52	8,075.77	265.76	31.388		
6,950.00	6,787.79	6,827.79	6,827.79	34.27	236.64	13.72	1,472.08	-7,066.87	8,315.07	8,047.77	267.29	31.108		
7,000.00	6,827.62	6,867.62	6,867.62	34.56	238.03	14.58	1,472.08	-7,066.87	8,285.46	8,016.72	268.74	30.831		
7,050.00	6,864.96	6,904.96	6,904.96	34.87	239.33	15.65	1,472.08	-7,066.87	8,252.88	7,982.80	270.08	30.557		
7,100.00	6,899.58	6,939.58	6,939.58	35.21	240.54	16.98	1,472.08	-7,066.87	8,217.53	7,946.21	271.32	30.287		
7,150.00	6,931.26	6,971.26	6,971.26	35.60	241.64	18.66	1,472.08	-7,066.87	8,179.64	7,907.20	272.44	30.023		
7,200.00	6,959.81	7,000.19	6,999.81	36.02	242.65	20.81	1,472.08	-7,066.87	8,139.44	7,865.97	273.47	29.764		
7,250.00	6,985.06	7,025.06	7,025.06	36.47	243.52	23.61	1,472.08	-7,066.87	8,097.18	7,822.83	274.34	29.515		
7,300.00	7,006.84	7,046.84	7,046.84	36.97	244.28	27.35	1,472.08	-7,066.87	8,053.11	7,778.00	275.11	29.272		
7,350.00	7,025.02	7,065.02	7,065.02	37.51	244.92	32.49	1,472.08	-7,066.87	8,007.52	7,731.77	275.75	29.039		
7,400.00	7,039.49	7,079.49	7,079.49	38.09	245.42	39.76	1,472.08	-7,066.87	7,960.69	7,684.42	276.27	28.815		
7,450.00	7,050.17	7,109.83	7,090.17	38.70	246.48	50.29	1,472.08	-7,066.87	7,912.90	7,635.56	277.34	28.532		
7,500.00	7,056.98	7,103.02	7,096.98	39.33	246.24	65.37	1,472.08	-7,066.87	7,864.45	7,587.33	277.12	28.379		
7,550.00	7,059.89	7,100.11	7,099.89	39.99	246.14	84.95	1,472.08	-7,066.87	7,815.64	7,538.59	277.05	28.210		
7,560.55	7,060.00	7,100.00	7,100.00	40.13	246.14	89.38	1,472.08	-7,066.87	7,805.32	7,528.27	277.05	28.173		
7,600.00	7,060.09	7,100.09	7,100.09	40.67	246.14	89.39	1,472.08	-7,066.87	7,766.75	7,489.66	277.09	28.030		
7,700.00	7,060.32	7,100.32	7,100.32	42.14	246.15	89.39	1,472.08	-7,066.87	7,669.01	7,391.83	277.18	27.668		
7,800.00	7,060.55	7,100.55	7,100.55	43.75	246.16	89.40	1,472.08	-7,066.87	7,571.33	7,294.04	277.29	27.304		
7,900.00	7,060.78	7,100.78	7,100.78	45.48	246.17	89.41	1,472.08	-7,066.87	7,473.71	7,196.29	277.43	26.939		
8,000.00	7,061.01	7,101.01	7,101.01	47.33	246.17	89.42	1,472.08	-7,066.87	7,376.16	7,098.58	277.58	26.573		
8,100.00	7,061.24	7,101.24	7,101.24	49.27	246.18	89.43	1,472.08	-7,066.87	7,278.67	7,000.92	277.75	26.206		
8,200.00	7,061.47	7,101.47	7,101.47	51.29	246.19	89.43	1,472.08	-7,066.87	7,181.25	6,903.30	277.95	25.837		
8,300.00	7,061.70	7,101.70	7,101.70	53.40	246.20	89.44	1,472.08	-7,066.87	7,083.91	6,805.74	278.17	25.466		
8,400.00	7,061.93	7,101.93	7,101.93	55.57	246.21	89.45	1,472.08	-7,066.87	6,986.63	6,708.22	278.41	25.095		
8,500.00	7,062.16	7,102.16	7,102.16	57.80	246.21	89.46	1,472.08	-7,066.87	6,889.44	6,610.76	278.68	24.722		
8,600.00	7,062.39	7,102.39	7,102.39	60.08	246.22	89.47	1,472.08	-7,066.87	6,792.33	6,513.35	278.98	24.347		
8,700.00	7,062.63	7,102.63	7,102.63	62.42	246.23	89.47	1,472.08	-7,066.87	6,695.30	6,416.00	279.31	23.971		
8,800.00	7,062.86	7,102.86	7,102.86	64.79	246.24	89.48	1,472.08	-7,066.87	6,598.36	6,318.70	279.66	23.594		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,103.09	7,103.09	67.20	246.25	89.49	1,472.08	-7,066.87	6,501.52	6,221.47	280.05	23.215		
9,000.00	7,063.32	7,103.32	7,103.32	69.65	246.25	89.50	1,472.08	-7,066.87	6,404.77	6,124.30	280.47	22.835		
9,100.00	7,063.55	7,103.55	7,103.55	72.12	246.26	89.51	1,472.08	-7,066.87	6,308.12	6,027.19	280.93	22.454		
9,200.00	7,063.78	7,103.78	7,103.78	74.63	246.27	89.51	1,472.08	-7,066.87	6,211.58	5,930.16	281.43	22.072		
9,300.00	7,064.01	7,104.01	7,104.01	77.16	246.28	89.52	1,472.08	-7,066.87	6,115.15	5,833.19	281.96	21.688		
9,400.00	7,064.24	7,104.24	7,104.24	79.71	246.29	89.53	1,472.08	-7,066.87	6,018.84	5,736.31	282.53	21.303		
9,500.00	7,064.47	7,104.47	7,104.47	82.28	246.29	89.54	1,472.08	-7,066.87	5,922.65	5,639.50	283.15	20.917		
9,600.00	7,064.70	7,104.70	7,104.70	84.87	246.30	89.55	1,472.08	-7,066.87	5,826.59	5,542.78	283.81	20.530		
9,700.00	7,064.93	7,104.93	7,104.93	87.47	246.31	89.56	1,472.08	-7,066.87	5,730.66	5,446.15	284.51	20.142		
9,800.00	7,065.16	7,105.16	7,105.16	90.09	246.32	89.56	1,472.08	-7,066.87	5,634.87	5,349.61	285.26	19.753		
9,900.00	7,065.39	7,105.39	7,105.39	92.73	246.33	89.57	1,472.08	-7,066.87	5,539.23	5,253.17	286.07	19.363		
10,000.00	7,065.62	7,105.62	7,105.62	95.38	246.33	89.58	1,472.08	-7,066.87	5,443.75	5,156.83	286.92	18.973		
10,100.00	7,065.85	7,105.85	7,105.85	98.04	246.34	89.59	1,472.08	-7,066.87	5,348.44	5,060.60	287.83	18.582		
10,200.00	7,066.08	7,106.08	7,106.08	100.71	246.35	89.60	1,472.08	-7,066.87	5,253.30	4,964.49	288.80	18.190		
10,300.00	7,066.31	7,106.31	7,106.31	103.39	246.36	89.60	1,472.08	-7,066.87	5,158.34	4,868.51	289.83	17.798		
10,400.00	7,066.54	7,106.54	7,106.54	106.08	246.37	89.61	1,472.08	-7,066.87	5,063.57	4,772.66	290.92	17.406		
10,500.00	7,066.77	7,106.77	7,106.77	108.78	246.37	89.62	1,472.08	-7,066.87	4,969.02	4,676.94	292.07	17.013		
10,600.00	7,067.01	7,107.01	7,107.01	111.48	246.38	89.63	1,472.08	-7,066.87	4,874.67	4,581.38	293.30	16.620		
10,700.00	7,067.24	7,107.24	7,107.24	114.20	246.39	89.64	1,472.08	-7,066.87	4,780.56	4,485.97	294.59	16.228		
10,800.00	7,067.47	7,107.47	7,107.47	116.92	246.40	89.64	1,472.08	-7,066.87	4,686.70	4,390.74	295.96	15.836		
10,900.00	7,067.70	7,107.70	7,107.70	119.65	246.41	89.65	1,472.08	-7,066.87	4,593.09	4,295.68	297.40	15.444		
11,000.00	7,067.93	7,107.93	7,107.93	122.38	246.41	89.66	1,472.08	-7,066.87	4,499.75	4,200.82	298.93	15.053		
11,100.00	7,068.16	7,108.16	7,108.16	125.12	246.42	89.67	1,472.08	-7,066.87	4,406.71	4,106.17	300.55	14.662		
11,200.00	7,068.39	7,108.39	7,108.39	127.86	246.43	89.68	1,472.08	-7,066.87	4,313.98	4,011.73	302.25	14.273		
11,300.00	7,068.62	7,108.62	7,108.62	130.61	246.44	89.68	1,472.08	-7,066.87	4,221.59	3,917.53	304.05	13.884		
11,400.00	7,068.85	7,108.85	7,108.85	133.37	246.45	89.69	1,472.08	-7,066.87	4,129.54	3,823.59	305.95	13.497		
11,500.00	7,069.08	7,109.08	7,109.08	136.12	246.45	89.70	1,472.08	-7,066.87	4,037.88	3,729.92	307.96	13.112		
11,600.00	7,069.31	7,109.31	7,109.31	138.89	246.46	89.71	1,472.08	-7,066.87	3,946.62	3,636.55	310.07	12.728		
11,700.00	7,069.54	7,109.54	7,109.54	141.65	246.47	89.72	1,472.08	-7,066.87	3,855.79	3,543.49	312.30	12.346		
11,800.00	7,069.77	7,109.77	7,109.77	144.42	246.48	89.73	1,472.08	-7,066.87	3,765.43	3,450.77	314.66	11.967		
11,900.00	7,070.00	7,110.00	7,110.00	147.19	246.49	89.73	1,472.08	-7,066.87	3,675.57	3,358.43	317.14	11.590		
12,000.00	7,070.23	7,110.23	7,110.23	149.97	246.50	89.74	1,472.08	-7,066.87	3,586.24	3,266.48	319.76	11.215		
12,100.00	7,070.46	7,110.46	7,110.46	152.75	246.50	89.75	1,472.08	-7,066.87	3,497.49	3,174.97	322.52	10.844		
12,200.00	7,070.69	7,110.69	7,110.69	155.53	246.51	89.76	1,472.08	-7,066.87	3,409.37	3,083.93	325.44	10.476		
12,300.00	7,070.92	7,110.92	7,110.92	158.32	246.52	89.77	1,472.08	-7,066.87	3,321.92	2,993.41	328.51	10.112		
12,400.00	7,071.16	7,111.16	7,111.16	161.10	246.53	89.77	1,472.08	-7,066.87	3,235.19	2,903.44	331.76	9.752		
12,500.00	7,071.39	7,111.39	7,111.39	163.89	246.54	89.78	1,472.08	-7,066.87	3,149.25	2,814.08	335.18	9.396		
12,600.00	7,071.62	7,111.62	7,111.62	166.69	246.54	89.79	1,472.08	-7,066.87	3,064.17	2,725.38	338.79	9.044		
12,700.00	7,071.85	7,111.85	7,111.85	169.48	246.55	89.80	1,472.08	-7,066.87	2,980.01	2,637.41	342.60	8.698		
12,800.00	7,072.08	7,112.08	7,112.08	172.28	246.56	89.81	1,472.08	-7,066.87	2,896.86	2,550.24	346.62	8.358		
12,900.00	7,072.31	7,112.31	7,112.31	175.08	246.57	89.81	1,472.08	-7,066.87	2,814.81	2,463.96	350.85	8.023		
13,000.00	7,072.54	7,112.54	7,112.54	177.88	246.58	89.82	1,472.08	-7,066.87	2,733.95	2,378.63	355.31	7.694		
13,100.00	7,072.77	7,112.77	7,112.77	180.68	246.58	89.83	1,472.08	-7,066.87	2,654.39	2,294.38	360.01	7.373		
13,200.00	7,073.00	7,113.00	7,113.00	183.48	246.59	89.84	1,472.08	-7,066.87	2,576.26	2,211.30	364.96	7.059		
13,300.00	7,073.23	7,113.23	7,113.23	186.29	246.60	89.85	1,472.08	-7,066.87	2,499.69	2,129.53	370.16	6.753		
13,400.00	7,073.46	7,113.46	7,113.46	189.09	246.61	89.85	1,472.08	-7,066.87	2,424.83	2,049.21	375.62	6.456		
13,500.00	7,073.69	7,113.69	7,113.69	191.90	246.62	89.86	1,472.08	-7,066.87	2,351.84	1,970.50	381.34	6.167		
13,600.00	7,073.92	7,113.92	7,113.92	194.71	246.62	89.87	1,472.08	-7,066.87	2,280.89	1,893.57	387.32	5.889		
13,700.00	7,074.15	7,114.15	7,114.15	197.52	246.63	89.88	1,472.08	-7,066.87	2,212.19	1,818.64	393.55	5.621		
13,800.00	7,074.38	7,114.38	7,114.38	200.34	246.64	89.89	1,472.08	-7,066.87	2,145.96	1,745.93	400.03	5.364		
13,900.00	7,074.61	7,114.61	7,114.61	203.15	246.65	89.90	1,472.08	-7,066.87	2,082.42	1,675.68	406.73	5.120		
14,000.00	7,074.84	7,114.84	7,114.84	205.97	246.66	89.90	1,472.08	-7,066.87	2,021.83	1,608.19	413.64	4.888		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,075.07	7,115.07	7,115.07	208.78	246.66	89.91	1,472.08	-7,066.87	1,964.46	1,543.76	420.70	4.669		
14,200.00	7,075.30	7,115.30	7,115.30	211.60	246.67	89.92	1,472.08	-7,066.87	1,910.62	1,482.74	427.88	4.465		
14,300.00	7,075.54	7,115.54	7,115.54	214.42	246.68	89.93	1,472.08	-7,066.87	1,860.59	1,425.48	435.10	4.276		
14,400.00	7,075.77	7,115.77	7,115.77	217.24	246.69	89.94	1,472.08	-7,066.87	1,814.69	1,372.39	442.30	4.103		
14,500.00	7,076.00	7,116.00	7,116.00	220.06	246.70	89.94	1,472.08	-7,066.87	1,773.26	1,323.88	449.38	3.946		
14,600.00	7,076.23	7,116.23	7,116.23	222.88	246.70	89.95	1,472.08	-7,066.87	1,736.60	1,280.35	456.24	3.806		
14,700.00	7,076.46	7,116.46	7,116.46	225.70	246.71	89.96	1,472.08	-7,066.87	1,705.02	1,242.25	462.78	3.684		
14,800.00	7,076.69	7,116.69	7,116.69	228.53	246.72	89.97	1,472.08	-7,066.87	1,678.82	1,209.96	468.86	3.581		
14,900.00	7,076.92	7,116.92	7,116.92	231.35	246.73	89.98	1,472.08	-7,066.87	1,658.24	1,183.86	474.39	3.496		
15,000.00	7,077.15	7,117.15	7,117.15	234.18	246.74	89.98	1,472.08	-7,066.87	1,643.50	1,164.26	479.24	3.429		
15,100.00	7,077.38	7,117.38	7,117.38	237.00	246.74	89.99	1,472.08	-7,066.87	1,634.76	1,151.43	483.33	3.382		
15,193.35	7,077.60	7,117.60	7,117.60	239.64	246.75	90.00	1,472.08	-7,066.87	1,632.09	1,145.70	486.39	3.355 CC		
15,200.00	7,077.61	7,117.61	7,117.61	239.83	246.75	90.00	1,472.08	-7,066.87	1,632.10	1,145.52	486.58	3.354 ES		
15,300.00	7,077.84	7,117.84	7,117.84	242.66	246.76	90.01	1,472.08	-7,066.87	1,635.57	1,146.61	488.96	3.345 SF		
15,400.00	7,078.07	7,118.07	7,118.07	245.49	246.77	90.02	1,472.08	-7,066.87	1,645.12	1,154.69	490.43	3.354		
15,500.00	7,078.30	7,118.30	7,118.30	248.31	246.78	90.02	1,472.08	-7,066.87	1,660.65	1,169.62	491.03	3.382		
15,600.00	7,078.53	7,118.53	7,118.53	251.14	246.78	90.03	1,472.08	-7,066.87	1,681.99	1,191.20	490.78	3.427		
15,700.00	7,078.76	7,118.76	7,118.76	253.97	246.79	90.04	1,472.08	-7,066.87	1,708.92	1,219.16	489.76	3.489		
15,800.00	7,078.99	7,118.99	7,118.99	256.80	246.80	90.05	1,472.08	-7,066.87	1,741.19	1,253.14	488.05	3.568		
15,900.00	7,079.22	7,119.22	7,119.22	259.64	246.81	90.06	1,472.08	-7,066.87	1,778.50	1,292.77	485.73	3.661		
16,000.00	7,079.45	7,119.45	7,119.45	262.47	246.82	90.07	1,472.08	-7,066.87	1,820.55	1,337.64	482.91	3.770		
16,100.00	7,079.69	7,119.69	7,119.69	265.30	246.82	90.07	1,472.08	-7,066.87	1,867.01	1,387.33	479.68	3.892		
16,200.00	7,079.92	7,119.92	7,119.92	268.13	246.83	90.08	1,472.08	-7,066.87	1,917.57	1,441.44	476.13	4.027		
16,300.00	7,080.15	7,120.15	7,120.15	270.97	246.84	90.09	1,472.08	-7,066.87	1,971.90	1,499.56	472.34	4.175		
16,400.00	7,080.38	7,120.38	7,120.38	273.80	246.85	90.10	1,472.08	-7,066.87	2,029.71	1,561.32	468.39	4.333		
16,500.00	7,080.61	7,120.61	7,120.61	276.64	246.86	90.11	1,472.08	-7,066.87	2,090.70	1,626.37	464.33	4.503		
16,600.00	7,080.84	7,120.84	7,120.84	279.47	246.87	90.11	1,472.08	-7,066.87	2,154.62	1,694.39	460.23	4.682		
16,700.00	7,081.07	7,121.07	7,121.07	282.31	246.87	90.12	1,472.08	-7,066.87	2,221.19	1,765.07	456.13	4.870		
16,800.00	7,081.30	7,121.30	7,121.30	285.14	246.88	90.13	1,472.08	-7,066.87	2,290.20	1,838.15	452.05	5.066		
16,900.00	7,081.53	7,121.53	7,121.53	287.98	246.89	90.14	1,472.08	-7,066.87	2,361.43	1,913.39	448.04	5.271		
17,000.00	7,081.76	7,121.76	7,121.76	290.82	246.90	90.15	1,472.08	-7,066.87	2,434.68	1,990.58	444.10	5.482		
17,100.00	7,081.99	7,121.99	7,121.99	293.65	246.91	90.15	1,472.08	-7,066.87	2,509.78	2,069.52	440.27	5.701		
17,200.00	7,082.22	7,122.22	7,122.22	296.49	246.91	90.16	1,472.08	-7,066.87	2,586.57	2,150.03	436.54	5.925		
17,300.00	7,082.45	7,122.45	7,122.45	299.33	246.92	90.17	1,472.08	-7,066.87	2,664.90	2,231.97	432.93	6.156		
17,400.00	7,082.68	7,122.68	7,122.68	302.17	246.93	90.18	1,472.08	-7,066.87	2,744.63	2,315.20	429.44	6.391		
17,500.00	7,082.91	7,122.91	7,122.91	305.01	246.94	90.19	1,472.08	-7,066.87	2,825.66	2,399.59	426.07	6.632		
17,600.00	7,083.14	7,123.14	7,123.14	307.85	246.95	90.19	1,472.08	-7,066.87	2,907.86	2,485.04	422.83	6.877		
17,700.00	7,083.37	7,123.37	7,123.37	310.69	246.95	90.20	1,472.08	-7,066.87	2,991.15	2,571.45	419.71	7.127		
17,800.00	7,083.60	7,123.60	7,123.60	313.53	246.96	90.21	1,472.08	-7,066.87	3,075.44	2,658.73	416.71	7.380		
17,900.00	7,083.84	7,123.84	7,123.84	316.37	246.97	90.22	1,472.08	-7,066.87	3,160.64	2,746.81	413.83	7.638		
18,000.00	7,084.07	7,124.07	7,124.07	319.21	246.98	90.23	1,472.08	-7,066.87	3,246.69	2,835.62	411.06	7.898		
18,100.00	7,084.30	7,124.30	7,124.30	322.05	246.99	90.24	1,472.08	-7,066.87	3,333.51	2,925.10	408.41	8.162		
18,200.00	7,084.53	7,124.53	7,124.53	324.89	246.99	90.24	1,472.08	-7,066.87	3,421.06	3,015.19	405.87	8.429		
18,300.00	7,084.76	7,124.76	7,124.76	327.73	247.00	90.25	1,472.08	-7,066.87	3,509.27	3,105.84	403.43	8.699		
18,400.00	7,084.99	7,124.99	7,124.99	330.57	247.01	90.26	1,472.08	-7,066.87	3,598.09	3,197.01	401.08	8.971		
18,500.00	7,085.22	7,125.22	7,125.22	333.41	247.02	90.27	1,472.08	-7,066.87	3,687.49	3,288.66	398.84	9.246		
18,600.00	7,085.45	7,125.45	7,125.45	336.26	247.03	90.28	1,472.08	-7,066.87	3,777.42	3,380.74	396.68	9.523		
18,700.00	7,085.68	7,125.68	7,125.68	339.10	247.03	90.28	1,472.08	-7,066.87	3,867.85	3,473.23	394.61	9.802		
18,800.00	7,085.91	7,125.91	7,125.91	341.94	247.04	90.29	1,472.08	-7,066.87	3,958.73	3,566.11	392.63	10.083		
18,839.14	7,086.00	7,126.00	7,126.00	343.06	247.05	90.30	1,472.08	-7,066.87	3,994.43	3,602.55	391.87	10.193		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-77.41	1,278.66	-5,723.78	5,864.87					
100.00	100.00	130.00	130.00	3.28	4.31	-77.41	1,278.66	-5,723.78	5,864.87	5,857.27	7.59	772.444		
200.00	200.00	230.00	230.00	3.34	7.09	-77.41	1,278.66	-5,723.78	5,864.87	5,854.44	10.43	562.557		
300.00	300.00	330.00	330.00	3.44	10.31	-77.41	1,278.66	-5,723.78	5,864.87	5,851.11	13.76	426.370		
400.00	399.98	429.98	429.98	3.60	13.66	-172.91	1,278.66	-5,723.78	5,866.60	5,849.33	17.26	339.814		
500.00	499.84	529.84	529.84	3.80	17.07	-172.91	1,278.66	-5,723.78	5,871.79	5,850.93	20.87	281.392		
600.00	599.45	629.45	629.45	4.04	20.49	-172.90	1,278.66	-5,723.78	5,880.44	5,855.91	24.53	239.730		
700.00	698.70	728.70	728.70	4.31	23.92	-172.88	1,278.66	-5,723.78	5,892.53	5,864.31	28.23	208.737		
800.00	797.47	827.47	827.47	4.62	27.34	-172.86	1,278.66	-5,723.78	5,908.06	5,876.11	31.95	184.907		
900.00	895.62	925.62	925.62	4.97	30.74	-172.84	1,278.66	-5,723.78	5,927.00	5,891.31	35.68	166.096		
980.89	974.49	1,004.49	1,004.49	5.27	33.48	-172.81	1,278.66	-5,723.78	5,944.79	5,906.09	38.71	153.592		
1,000.00	993.07	1,023.07	1,023.07	5.34	34.13	-172.82	1,278.66	-5,723.78	5,949.26	5,909.84	39.42	150.914		
1,100.00	1,090.26	1,120.26	1,120.26	5.75	37.51	-172.85	1,278.66	-5,723.78	5,972.63	5,929.48	43.16	138.396		
1,200.00	1,187.45	1,217.45	1,217.45	6.17	40.89	-172.87	1,278.66	-5,723.78	5,996.00	5,949.09	46.91	127.822		
1,300.00	1,284.64	1,314.64	1,314.64	6.62	44.27	-172.90	1,278.66	-5,723.78	6,019.38	5,968.70	50.68	118.780		
1,400.00	1,381.83	1,411.83	1,411.83	7.07	47.65	-172.93	1,278.66	-5,723.78	6,042.75	5,988.29	54.46	110.964		
1,500.00	1,479.01	1,509.01	1,509.01	7.54	51.04	-172.96	1,278.66	-5,723.78	6,066.13	6,007.88	58.25	104.145		
1,600.00	1,576.20	1,606.20	1,606.20	8.02	54.43	-172.98	1,278.66	-5,723.78	6,089.50	6,027.46	62.05	98.145		
1,700.00	1,673.39	1,703.39	1,703.39	8.50	57.81	-173.01	1,278.66	-5,723.78	6,112.88	6,047.03	65.85	92.828		
1,800.00	1,770.58	1,800.58	1,800.58	8.99	61.20	-173.04	1,278.66	-5,723.78	6,136.26	6,066.60	69.66	88.084		
1,900.00	1,867.77	1,902.23	1,897.77	9.48	64.74	-173.06	1,278.66	-5,723.78	6,159.64	6,086.01	73.64	83.649		
2,000.00	1,964.96	2,005.04	1,994.96	9.98	68.33	-173.09	1,278.66	-5,723.78	6,183.02	6,105.37	77.65	79.622		
2,100.00	2,062.15	2,107.85	2,092.15	10.49	71.91	-173.12	1,278.66	-5,723.78	6,206.41	6,124.73	81.68	75.988		
2,200.00	2,159.34	2,189.34	2,189.34	10.99	74.76	-173.14	1,278.66	-5,723.78	6,229.79	6,144.83	84.96	73.328		
2,300.00	2,256.53	2,286.53	2,286.53	11.50	78.15	-173.17	1,278.66	-5,723.78	6,253.18	6,164.39	88.79	70.427		
2,400.00	2,353.71	2,383.71	2,383.71	12.01	81.54	-173.19	1,278.66	-5,723.78	6,276.56	6,183.94	92.62	67.763		
2,500.00	2,450.90	2,480.90	2,480.90	12.53	84.93	-173.22	1,278.66	-5,723.78	6,299.95	6,203.49	96.46	65.310		
2,600.00	2,548.09	2,578.09	2,578.09	13.04	88.32	-173.24	1,278.66	-5,723.78	6,323.34	6,223.04	100.30	63.044		
2,700.00	2,645.28	2,675.28	2,675.28	13.56	91.71	-173.27	1,278.66	-5,723.78	6,346.73	6,242.59	104.14	60.943		
2,800.00	2,742.47	2,772.47	2,772.47	14.08	95.10	-173.29	1,278.66	-5,723.78	6,370.12	6,262.14	107.98	58.991		
2,900.00	2,839.66	2,869.66	2,869.66	14.60	98.49	-173.32	1,278.66	-5,723.78	6,393.52	6,281.69	111.83	57.173		
3,000.00	2,936.85	2,966.85	2,966.85	15.12	101.88	-173.34	1,278.66	-5,723.78	6,416.91	6,301.24	115.67	55.474		
3,100.00	3,034.04	3,064.04	3,064.04	15.65	105.27	-173.37	1,278.66	-5,723.78	6,440.30	6,320.78	119.52	53.885		
3,200.00	3,131.22	3,161.22	3,161.22	16.17	108.66	-173.39	1,278.66	-5,723.78	6,463.70	6,340.33	123.37	52.394		
3,300.00	3,228.41	3,258.41	3,258.41	16.69	112.05	-173.42	1,278.66	-5,723.78	6,487.10	6,359.88	127.22	50.993		
3,400.00	3,325.60	3,355.60	3,355.60	17.22	115.45	-173.44	1,278.66	-5,723.78	6,510.50	6,379.43	131.07	49.674		
3,500.00	3,422.79	3,452.79	3,452.79	17.75	118.84	-173.46	1,278.66	-5,723.78	6,533.89	6,398.98	134.92	48.429		
3,600.00	3,519.98	3,549.98	3,549.98	18.27	122.23	-173.49	1,278.66	-5,723.78	6,557.29	6,418.53	138.77	47.254		
3,700.00	3,617.17	3,647.17	3,647.17	18.80	125.62	-173.51	1,278.66	-5,723.78	6,580.70	6,438.08	142.62	46.142		
3,800.00	3,714.36	3,744.36	3,744.36	19.33	129.01	-173.53	1,278.66	-5,723.78	6,604.10	6,457.63	146.47	45.088		
3,900.00	3,811.55	3,841.55	3,841.55	19.86	132.40	-173.56	1,278.66	-5,723.78	6,627.50	6,477.18	150.32	44.088		
4,000.00	3,908.74	3,938.74	3,938.74	20.39	135.80	-173.58	1,278.66	-5,723.78	6,650.90	6,496.73	154.18	43.138		
4,100.00	4,005.92	4,035.92	4,035.92	20.92	139.19	-173.60	1,278.66	-5,723.78	6,674.31	6,516.28	158.03	42.234		
4,200.00	4,103.11	4,133.11	4,133.11	21.45	142.58	-173.62	1,278.66	-5,723.78	6,697.72	6,535.83	161.89	41.373		
4,300.00	4,200.30	4,230.30	4,230.30	21.98	145.97	-173.65	1,278.66	-5,723.78	6,721.12	6,555.38	165.74	40.552		
4,400.00	4,297.49	4,327.49	4,327.49	22.51	149.36	-173.67	1,278.66	-5,723.78	6,744.53	6,574.93	169.60	39.768		
4,500.00	4,394.68	4,424.68	4,424.68	23.04	152.76	-173.69	1,278.66	-5,723.78	6,767.94	6,594.49	173.45	39.019		
4,600.00	4,491.87	4,521.87	4,521.87	23.57	156.15	-173.71	1,278.66	-5,723.78	6,791.35	6,614.04	177.31	38.302		
4,700.00	4,589.06	4,619.06	4,619.06	24.10	159.54	-173.73	1,278.66	-5,723.78	6,814.76	6,633.60	181.17	37.616		
4,800.00	4,686.25	4,716.25	4,716.25	24.64	162.93	-173.75	1,278.66	-5,723.78	6,838.17	6,653.15	185.02	36.959		
4,900.00	4,783.43	4,813.43	4,813.43	25.17	166.32	-173.78	1,278.66	-5,723.78	6,861.59	6,672.71	188.88	36.328		
5,000.00	4,880.62	4,910.62	4,910.62	25.70	169.72	-173.80	1,278.66	-5,723.78	6,885.00	6,692.26	192.74	35.722		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,007.81	5,007.81	26.23	173.11	-173.82	1,278.66	-5,723.78	6,908.41	6,711.82	196.60	35.140		
5,200.00	5,075.00	5,105.00	5,105.00	26.77	176.50	-173.84	1,278.66	-5,723.78	6,931.83	6,731.38	200.45	34.581		
5,300.00	5,172.19	5,202.19	5,202.19	27.30	179.89	-173.86	1,278.66	-5,723.78	6,955.24	6,750.93	204.31	34.042		
5,400.00	5,269.38	5,300.62	5,299.38	27.83	183.33	-173.88	1,278.66	-5,723.78	6,978.66	6,770.45	208.21	33.517		
5,457.75	5,325.51	5,355.51	5,355.51	28.14	185.24	-173.89	1,278.66	-5,723.78	6,992.19	6,781.79	210.40	33.233		
5,500.00	5,366.64	5,403.36	5,396.64	28.37	186.91	-173.92	1,278.66	-5,723.78	7,001.78	6,789.51	212.27	32.986		
5,600.00	5,464.53	5,505.47	5,494.53	28.87	190.48	-173.98	1,278.66	-5,723.78	7,022.07	6,805.78	216.29	32.466		
5,700.00	5,563.07	5,606.93	5,593.07	29.35	194.02	-174.03	1,278.66	-5,723.78	7,038.95	6,818.68	220.28	31.955		
5,800.00	5,662.15	5,707.85	5,692.15	29.80	197.54	-174.07	1,278.66	-5,723.78	7,052.41	6,828.17	224.24	31.450		
5,900.00	5,761.64	5,808.36	5,791.64	30.23	201.05	-174.10	1,278.66	-5,723.78	7,062.41	6,834.23	228.18	30.951		
6,000.00	5,861.42	5,908.58	5,891.42	30.64	204.55	-174.12	1,278.66	-5,723.78	7,068.96	6,836.86	232.09	30.457		
6,100.00	5,961.36	6,008.64	5,991.36	31.02	208.04	-174.13	1,278.66	-5,723.78	7,072.03	6,836.04	235.99	29.967		
6,138.64	6,000.00	6,030.00	6,030.00	31.16	208.79	-78.62	1,278.66	-5,723.78	7,072.29	6,835.40	236.89	29.855		
6,200.00	6,061.36	6,108.64	6,091.36	31.38	211.53	-78.62	1,278.66	-5,723.78	7,072.29	6,832.43	239.87	29.484		
6,300.00	6,161.36	6,208.64	6,191.36	31.74	215.02	-78.62	1,278.66	-5,723.78	7,072.29	6,828.56	243.73	29.016		
6,400.00	6,261.36	6,308.64	6,291.36	32.10	218.51	-78.62	1,278.66	-5,723.78	7,072.29	6,824.69	247.61	28.563		
6,500.00	6,361.36	6,408.64	6,391.36	32.46	222.00	-78.62	1,278.66	-5,723.78	7,072.29	6,820.82	251.48	28.123		
6,562.02	6,423.38	6,453.38	6,453.38	32.68	223.57	-78.62	1,278.66	-5,723.78	7,072.29	6,819.02	253.28	27.923		
6,600.00	6,461.34	6,508.66	6,491.34	32.82	225.50	11.70	1,278.66	-5,723.78	7,071.18	6,815.84	255.34	27.693		
6,650.00	6,511.08	6,541.08	6,541.08	32.99	226.63	11.80	1,278.66	-5,723.78	7,066.35	6,809.71	256.64	27.534		
6,700.00	6,560.29	6,609.72	6,590.29	33.17	229.02	11.98	1,278.66	-5,723.78	7,057.71	6,798.52	259.19	27.230		
6,750.00	6,608.64	6,638.64	6,638.64	33.36	230.03	12.24	1,278.66	-5,723.78	7,045.31	6,784.98	260.33	27.063		
6,800.00	6,655.86	6,685.86	6,685.86	33.56	231.68	12.60	1,278.66	-5,723.78	7,029.24	6,767.15	262.09	26.820		
6,850.00	6,701.64	6,731.64	6,731.64	33.78	233.28	13.06	1,278.66	-5,723.78	7,009.60	6,745.81	263.79	26.573		
6,900.00	6,745.71	6,775.71	6,775.71	34.01	234.82	13.65	1,278.66	-5,723.78	6,986.50	6,721.09	265.41	26.323		
6,950.00	6,787.79	6,817.79	6,817.79	34.27	236.29	14.38	1,278.66	-5,723.78	6,960.09	6,693.14	266.95	26.073		
7,000.00	6,827.62	6,857.62	6,857.62	34.56	237.68	15.28	1,278.66	-5,723.78	6,930.54	6,662.15	268.39	25.822		
7,050.00	6,864.96	6,905.04	6,894.96	34.87	239.33	16.41	1,278.66	-5,723.78	6,898.03	6,627.94	270.09	25.540		
7,100.00	6,899.58	6,929.58	6,929.58	35.21	240.19	17.82	1,278.66	-5,723.78	6,862.76	6,591.78	270.98	25.326		
7,150.00	6,931.26	6,961.26	6,961.26	35.60	241.29	19.59	1,278.66	-5,723.78	6,824.95	6,552.85	272.10	25.082		
7,200.00	6,959.81	6,989.81	6,989.81	36.02	242.29	21.84	1,278.66	-5,723.78	6,784.84	6,511.72	273.11	24.842		
7,250.00	6,985.06	7,015.06	7,015.06	36.47	243.17	24.78	1,278.66	-5,723.78	6,742.67	6,468.66	274.01	24.608		
7,300.00	7,006.84	7,036.84	7,036.84	36.97	243.93	28.67	1,278.66	-5,723.78	6,698.71	6,423.93	274.78	24.379		
7,350.00	7,025.02	7,055.02	7,055.02	37.51	244.57	33.98	1,278.66	-5,723.78	6,653.23	6,377.81	275.42	24.157		
7,400.00	7,039.49	7,069.49	7,069.49	38.09	245.07	41.40	1,278.66	-5,723.78	6,606.51	6,330.57	275.94	23.942		
7,450.00	7,050.17	7,080.17	7,080.17	38.70	245.45	51.95	1,278.66	-5,723.78	6,558.85	6,282.52	276.33	23.736		
7,500.00	7,056.98	7,086.98	7,086.98	39.33	245.68	66.66	1,278.66	-5,723.78	6,510.53	6,233.94	276.59	23.538		
7,550.00	7,059.89	7,089.89	7,089.89	39.99	245.78	85.25	1,278.66	-5,723.78	6,461.86	6,185.13	276.73	23.351		
7,560.55	7,060.00	7,090.00	7,090.00	40.13	245.79	89.42	1,278.66	-5,723.78	6,451.57	6,174.83	276.74	23.313		
7,600.00	7,060.09	7,109.91	7,090.09	40.67	246.48	89.42	1,278.66	-5,723.78	6,413.11	6,135.64	277.47	23.113		
7,700.00	7,060.32	7,109.68	7,090.32	42.14	246.48	89.43	1,278.66	-5,723.78	6,315.67	6,038.11	277.57	22.754		
7,800.00	7,060.55	7,109.45	7,090.55	43.75	246.47	89.44	1,278.66	-5,723.78	6,218.32	5,940.64	277.68	22.394		
7,900.00	7,060.78	7,109.22	7,090.78	45.48	246.46	89.45	1,278.66	-5,723.78	6,121.05	5,843.23	277.82	22.032		
8,000.00	7,061.01	7,108.99	7,091.01	47.33	246.45	89.46	1,278.66	-5,723.78	6,023.87	5,745.88	277.98	21.670		
8,100.00	7,061.24	7,108.76	7,091.24	49.27	246.44	89.47	1,278.66	-5,723.78	5,926.78	5,648.61	278.17	21.306		
8,200.00	7,061.47	7,108.53	7,091.47	51.29	246.44	89.48	1,278.66	-5,723.78	5,829.79	5,551.40	278.39	20.941		
8,300.00	7,061.70	7,108.30	7,091.70	53.40	246.43	89.49	1,278.66	-5,723.78	5,732.91	5,454.27	278.64	20.575		
8,400.00	7,061.93	7,108.07	7,091.93	55.57	246.42	89.50	1,278.66	-5,723.78	5,636.13	5,357.21	278.92	20.207		
8,500.00	7,062.16	7,107.84	7,092.16	57.80	246.41	89.51	1,278.66	-5,723.78	5,539.47	5,260.24	279.23	19.838		
8,600.00	7,062.39	7,107.61	7,092.39	60.08	246.40	89.52	1,278.66	-5,723.78	5,442.93	5,163.35	279.58	19.468		
8,700.00	7,062.63	7,107.38	7,092.63	62.42	246.40	89.52	1,278.66	-5,723.78	5,346.51	5,066.55	279.97	19.097		
8,800.00	7,062.86	7,107.14	7,092.86	64.79	246.39	89.53	1,278.66	-5,723.78	5,250.23	4,969.84	280.40	18.724		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,106.91	7,093.09	67.20	246.38	89.54	1,278.66	-5,723.78	5,154.10	4,873.22	280.87	18.350		
9,000.00	7,063.32	7,106.68	7,093.32	69.65	246.37	89.55	1,278.66	-5,723.78	5,058.11	4,776.72	281.39	17.975		
9,100.00	7,063.55	7,106.45	7,093.55	72.12	246.36	89.56	1,278.66	-5,723.78	4,962.28	4,680.32	281.96	17.599		
9,200.00	7,063.78	7,106.22	7,093.78	74.63	246.36	89.57	1,278.66	-5,723.78	4,866.62	4,584.03	282.58	17.222		
9,300.00	7,064.01	7,105.99	7,094.01	77.16	246.35	89.58	1,278.66	-5,723.78	4,771.13	4,487.87	283.26	16.844		
9,400.00	7,064.24	7,105.76	7,094.24	79.71	246.34	89.59	1,278.66	-5,723.78	4,675.84	4,391.84	284.00	16.464		
9,500.00	7,064.47	7,105.53	7,094.47	82.28	246.33	89.60	1,278.66	-5,723.78	4,580.74	4,295.95	284.79	16.084		
9,600.00	7,064.70	7,105.30	7,094.70	84.87	246.32	89.61	1,278.66	-5,723.78	4,485.86	4,200.20	285.66	15.704		
9,700.00	7,064.93	7,105.07	7,094.93	87.47	246.31	89.62	1,278.66	-5,723.78	4,391.21	4,104.62	286.59	15.322		
9,800.00	7,065.16	7,104.84	7,095.16	90.09	246.31	89.63	1,278.66	-5,723.78	4,296.79	4,009.20	287.59	14.941		
9,900.00	7,065.39	7,104.61	7,095.39	92.73	246.30	89.64	1,278.66	-5,723.78	4,202.64	3,913.96	288.68	14.558		
10,000.00	7,065.62	7,104.38	7,095.62	95.38	246.29	89.64	1,278.66	-5,723.78	4,108.76	3,818.92	289.84	14.176		
10,100.00	7,065.85	7,104.15	7,095.85	98.04	246.28	89.65	1,278.66	-5,723.78	4,015.18	3,724.09	291.09	13.794		
10,200.00	7,066.08	7,103.92	7,096.08	100.71	246.27	89.66	1,278.66	-5,723.78	3,921.91	3,629.48	292.43	13.411		
10,300.00	7,066.31	7,103.69	7,096.31	103.39	246.27	89.67	1,278.66	-5,723.78	3,828.99	3,535.11	293.88	13.029		
10,400.00	7,066.54	7,103.46	7,096.54	106.08	246.26	89.68	1,278.66	-5,723.78	3,736.43	3,441.01	295.42	12.648		
10,500.00	7,066.77	7,103.23	7,096.77	108.78	246.25	89.69	1,278.66	-5,723.78	3,644.26	3,347.19	297.07	12.267		
10,600.00	7,067.01	7,102.99	7,097.01	111.48	246.24	89.70	1,278.66	-5,723.78	3,552.52	3,253.68	298.84	11.888		
10,700.00	7,067.24	7,102.76	7,097.24	114.20	246.23	89.71	1,278.66	-5,723.78	3,461.23	3,160.50	300.73	11.509		
10,800.00	7,067.47	7,102.53	7,097.47	116.92	246.23	89.72	1,278.66	-5,723.78	3,370.44	3,067.69	302.75	11.133		
10,900.00	7,067.70	7,102.30	7,097.70	119.65	246.22	89.73	1,278.66	-5,723.78	3,280.19	2,975.28	304.91	10.758		
11,000.00	7,067.93	7,102.07	7,097.93	122.38	246.21	89.74	1,278.66	-5,723.78	3,190.51	2,883.30	307.21	10.385		
11,100.00	7,068.16	7,101.84	7,098.16	125.12	246.20	89.75	1,278.66	-5,723.78	3,101.47	2,791.79	309.68	10.015		
11,200.00	7,068.39	7,101.61	7,098.39	127.86	246.19	89.76	1,278.66	-5,723.78	3,013.12	2,700.81	312.30	9.648		
11,300.00	7,068.62	7,101.38	7,098.62	130.61	246.19	89.76	1,278.66	-5,723.78	2,925.51	2,610.40	315.11	9.284		
11,400.00	7,068.85	7,101.15	7,098.85	133.37	246.18	89.77	1,278.66	-5,723.78	2,838.72	2,520.62	318.10	8.924		
11,500.00	7,069.08	7,100.92	7,099.08	136.12	246.17	89.78	1,278.66	-5,723.78	2,752.83	2,431.54	321.29	8.568		
11,600.00	7,069.31	7,100.69	7,099.31	138.89	246.16	89.79	1,278.66	-5,723.78	2,667.93	2,343.24	324.69	8.217		
11,700.00	7,069.54	7,100.46	7,099.54	141.65	246.15	89.80	1,278.66	-5,723.78	2,584.10	2,255.78	328.32	7.871		
11,800.00	7,069.77	7,100.23	7,099.77	144.42	246.15	89.81	1,278.66	-5,723.78	2,501.47	2,169.28	332.18	7.530		
11,900.00	7,070.00	7,100.00	7,100.00	147.19	246.14	89.82	1,278.66	-5,723.78	2,420.14	2,083.84	336.29	7.196		
12,000.00	7,070.23	7,100.23	7,100.23	149.97	246.15	89.83	1,278.66	-5,723.78	2,340.26	1,999.58	340.69	6.869		
12,100.00	7,070.46	7,100.46	7,100.46	152.75	246.15	89.84	1,278.66	-5,723.78	2,261.98	1,916.63	345.35	6.550		
12,200.00	7,070.69	7,100.69	7,100.69	155.53	246.16	89.85	1,278.66	-5,723.78	2,185.48	1,835.18	350.29	6.239		
12,300.00	7,070.92	7,100.92	7,100.92	158.32	246.17	89.86	1,278.66	-5,723.78	2,110.94	1,755.41	355.53	5.937		
12,400.00	7,071.16	7,101.16	7,101.16	161.10	246.18	89.87	1,278.66	-5,723.78	2,038.58	1,677.52	361.06	5.646		
12,500.00	7,071.39	7,101.39	7,101.39	163.89	246.19	89.88	1,278.66	-5,723.78	1,968.64	1,601.76	366.88	5.366		
12,600.00	7,071.62	7,101.62	7,101.62	166.69	246.19	89.88	1,278.66	-5,723.78	1,901.39	1,528.41	372.98	5.098		
12,700.00	7,071.85	7,101.85	7,101.85	169.48	246.20	89.89	1,278.66	-5,723.78	1,837.12	1,457.78	379.34	4.843		
12,800.00	7,072.08	7,102.08	7,102.08	172.28	246.21	89.90	1,278.66	-5,723.78	1,776.17	1,390.23	385.93	4.602		
12,900.00	7,072.31	7,102.31	7,102.31	175.08	246.22	89.91	1,278.66	-5,723.78	1,718.87	1,326.15	392.72	4.377		
13,000.00	7,072.54	7,102.54	7,102.54	177.88	246.23	89.92	1,278.66	-5,723.78	1,665.61	1,265.98	399.63	4.168		
13,100.00	7,072.77	7,102.77	7,102.77	180.68	246.23	89.93	1,278.66	-5,723.78	1,616.78	1,210.20	406.58	3.977		
13,200.00	7,073.00	7,103.00	7,103.00	183.48	246.24	89.94	1,278.66	-5,723.78	1,572.81	1,159.32	413.49	3.804		
13,300.00	7,073.23	7,103.23	7,103.23	186.29	246.25	89.95	1,278.66	-5,723.78	1,534.10	1,113.88	420.22	3.651		
13,400.00	7,073.46	7,103.46	7,103.46	189.09	246.26	89.96	1,278.66	-5,723.78	1,501.07	1,074.42	426.65	3.518		
13,500.00	7,073.69	7,103.69	7,103.69	191.90	246.27	89.97	1,278.66	-5,723.78	1,474.10	1,041.47	432.63	3.407		
13,600.00	7,073.92	7,103.92	7,103.92	194.71	246.27	89.98	1,278.66	-5,723.78	1,453.51	1,015.50	438.01	3.318		
13,700.00	7,074.15	7,104.15	7,104.15	197.52	246.28	89.99	1,278.66	-5,723.78	1,439.60	996.93	442.67	3.252		
13,800.00	7,074.38	7,104.38	7,104.38	200.34	246.29	90.00	1,278.66	-5,723.78	1,432.55	986.07	446.48	3.209		
13,851.29	7,074.50	7,104.50	7,104.50	201.78	246.29	90.00	1,278.66	-5,723.78	1,431.63	983.55	448.07	3.195 CC		
13,900.00	7,074.61	7,104.61	7,104.61	203.15	246.30	90.00	1,278.66	-5,723.78	1,432.46	983.10	449.36	3.188 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,104.84	7,104.84	205.97	246.31	90.01	1,278.66	-5,723.78	1,439.33	988.06	451.27	3.189		
14,100.00	7,075.07	7,105.07	7,105.07	208.78	246.31	90.02	1,278.66	-5,723.78	1,453.07	1,000.85	452.22	3.213		
14,200.00	7,075.30	7,105.30	7,105.30	211.60	246.32	90.03	1,278.66	-5,723.78	1,473.48	1,021.25	452.23	3.258		
14,300.00	7,075.54	7,105.54	7,105.54	214.42	246.33	90.04	1,278.66	-5,723.78	1,500.30	1,048.91	451.39	3.324		
14,400.00	7,075.77	7,105.77	7,105.77	217.24	246.34	90.05	1,278.66	-5,723.78	1,533.18	1,083.39	449.79	3.409		
14,500.00	7,076.00	7,106.00	7,106.00	220.06	246.35	90.06	1,278.66	-5,723.78	1,571.74	1,124.19	447.55	3.512		
14,600.00	7,076.23	7,106.23	7,106.23	222.88	246.36	90.07	1,278.66	-5,723.78	1,615.59	1,170.80	444.79	3.632		
14,700.00	7,076.46	7,106.46	7,106.46	225.70	246.36	90.08	1,278.66	-5,723.78	1,664.29	1,222.67	441.62	3.769		
14,800.00	7,076.69	7,106.69	7,106.69	228.53	246.37	90.09	1,278.66	-5,723.78	1,717.44	1,279.29	438.15	3.920		
14,900.00	7,076.92	7,106.92	7,106.92	231.35	246.38	90.10	1,278.66	-5,723.78	1,774.64	1,340.16	434.48	4.084		
15,000.00	7,077.15	7,107.15	7,107.15	234.18	246.39	90.11	1,278.66	-5,723.78	1,835.51	1,404.82	430.69	4.262		
15,100.00	7,077.38	7,107.38	7,107.38	237.00	246.40	90.12	1,278.66	-5,723.78	1,899.69	1,472.86	426.83	4.451		
15,200.00	7,077.61	7,107.61	7,107.61	239.83	246.40	90.12	1,278.66	-5,723.78	1,966.87	1,543.89	422.98	4.650		
15,300.00	7,077.84	7,107.84	7,107.84	242.66	246.41	90.13	1,278.66	-5,723.78	2,036.74	1,617.57	419.17	4.859		
15,400.00	7,078.07	7,108.07	7,108.07	245.49	246.42	90.14	1,278.66	-5,723.78	2,109.04	1,693.61	415.42	5.077		
15,500.00	7,078.30	7,108.30	7,108.30	248.31	246.43	90.15	1,278.66	-5,723.78	2,183.53	1,771.75	411.78	5.303		
15,600.00	7,078.53	7,108.53	7,108.53	251.14	246.44	90.16	1,278.66	-5,723.78	2,259.98	1,851.74	408.24	5.536		
15,700.00	7,078.76	7,108.76	7,108.76	253.97	246.44	90.17	1,278.66	-5,723.78	2,338.22	1,933.39	404.83	5.776		
15,800.00	7,078.99	7,108.99	7,108.99	256.80	246.45	90.18	1,278.66	-5,723.78	2,418.06	2,016.51	401.54	6.022		
15,900.00	7,079.22	7,109.22	7,109.22	259.64	246.46	90.19	1,278.66	-5,723.78	2,499.35	2,100.96	398.39	6.274		
16,000.00	7,079.45	7,109.45	7,109.45	262.47	246.47	90.20	1,278.66	-5,723.78	2,581.95	2,186.58	395.37	6.530		
16,100.00	7,079.69	7,109.69	7,109.69	265.30	246.48	90.21	1,278.66	-5,723.78	2,665.75	2,273.27	392.48	6.792		
16,200.00	7,079.92	7,109.92	7,109.92	268.13	246.48	90.22	1,278.66	-5,723.78	2,750.63	2,360.90	389.73	7.058		
16,300.00	7,080.15	7,110.15	7,110.15	270.97	246.49	90.23	1,278.66	-5,723.78	2,836.49	2,449.40	387.09	7.328		
16,400.00	7,080.38	7,110.38	7,110.38	273.80	246.50	90.24	1,278.66	-5,723.78	2,923.26	2,538.68	384.58	7.601		
16,500.00	7,080.61	7,110.61	7,110.61	276.64	246.51	90.24	1,278.66	-5,723.78	3,010.84	2,628.66	382.18	7.878		
16,600.00	7,080.84	7,110.84	7,110.84	279.47	246.52	90.25	1,278.66	-5,723.78	3,099.18	2,719.28	379.90	8.158		
16,700.00	7,081.07	7,111.07	7,111.07	282.31	246.52	90.26	1,278.66	-5,723.78	3,188.21	2,810.49	377.72	8.441		
16,800.00	7,081.30	7,111.30	7,111.30	285.14	246.53	90.27	1,278.66	-5,723.78	3,277.86	2,902.23	375.64	8.726		
16,900.00	7,081.53	7,111.53	7,111.53	287.98	246.54	90.28	1,278.66	-5,723.78	3,368.11	2,994.45	373.66	9.014		
17,000.00	7,081.76	7,111.76	7,111.76	290.82	246.55	90.29	1,278.66	-5,723.78	3,458.88	3,087.12	371.76	9.304		
17,100.00	7,081.99	7,111.99	7,111.99	293.65	246.56	90.30	1,278.66	-5,723.78	3,550.16	3,180.20	369.96	9.596		
17,200.00	7,082.22	7,112.22	7,112.22	296.49	246.56	90.31	1,278.66	-5,723.78	3,641.89	3,273.66	368.23	9.890		
17,300.00	7,082.45	7,112.45	7,112.45	299.33	246.57	90.32	1,278.66	-5,723.78	3,734.04	3,367.46	366.59	10.186		
17,400.00	7,082.68	7,112.68	7,112.68	302.17	246.58	90.33	1,278.66	-5,723.78	3,826.59	3,461.58	365.01	10.483		
17,500.00	7,082.91	7,112.91	7,112.91	305.01	246.59	90.34	1,278.66	-5,723.78	3,919.51	3,556.00	363.51	10.782		
17,600.00	7,083.14	7,113.14	7,113.14	307.85	246.60	90.35	1,278.66	-5,723.78	4,012.77	3,650.70	362.07	11.083		
17,700.00	7,083.37	7,113.37	7,113.37	310.69	246.60	90.36	1,278.66	-5,723.78	4,106.34	3,745.65	360.69	11.385		
17,800.00	7,083.60	7,113.60	7,113.60	313.53	246.61	90.36	1,278.66	-5,723.78	4,200.21	3,840.84	359.38	11.688		
17,900.00	7,083.84	7,113.84	7,113.84	316.37	246.62	90.37	1,278.66	-5,723.78	4,294.36	3,936.24	358.11	11.992		
18,000.00	7,084.07	7,114.07	7,114.07	319.21	246.63	90.38	1,278.66	-5,723.78	4,388.76	4,031.86	356.90	12.297		
18,100.00	7,084.30	7,114.30	7,114.30	322.05	246.64	90.39	1,278.66	-5,723.78	4,483.41	4,127.67	355.75	12.603		
18,200.00	7,084.53	7,114.53	7,114.53	324.89	246.64	90.40	1,278.66	-5,723.78	4,578.29	4,223.65	354.63	12.910		
18,300.00	7,084.76	7,114.76	7,114.76	327.73	246.65	90.41	1,278.66	-5,723.78	4,673.38	4,319.81	353.57	13.218		
18,400.00	7,084.99	7,114.99	7,114.99	330.57	246.66	90.42	1,278.66	-5,723.78	4,768.67	4,416.12	352.54	13.526		
18,500.00	7,085.22	7,115.22	7,115.22	333.41	246.67	90.43	1,278.66	-5,723.78	4,864.15	4,512.59	351.56	13.836		
18,600.00	7,085.45	7,115.45	7,115.45	336.26	246.68	90.44	1,278.66	-5,723.78	4,959.81	4,609.19	350.62	14.146		
18,700.00	7,085.68	7,115.68	7,115.68	339.10	246.69	90.45	1,278.66	-5,723.78	5,055.63	4,705.92	349.71	14.457		
18,800.00	7,085.91	7,115.91	7,115.91	341.94	246.69	90.46	1,278.66	-5,723.78	5,151.62	4,802.78	348.84	14.768		
18,839.14	7,086.00	7,116.00	7,116.00	343.06	246.70	90.46	1,278.66	-5,723.78	5,189.23	4,840.72	348.51	14.890		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-89.04	73.61	-4,371.68	4,372.30					
100.00	100.00	123.00	123.00	3.28	4.15	-89.04	73.61	-4,371.68	4,372.30	4,364.86	7.44	587.805		
200.00	200.00	223.00	223.00	3.34	6.87	-89.04	73.61	-4,371.68	4,372.30	4,362.09	10.21	428.251		
300.00	300.00	323.00	323.00	3.44	10.08	-89.04	73.61	-4,371.68	4,372.30	4,358.78	13.52	323.300		
400.00	399.98	422.98	422.98	3.60	13.43	175.45	73.61	-4,371.68	4,374.04	4,357.01	17.03	256.888		
500.00	499.84	522.84	522.84	3.80	16.83	175.45	73.61	-4,371.68	4,379.26	4,358.63	20.63	212.304		
600.00	599.45	622.45	622.45	4.04	20.25	175.45	73.61	-4,371.68	4,387.94	4,363.66	24.29	180.658		
700.00	698.70	721.70	721.70	4.31	23.68	175.44	73.61	-4,371.68	4,400.09	4,372.10	27.99	157.211		
800.00	797.47	820.47	820.47	4.62	27.10	175.43	73.61	-4,371.68	4,415.69	4,383.98	31.71	139.248		
900.00	895.62	918.62	918.62	4.97	30.50	175.42	73.61	-4,371.68	4,434.71	4,399.26	35.44	125.118		
980.89	974.49	1,002.51	997.49	5.27	33.41	175.41	73.61	-4,371.68	4,452.58	4,413.94	38.64	115.231		
1,000.00	993.07	1,016.07	1,016.07	5.34	33.88	175.41	73.61	-4,371.68	4,457.07	4,417.89	39.18	113.751		
1,100.00	1,090.26	1,113.26	1,113.26	5.75	37.26	175.44	73.61	-4,371.68	4,480.55	4,437.63	42.92	104.396		
1,200.00	1,187.45	1,210.45	1,210.45	6.17	40.64	175.46	73.61	-4,371.68	4,504.02	4,457.35	46.67	96.502		
1,300.00	1,284.64	1,307.64	1,307.64	6.62	44.03	175.49	73.61	-4,371.68	4,527.49	4,477.05	50.44	89.756		
1,400.00	1,381.83	1,404.83	1,404.83	7.07	47.41	175.51	73.61	-4,371.68	4,550.97	4,496.75	54.22	83.929		
1,500.00	1,479.01	1,502.01	1,502.01	7.54	50.80	175.53	73.61	-4,371.68	4,574.45	4,516.43	58.02	78.849		
1,600.00	1,576.20	1,600.80	1,599.20	8.02	54.24	175.55	73.61	-4,371.68	4,597.92	4,536.05	61.87	74.314		
1,700.00	1,673.39	1,703.61	1,696.39	8.50	57.82	175.58	73.61	-4,371.68	4,621.40	4,555.53	65.88	70.154		
1,800.00	1,770.58	1,806.42	1,793.58	8.99	61.40	175.60	73.61	-4,371.68	4,644.88	4,574.99	69.89	66.465		
1,900.00	1,867.77	1,909.23	1,890.77	9.48	64.99	175.62	73.61	-4,371.68	4,668.36	4,594.46	73.90	63.171		
2,000.00	1,964.96	1,987.96	1,987.96	9.98	67.73	175.64	73.61	-4,371.68	4,691.84	4,614.76	77.08	60.870		
2,100.00	2,062.15	2,085.15	2,085.15	10.49	71.12	175.67	73.61	-4,371.68	4,715.32	4,634.41	80.91	58.280		
2,200.00	2,159.34	2,182.34	2,182.34	10.99	74.51	175.69	73.61	-4,371.68	4,738.80	4,654.06	84.74	55.923		
2,300.00	2,256.53	2,279.53	2,279.53	11.50	77.90	175.71	73.61	-4,371.68	4,762.28	4,673.71	88.57	53.767		
2,400.00	2,353.71	2,376.71	2,376.71	12.01	81.29	175.73	73.61	-4,371.68	4,785.76	4,693.35	92.41	51.789		
2,500.00	2,450.90	2,473.90	2,473.90	12.53	84.68	175.75	73.61	-4,371.68	4,809.25	4,713.00	96.25	49.968		
2,600.00	2,548.09	2,571.09	2,571.09	13.04	88.07	175.77	73.61	-4,371.68	4,832.73	4,732.64	100.09	48.285		
2,700.00	2,645.28	2,668.28	2,668.28	13.56	91.46	175.79	73.61	-4,371.68	4,856.21	4,752.28	103.93	46.725		
2,800.00	2,742.47	2,765.47	2,765.47	14.08	94.85	175.81	73.61	-4,371.68	4,879.70	4,771.92	107.77	45.277		
2,900.00	2,839.66	2,862.66	2,862.66	14.60	98.24	175.83	73.61	-4,371.68	4,903.18	4,791.56	111.62	43.927		
3,000.00	2,936.85	2,959.85	2,959.85	15.12	101.64	175.85	73.61	-4,371.68	4,926.67	4,811.20	115.47	42.667		
3,100.00	3,034.04	3,057.04	3,057.04	15.65	105.03	175.87	73.61	-4,371.68	4,950.15	4,830.84	119.32	41.488		
3,200.00	3,131.22	3,154.22	3,154.22	16.17	108.42	175.89	73.61	-4,371.68	4,973.64	4,850.48	123.17	40.382		
3,300.00	3,228.41	3,251.41	3,251.41	16.69	111.81	175.91	73.61	-4,371.68	4,997.13	4,870.11	127.02	39.343		
3,400.00	3,325.60	3,348.60	3,348.60	17.22	115.20	175.93	73.61	-4,371.68	5,020.62	4,889.75	130.87	38.364		
3,500.00	3,422.79	3,445.79	3,445.79	17.75	118.59	175.95	73.61	-4,371.68	5,044.10	4,909.39	134.72	37.442		
3,600.00	3,519.98	3,542.98	3,542.98	18.27	121.98	175.97	73.61	-4,371.68	5,067.59	4,929.02	138.57	36.570		
3,700.00	3,617.17	3,640.17	3,640.17	18.80	125.38	175.99	73.61	-4,371.68	5,091.08	4,948.66	142.42	35.746		
3,800.00	3,714.36	3,737.36	3,737.36	19.33	128.77	176.00	73.61	-4,371.68	5,114.57	4,968.29	146.28	34.965		
3,900.00	3,811.55	3,834.55	3,834.55	19.86	132.16	176.02	73.61	-4,371.68	5,138.06	4,987.93	150.13	34.223		
4,000.00	3,908.74	3,931.74	3,931.74	20.39	135.55	176.04	73.61	-4,371.68	5,161.55	5,007.57	153.99	33.519		
4,100.00	4,005.92	4,028.92	4,028.92	20.92	138.94	176.06	73.61	-4,371.68	5,185.05	5,027.20	157.84	32.849		
4,200.00	4,103.11	4,126.11	4,126.11	21.45	142.34	176.08	73.61	-4,371.68	5,208.54	5,046.84	161.70	32.211		
4,300.00	4,200.30	4,223.30	4,223.30	21.98	145.73	176.09	73.61	-4,371.68	5,232.03	5,066.47	165.56	31.603		
4,400.00	4,297.49	4,320.49	4,320.49	22.51	149.12	176.11	73.61	-4,371.68	5,255.52	5,086.11	169.41	31.022		
4,500.00	4,394.68	4,417.68	4,417.68	23.04	152.51	176.13	73.61	-4,371.68	5,279.02	5,105.74	173.27	30.467		
4,600.00	4,491.87	4,514.87	4,514.87	23.57	155.90	176.15	73.61	-4,371.68	5,302.51	5,125.38	177.13	29.936		
4,700.00	4,589.06	4,612.06	4,612.06	24.10	159.30	176.16	73.61	-4,371.68	5,326.00	5,145.02	180.99	29.428		
4,800.00	4,686.25	4,709.25	4,709.25	24.64	162.69	176.18	73.61	-4,371.68	5,349.50	5,164.65	184.85	28.940		
4,900.00	4,783.43	4,806.43	4,806.43	25.17	166.08	176.20	73.61	-4,371.68	5,372.99	5,184.29	188.70	28.473		
5,000.00	4,880.62	4,903.62	4,903.62	25.70	169.47	176.21	73.61	-4,371.68	5,396.49	5,203.93	192.56	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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,000.81	5,000.81	26.23	172.86	176.23	73.61	-4,371.68	5,419.98	5,223.56	196.42	27.594		
5,200.00	5,075.00	5,102.00	5,098.00	26.77	176.40	176.25	73.61	-4,371.68	5,443.48	5,243.06	200.42	27.160		
5,300.00	5,172.19	5,204.81	5,195.19	27.30	179.98	176.26	73.61	-4,371.68	5,466.98	5,262.50	204.48	26.736		
5,400.00	5,269.38	5,307.62	5,292.38	27.83	183.57	176.28	73.61	-4,371.68	5,490.48	5,281.94	208.53	26.329		
5,457.75	5,325.51	5,348.51	5,348.51	28.14	185.00	176.29	73.61	-4,371.68	5,504.05	5,293.81	210.23	26.181		
5,500.00	5,366.64	5,389.64	5,389.64	28.37	186.44	176.31	73.61	-4,371.68	5,513.67	5,301.81	211.86	26.025		
5,600.00	5,464.53	5,487.53	5,487.53	28.87	189.85	176.35	73.61	-4,371.68	5,534.03	5,318.29	215.74	25.651		
5,700.00	5,563.07	5,586.07	5,586.07	29.35	193.29	176.38	73.61	-4,371.68	5,550.97	5,331.34	219.63	25.274		
5,800.00	5,662.15	5,685.15	5,685.15	29.80	196.75	176.41	73.61	-4,371.68	5,564.47	5,340.94	223.53	24.894		
5,900.00	5,761.64	5,784.64	5,784.64	30.23	200.22	176.42	73.61	-4,371.68	5,574.51	5,347.08	227.43	24.511		
6,000.00	5,861.42	5,884.42	5,884.42	30.64	203.71	176.44	73.61	-4,371.68	5,581.07	5,349.74	231.33	24.126		
6,100.00	5,961.36	5,984.36	5,984.36	31.02	207.20	176.44	73.61	-4,371.68	5,584.16	5,348.93	235.23	23.739		
6,138.64	6,000.00	6,023.00	6,023.00	31.16	208.54	-88.05	73.61	-4,371.68	5,584.42	5,347.69	236.73	23.590		
6,200.00	6,061.36	6,084.36	6,084.36	31.38	210.69	-88.05	73.61	-4,371.68	5,584.42	5,345.32	239.10	23.356		
6,300.00	6,161.36	6,184.36	6,184.36	31.74	214.18	-88.05	73.61	-4,371.68	5,584.42	5,341.45	242.97	22.984		
6,400.00	6,261.36	6,284.36	6,284.36	32.10	217.67	-88.05	73.61	-4,371.68	5,584.42	5,337.59	246.84	22.624		
6,500.00	6,361.36	6,384.36	6,384.36	32.46	221.16	-88.05	73.61	-4,371.68	5,584.42	5,333.71	250.71	22.275		
6,562.02	6,423.38	6,446.38	6,446.38	32.68	223.32	-88.05	73.61	-4,371.68	5,584.42	5,331.31	253.11	22.063		
6,600.00	6,461.34	6,484.34	6,484.34	32.82	224.65	2.26	73.61	-4,371.68	5,583.29	5,328.72	254.57	21.932		
6,650.00	6,511.08	6,534.08	6,534.08	32.99	226.38	2.28	73.61	-4,371.68	5,578.36	5,321.89	256.47	21.750		
6,700.00	6,560.29	6,583.29	6,583.29	33.17	228.10	2.31	73.61	-4,371.68	5,569.54	5,311.20	258.34	21.559		
6,750.00	6,608.64	6,631.64	6,631.64	33.36	229.79	2.37	73.61	-4,371.68	5,556.89	5,296.74	260.15	21.360		
6,800.00	6,655.86	6,678.86	6,678.86	33.56	231.44	2.44	73.61	-4,371.68	5,540.49	5,278.57	261.92	21.154		
6,850.00	6,701.64	6,724.64	6,724.64	33.78	233.04	2.53	73.61	-4,371.68	5,520.44	5,256.83	263.61	20.942		
6,900.00	6,745.71	6,768.71	6,768.71	34.01	234.57	2.65	73.61	-4,371.68	5,496.86	5,231.63	265.23	20.725		
6,950.00	6,787.79	6,810.79	6,810.79	34.27	236.04	2.80	73.61	-4,371.68	5,469.90	5,203.14	266.76	20.505		
7,000.00	6,827.62	6,850.62	6,850.62	34.56	237.43	2.99	73.61	-4,371.68	5,439.72	5,171.53	268.20	20.283		
7,050.00	6,864.96	6,887.96	6,887.96	34.87	238.74	3.23	73.61	-4,371.68	5,406.52	5,136.99	269.53	20.059		
7,100.00	6,899.58	6,922.58	6,922.58	35.21	239.94	3.53	73.61	-4,371.68	5,370.49	5,099.73	270.76	19.835		
7,150.00	6,931.26	6,954.26	6,954.26	35.60	241.05	3.91	73.61	-4,371.68	5,331.86	5,059.98	271.88	19.611		
7,200.00	6,959.81	6,982.81	6,982.81	36.02	242.05	4.41	73.61	-4,371.68	5,290.86	5,017.99	272.87	19.389		
7,250.00	6,985.06	7,008.06	7,008.06	36.47	242.93	5.08	73.61	-4,371.68	5,247.75	4,974.01	273.75	19.170		
7,300.00	7,006.84	7,029.84	7,029.84	36.97	243.69	6.03	73.61	-4,371.68	5,202.80	4,928.31	274.49	18.954		
7,350.00	7,025.02	7,048.02	7,048.02	37.51	244.32	7.43	73.61	-4,371.68	5,156.28	4,881.17	275.11	18.742		
7,400.00	7,039.49	7,062.49	7,062.49	38.09	244.83	9.69	73.61	-4,371.68	5,108.48	4,832.88	275.60	18.536		
7,450.00	7,050.17	7,073.17	7,073.17	38.70	245.20	13.93	73.61	-4,371.68	5,059.69	4,783.73	275.96	18.335		
7,500.00	7,056.98	7,079.98	7,079.98	39.33	245.44	24.27	73.61	-4,371.68	5,010.22	4,734.03	276.19	18.141		
7,550.00	7,059.89	7,082.89	7,082.89	39.99	245.54	66.92	73.61	-4,371.68	4,960.36	4,684.08	276.28	17.954		
7,560.55	7,060.00	7,083.00	7,083.00	40.13	245.54	87.03	73.61	-4,371.68	4,949.82	4,673.54	276.29	17.916		
7,600.00	7,060.09	7,083.09	7,083.09	40.67	245.55	87.05	73.61	-4,371.68	4,910.41	4,634.12	276.29	17.773		
7,700.00	7,060.32	7,083.32	7,083.32	42.14	245.56	87.11	73.61	-4,371.68	4,810.51	4,534.22	276.30	17.411		
7,800.00	7,060.55	7,083.55	7,083.55	43.75	245.56	87.17	73.61	-4,371.68	4,710.62	4,434.31	276.31	17.048		
7,900.00	7,060.78	7,083.78	7,083.78	45.48	245.57	87.23	73.61	-4,371.68	4,610.73	4,334.41	276.32	16.686		
8,000.00	7,061.01	7,084.01	7,084.01	47.33	245.58	87.29	73.61	-4,371.68	4,510.85	4,234.51	276.34	16.324		
8,100.00	7,061.24	7,084.24	7,084.24	49.27	245.59	87.35	73.61	-4,371.68	4,410.97	4,134.62	276.35	15.961		
8,200.00	7,061.47	7,084.47	7,084.47	51.29	245.60	87.41	73.61	-4,371.68	4,311.10	4,034.72	276.37	15.599		
8,300.00	7,061.70	7,084.70	7,084.70	53.40	245.60	87.47	73.61	-4,371.68	4,211.23	3,934.83	276.40	15.236		
8,400.00	7,061.93	7,084.93	7,084.93	55.57	245.61	87.53	73.61	-4,371.68	4,111.37	3,834.95	276.42	14.873		
8,500.00	7,062.16	7,085.16	7,085.16	57.80	245.62	87.59	73.61	-4,371.68	4,011.52	3,735.07	276.45	14.511		
8,600.00	7,062.39	7,085.39	7,085.39	60.08	245.63	87.65	73.61	-4,371.68	3,911.67	3,635.19	276.48	14.148		
8,700.00	7,062.63	7,085.63	7,085.63	62.42	245.64	87.71	73.61	-4,371.68	3,811.83	3,535.31	276.52	13.785		
8,800.00	7,062.86	7,085.86	7,085.86	64.79	245.64	87.77	73.61	-4,371.68	3,712.00	3,435.44	276.56	13.422		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,086.09	7,086.09	67.20	245.65	87.83	73.61	-4,371.68	3,612.18	3,335.58	276.60	13.059		
9,000.00	7,063.32	7,086.32	7,086.32	69.65	245.66	87.89	73.61	-4,371.68	3,512.37	3,235.72	276.65	12.696		
9,100.00	7,063.55	7,086.55	7,086.55	72.12	245.67	87.95	73.61	-4,371.68	3,412.57	3,135.87	276.71	12.333		
9,200.00	7,063.78	7,086.78	7,086.78	74.63	245.68	88.01	73.61	-4,371.68	3,312.79	3,036.02	276.77	11.970		
9,300.00	7,064.01	7,087.01	7,087.01	77.16	245.68	88.07	73.61	-4,371.68	3,213.02	2,936.18	276.83	11.606		
9,400.00	7,064.24	7,087.24	7,087.24	79.71	245.69	88.13	73.61	-4,371.68	3,113.26	2,836.35	276.91	11.243		
9,500.00	7,064.47	7,087.47	7,087.47	82.28	245.70	88.19	73.61	-4,371.68	3,013.51	2,736.52	276.99	10.879		
9,600.00	7,064.70	7,087.70	7,087.70	84.87	245.71	88.25	73.61	-4,371.68	2,913.79	2,636.70	277.08	10.516		
9,700.00	7,064.93	7,087.93	7,087.93	87.47	245.72	88.31	73.61	-4,371.68	2,814.08	2,536.90	277.19	10.152		
9,800.00	7,065.16	7,088.16	7,088.16	90.09	245.72	88.37	73.61	-4,371.68	2,714.40	2,437.09	277.31	9.788		
9,900.00	7,065.39	7,088.39	7,088.39	92.73	245.73	88.43	73.61	-4,371.68	2,614.74	2,337.30	277.44	9.425		
10,000.00	7,065.62	7,088.62	7,088.62	95.38	245.74	88.49	73.61	-4,371.68	2,515.11	2,237.52	277.59	9.061		
10,100.00	7,065.85	7,088.85	7,088.85	98.04	245.75	88.55	73.61	-4,371.68	2,415.51	2,137.75	277.75	8.697		
10,200.00	7,066.08	7,089.08	7,089.08	100.71	245.76	88.61	73.61	-4,371.68	2,315.94	2,037.99	277.95	8.332		
10,300.00	7,066.31	7,089.31	7,089.31	103.39	245.76	88.67	73.61	-4,371.68	2,216.41	1,938.24	278.17	7.968		
10,400.00	7,066.54	7,089.54	7,089.54	106.08	245.77	88.73	73.61	-4,371.68	2,116.92	1,838.50	278.42	7.603		
10,500.00	7,066.77	7,089.77	7,089.77	108.78	245.78	88.79	73.61	-4,371.68	2,017.49	1,738.78	278.71	7.239		
10,600.00	7,067.01	7,109.99	7,090.01	111.48	246.49	88.85	73.61	-4,371.68	1,918.11	1,638.36	279.75	6.856		
10,700.00	7,067.24	7,109.76	7,090.24	114.20	246.48	88.91	73.61	-4,371.68	1,818.81	1,538.67	280.14	6.493		
10,800.00	7,067.47	7,109.53	7,090.47	116.92	246.47	88.97	73.61	-4,371.68	1,719.58	1,438.99	280.60	6.128		
10,900.00	7,067.70	7,109.30	7,090.70	119.65	246.46	89.03	73.61	-4,371.68	1,620.45	1,339.31	281.14	5.764		
11,000.00	7,067.93	7,109.07	7,090.93	122.38	246.45	89.09	73.61	-4,371.68	1,521.43	1,239.63	281.80	5.399		
11,100.00	7,068.16	7,108.84	7,091.16	125.12	246.45	89.15	73.61	-4,371.68	1,422.55	1,139.95	282.61	5.034		
11,200.00	7,068.39	7,108.61	7,091.39	127.86	246.44	89.21	73.61	-4,371.68	1,323.84	1,040.25	283.59	4.668		
11,300.00	7,068.62	7,108.38	7,091.62	130.61	246.43	89.27	73.61	-4,371.68	1,225.34	940.53	284.81	4.302		
11,400.00	7,068.85	7,108.15	7,091.85	133.37	246.42	89.33	73.61	-4,371.68	1,127.10	840.76	286.34	3.936		
11,500.00	7,069.08	7,107.92	7,092.08	136.12	246.41	89.39	73.61	-4,371.68	1,029.20	740.93	288.27	3.570		
11,600.00	7,069.31	7,107.69	7,092.31	138.89	246.41	89.46	73.61	-4,371.68	931.74	640.98	290.76	3.205		
11,700.00	7,069.54	7,107.46	7,092.54	141.65	246.40	89.52	73.61	-4,371.68	834.89	540.89	294.00	2.840		
11,800.00	7,069.77	7,107.23	7,092.77	144.42	246.39	89.58	73.61	-4,371.68	738.88	440.56	298.31	2.477		
11,900.00	7,070.00	7,107.00	7,093.00	147.19	246.38	89.64	73.61	-4,371.68	644.08	339.93	304.15	2.118		
12,000.00	7,070.23	7,106.77	7,093.23	149.97	246.37	89.70	73.61	-4,371.68	551.12	238.90	312.22	1.765		
12,100.00	7,070.46	7,106.54	7,093.46	152.75	246.37	89.76	73.61	-4,371.68	461.12	137.45	323.67	1.425 Level 3		
12,200.00	7,070.69	7,106.31	7,093.69	155.53	246.36	89.82	73.61	-4,371.68	376.20	36.06	340.14	1.106 Level 2		
12,300.00	7,070.92	7,106.08	7,093.92	158.32	246.35	89.88	73.61	-4,371.68	300.71	-62.75	363.45	0.827 Level 1		
12,400.00	7,071.16	7,105.85	7,094.16	161.10	246.34	89.94	73.61	-4,371.68	243.56	-148.31	391.87	0.622 Level 1		
12,500.00	7,071.39	7,105.61	7,094.39	163.89	246.33	90.00	73.61	-4,371.68	219.59	-190.57	410.16	0.535 Level 1		
12,505.52	7,071.40	7,105.60	7,094.40	164.05	246.33	90.00	73.61	-4,371.68	219.52	-190.86	410.38	0.535 Level 1, CC, ES, SF		
12,600.00	7,071.62	7,105.38	7,094.62	166.69	246.33	90.06	73.61	-4,371.68	238.99	-161.27	400.26	0.597 Level 1		
12,700.00	7,071.85	7,105.15	7,094.85	169.48	246.32	90.12	73.61	-4,371.68	293.28	-82.18	375.45	0.781 Level 1		
12,800.00	7,072.08	7,104.92	7,095.08	172.28	246.31	90.18	73.61	-4,371.68	367.30	14.24	353.06	1.040 Level 2		
12,900.00	7,072.31	7,104.69	7,095.31	175.08	246.30	90.24	73.61	-4,371.68	451.45	114.83	336.62	1.341 Level 3		
13,000.00	7,072.54	7,104.46	7,095.54	177.88	246.29	90.30	73.61	-4,371.68	541.02	216.08	324.94	1.665		
13,100.00	7,072.77	7,104.23	7,095.77	180.68	246.29	90.36	73.61	-4,371.68	633.72	317.20	316.51	2.002		
13,200.00	7,073.00	7,104.00	7,096.00	183.48	246.28	90.42	73.61	-4,371.68	728.35	418.06	310.29	2.347		
13,300.00	7,073.23	7,103.77	7,096.23	186.29	246.27	90.48	73.61	-4,371.68	824.25	518.66	305.59	2.697		
13,400.00	7,073.46	7,103.54	7,096.46	189.09	246.26	90.54	73.61	-4,371.68	921.02	619.08	301.95	3.050		
13,500.00	7,073.69	7,103.31	7,096.69	191.90	246.25	90.60	73.61	-4,371.68	1,018.42	719.34	299.08	3.405		
13,600.00	7,073.92	7,103.08	7,096.92	194.71	246.25	90.66	73.61	-4,371.68	1,116.28	819.50	296.78	3.761		
13,700.00	7,074.15	7,102.85	7,097.15	197.52	246.24	90.72	73.61	-4,371.68	1,214.48	919.57	294.91	4.118		
13,800.00	7,074.38	7,102.62	7,097.38	200.34	246.23	90.78	73.61	-4,371.68	1,312.96	1,019.59	293.37	4.475		
13,900.00	7,074.61	7,102.39	7,097.61	203.15	246.22	90.84	73.61	-4,371.68	1,411.65	1,119.56	292.09	4.833		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,102.16	7,097.84	205.97	246.21	90.90	73.61	-4,371.68	1,510.52	1,219.50	291.02	5.190		
14,100.00	7,075.07	7,101.93	7,098.07	208.78	246.21	90.96	73.61	-4,371.68	1,609.52	1,319.41	290.11	5.548		
14,200.00	7,075.30	7,101.70	7,098.30	211.60	246.20	91.02	73.61	-4,371.68	1,708.64	1,419.31	289.33	5.905		
14,300.00	7,075.54	7,101.46	7,098.54	214.42	246.19	91.08	73.61	-4,371.68	1,807.86	1,519.19	288.67	6.263		
14,400.00	7,075.77	7,101.23	7,098.77	217.24	246.18	91.14	73.61	-4,371.68	1,907.15	1,619.06	288.09	6.620		
14,500.00	7,076.00	7,101.00	7,099.00	220.06	246.17	91.20	73.61	-4,371.68	2,006.52	1,718.93	287.60	6.977		
14,600.00	7,076.23	7,100.77	7,099.23	222.88	246.16	91.26	73.61	-4,371.68	2,105.95	1,818.79	287.16	7.334		
14,700.00	7,076.46	7,100.54	7,099.46	225.70	246.16	91.32	73.61	-4,371.68	2,205.43	1,918.64	286.79	7.690		
14,800.00	7,076.69	7,100.31	7,099.69	228.53	246.15	91.38	73.61	-4,371.68	2,304.95	2,018.50	286.46	8.046		
14,900.00	7,076.92	7,100.08	7,099.92	231.35	246.14	91.44	73.61	-4,371.68	2,404.52	2,118.35	286.17	8.403		
15,000.00	7,077.15	7,100.15	7,100.15	234.18	246.14	91.50	73.61	-4,371.68	2,504.12	2,218.19	285.92	8.758		
15,100.00	7,077.38	7,100.38	7,100.38	237.00	246.15	91.56	73.61	-4,371.68	2,603.75	2,318.03	285.72	9.113		
15,200.00	7,077.61	7,100.61	7,100.61	239.83	246.16	91.62	73.61	-4,371.68	2,703.40	2,417.87	285.54	9.468		
15,300.00	7,077.84	7,100.84	7,100.84	242.66	246.17	91.68	73.61	-4,371.68	2,803.08	2,517.70	285.38	9.822		
15,400.00	7,078.07	7,101.07	7,101.07	245.49	246.18	91.74	73.61	-4,371.68	2,902.79	2,617.54	285.25	10.176		
15,500.00	7,078.30	7,101.30	7,101.30	248.31	246.18	91.80	73.61	-4,371.68	3,002.51	2,717.38	285.13	10.530		
15,600.00	7,078.53	7,101.53	7,101.53	251.14	246.19	91.86	73.61	-4,371.68	3,102.25	2,817.22	285.03	10.884		
15,700.00	7,078.76	7,101.76	7,101.76	253.97	246.20	91.92	73.61	-4,371.68	3,202.01	2,917.06	284.95	11.237		
15,800.00	7,078.99	7,101.99	7,101.99	256.80	246.21	91.98	73.61	-4,371.68	3,301.78	3,016.90	284.88	11.590		
15,900.00	7,079.22	7,102.22	7,102.22	259.64	246.22	92.04	73.61	-4,371.68	3,401.57	3,116.74	284.82	11.943		
16,000.00	7,079.45	7,102.45	7,102.45	262.47	246.22	92.10	73.61	-4,371.68	3,501.36	3,216.59	284.78	12.295		
16,100.00	7,079.69	7,102.69	7,102.69	265.30	246.23	92.16	73.61	-4,371.68	3,601.17	3,316.43	284.74	12.647		
16,200.00	7,079.92	7,102.92	7,102.92	268.13	246.24	92.22	73.61	-4,371.68	3,700.99	3,416.28	284.71	12.999		
16,300.00	7,080.15	7,103.15	7,103.15	270.97	246.25	92.28	73.61	-4,371.68	3,800.82	3,516.12	284.69	13.351		
16,400.00	7,080.38	7,103.38	7,103.38	273.80	246.26	92.34	73.61	-4,371.68	3,900.66	3,615.97	284.68	13.702		
16,500.00	7,080.61	7,103.61	7,103.61	276.64	246.26	92.40	73.61	-4,371.68	4,000.50	3,715.82	284.68	14.053		
16,600.00	7,080.84	7,103.84	7,103.84	279.47	246.27	92.46	73.61	-4,371.68	4,100.35	3,815.67	284.69	14.403		
16,700.00	7,081.07	7,104.07	7,104.07	282.31	246.28	92.52	73.61	-4,371.68	4,200.21	3,915.52	284.70	14.753		
16,800.00	7,081.30	7,104.30	7,104.30	285.14	246.29	92.58	73.61	-4,371.68	4,300.08	4,015.37	284.71	15.103		
16,900.00	7,081.53	7,104.53	7,104.53	287.98	246.30	92.64	73.61	-4,371.68	4,399.95	4,115.22	284.73	15.453		
17,000.00	7,081.76	7,104.76	7,104.76	290.82	246.30	92.70	73.61	-4,371.68	4,499.83	4,215.07	284.76	15.802		
17,100.00	7,081.99	7,104.99	7,104.99	293.65	246.31	92.76	73.61	-4,371.68	4,599.71	4,314.92	284.79	16.151		
17,200.00	7,082.22	7,105.22	7,105.22	296.49	246.32	92.82	73.61	-4,371.68	4,699.60	4,414.78	284.83	16.500		
17,300.00	7,082.45	7,105.45	7,105.45	299.33	246.33	92.88	73.61	-4,371.68	4,799.49	4,514.63	284.86	16.848		
17,400.00	7,082.68	7,105.68	7,105.68	302.17	246.34	92.94	73.61	-4,371.68	4,899.39	4,614.48	284.91	17.196		
17,500.00	7,082.91	7,105.91	7,105.91	305.01	246.34	93.00	73.61	-4,371.68	4,999.29	4,714.34	284.96	17.544		
17,600.00	7,083.14	7,106.14	7,106.14	307.85	246.35	93.06	73.61	-4,371.68	5,099.20	4,814.19	285.01	17.892		
17,700.00	7,083.37	7,106.37	7,106.37	310.69	246.36	93.12	73.61	-4,371.68	5,199.11	4,914.05	285.06	18.239		
17,800.00	7,083.60	7,106.60	7,106.60	313.53	246.37	93.18	73.61	-4,371.68	5,299.02	5,013.90	285.12	18.585		
17,900.00	7,083.84	7,106.84	7,106.84	316.37	246.38	93.24	73.61	-4,371.68	5,398.93	5,113.76	285.18	18.932		
18,000.00	7,084.07	7,107.07	7,107.07	319.21	246.38	93.30	73.61	-4,371.68	5,498.85	5,213.61	285.24	19.278		
18,100.00	7,084.30	7,107.30	7,107.30	322.05	246.39	93.36	73.61	-4,371.68	5,598.77	5,313.47	285.30	19.624		
18,200.00	7,084.53	7,107.53	7,107.53	324.89	246.40	93.42	73.61	-4,371.68	5,698.70	5,413.33	285.37	19.969		
18,300.00	7,084.76	7,107.76	7,107.76	327.73	246.41	93.48	73.61	-4,371.68	5,798.62	5,513.18	285.44	20.315		
18,400.00	7,084.99	7,107.99	7,107.99	330.57	246.42	93.54	73.61	-4,371.68	5,898.55	5,613.04	285.51	20.659		
18,500.00	7,085.22	7,108.22	7,108.22	333.41	246.42	93.60	73.61	-4,371.68	5,998.49	5,712.90	285.59	21.004		
18,600.00	7,085.45	7,108.45	7,108.45	336.26	246.43	93.66	73.61	-4,371.68	6,098.42	5,812.75	285.67	21.348		
18,700.00	7,085.68	7,108.68	7,108.68	339.10	246.44	93.72	73.61	-4,371.68	6,198.36	5,912.61	285.75	21.692		
18,800.00	7,085.91	7,108.91	7,108.91	341.94	246.45	93.78	73.61	-4,371.68	6,298.29	6,012.47	285.83	22.035		
18,839.14	7,086.00	7,109.00	7,109.00	343.06	246.45	93.81	73.61	-4,371.68	6,337.41	6,051.55	285.86	22.170		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-92.90	-454.47	-8,977.99	8,989.48					
100.00	100.00	132.00	132.00	3.28	4.35	-92.90	-454.47	-8,977.99	8,989.48	8,981.84	7.64	1,176.911		
200.00	200.00	232.00	232.00	3.34	7.15	-92.90	-454.47	-8,977.99	8,989.48	8,979.00	10.49	857.174		
300.00	300.00	332.00	332.00	3.44	10.38	-92.90	-454.47	-8,977.99	8,989.48	8,975.66	13.82	650.395		
400.00	399.98	431.98	431.98	3.60	13.73	171.59	-454.47	-8,977.99	8,991.21	8,973.88	17.33	518.766		
500.00	499.84	531.84	531.84	3.80	17.14	171.58	-454.47	-8,977.99	8,996.39	8,975.45	20.94	429.718		
600.00	599.45	631.45	631.45	4.04	20.56	171.56	-454.47	-8,977.99	9,005.01	8,980.41	24.60	366.074		
700.00	698.70	730.70	730.70	4.31	23.99	171.54	-454.47	-8,977.99	9,017.06	8,988.76	28.30	318.625		
800.00	797.47	829.47	829.47	4.62	27.41	171.51	-454.47	-8,977.99	9,032.54	9,000.52	32.02	282.060		
900.00	895.62	927.62	927.62	4.97	30.81	171.47	-454.47	-8,977.99	9,051.42	9,015.66	35.76	253.130		
980.89	974.49	1,006.49	1,006.49	5.27	33.55	171.43	-454.47	-8,977.99	9,069.16	9,030.38	38.78	233.856		
1,000.00	993.07	1,025.07	1,025.07	5.34	34.20	171.43	-454.47	-8,977.99	9,073.61	9,034.11	39.50	229.725		
1,100.00	1,090.26	1,122.26	1,122.26	5.75	37.58	171.46	-454.47	-8,977.99	9,096.91	9,053.67	43.24	210.405		
1,200.00	1,187.45	1,219.45	1,219.45	6.17	40.96	171.48	-454.47	-8,977.99	9,120.21	9,073.22	46.99	194.083		
1,300.00	1,284.64	1,316.64	1,316.64	6.62	44.34	171.50	-454.47	-8,977.99	9,143.51	9,092.74	50.76	180.124		
1,400.00	1,381.83	1,413.83	1,413.83	7.07	47.72	171.52	-454.47	-8,977.99	9,166.81	9,112.26	54.55	168.058		
1,500.00	1,479.01	1,511.01	1,511.01	7.54	51.11	171.54	-454.47	-8,977.99	9,190.11	9,131.77	58.34	157.529		
1,600.00	1,576.20	1,608.20	1,608.20	8.02	54.50	171.56	-454.47	-8,977.99	9,213.41	9,151.27	62.14	148.265		
1,700.00	1,673.39	1,705.39	1,705.39	8.50	57.88	171.59	-454.47	-8,977.99	9,236.71	9,170.76	65.95	140.054		
1,800.00	1,770.58	1,802.58	1,802.58	8.99	61.27	171.61	-454.47	-8,977.99	9,260.02	9,190.25	69.77	132.729		
1,900.00	1,867.77	1,900.23	1,899.77	9.48	64.67	171.63	-454.47	-8,977.99	9,283.33	9,209.72	73.60	126.126		
2,000.00	1,964.96	2,003.04	1,996.96	9.98	68.26	171.65	-454.47	-8,977.99	9,306.63	9,229.01	77.62	119.892		
2,100.00	2,062.15	2,105.85	2,094.15	10.49	71.84	171.67	-454.47	-8,977.99	9,329.94	9,248.29	81.65	114.267		
2,200.00	2,159.34	2,208.66	2,191.34	10.99	75.43	171.69	-454.47	-8,977.99	9,353.25	9,267.57	85.68	109.166		
2,300.00	2,256.53	2,288.53	2,288.53	11.50	78.22	171.71	-454.47	-8,977.99	9,376.56	9,287.65	88.91	105.461		
2,400.00	2,353.71	2,385.71	2,385.71	12.01	81.61	171.73	-454.47	-8,977.99	9,399.88	9,307.13	92.75	101.348		
2,500.00	2,450.90	2,482.90	2,482.90	12.53	85.00	171.75	-454.47	-8,977.99	9,423.19	9,326.60	96.59	97.559		
2,600.00	2,548.09	2,580.09	2,580.09	13.04	88.39	171.77	-454.47	-8,977.99	9,446.50	9,346.07	100.43	94.059		
2,700.00	2,645.28	2,677.28	2,677.28	13.56	91.78	171.79	-454.47	-8,977.99	9,469.82	9,365.54	104.28	90.815		
2,800.00	2,742.47	2,774.47	2,774.47	14.08	95.17	171.81	-454.47	-8,977.99	9,493.14	9,385.02	108.12	87.800		
2,900.00	2,839.66	2,871.66	2,871.66	14.60	98.56	171.83	-454.47	-8,977.99	9,516.46	9,404.49	111.97	84.991		
3,000.00	2,936.85	2,968.85	2,968.85	15.12	101.95	171.85	-454.47	-8,977.99	9,539.77	9,423.96	115.82	82.368		
3,100.00	3,034.04	3,066.04	3,066.04	15.65	105.34	171.87	-454.47	-8,977.99	9,563.10	9,443.43	119.67	79.913		
3,200.00	3,131.22	3,163.22	3,163.22	16.17	108.73	171.89	-454.47	-8,977.99	9,586.42	9,462.90	123.52	77.610		
3,300.00	3,228.41	3,260.41	3,260.41	16.69	112.12	171.91	-454.47	-8,977.99	9,609.74	9,482.37	127.37	75.446		
3,400.00	3,325.60	3,357.60	3,357.60	17.22	115.52	171.93	-454.47	-8,977.99	9,633.06	9,501.84	131.22	73.409		
3,500.00	3,422.79	3,454.79	3,454.79	17.75	118.91	171.95	-454.47	-8,977.99	9,656.39	9,521.31	135.08	71.487		
3,600.00	3,519.98	3,551.98	3,551.98	18.27	122.30	171.97	-454.47	-8,977.99	9,679.71	9,540.78	138.93	69.672		
3,700.00	3,617.17	3,649.17	3,649.17	18.80	125.69	171.99	-454.47	-8,977.99	9,703.04	9,560.25	142.79	67.954		
3,800.00	3,714.36	3,746.36	3,746.36	19.33	129.08	172.01	-454.47	-8,977.99	9,726.37	9,579.72	146.64	66.327		
3,900.00	3,811.55	3,843.55	3,843.55	19.86	132.47	172.03	-454.47	-8,977.99	9,749.70	9,599.20	150.50	64.782		
4,000.00	3,908.74	3,940.74	3,940.74	20.39	135.87	172.05	-454.47	-8,977.99	9,773.03	9,618.67	154.36	63.314		
4,100.00	4,005.92	4,037.92	4,037.92	20.92	139.26	172.07	-454.47	-8,977.99	9,796.36	9,638.14	158.21	61.918		
4,200.00	4,103.11	4,135.11	4,135.11	21.45	142.65	172.09	-454.47	-8,977.99	9,819.69	9,657.62	162.07	60.588		
4,300.00	4,200.30	4,232.30	4,232.30	21.98	146.04	172.11	-454.47	-8,977.99	9,843.02	9,677.09	165.93	59.320		
4,400.00	4,297.49	4,329.49	4,329.49	22.51	149.43	172.13	-454.47	-8,977.99	9,866.36	9,696.57	169.79	58.109		
4,500.00	4,394.68	4,426.68	4,426.68	23.04	152.83	172.14	-454.47	-8,977.99	9,889.69	9,716.04	173.65	56.952		
4,600.00	4,491.87	4,523.87	4,523.87	23.57	156.22	172.16	-454.47	-8,977.99	9,913.03	9,735.52	177.51	55.846		
4,700.00	4,589.06	4,621.06	4,621.06	24.10	159.61	172.18	-454.47	-8,977.99	9,936.36	9,755.00	181.37	54.786		
4,800.00	4,686.25	4,718.25	4,718.25	24.64	163.00	172.20	-454.47	-8,977.99	9,959.70	9,774.47	185.23	53.770		
4,900.00	4,783.43	4,815.43	4,815.43	25.17	166.39	172.22	-454.47	-8,977.99	9,983.04	9,793.95	189.09	52.796		
7,100.00	6,899.58	6,931.58	6,931.58	35.21	240.26	-2.46	-454.47	-8,977.99	9,979.07	9,707.90	271.17	36.801		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
7,150.00	6,931.26	6,963.26	6,963.26	35.60	241.36	-2.72	-454.47	-8,977.99	9,940.42	9,668.14	272.28	36.508		
7,200.00	6,959.81	7,008.19	6,991.81	36.02	242.93	-3.06	-454.47	-8,977.99	9,899.40	9,625.55	273.85	36.148		
7,250.00	6,985.06	7,017.06	7,017.06	36.47	243.24	-3.51	-454.47	-8,977.99	9,856.28	9,582.12	274.16	35.951		
7,300.00	7,006.84	7,038.84	7,038.84	36.97	244.00	-4.15	-454.47	-8,977.99	9,811.30	9,536.39	274.91	35.689		
7,350.00	7,025.02	7,057.02	7,057.02	37.51	244.64	-5.09	-454.47	-8,977.99	9,764.76	9,489.23	275.53	35.440		
7,400.00	7,039.49	7,071.49	7,071.49	38.09	245.14	-6.63	-454.47	-8,977.99	9,716.94	9,440.91	276.02	35.203		
7,450.00	7,050.17	7,082.17	7,082.17	38.70	245.52	-9.54	-454.47	-8,977.99	9,668.12	9,391.74	276.38	34.981		
7,500.00	7,056.98	7,088.98	7,088.98	39.33	245.75	-16.92	-454.47	-8,977.99	9,618.62	9,342.01	276.61	34.773		
7,550.00	7,059.89	7,108.11	7,091.89	39.99	246.42	-57.60	-454.47	-8,977.99	9,568.74	9,291.47	277.28	34.510		
7,560.55	7,060.00	7,108.00	7,092.00	40.13	246.42	-85.57	-454.47	-8,977.99	9,558.20	9,280.93	277.27	34.472		
7,600.00	7,060.09	7,107.91	7,092.09	40.67	246.41	-85.59	-454.47	-8,977.99	9,518.77	9,241.49	277.27	34.330		
7,700.00	7,060.32	7,107.68	7,092.32	42.14	246.41	-85.64	-454.47	-8,977.99	9,418.81	9,141.54	277.27	33.970		
7,800.00	7,060.55	7,107.45	7,092.55	43.75	246.40	-85.68	-454.47	-8,977.99	9,318.86	9,041.59	277.26	33.610		
7,900.00	7,060.78	7,107.22	7,092.78	45.48	246.39	-85.73	-454.47	-8,977.99	9,218.90	8,941.64	277.26	33.250		
8,000.00	7,061.01	7,106.99	7,093.01	47.33	246.38	-85.77	-454.47	-8,977.99	9,118.95	8,841.69	277.26	32.889		
8,100.00	7,061.24	7,106.76	7,093.24	49.27	246.37	-85.82	-454.47	-8,977.99	9,019.00	8,741.74	277.26	32.529		
8,200.00	7,061.47	7,106.53	7,093.47	51.29	246.37	-85.87	-454.47	-8,977.99	8,919.05	8,641.79	277.27	32.168		
8,300.00	7,061.70	7,106.30	7,093.70	53.40	246.36	-85.91	-454.47	-8,977.99	8,819.10	8,541.83	277.27	31.807		
8,400.00	7,061.93	7,106.07	7,093.93	55.57	246.35	-85.96	-454.47	-8,977.99	8,719.16	8,441.88	277.28	31.445		
8,500.00	7,062.16	7,105.84	7,094.16	57.80	246.34	-86.01	-454.47	-8,977.99	8,619.21	8,341.92	277.29	31.084		
8,600.00	7,062.39	7,105.61	7,094.39	60.08	246.33	-86.05	-454.47	-8,977.99	8,519.27	8,241.97	277.30	30.722		
8,700.00	7,062.63	7,105.38	7,094.63	62.42	246.33	-86.10	-454.47	-8,977.99	8,419.32	8,142.01	277.31	30.361		
8,800.00	7,062.86	7,105.14	7,094.86	64.79	246.32	-86.14	-454.47	-8,977.99	8,319.38	8,042.06	277.32	29.999		
8,900.00	7,063.09	7,104.91	7,095.09	67.20	246.31	-86.19	-454.47	-8,977.99	8,219.44	7,942.10	277.34	29.637		
9,000.00	7,063.32	7,104.68	7,095.32	69.65	246.30	-86.24	-454.47	-8,977.99	8,119.50	7,842.15	277.36	29.275		
9,100.00	7,063.55	7,104.45	7,095.55	72.12	246.29	-86.28	-454.47	-8,977.99	8,019.56	7,742.19	277.38	28.912		
9,200.00	7,063.78	7,104.22	7,095.78	74.63	246.29	-86.33	-454.47	-8,977.99	7,919.63	7,642.23	277.40	28.550		
9,300.00	7,064.01	7,103.99	7,096.01	77.16	246.28	-86.38	-454.47	-8,977.99	7,819.69	7,542.27	277.42	28.187		
9,400.00	7,064.24	7,103.76	7,096.24	79.71	246.27	-86.42	-454.47	-8,977.99	7,719.76	7,442.31	277.45	27.824		
9,500.00	7,064.47	7,103.53	7,096.47	82.28	246.26	-86.47	-454.47	-8,977.99	7,619.83	7,342.36	277.47	27.461		
9,600.00	7,064.70	7,103.30	7,096.70	84.87	246.25	-86.51	-454.47	-8,977.99	7,519.90	7,242.40	277.50	27.098		
9,700.00	7,064.93	7,103.07	7,096.93	87.47	246.24	-86.56	-454.47	-8,977.99	7,419.97	7,142.44	277.54	26.735		
9,800.00	7,065.16	7,102.84	7,097.16	90.09	246.24	-86.61	-454.47	-8,977.99	7,320.05	7,042.48	277.57	26.372		
9,900.00	7,065.39	7,102.61	7,097.39	92.73	246.23	-86.65	-454.47	-8,977.99	7,220.13	6,942.52	277.61	26.008		
10,000.00	7,065.62	7,102.38	7,097.62	95.38	246.22	-86.70	-454.47	-8,977.99	7,120.20	6,842.56	277.65	25.645		
10,100.00	7,065.85	7,102.15	7,097.85	98.04	246.21	-86.75	-454.47	-8,977.99	7,020.29	6,742.60	277.69	25.281		
10,200.00	7,066.08	7,101.92	7,098.08	100.71	246.20	-86.79	-454.47	-8,977.99	6,920.37	6,642.64	277.73	24.917		
10,300.00	7,066.31	7,101.69	7,098.31	103.39	246.20	-86.84	-454.47	-8,977.99	6,820.46	6,542.68	277.78	24.553		
10,400.00	7,066.54	7,101.46	7,098.54	106.08	246.19	-86.88	-454.47	-8,977.99	6,720.54	6,442.71	277.83	24.189		
10,500.00	7,066.77	7,101.23	7,098.77	108.78	246.18	-86.93	-454.47	-8,977.99	6,620.64	6,342.75	277.88	23.825		
10,600.00	7,067.01	7,100.99	7,099.01	111.48	246.17	-86.98	-454.47	-8,977.99	6,520.73	6,242.79	277.94	23.461		
10,700.00	7,067.24	7,100.76	7,099.24	114.20	246.16	-87.02	-454.47	-8,977.99	6,420.83	6,142.83	278.00	23.097		
10,800.00	7,067.47	7,100.53	7,099.47	116.92	246.16	-87.07	-454.47	-8,977.99	6,320.93	6,042.86	278.06	22.732		
10,900.00	7,067.70	7,100.30	7,099.70	119.65	246.15	-87.12	-454.47	-8,977.99	6,221.03	5,942.90	278.13	22.368		
11,000.00	7,067.93	7,100.07	7,099.93	122.38	246.14	-87.16	-454.47	-8,977.99	6,121.14	5,842.94	278.20	22.003		
11,100.00	7,068.16	7,100.16	7,100.16	125.12	246.14	-87.21	-454.47	-8,977.99	6,021.25	5,742.96	278.28	21.637		
11,200.00	7,068.39	7,100.39	7,100.39	127.86	246.15	-87.26	-454.47	-8,977.99	5,921.36	5,642.98	278.38	21.271		
11,300.00	7,068.62	7,100.62	7,100.62	130.61	246.16	-87.30	-454.47	-8,977.99	5,821.48	5,543.00	278.47	20.905		
11,400.00	7,068.85	7,100.85	7,100.85	133.37	246.17	-87.35	-454.47	-8,977.99	5,721.60	5,443.02	278.58	20.539		
11,500.00	7,069.08	7,101.08	7,101.08	136.12	246.18	-87.39	-454.47	-8,977.99	5,621.73	5,343.04	278.68	20.172		
11,600.00	7,069.31	7,101.31	7,101.31	138.89	246.18	-87.44	-454.47	-8,977.99	5,521.86	5,243.06	278.80	19.806		
11,700.00	7,069.54	7,101.54	7,101.54	141.65	246.19	-87.49	-454.47	-8,977.99	5,421.99	5,143.08	278.91	19.440		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
11,800.00	7,069.77	7,101.77	7,101.77	144.42	246.20	-87.53	-454.47	-8,977.99	5,322.13	5,043.10	279.04	19.073		
11,900.00	7,070.00	7,102.00	7,102.00	147.19	246.21	-87.58	-454.47	-8,977.99	5,222.28	4,943.11	279.17	18.707		
12,000.00	7,070.23	7,102.23	7,102.23	149.97	246.22	-87.63	-454.47	-8,977.99	5,122.43	4,843.13	279.30	18.340		
12,100.00	7,070.46	7,102.46	7,102.46	152.75	246.22	-87.67	-454.47	-8,977.99	5,022.59	4,743.14	279.44	17.973		
12,200.00	7,070.69	7,102.69	7,102.69	155.53	246.23	-87.72	-454.47	-8,977.99	4,922.75	4,643.16	279.59	17.607		
12,300.00	7,070.92	7,102.92	7,102.92	158.32	246.24	-87.77	-454.47	-8,977.99	4,822.92	4,543.17	279.75	17.240		
12,400.00	7,071.16	7,103.16	7,103.16	161.10	246.25	-87.81	-454.47	-8,977.99	4,723.10	4,443.18	279.92	16.873		
12,500.00	7,071.39	7,103.39	7,103.39	163.89	246.26	-87.86	-454.47	-8,977.99	4,623.29	4,343.19	280.09	16.506		
12,600.00	7,071.62	7,103.62	7,103.62	166.69	246.26	-87.90	-454.47	-8,977.99	4,523.48	4,243.20	280.28	16.139		
12,700.00	7,071.85	7,103.85	7,103.85	169.48	246.27	-87.95	-454.47	-8,977.99	4,423.68	4,143.21	280.48	15.772		
12,800.00	7,072.08	7,104.08	7,104.08	172.28	246.28	-88.00	-454.47	-8,977.99	4,323.89	4,043.21	280.68	15.405		
12,900.00	7,072.31	7,104.31	7,104.31	175.08	246.29	-88.04	-454.47	-8,977.99	4,224.12	3,943.21	280.90	15.038		
13,000.00	7,072.54	7,104.54	7,104.54	177.88	246.30	-88.09	-454.47	-8,977.99	4,124.35	3,843.21	281.14	14.670		
13,100.00	7,072.77	7,104.77	7,104.77	180.68	246.30	-88.14	-454.47	-8,977.99	4,024.59	3,743.21	281.39	14.303		
13,200.00	7,073.00	7,105.00	7,105.00	183.48	246.31	-88.18	-454.47	-8,977.99	3,924.85	3,643.20	281.65	13.935		
13,300.00	7,073.23	7,105.23	7,105.23	186.29	246.32	-88.23	-454.47	-8,977.99	3,825.12	3,543.19	281.93	13.567		
13,400.00	7,073.46	7,105.46	7,105.46	189.09	246.33	-88.28	-454.47	-8,977.99	3,725.40	3,443.17	282.24	13.200		
13,500.00	7,073.69	7,105.69	7,105.69	191.90	246.34	-88.32	-454.47	-8,977.99	3,625.70	3,343.14	282.56	12.832		
13,600.00	7,073.92	7,105.92	7,105.92	194.71	246.34	-88.37	-454.47	-8,977.99	3,526.02	3,243.11	282.91	12.463		
13,700.00	7,074.15	7,106.15	7,106.15	197.52	246.35	-88.41	-454.47	-8,977.99	3,426.36	3,143.07	283.28	12.095		
13,800.00	7,074.38	7,106.38	7,106.38	200.34	246.36	-88.46	-454.47	-8,977.99	3,326.71	3,043.03	283.69	11.727		
13,900.00	7,074.61	7,106.61	7,106.61	203.15	246.37	-88.51	-454.47	-8,977.99	3,227.09	2,942.97	284.12	11.358		
14,000.00	7,074.84	7,106.84	7,106.84	205.97	246.38	-88.55	-454.47	-8,977.99	3,127.49	2,842.90	284.60	10.989		
14,100.00	7,075.07	7,107.07	7,107.07	208.78	246.38	-88.60	-454.47	-8,977.99	3,027.92	2,742.81	285.11	10.620		
14,200.00	7,075.30	7,107.30	7,107.30	211.60	246.39	-88.65	-454.47	-8,977.99	2,928.38	2,642.71	285.67	10.251		
14,300.00	7,075.54	7,107.54	7,107.54	214.42	246.40	-88.69	-454.47	-8,977.99	2,828.87	2,542.59	286.28	9.882		
14,400.00	7,075.77	7,107.77	7,107.77	217.24	246.41	-88.74	-454.47	-8,977.99	2,729.39	2,442.45	286.95	9.512		
14,500.00	7,076.00	7,108.00	7,108.00	220.06	246.42	-88.79	-454.47	-8,977.99	2,629.96	2,342.28	287.68	9.142		
14,600.00	7,076.23	7,108.23	7,108.23	222.88	246.43	-88.83	-454.47	-8,977.99	2,530.57	2,242.08	288.49	8.772		
14,700.00	7,076.46	7,108.46	7,108.46	225.70	246.43	-88.88	-454.47	-8,977.99	2,431.23	2,141.85	289.38	8.402		
14,800.00	7,076.69	7,108.69	7,108.69	228.53	246.44	-88.93	-454.47	-8,977.99	2,331.94	2,041.58	290.37	8.031		
14,900.00	7,076.92	7,108.92	7,108.92	231.35	246.45	-88.97	-454.47	-8,977.99	2,232.72	1,941.25	291.47	7.660		
15,000.00	7,077.15	7,109.15	7,109.15	234.18	246.46	-89.02	-454.47	-8,977.99	2,133.58	1,840.88	292.70	7.289		
15,100.00	7,077.38	7,109.38	7,109.38	237.00	246.47	-89.06	-454.47	-8,977.99	2,034.51	1,740.43	294.08	6.918		
15,200.00	7,077.61	7,109.61	7,109.61	239.83	246.47	-89.11	-454.47	-8,977.99	1,935.55	1,639.91	295.64	6.547		
15,300.00	7,077.84	7,109.84	7,109.84	242.66	246.48	-89.16	-454.47	-8,977.99	1,836.69	1,539.29	297.40	6.176		
15,400.00	7,078.07	7,110.07	7,110.07	245.49	246.49	-89.20	-454.47	-8,977.99	1,737.97	1,438.56	299.41	5.805		
15,500.00	7,078.30	7,110.30	7,110.30	248.31	246.50	-89.25	-454.47	-8,977.99	1,639.40	1,337.70	301.70	5.434		
15,600.00	7,078.53	7,110.53	7,110.53	251.14	246.51	-89.30	-454.47	-8,977.99	1,541.01	1,236.67	304.34	5.063		
15,700.00	7,078.76	7,110.76	7,110.76	253.97	246.51	-89.34	-454.47	-8,977.99	1,442.85	1,135.44	307.40	4.694		
15,800.00	7,078.99	7,110.99	7,110.99	256.80	246.52	-89.39	-454.47	-8,977.99	1,344.96	1,033.98	310.98	4.325		
15,900.00	7,079.22	7,111.22	7,111.22	259.64	246.53	-89.44	-454.47	-8,977.99	1,247.40	932.22	315.18	3.958		
16,000.00	7,079.45	7,111.45	7,111.45	262.47	246.54	-89.48	-454.47	-8,977.99	1,150.26	830.09	320.17	3.593		
16,100.00	7,079.69	7,111.69	7,111.69	265.30	246.55	-89.53	-454.47	-8,977.99	1,053.65	727.50	326.16	3.231		
16,200.00	7,079.92	7,111.92	7,111.92	268.13	246.55	-89.58	-454.47	-8,977.99	957.75	624.32	333.42	2.872		
16,300.00	7,080.15	7,112.15	7,112.15	270.97	246.56	-89.62	-454.47	-8,977.99	862.77	520.41	342.36	2.520		
16,400.00	7,080.38	7,112.38	7,112.38	273.80	246.57	-89.67	-454.47	-8,977.99	769.07	415.56	353.50	2.176		
16,500.00	7,080.61	7,112.61	7,112.61	276.64	246.58	-89.71	-454.47	-8,977.99	677.17	309.54	367.63	1.842		
16,600.00	7,080.84	7,112.84	7,112.84	279.47	246.59	-89.76	-454.47	-8,977.99	587.92	202.11	385.81	1.524		
16,700.00	7,081.07	7,113.07	7,113.07	282.31	246.59	-89.81	-454.47	-8,977.99	502.73	93.26	409.47	1.228 Level 2		
16,800.00	7,081.30	7,113.30	7,113.30	285.14	246.60	-89.85	-454.47	-8,977.99	424.07	-16.06	440.12	0.964 Level 1		
16,900.00	7,081.53	7,113.53	7,113.53	287.98	246.61	-89.90	-454.47	-8,977.99	356.26	-121.64	477.90	0.745 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
17,000.00	7,081.76	7,113.76	7,113.76	290.82	246.62	-89.95	-454.47	-8,977.99	306.62	-210.33	516.95	0.593	Level 1	
17,100.00	7,081.99	7,113.99	7,113.99	293.65	246.63	-89.99	-454.47	-8,977.99	284.80	-255.14	539.94	0.527	Level 1	
17,114.54	7,082.02	7,114.02	7,114.02	294.07	246.63	-90.00	-454.47	-8,977.99	284.42	-256.27	540.69	0.526	Level 1, CC, ES, SF	
17,200.00	7,082.22	7,114.22	7,114.22	296.49	246.63	-90.04	-454.47	-8,977.99	296.99	-233.60	530.58	0.560	Level 1	
17,300.00	7,082.45	7,114.45	7,114.45	299.33	246.64	-90.09	-454.47	-8,977.99	339.55	-158.23	497.78	0.682	Level 1	
17,400.00	7,082.68	7,114.68	7,114.68	302.17	246.65	-90.13	-454.47	-8,977.99	402.97	-58.01	460.98	0.874	Level 1	
17,500.00	7,082.91	7,114.91	7,114.91	305.01	246.66	-90.18	-454.47	-8,977.99	479.04	49.50	429.54	1.115	Level 2	
17,600.00	7,083.14	7,115.14	7,115.14	307.85	246.67	-90.23	-454.47	-8,977.99	562.64	157.82	404.82	1.390	Level 3	
17,700.00	7,083.37	7,115.37	7,115.37	310.69	246.67	-90.27	-454.47	-8,977.99	650.89	265.17	385.72	1.687		
17,800.00	7,083.60	7,115.60	7,115.60	313.53	246.68	-90.32	-454.47	-8,977.99	742.13	371.27	370.86	2.001		
17,900.00	7,083.84	7,115.84	7,115.84	316.37	246.69	-90.36	-454.47	-8,977.99	835.37	476.24	359.13	2.326		
18,000.00	7,084.07	7,116.07	7,116.07	319.21	246.70	-90.41	-454.47	-8,977.99	930.02	580.27	349.74	2.659		
18,100.00	7,084.30	7,116.30	7,116.30	322.05	246.71	-90.46	-454.47	-8,977.99	1,025.68	683.57	342.11	2.998		
18,200.00	7,084.53	7,116.53	7,116.53	324.89	246.71	-90.50	-454.47	-8,977.99	1,122.10	786.28	335.82	3.341		
18,300.00	7,084.76	7,116.76	7,116.76	327.73	246.72	-90.55	-454.47	-8,977.99	1,219.10	888.52	330.58	3.688		
18,400.00	7,084.99	7,116.99	7,116.99	330.57	246.73	-90.60	-454.47	-8,977.99	1,316.55	990.38	326.17	4.036		
18,500.00	7,085.22	7,117.22	7,117.22	333.41	246.74	-90.64	-454.47	-8,977.99	1,414.35	1,091.93	322.42	4.387		
18,600.00	7,085.45	7,117.45	7,117.45	336.26	246.75	-90.69	-454.47	-8,977.99	1,512.44	1,193.24	319.20	4.738		
18,700.00	7,085.68	7,117.68	7,117.68	339.10	246.75	-90.74	-454.47	-8,977.99	1,610.77	1,294.34	316.42	5.091		
18,800.00	7,085.91	7,117.91	7,117.91	341.94	246.76	-90.78	-454.47	-8,977.99	1,709.29	1,395.27	314.01	5.443		
18,839.14	7,086.00	7,118.00	7,118.00	343.06	246.77	-90.80	-454.47	-8,977.99	1,747.89	1,434.74	313.15	5.582		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-97.29	-1,240.38	-9,702.20	9,781.16					
100.00	100.00	113.00	113.00	3.28	3.95	-97.29	-1,240.38	-9,702.20	9,781.16	9,773.93	7.23	1,352.147		
200.00	200.00	213.00	213.00	3.34	6.57	-97.29	-1,240.38	-9,702.20	9,781.16	9,771.26	9.91	987.497		
300.00	300.00	313.00	313.00	3.44	9.75	-97.29	-1,240.38	-9,702.20	9,781.16	9,767.97	13.19	741.304		
400.00	399.98	412.98	412.98	3.60	13.09	167.20	-1,240.38	-9,702.20	9,782.87	9,766.18	16.69	586.194		
500.00	499.84	512.84	512.84	3.80	16.49	167.18	-1,240.38	-9,702.20	9,787.97	9,767.68	20.29	482.522		
600.00	599.45	612.45	612.45	4.04	19.91	167.16	-1,240.38	-9,702.20	9,796.47	9,772.52	23.94	409.134		
700.00	698.70	711.70	711.70	4.31	23.33	167.12	-1,240.38	-9,702.20	9,808.35	9,780.71	27.64	354.818		
800.00	797.47	810.47	810.47	4.62	26.75	167.07	-1,240.38	-9,702.20	9,823.61	9,792.24	31.37	313.194		
900.00	895.62	908.62	908.62	4.97	30.15	167.01	-1,240.38	-9,702.20	9,842.22	9,807.12	35.10	280.404		
980.89	974.49	987.49	987.49	5.27	32.89	166.95	-1,240.38	-9,702.20	9,859.71	9,821.59	38.12	258.625		
1,000.00	993.07	1,006.07	1,006.07	5.34	33.54	166.96	-1,240.38	-9,702.20	9,864.11	9,825.26	38.84	253.965		
1,100.00	1,090.26	1,103.26	1,103.26	5.75	36.92	166.99	-1,240.38	-9,702.20	9,887.08	9,844.50	42.58	232.203		
1,200.00	1,187.45	1,200.45	1,200.45	6.17	40.30	167.02	-1,240.38	-9,702.20	9,910.05	9,863.71	46.34	213.868		
1,300.00	1,284.64	1,302.36	1,297.64	6.62	43.84	167.05	-1,240.38	-9,702.20	9,933.03	9,882.75	50.27	197.575		
1,400.00	1,381.83	1,405.17	1,394.83	7.07	47.42	167.08	-1,240.38	-9,702.20	9,956.00	9,901.75	54.26	183.500		
1,500.00	1,479.01	1,507.99	1,492.01	7.54	51.00	167.11	-1,240.38	-9,702.20	9,978.99	9,920.74	58.25	171.319		
7,900.00	7,060.78	7,073.78	7,073.78	45.48	245.22	-88.77	-1,240.38	-9,702.20	9,999.87	9,723.45	276.42	36.176		
8,000.00	7,061.01	7,074.01	7,074.01	47.33	245.23	-88.78	-1,240.38	-9,702.20	9,900.45	9,623.97	276.48	35.810		
8,100.00	7,061.24	7,074.24	7,074.24	49.27	245.24	-88.79	-1,240.38	-9,702.20	9,801.04	9,524.50	276.53	35.442		
8,200.00	7,061.47	7,074.47	7,074.47	51.29	245.25	-88.81	-1,240.38	-9,702.20	9,701.64	9,425.04	276.60	35.075		
8,300.00	7,061.70	7,074.70	7,074.70	53.40	245.25	-88.82	-1,240.38	-9,702.20	9,602.25	9,325.58	276.67	34.706		
8,400.00	7,061.93	7,074.93	7,074.93	55.57	245.26	-88.83	-1,240.38	-9,702.20	9,502.87	9,226.12	276.75	34.337		
8,500.00	7,062.16	7,075.16	7,075.16	57.80	245.27	-88.84	-1,240.38	-9,702.20	9,403.51	9,126.68	276.84	33.968		
8,600.00	7,062.39	7,075.39	7,075.39	60.08	245.28	-88.86	-1,240.38	-9,702.20	9,304.17	9,027.24	276.93	33.598		
8,700.00	7,062.63	7,075.63	7,075.63	62.42	245.29	-88.87	-1,240.38	-9,702.20	9,204.83	8,927.81	277.03	33.227		
8,800.00	7,062.86	7,075.86	7,075.86	64.79	245.30	-88.88	-1,240.38	-9,702.20	9,105.51	8,828.38	277.13	32.856		
8,900.00	7,063.09	7,076.09	7,076.09	67.20	245.30	-88.89	-1,240.38	-9,702.20	9,006.21	8,728.96	277.25	32.484		
9,000.00	7,063.32	7,076.32	7,076.32	69.65	245.31	-88.90	-1,240.38	-9,702.20	8,906.92	8,629.55	277.37	32.112		
9,100.00	7,063.55	7,076.55	7,076.55	72.12	245.32	-88.92	-1,240.38	-9,702.20	8,807.65	8,530.15	277.50	31.739		
9,200.00	7,063.78	7,076.78	7,076.78	74.63	245.33	-88.93	-1,240.38	-9,702.20	8,708.39	8,430.75	277.64	31.365		
9,300.00	7,064.01	7,077.01	7,077.01	77.16	245.34	-88.94	-1,240.38	-9,702.20	8,609.16	8,331.36	277.79	30.991		
9,400.00	7,064.24	7,077.24	7,077.24	79.71	245.34	-88.95	-1,240.38	-9,702.20	8,509.93	8,231.98	277.95	30.617		
9,500.00	7,064.47	7,077.47	7,077.47	82.28	245.35	-88.97	-1,240.38	-9,702.20	8,410.73	8,132.61	278.12	30.241		
9,600.00	7,064.70	7,077.70	7,077.70	84.87	245.36	-88.98	-1,240.38	-9,702.20	8,311.55	8,033.25	278.30	29.865		
9,700.00	7,064.93	7,077.93	7,077.93	87.47	245.37	-88.99	-1,240.38	-9,702.20	8,212.39	7,933.89	278.49	29.489		
9,800.00	7,065.16	7,078.16	7,078.16	90.09	245.38	-89.00	-1,240.38	-9,702.20	8,113.24	7,834.55	278.70	29.112		
9,900.00	7,065.39	7,078.39	7,078.39	92.73	245.38	-89.02	-1,240.38	-9,702.20	8,014.12	7,735.21	278.91	28.734		
10,000.00	7,065.62	7,078.62	7,078.62	95.38	245.39	-89.03	-1,240.38	-9,702.20	7,915.02	7,635.89	279.14	28.355		
10,100.00	7,065.85	7,078.85	7,078.85	98.04	245.40	-89.04	-1,240.38	-9,702.20	7,815.95	7,536.57	279.38	27.976		
10,200.00	7,066.08	7,079.08	7,079.08	100.71	245.41	-89.05	-1,240.38	-9,702.20	7,716.90	7,437.27	279.63	27.597		
10,300.00	7,066.31	7,079.31	7,079.31	103.39	245.42	-89.07	-1,240.38	-9,702.20	7,617.87	7,337.97	279.90	27.217		
10,400.00	7,066.54	7,079.54	7,079.54	106.08	245.42	-89.08	-1,240.38	-9,702.20	7,518.87	7,238.69	280.18	26.836		
10,500.00	7,066.77	7,079.77	7,079.77	108.78	245.43	-89.09	-1,240.38	-9,702.20	7,419.89	7,139.41	280.48	26.454		
10,600.00	7,067.01	7,080.01	7,080.01	111.48	245.44	-89.10	-1,240.38	-9,702.20	7,320.94	7,040.15	280.79	26.072		
10,700.00	7,067.24	7,080.24	7,080.24	114.20	245.45	-89.12	-1,240.38	-9,702.20	7,222.03	6,940.90	281.12	25.690		
10,800.00	7,067.47	7,080.47	7,080.47	116.92	245.46	-89.13	-1,240.38	-9,702.20	7,123.14	6,841.66	281.47	25.307		
10,900.00	7,067.70	7,080.70	7,080.70	119.65	245.46	-89.14	-1,240.38	-9,702.20	7,024.28	6,742.44	281.84	24.923		
11,000.00	7,067.93	7,080.93	7,080.93	122.38	245.47	-89.15	-1,240.38	-9,702.20	6,925.46	6,643.23	282.23	24.539		
11,100.00	7,068.16	7,081.16	7,081.16	125.12	245.48	-89.16	-1,240.38	-9,702.20	6,826.67	6,544.03	282.64	24.154		
11,200.00	7,068.39	7,081.39	7,081.39	127.86	245.49	-89.18	-1,240.38	-9,702.20	6,727.91	6,444.85	283.06	23.768		
11,300.00	7,068.62	7,081.62	7,081.62	130.61	245.50	-89.19	-1,240.38	-9,702.20	6,629.20	6,345.68	283.51	23.382		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
11,400.00	7,068.85	7,081.85	7,081.85	133.37	245.50	-89.20	-1,240.38	-9,702.20	6,530.52	6,246.53	283.99	22.996		
11,500.00	7,069.08	7,082.08	7,082.08	136.12	245.51	-89.21	-1,240.38	-9,702.20	6,431.88	6,147.40	284.48	22.609		
11,600.00	7,069.31	7,082.31	7,082.31	138.89	245.52	-89.23	-1,240.38	-9,702.20	6,333.29	6,048.28	285.01	22.221		
11,700.00	7,069.54	7,082.54	7,082.54	141.65	245.53	-89.24	-1,240.38	-9,702.20	6,234.74	5,949.18	285.56	21.834		
11,800.00	7,069.77	7,082.77	7,082.77	144.42	245.54	-89.25	-1,240.38	-9,702.20	6,136.24	5,850.10	286.14	21.445		
11,900.00	7,070.00	7,083.00	7,083.00	147.19	245.54	-89.26	-1,240.38	-9,702.20	6,037.79	5,751.05	286.74	21.057		
12,000.00	7,070.23	7,083.23	7,083.23	149.97	245.55	-89.28	-1,240.38	-9,702.20	5,939.39	5,652.01	287.38	20.667		
12,100.00	7,070.46	7,083.46	7,083.46	152.75	245.56	-89.29	-1,240.38	-9,702.20	5,841.04	5,552.99	288.05	20.278		
12,200.00	7,070.69	7,083.69	7,083.69	155.53	245.57	-89.30	-1,240.38	-9,702.20	5,742.75	5,454.00	288.75	19.888		
12,300.00	7,070.92	7,083.92	7,083.92	158.32	245.58	-89.31	-1,240.38	-9,702.20	5,644.52	5,355.03	289.49	19.498		
12,400.00	7,071.16	7,084.16	7,084.16	161.10	245.58	-89.33	-1,240.38	-9,702.20	5,546.35	5,256.08	290.27	19.108		
12,500.00	7,071.39	7,084.39	7,084.39	163.89	245.59	-89.34	-1,240.38	-9,702.20	5,448.25	5,157.17	291.09	18.717		
12,600.00	7,071.62	7,084.62	7,084.62	166.69	245.60	-89.35	-1,240.38	-9,702.20	5,350.23	5,058.28	291.95	18.326		
12,700.00	7,071.85	7,084.85	7,084.85	169.48	245.61	-89.36	-1,240.38	-9,702.20	5,252.27	4,959.42	292.85	17.935		
12,800.00	7,072.08	7,085.08	7,085.08	172.28	245.62	-89.38	-1,240.38	-9,702.20	5,154.39	4,860.60	293.80	17.544		
12,900.00	7,072.31	7,085.31	7,085.31	175.08	245.62	-89.39	-1,240.38	-9,702.20	5,056.60	4,761.81	294.79	17.153		
13,000.00	7,072.54	7,085.54	7,085.54	177.88	245.63	-89.40	-1,240.38	-9,702.20	4,958.90	4,663.05	295.84	16.762		
13,100.00	7,072.77	7,085.77	7,085.77	180.68	245.64	-89.41	-1,240.38	-9,702.20	4,861.28	4,564.34	296.94	16.371		
13,200.00	7,073.00	7,086.00	7,086.00	183.48	245.65	-89.42	-1,240.38	-9,702.20	4,763.77	4,465.67	298.10	15.980		
13,300.00	7,073.23	7,086.23	7,086.23	186.29	245.66	-89.44	-1,240.38	-9,702.20	4,666.36	4,367.04	299.33	15.590		
13,400.00	7,073.46	7,086.46	7,086.46	189.09	245.67	-89.45	-1,240.38	-9,702.20	4,569.07	4,268.46	300.61	15.199		
13,500.00	7,073.69	7,086.69	7,086.69	191.90	245.67	-89.46	-1,240.38	-9,702.20	4,471.89	4,169.92	301.97	14.809		
13,600.00	7,073.92	7,086.92	7,086.92	194.71	245.68	-89.47	-1,240.38	-9,702.20	4,374.84	4,071.45	303.39	14.420		
13,700.00	7,074.15	7,087.15	7,087.15	197.52	245.69	-89.49	-1,240.38	-9,702.20	4,277.93	3,973.03	304.90	14.031		
13,800.00	7,074.38	7,087.38	7,087.38	200.34	245.70	-89.50	-1,240.38	-9,702.20	4,181.16	3,874.67	306.49	13.642		
13,900.00	7,074.61	7,087.61	7,087.61	203.15	245.71	-89.51	-1,240.38	-9,702.20	4,084.55	3,776.39	308.16	13.255		
14,000.00	7,074.84	7,087.84	7,087.84	205.97	245.71	-89.52	-1,240.38	-9,702.20	3,988.10	3,678.17	309.93	12.868		
14,100.00	7,075.07	7,088.07	7,088.07	208.78	245.72	-89.54	-1,240.38	-9,702.20	3,891.84	3,580.04	311.80	12.482		
14,200.00	7,075.30	7,088.30	7,088.30	211.60	245.73	-89.55	-1,240.38	-9,702.20	3,795.76	3,481.99	313.78	12.097		
14,300.00	7,075.54	7,088.54	7,088.54	214.42	245.74	-89.56	-1,240.38	-9,702.20	3,699.90	3,384.03	315.87	11.713		
14,400.00	7,075.77	7,088.77	7,088.77	217.24	245.75	-89.57	-1,240.38	-9,702.20	3,604.26	3,286.18	318.08	11.331		
14,500.00	7,076.00	7,089.00	7,089.00	220.06	245.75	-89.59	-1,240.38	-9,702.20	3,508.86	3,188.43	320.43	10.951		
14,600.00	7,076.23	7,089.23	7,089.23	222.88	245.76	-89.60	-1,240.38	-9,702.20	3,413.73	3,090.81	322.92	10.572		
14,700.00	7,076.46	7,089.46	7,089.46	225.70	245.77	-89.61	-1,240.38	-9,702.20	3,318.88	2,993.33	325.56	10.194		
14,800.00	7,076.69	7,089.69	7,089.69	228.53	245.78	-89.62	-1,240.38	-9,702.20	3,224.35	2,895.98	328.36	9.819		
14,900.00	7,076.92	7,089.92	7,089.92	231.35	245.79	-89.64	-1,240.38	-9,702.20	3,130.15	2,798.80	331.35	9.447		
15,000.00	7,077.15	7,109.85	7,090.15	234.18	246.48	-89.65	-1,240.38	-9,702.20	3,036.33	2,701.11	335.21	9.058		
15,100.00	7,077.38	7,109.62	7,090.38	237.00	246.47	-89.66	-1,240.38	-9,702.20	2,942.91	2,604.33	338.58	8.692		
15,200.00	7,077.61	7,109.39	7,090.61	239.83	246.47	-89.67	-1,240.38	-9,702.20	2,849.94	2,507.76	342.18	8.329		
15,300.00	7,077.84	7,109.16	7,090.84	242.66	246.46	-89.69	-1,240.38	-9,702.20	2,757.46	2,411.44	346.02	7.969		
15,400.00	7,078.07	7,108.93	7,091.07	245.49	246.45	-89.70	-1,240.38	-9,702.20	2,665.52	2,315.40	350.12	7.613		
15,500.00	7,078.30	7,108.70	7,091.30	248.31	246.44	-89.71	-1,240.38	-9,702.20	2,574.19	2,219.67	354.52	7.261		
15,600.00	7,078.53	7,108.47	7,091.53	251.14	246.43	-89.72	-1,240.38	-9,702.20	2,483.52	2,124.29	359.23	6.914		
15,700.00	7,078.76	7,108.24	7,091.76	253.97	246.43	-89.73	-1,240.38	-9,702.20	2,393.59	2,029.31	364.28	6.571		
15,800.00	7,078.99	7,108.01	7,091.99	256.80	246.42	-89.75	-1,240.38	-9,702.20	2,304.50	1,934.80	369.71	6.233		
15,900.00	7,079.22	7,107.78	7,092.22	259.64	246.41	-89.76	-1,240.38	-9,702.20	2,216.34	1,840.80	375.54	5.902		
16,000.00	7,079.45	7,107.55	7,092.45	262.47	246.40	-89.77	-1,240.38	-9,702.20	2,129.22	1,747.41	381.81	5.577		
16,100.00	7,079.69	7,107.32	7,092.69	265.30	246.39	-89.78	-1,240.38	-9,702.20	2,043.29	1,654.73	388.56	5.259		
16,200.00	7,079.92	7,107.08	7,092.92	268.13	246.39	-89.80	-1,240.38	-9,702.20	1,958.68	1,562.86	395.82	4.948		
16,300.00	7,080.15	7,106.85	7,093.15	270.97	246.38	-89.81	-1,240.38	-9,702.20	1,875.60	1,471.95	403.65	4.647		
16,400.00	7,080.38	7,106.62	7,093.38	273.80	246.37	-89.82	-1,240.38	-9,702.20	1,794.24	1,382.18	412.06	4.354		
16,500.00	7,080.61	7,106.39	7,093.61	276.64	246.36	-89.83	-1,240.38	-9,702.20	1,714.86	1,293.76	421.10	4.072		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
16,600.00	7,080.84	7,106.16	7,093.84	279.47	246.35	-89.85	-1,240.38	-9,702.20	1,637.73	1,206.94	430.79	3.802		
16,700.00	7,081.07	7,105.93	7,094.07	282.31	246.34	-89.86	-1,240.38	-9,702.20	1,563.20	1,122.05	441.15	3.543		
16,800.00	7,081.30	7,105.70	7,094.30	285.14	246.34	-89.87	-1,240.38	-9,702.20	1,491.65	1,039.49	452.16	3.299		
16,900.00	7,081.53	7,105.47	7,094.53	287.98	246.33	-89.88	-1,240.38	-9,702.20	1,423.53	959.74	463.79	3.069		
17,000.00	7,081.76	7,105.24	7,094.76	290.82	246.32	-89.90	-1,240.38	-9,702.20	1,359.37	883.41	475.95	2.856		
17,100.00	7,081.99	7,105.01	7,094.99	293.65	246.31	-89.91	-1,240.38	-9,702.20	1,299.73	811.22	488.51	2.661		
17,200.00	7,082.22	7,104.78	7,095.22	296.49	246.30	-89.92	-1,240.38	-9,702.20	1,245.29	744.05	501.24	2.484		
17,300.00	7,082.45	7,104.55	7,095.45	299.33	246.30	-89.93	-1,240.38	-9,702.20	1,196.73	682.88	513.85	2.329		
17,400.00	7,082.68	7,104.32	7,095.68	302.17	246.29	-89.95	-1,240.38	-9,702.20	1,154.81	628.87	525.94	2.196		
17,500.00	7,082.91	7,104.09	7,095.91	305.01	246.28	-89.96	-1,240.38	-9,702.20	1,120.28	583.22	537.06	2.086		
17,600.00	7,083.14	7,103.86	7,096.14	307.85	246.27	-89.97	-1,240.38	-9,702.20	1,093.82	547.14	546.69	2.001		
17,700.00	7,083.37	7,103.63	7,096.37	310.69	246.26	-89.98	-1,240.38	-9,702.20	1,076.05	521.72	554.32	1.941		
17,800.00	7,083.60	7,103.40	7,096.60	313.53	246.26	-89.99	-1,240.38	-9,702.20	1,067.38	507.82	559.56	1.908		
17,842.86	7,083.70	7,103.30	7,096.70	314.74	246.25	-90.00	-1,240.38	-9,702.20	1,066.52	505.53	561.00	1.901	CC, ES	
17,900.00	7,083.84	7,103.17	7,096.84	316.37	246.25	-90.01	-1,240.38	-9,702.20	1,068.05	505.92	562.13	1.900	SF	
18,000.00	7,084.07	7,102.93	7,097.07	319.21	246.24	-90.02	-1,240.38	-9,702.20	1,078.04	516.05	561.99	1.918		
18,100.00	7,084.30	7,102.70	7,097.30	322.05	246.23	-90.03	-1,240.38	-9,702.20	1,097.08	537.81	559.27	1.962		
18,200.00	7,084.53	7,102.47	7,097.53	324.89	246.22	-90.04	-1,240.38	-9,702.20	1,124.73	570.41	554.31	2.029		
18,300.00	7,084.76	7,102.24	7,097.76	327.73	246.22	-90.06	-1,240.38	-9,702.20	1,160.36	612.83	547.54	2.119		
18,400.00	7,084.99	7,102.01	7,097.99	330.57	246.21	-90.07	-1,240.38	-9,702.20	1,203.27	663.86	539.41	2.231		
18,500.00	7,085.22	7,101.78	7,098.22	333.41	246.20	-90.08	-1,240.38	-9,702.20	1,252.72	722.33	530.39	2.362		
18,600.00	7,085.45	7,101.55	7,098.45	336.26	246.19	-90.09	-1,240.38	-9,702.20	1,307.95	787.09	520.85	2.511		
18,700.00	7,085.68	7,101.32	7,098.68	339.10	246.18	-90.11	-1,240.38	-9,702.20	1,368.27	857.14	511.13	2.677		
18,800.00	7,085.91	7,101.09	7,098.91	341.94	246.18	-90.12	-1,240.38	-9,702.20	1,433.03	931.57	501.46	2.858		
18,839.14	7,086.00	7,101.00	7,099.00	343.06	246.17	-90.12	-1,240.38	-9,702.20	1,459.46	961.74	497.73	2.932		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	23.92	23.92	3.28	3.28	-89.56	75.15	-9,701.68	9,701.97					
100.00	100.00	115.80	115.80	3.28	3.29	-89.56	75.33	-9,701.74	9,702.04	9,695.46	6.58	1,475.195		
200.00	200.00	207.16	207.16	3.34	3.35	-89.55	75.71	-9,701.87	9,702.19	9,695.50	6.69	1,451.254		
300.00	300.00	298.95	298.95	3.44	3.45	-89.55	76.11	-9,702.09	9,702.42	9,695.53	6.89	1,407.418		
400.00	399.98	418.43	418.43	3.60	3.64	174.94	76.34	-9,702.29	9,704.33	9,697.09	7.24	1,340.585		
500.00	499.84	521.78	521.78	3.80	3.85	174.93	76.25	-9,702.34	9,709.59	9,701.94	7.65	1,269.368		
600.00	599.45	617.05	617.05	4.04	4.08	174.92	76.13	-9,702.42	9,718.35	9,710.23	8.12	1,197.345		
700.00	698.70	738.75	738.74	4.31	4.41	174.91	76.21	-9,702.39	9,730.47	9,721.75	8.72	1,116.000		
800.00	797.47	851.44	851.43	4.62	4.74	174.89	76.19	-9,702.11	9,745.81	9,736.45	9.36	1,041.537		
900.00	895.62	931.96	931.96	4.97	5.00	174.86	75.97	-9,701.91	9,764.57	9,754.63	9.94	982.328		
980.89	974.49	981.99	981.99	5.27	5.16	174.83	75.81	-9,701.93	9,782.47	9,772.08	10.39	941.828		
1,000.00	993.07	1,000.00	1,000.00	5.34	5.22	174.84	75.76	-9,701.98	9,787.00	9,776.48	10.52	930.550		
1,100.00	1,090.26	1,100.00	1,103.18	5.75	5.56	174.85	75.35	-9,702.12	9,810.58	9,799.36	11.21	874.851		
1,200.00	1,187.45	1,169.25	1,169.24	6.17	5.80	174.85	74.98	-9,702.26	9,834.26	9,822.44	11.83	831.436		
1,300.00	1,284.64	1,272.91	1,272.90	6.62	6.17	174.86	74.33	-9,702.82	9,858.24	9,845.66	12.59	783.309		
1,400.00	1,381.83	1,360.96	1,360.94	7.07	6.49	174.87	73.78	-9,703.14	9,882.06	9,868.75	13.30	742.780		
1,500.00	1,479.01	1,437.32	1,437.31	7.54	6.78	174.88	73.45	-9,703.60	9,906.08	9,892.09	13.99	707.946		
1,600.00	1,576.20	1,519.73	1,519.71	8.02	7.09	174.88	72.99	-9,704.24	9,930.28	9,915.57	14.72	674.812		
1,700.00	1,673.39	1,615.28	1,615.26	8.50	7.45	174.89	72.55	-9,705.05	9,954.56	9,939.06	15.50	642.214		
1,800.00	1,770.58	1,719.21	1,719.18	8.99	7.86	174.90	72.23	-9,705.89	9,978.80	9,962.47	16.33	611.124		
7,900.00	7,060.78	7,043.31	7,042.95	45.48	30.11	76.24	98.84	-9,740.22	9,977.67	9,916.83	60.84	164.002		
8,000.00	7,061.01	7,043.97	7,043.60	47.33	30.11	76.37	98.84	-9,740.23	9,877.71	9,816.87	60.84	162.345		
8,100.00	7,061.24	7,044.62	7,044.26	49.27	30.12	76.50	98.84	-9,740.23	9,777.75	9,716.90	60.85	160.685		
8,200.00	7,061.47	7,045.28	7,044.91	51.29	30.12	76.63	98.85	-9,740.23	9,677.79	9,616.94	60.86	159.021		
8,300.00	7,061.70	7,045.93	7,045.57	53.40	30.12	76.76	98.85	-9,740.24	9,577.84	9,516.97	60.87	157.354		
8,400.00	7,061.93	7,046.59	7,046.22	55.57	30.12	76.89	98.86	-9,740.24	9,477.88	9,417.00	60.88	155.684		
8,500.00	7,062.16	7,047.24	7,046.88	57.80	30.13	77.02	98.86	-9,740.24	9,377.92	9,317.03	60.89	154.010		
8,600.00	7,062.39	7,047.90	7,047.53	60.08	30.13	77.15	98.86	-9,740.24	9,277.97	9,217.06	60.91	152.334		
8,700.00	7,062.63	7,048.55	7,048.19	62.42	30.13	77.28	98.87	-9,740.25	9,178.01	9,117.09	60.92	150.654		
8,800.00	7,062.86	7,049.21	7,048.84	64.79	30.14	77.41	98.87	-9,740.25	9,078.06	9,017.12	60.94	148.972		
8,900.00	7,063.09	7,049.86	7,049.50	67.20	30.14	77.55	98.87	-9,740.25	8,978.11	8,917.15	60.96	147.286		
9,000.00	7,063.32	7,050.52	7,050.15	69.65	30.14	77.68	98.88	-9,740.25	8,878.16	8,817.18	60.98	145.598		
9,100.00	7,063.55	7,051.17	7,050.81	72.12	30.14	77.81	98.88	-9,740.26	8,778.21	8,717.21	61.00	143.907		
9,200.00	7,063.78	7,051.83	7,051.46	74.63	30.15	77.94	98.88	-9,740.26	8,678.26	8,617.24	61.02	142.213		
9,300.00	7,064.01	7,052.48	7,052.12	77.16	30.15	78.07	98.89	-9,740.26	8,578.31	8,517.26	61.05	140.517		
9,400.00	7,064.24	7,053.13	7,052.77	79.71	30.15	78.20	98.89	-9,740.27	8,478.37	8,417.29	61.08	138.818		
9,500.00	7,064.47	7,053.79	7,053.43	82.28	30.16	78.33	98.90	-9,740.27	8,378.42	8,317.32	61.10	137.117		
9,600.00	7,064.70	7,054.44	7,054.08	84.87	30.16	78.47	98.90	-9,740.27	8,278.48	8,217.34	61.13	135.414		
9,700.00	7,064.93	7,055.10	7,054.74	87.47	30.16	78.60	98.90	-9,740.27	8,178.53	8,117.37	61.17	133.708		
9,800.00	7,065.16	7,055.75	7,055.39	90.09	30.16	78.73	98.91	-9,740.28	8,078.59	8,017.39	61.20	132.000		
9,900.00	7,065.39	7,056.41	7,056.05	92.73	30.17	78.86	98.91	-9,740.28	7,978.65	7,917.41	61.24	130.290		
10,000.00	7,065.62	7,057.06	7,056.70	95.38	30.17	79.00	98.91	-9,740.28	7,878.71	7,817.44	61.28	128.578		
10,100.00	7,065.85	7,057.72	7,057.35	98.04	30.17	79.13	98.92	-9,740.29	7,778.78	7,717.46	61.32	126.864		
10,200.00	7,066.08	7,058.37	7,058.01	100.71	30.18	79.26	98.92	-9,740.29	7,678.84	7,617.48	61.36	125.148		
10,300.00	7,066.31	7,059.03	7,058.66	103.39	30.18	79.39	98.92	-9,740.29	7,578.91	7,517.50	61.40	123.430		
10,400.00	7,066.54	7,059.68	7,059.32	106.08	30.18	79.53	98.93	-9,740.29	7,478.98	7,417.53	61.45	121.710		
10,500.00	7,066.77	7,060.34	7,059.97	108.78	30.18	79.66	98.93	-9,740.30	7,379.05	7,317.55	61.50	119.988		
10,600.00	7,067.01	7,060.99	7,060.63	111.48	30.19	79.79	98.94	-9,740.30	7,279.12	7,217.57	61.55	118.265		
10,700.00	7,067.24	7,061.65	7,061.28	114.20	30.19	79.93	98.94	-9,740.30	7,179.19	7,117.59	61.60	116.541		
10,800.00	7,067.47	7,062.30	7,061.94	116.92	30.19	80.06	98.94	-9,740.31	7,079.27	7,017.61	61.66	114.814		
10,900.00	7,067.70	7,062.96	7,062.59	119.65	30.19	80.19	98.95	-9,740.31	6,979.34	6,917.63	61.72	113.086		
11,000.00	7,067.93	7,063.61	7,063.25	122.38	30.20	80.33	98.95	-9,740.31	6,879.42	6,817.65	61.78	111.357		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,068.16	7,064.27	7,063.90	125.12	30.20	80.46	98.95	-9,740.31	6,779.51	6,717.66	61.84	109.626		
11,200.00	7,068.39	7,064.92	7,064.56	127.86	30.20	80.60	98.96	-9,740.32	6,679.59	6,617.68	61.91	107.894		
11,300.00	7,068.62	7,065.58	7,065.21	130.61	30.21	80.73	98.96	-9,740.32	6,579.68	6,517.70	61.98	106.161		
11,400.00	7,068.85	7,066.23	7,065.87	133.37	30.21	80.86	98.96	-9,740.32	6,479.77	6,417.72	62.05	104.426		
11,500.00	7,069.08	7,066.89	7,066.52	136.12	30.21	81.00	98.97	-9,740.32	6,379.86	6,317.73	62.13	102.691		
11,600.00	7,069.31	7,067.54	7,067.18	138.89	30.21	81.13	98.97	-9,740.33	6,279.96	6,217.75	62.21	100.954		
11,700.00	7,069.54	7,068.20	7,067.83	141.65	30.22	81.27	98.97	-9,740.33	6,180.05	6,117.76	62.29	99.215		
11,800.00	7,069.77	7,068.85	7,068.49	144.42	30.22	81.40	98.98	-9,740.33	6,080.16	6,017.78	62.38	97.476		
11,900.00	7,070.00	7,069.51	7,069.14	147.19	30.22	81.53	98.98	-9,740.34	5,980.26	5,917.79	62.47	95.736		
12,000.00	7,070.23	7,070.16	7,069.80	149.97	30.23	81.67	98.99	-9,740.34	5,880.37	5,817.81	62.56	93.994		
12,100.00	7,070.46	7,070.82	7,070.45	152.75	30.23	81.80	98.99	-9,740.34	5,780.48	5,717.82	62.66	92.252		
12,200.00	7,070.69	7,071.47	7,071.11	155.53	30.23	81.94	98.99	-9,740.34	5,680.60	5,617.83	62.76	90.508		
12,300.00	7,070.92	7,072.12	7,071.76	158.32	30.23	82.07	99.00	-9,740.35	5,580.72	5,517.84	62.87	88.763		
12,400.00	7,071.16	7,072.78	7,072.42	161.10	30.24	82.21	99.00	-9,740.35	5,480.84	5,417.86	62.99	87.017		
12,500.00	7,071.39	7,073.43	7,073.07	163.89	30.24	82.34	99.00	-9,740.35	5,380.97	5,317.86	63.10	85.271		
12,600.00	7,071.62	7,074.09	7,073.73	166.69	30.24	82.48	99.01	-9,740.36	5,281.10	5,217.87	63.23	83.523		
12,700.00	7,071.85	7,074.74	7,074.38	169.48	30.24	82.61	99.01	-9,740.36	5,181.24	5,117.88	63.36	81.774		
12,800.00	7,072.08	7,075.40	7,075.03	172.28	30.25	82.75	99.01	-9,740.36	5,081.39	5,017.89	63.50	80.024		
12,900.00	7,072.31	7,076.05	7,075.69	175.08	30.25	82.88	99.02	-9,740.36	4,981.54	4,917.89	63.64	78.273		
13,000.00	7,072.54	7,076.71	7,076.34	177.88	30.25	83.02	99.02	-9,740.37	4,881.69	4,817.90	63.80	76.521		
13,100.00	7,072.77	7,077.36	7,077.00	180.68	30.26	83.16	99.03	-9,740.37	4,781.85	4,717.90	63.96	74.767		
13,200.00	7,073.00	7,078.02	7,077.65	183.48	30.26	83.29	99.03	-9,740.37	4,682.02	4,617.90	64.13	73.013		
13,300.00	7,073.23	7,078.67	7,078.31	186.29	30.26	83.43	99.03	-9,740.38	4,582.20	4,517.89	64.31	71.257		
13,400.00	7,073.46	7,079.33	7,078.96	189.09	30.26	83.56	99.04	-9,740.38	4,482.38	4,417.89	64.49	69.500		
13,500.00	7,073.69	7,079.98	7,079.62	191.90	30.27	83.70	99.04	-9,740.38	4,382.58	4,317.88	64.70	67.741		
13,600.00	7,073.92	7,080.64	7,080.27	194.71	30.27	83.83	99.04	-9,740.38	4,282.78	4,217.87	64.91	65.982		
13,700.00	7,074.15	7,081.29	7,080.93	197.52	30.27	83.97	99.05	-9,740.39	4,182.99	4,117.85	65.13	64.220		
13,800.00	7,074.38	7,081.95	7,081.58	200.34	30.28	84.11	99.05	-9,740.39	4,083.21	4,017.83	65.38	62.458		
13,900.00	7,074.61	7,082.60	7,082.24	203.15	30.28	84.24	99.05	-9,740.39	3,983.44	3,917.81	65.63	60.694		
14,000.00	7,074.84	7,083.26	7,082.89	205.97	30.28	84.38	99.06	-9,740.39	3,883.68	3,817.78	65.91	58.928		
14,100.00	7,075.07	7,083.91	7,083.55	208.78	30.28	84.51	99.06	-9,740.40	3,783.94	3,717.74	66.20	57.161		
14,200.00	7,075.30	7,084.57	7,084.20	211.60	30.29	84.65	99.07	-9,740.40	3,684.21	3,617.70	66.51	55.392		
14,300.00	7,075.54	7,085.22	7,084.86	214.42	30.29	84.79	99.07	-9,740.40	3,584.50	3,517.65	66.85	53.621		
14,400.00	7,075.77	7,085.88	7,085.51	217.24	30.29	84.92	99.07	-9,740.41	3,484.80	3,417.59	67.21	51.849		
14,500.00	7,076.00	7,086.53	7,086.17	220.06	30.29	85.06	99.08	-9,740.41	3,385.12	3,317.51	67.60	50.074		
14,600.00	7,076.23	7,087.19	7,086.82	222.88	30.30	85.20	99.08	-9,740.41	3,285.45	3,217.43	68.02	48.299		
14,700.00	7,076.46	7,087.84	7,087.48	225.70	30.30	85.33	99.08	-9,740.41	3,185.81	3,117.33	68.48	46.521		
14,800.00	7,076.69	7,088.50	7,088.13	228.53	30.30	85.47	99.09	-9,740.42	3,086.20	3,017.22	68.98	44.742		
14,900.00	7,076.92	7,089.15	7,088.79	231.35	30.31	85.61	99.09	-9,740.42	2,986.60	2,917.09	69.52	42.962		
15,000.00	7,077.15	7,089.80	7,089.44	234.18	30.31	85.74	99.09	-9,740.42	2,887.04	2,816.93	70.11	41.180		
15,100.00	7,077.38	7,090.46	7,090.10	237.00	30.31	85.88	99.10	-9,740.43	2,787.51	2,716.76	70.75	39.398		
15,200.00	7,077.61	7,091.11	7,090.75	239.83	30.31	86.02	99.10	-9,740.43	2,688.01	2,616.55	71.46	37.615		
15,300.00	7,077.84	7,091.77	7,091.40	242.66	30.32	86.15	99.11	-9,740.43	2,588.55	2,516.31	72.24	35.833		
15,400.00	7,078.07	7,092.42	7,092.06	245.49	30.32	86.29	99.11	-9,740.43	2,489.13	2,416.03	73.10	34.051		
15,500.00	7,078.30	7,093.08	7,092.71	248.31	30.32	86.43	99.11	-9,740.44	2,389.76	2,315.71	74.05	32.270		
15,600.00	7,078.53	7,093.73	7,093.37	251.14	30.33	86.56	99.12	-9,740.44	2,290.45	2,215.33	75.12	30.492		
15,700.00	7,078.76	7,094.39	7,094.02	253.97	30.33	86.70	99.12	-9,740.44	2,191.20	2,114.90	76.30	28.718		
15,800.00	7,078.99	7,095.04	7,094.68	256.80	30.33	86.84	99.12	-9,740.45	2,092.02	2,014.39	77.63	26.950		
15,900.00	7,079.22	7,095.70	7,095.33	259.64	30.33	86.97	99.13	-9,740.45	1,992.92	1,913.80	79.12	25.189		
16,000.00	7,079.45	7,096.35	7,095.99	262.47	30.34	87.11	99.13	-9,740.45	1,893.92	1,813.11	80.81	23.438		
16,100.00	7,079.69	7,097.01	7,096.64	265.30	30.34	87.25	99.13	-9,740.45	1,795.02	1,712.30	82.72	21.700		
16,200.00	7,079.92	7,097.66	7,097.30	268.13	30.34	87.38	99.14	-9,740.46	1,696.26	1,611.35	84.91	19.978		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,080.15	7,098.32	7,097.95	270.97	30.35	87.52	99.14	-9,740.46	1,597.65	1,510.23	87.42	18.276		
16,400.00	7,080.38	7,098.97	7,098.61	273.80	30.35	87.66	99.14	-9,740.46	1,499.22	1,408.90	90.32	16.599		
16,500.00	7,080.61	7,099.63	7,099.26	276.64	30.35	87.80	99.15	-9,740.46	1,401.02	1,307.32	93.69	14.953		
16,600.00	7,080.84	7,100.28	7,099.92	279.47	30.35	87.93	99.15	-9,740.47	1,303.08	1,205.44	97.65	13.345		
16,700.00	7,081.07	7,100.94	7,100.57	282.31	30.36	88.07	99.16	-9,740.47	1,205.49	1,103.17	102.32	11.781		
16,800.00	7,081.30	7,101.59	7,101.23	285.14	30.36	88.21	99.16	-9,740.47	1,108.33	1,000.43	107.90	10.272		
16,900.00	7,081.53	7,102.25	7,101.88	287.98	30.36	88.35	99.16	-9,740.48	1,011.72	897.08	114.64	8.825		
17,000.00	7,081.76	7,102.90	7,102.54	290.82	30.36	88.48	99.17	-9,740.48	915.83	792.97	122.87	7.454		
17,100.00	7,081.99	7,103.56	7,103.19	293.65	30.37	88.62	99.17	-9,740.48	820.93	687.86	133.07	6.169		
17,200.00	7,082.22	7,104.21	7,103.85	296.49	30.37	88.76	99.17	-9,740.48	727.40	581.48	145.92	4.985		
17,300.00	7,082.45	7,104.87	7,104.50	299.33	30.37	88.89	99.18	-9,740.49	635.83	473.45	162.38	3.916		
17,400.00	7,082.68	7,105.52	7,105.16	302.17	30.38	89.03	99.18	-9,740.49	547.23	363.41	183.82	2.977		
17,500.00	7,082.91	7,106.18	7,105.81	305.01	30.38	89.17	99.18	-9,740.49	463.29	251.25	212.04	2.185		
17,600.00	7,083.14	7,106.83	7,106.47	307.85	30.38	89.31	99.19	-9,740.50	387.05	138.35	248.70	1.556		
17,700.00	7,083.37	7,107.49	7,107.12	310.69	30.38	89.44	99.19	-9,740.50	324.01	31.30	292.72	1.107	Level 2	
17,800.00	7,083.60	7,108.14	7,107.78	313.53	30.39	89.58	99.20	-9,740.50	283.12	-49.79	332.91	0.850	Level 1	
17,874.14	7,083.78	7,108.63	7,108.26	315.63	30.39	89.68	99.20	-9,740.50	273.24	-72.74	345.98	0.790	Level 1, CC, ES, SF	
17,900.00	7,083.84	7,108.79	7,108.43	316.37	30.39	89.72	99.20	-9,740.50	274.46	-70.92	345.38	0.795	Level 1	
18,000.00	7,084.07	7,109.45	7,109.08	319.21	30.39	89.86	99.20	-9,740.51	300.83	-20.13	320.96	0.937	Level 1	
18,100.00	7,084.30	7,110.10	7,109.74	322.05	30.40	89.99	99.21	-9,740.51	354.50	74.40	280.09	1.266	Level 3	
18,200.00	7,084.53	7,110.76	7,110.39	324.89	30.40	90.13	99.21	-9,740.51	425.25	183.75	241.50	1.761		
18,300.00	7,084.76	7,111.41	7,111.05	327.73	30.40	90.27	99.21	-9,740.52	505.97	295.38	210.59	2.403		
18,400.00	7,084.99	7,112.07	7,111.70	330.57	30.40	90.40	99.22	-9,740.52	592.60	405.76	186.84	3.172		
18,500.00	7,085.22	7,112.72	7,112.36	333.41	30.41	90.54	99.22	-9,740.52	682.89	514.28	168.61	4.050		
18,600.00	7,085.45	7,113.38	7,113.01	336.26	30.41	90.68	99.22	-9,740.52	775.57	621.15	154.42	5.023		
18,700.00	7,085.68	7,114.03	7,113.67	339.10	30.41	90.82	99.23	-9,740.53	869.87	726.68	143.19	6.075		
18,800.00	7,085.91	7,114.69	7,114.32	341.94	30.41	90.95	99.23	-9,740.53	965.32	831.15	134.16	7.195		
18,839.14	7,086.00	7,114.94	7,114.58	343.06	30.42	91.01	99.23	-9,740.53	1,002.92	871.81	131.10	7.650		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-98.26	-1,240.80	-8,543.59	8,633.22					
100.00	100.00	114.00	114.00	3.28	3.97	-98.26	-1,240.80	-8,543.59	8,633.22	8,625.96	7.25	1,190.238		
200.00	200.00	214.00	214.00	3.34	6.60	-98.26	-1,240.80	-8,543.59	8,633.22	8,623.28	9.94	868.946		
300.00	300.00	314.00	314.00	3.44	9.78	-98.26	-1,240.80	-8,543.59	8,633.22	8,619.99	13.23	652.676		
400.00	399.98	413.98	413.98	3.60	13.12	166.22	-1,240.80	-8,543.59	8,634.91	8,618.19	16.72	516.362		
500.00	499.84	513.84	513.84	3.80	16.52	166.21	-1,240.80	-8,543.59	8,640.00	8,619.68	20.32	425.213		
600.00	599.45	613.45	613.45	4.04	19.94	166.18	-1,240.80	-8,543.59	8,648.46	8,624.48	23.98	360.670		
700.00	698.70	712.70	712.70	4.31	23.37	166.14	-1,240.80	-8,543.59	8,660.30	8,632.62	27.68	312.895		
800.00	797.47	811.47	811.47	4.62	26.78	166.09	-1,240.80	-8,543.59	8,675.49	8,644.09	31.40	276.283		
900.00	895.62	909.62	909.62	4.97	30.19	166.03	-1,240.80	-8,543.59	8,694.03	8,658.90	35.14	247.445		
980.89	974.49	988.49	988.49	5.27	32.93	165.97	-1,240.80	-8,543.59	8,711.46	8,673.30	38.16	228.294		
1,000.00	993.07	1,007.07	1,007.07	5.34	33.57	165.98	-1,240.80	-8,543.59	8,715.83	8,676.95	38.88	224.196		
1,100.00	1,090.26	1,104.26	1,104.26	5.75	36.95	166.02	-1,240.80	-8,543.59	8,738.71	8,696.10	42.62	205.060		
1,200.00	1,187.45	1,201.45	1,201.45	6.17	40.33	166.06	-1,240.80	-8,543.59	8,761.60	8,715.22	46.37	188.934		
1,300.00	1,284.64	1,301.36	1,298.64	6.62	43.81	166.09	-1,240.80	-8,543.59	8,784.49	8,734.24	50.24	174.843		
1,400.00	1,381.83	1,404.17	1,395.83	7.07	47.39	166.13	-1,240.80	-8,543.59	8,807.38	8,753.16	54.22	162.425		
1,500.00	1,479.01	1,506.99	1,493.01	7.54	50.97	166.17	-1,240.80	-8,543.59	8,830.28	8,772.06	58.22	151.680		
1,600.00	1,576.20	1,609.80	1,590.20	8.02	54.55	166.20	-1,240.80	-8,543.59	8,853.17	8,790.96	62.22	142.293		
1,700.00	1,673.39	1,687.39	1,687.39	8.50	57.26	166.24	-1,240.80	-8,543.59	8,876.08	8,810.73	65.35	135.829		
1,800.00	1,770.58	1,784.58	1,784.58	8.99	60.64	166.27	-1,240.80	-8,543.59	8,898.98	8,829.82	69.17	128.661		
1,900.00	1,867.77	1,881.77	1,881.77	9.48	64.03	166.31	-1,240.80	-8,543.59	8,921.89	8,848.90	72.99	122.234		
2,000.00	1,964.96	1,978.96	1,978.96	9.98	67.42	166.35	-1,240.80	-8,543.59	8,944.81	8,867.99	76.82	116.440		
2,100.00	2,062.15	2,076.15	2,076.15	10.49	70.81	166.38	-1,240.80	-8,543.59	8,967.72	8,887.07	80.65	111.192		
2,200.00	2,159.34	2,173.34	2,173.34	10.99	74.20	166.42	-1,240.80	-8,543.59	8,990.64	8,906.15	84.49	106.415		
2,300.00	2,256.53	2,270.53	2,270.53	11.50	77.59	166.45	-1,240.80	-8,543.59	9,013.56	8,925.24	88.33	102.049		
2,400.00	2,353.71	2,367.71	2,367.71	12.01	80.98	166.49	-1,240.80	-8,543.59	9,036.49	8,944.32	92.17	98.045		
2,500.00	2,450.90	2,464.90	2,464.90	12.53	84.37	166.52	-1,240.80	-8,543.59	9,059.42	8,963.41	96.01	94.359		
2,600.00	2,548.09	2,562.09	2,562.09	13.04	87.76	166.56	-1,240.80	-8,543.59	9,082.35	8,982.49	99.86	90.954		
2,700.00	2,645.28	2,659.28	2,659.28	13.56	91.15	166.59	-1,240.80	-8,543.59	9,105.28	9,001.58	103.70	87.801		
2,800.00	2,742.47	2,756.47	2,756.47	14.08	94.54	166.62	-1,240.80	-8,543.59	9,128.22	9,020.67	107.55	84.872		
2,900.00	2,839.66	2,853.66	2,853.66	14.60	97.93	166.66	-1,240.80	-8,543.59	9,151.16	9,039.76	111.40	82.145		
3,000.00	2,936.85	2,950.85	2,950.85	15.12	101.32	166.69	-1,240.80	-8,543.59	9,174.11	9,058.85	115.25	79.599		
3,100.00	3,034.04	3,048.04	3,048.04	15.65	104.71	166.73	-1,240.80	-8,543.59	9,197.06	9,077.95	119.11	77.216		
3,200.00	3,131.22	3,145.22	3,145.22	16.17	108.10	166.76	-1,240.80	-8,543.59	9,220.01	9,097.04	122.96	74.983		
3,300.00	3,228.41	3,242.41	3,242.41	16.69	111.50	166.79	-1,240.80	-8,543.59	9,242.96	9,116.14	126.82	72.884		
3,400.00	3,325.60	3,339.60	3,339.60	17.22	114.89	166.83	-1,240.80	-8,543.59	9,265.91	9,135.24	130.67	70.910		
3,500.00	3,422.79	3,436.79	3,436.79	17.75	118.28	166.86	-1,240.80	-8,543.59	9,288.87	9,154.35	134.53	69.047		
3,600.00	3,519.98	3,533.98	3,533.98	18.27	121.67	166.89	-1,240.80	-8,543.59	9,311.84	9,173.45	138.39	67.289		
3,700.00	3,617.17	3,631.17	3,631.17	18.80	125.06	166.93	-1,240.80	-8,543.59	9,334.80	9,192.56	142.24	65.625		
3,800.00	3,714.36	3,728.36	3,728.36	19.33	128.45	166.96	-1,240.80	-8,543.59	9,357.77	9,211.67	146.10	64.049		
3,900.00	3,811.55	3,825.55	3,825.55	19.86	131.85	166.99	-1,240.80	-8,543.59	9,380.74	9,230.78	149.96	62.554		
4,000.00	3,908.74	3,922.74	3,922.74	20.39	135.24	167.02	-1,240.80	-8,543.59	9,403.71	9,249.89	153.82	61.134		
4,100.00	4,005.92	4,019.92	4,019.92	20.92	138.63	167.05	-1,240.80	-8,543.59	9,426.69	9,269.01	157.68	59.783		
4,200.00	4,103.11	4,117.11	4,117.11	21.45	142.02	167.09	-1,240.80	-8,543.59	9,449.67	9,288.13	161.54	58.497		
4,300.00	4,200.30	4,214.30	4,214.30	21.98	145.41	167.12	-1,240.80	-8,543.59	9,472.65	9,307.25	165.40	57.270		
4,400.00	4,297.49	4,311.49	4,311.49	22.51	148.81	167.15	-1,240.80	-8,543.59	9,495.64	9,326.37	169.26	56.099		
4,500.00	4,394.68	4,408.68	4,408.68	23.04	152.20	167.18	-1,240.80	-8,543.59	9,518.62	9,345.50	173.13	54.981		
4,600.00	4,491.87	4,505.87	4,505.87	23.57	155.59	167.21	-1,240.80	-8,543.59	9,541.61	9,364.63	176.99	53.911		
4,700.00	4,589.06	4,603.06	4,603.06	24.10	158.98	167.24	-1,240.80	-8,543.59	9,564.61	9,383.76	180.85	52.887		
4,800.00	4,686.25	4,700.25	4,700.25	24.64	162.37	167.27	-1,240.80	-8,543.59	9,587.60	9,402.89	184.71	51.905		
4,900.00	4,783.43	4,802.57	4,797.43	25.17	165.94	167.31	-1,240.80	-8,543.59	9,610.60	9,421.85	188.76	50.916		
5,000.00	4,880.62	4,905.38	4,894.62	25.70	169.53	167.34	-1,240.80	-8,543.59	9,633.60	9,440.79	192.81	49.963		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,008.19	4,991.81	26.23	173.12	167.37	-1,240.80	-8,543.59	9,656.60	9,459.73	196.87	49.050		
5,200.00	5,075.00	5,089.00	5,089.00	26.77	175.94	167.40	-1,240.80	-8,543.59	9,679.61	9,479.44	200.17	48.358		
5,300.00	5,172.19	5,186.19	5,186.19	27.30	179.33	167.43	-1,240.80	-8,543.59	9,702.62	9,498.59	204.03	47.555		
5,400.00	5,269.38	5,283.38	5,283.38	27.83	182.73	167.46	-1,240.80	-8,543.59	9,725.63	9,517.74	207.89	46.782		
5,457.75	5,325.51	5,339.51	5,339.51	28.14	184.69	167.48	-1,240.80	-8,543.59	9,738.92	9,528.80	210.13	46.348		
5,500.00	5,366.64	5,380.64	5,380.64	28.37	186.12	167.53	-1,240.80	-8,543.59	9,748.35	9,536.59	211.76	46.035		
5,600.00	5,464.53	5,478.53	5,478.53	28.87	189.54	167.64	-1,240.80	-8,543.59	9,768.29	9,552.65	215.64	45.299		
5,700.00	5,563.07	5,577.07	5,577.07	29.35	192.98	167.74	-1,240.80	-8,543.59	9,784.89	9,565.36	219.53	44.572		
5,800.00	5,662.15	5,676.15	5,676.15	29.80	196.44	167.81	-1,240.80	-8,543.59	9,798.11	9,574.68	223.43	43.853		
5,900.00	5,761.64	5,775.64	5,775.64	30.23	199.91	167.86	-1,240.80	-8,543.59	9,807.94	9,580.61	227.33	43.143		
6,000.00	5,861.42	5,875.42	5,875.42	30.64	203.39	167.90	-1,240.80	-8,543.59	9,814.38	9,583.14	231.24	42.443		
6,100.00	5,961.36	5,975.36	5,975.36	31.02	206.88	167.91	-1,240.80	-8,543.59	9,817.40	9,582.27	235.13	41.753		
6,138.64	6,000.00	6,014.00	6,014.00	31.16	208.23	-96.57	-1,240.80	-8,543.59	9,817.66	9,581.03	236.63	41.490		
6,200.00	6,061.36	6,075.36	6,075.36	31.38	210.37	-96.57	-1,240.80	-8,543.59	9,817.66	9,578.66	239.00	41.078		
6,300.00	6,161.36	6,175.36	6,175.36	31.74	213.86	-96.57	-1,240.80	-8,543.59	9,817.66	9,574.79	242.87	40.424		
6,400.00	6,261.36	6,275.36	6,275.36	32.10	217.35	-96.57	-1,240.80	-8,543.59	9,817.66	9,570.92	246.73	39.791		
6,500.00	6,361.36	6,375.36	6,375.36	32.46	220.84	-96.57	-1,240.80	-8,543.59	9,817.66	9,567.05	250.60	39.176		
6,562.02	6,423.38	6,437.38	6,437.38	32.68	223.01	-96.57	-1,240.80	-8,543.59	9,817.66	9,564.65	253.00	38.805		
6,600.00	6,461.34	6,475.34	6,475.34	32.82	224.33	-6.29	-1,240.80	-8,543.59	9,816.53	9,562.07	254.46	38.577		
6,650.00	6,511.08	6,525.08	6,525.08	32.99	226.07	-6.34	-1,240.80	-8,543.59	9,811.62	9,555.26	256.36	38.273		
6,700.00	6,560.29	6,574.29	6,574.29	33.17	227.79	-6.43	-1,240.80	-8,543.59	9,802.85	9,544.62	258.23	37.962		
6,750.00	6,608.64	6,622.64	6,622.64	33.36	229.47	-6.57	-1,240.80	-8,543.59	9,790.27	9,530.22	260.05	37.648		
6,800.00	6,655.86	6,669.86	6,669.86	33.56	231.12	-6.77	-1,240.80	-8,543.59	9,773.95	9,512.14	261.81	37.332		
6,850.00	6,701.64	6,715.64	6,715.64	33.78	232.72	-7.02	-1,240.80	-8,543.59	9,754.01	9,490.50	263.51	37.016		
6,900.00	6,745.71	6,759.71	6,759.71	34.01	234.26	-7.33	-1,240.80	-8,543.59	9,730.56	9,465.42	265.13	36.701		
6,950.00	6,787.79	6,801.79	6,801.79	34.27	235.73	-7.73	-1,240.80	-8,543.59	9,703.74	9,437.07	266.67	36.389		
7,000.00	6,827.62	6,841.62	6,841.62	34.56	237.12	-8.22	-1,240.80	-8,543.59	9,673.72	9,405.61	268.12	36.080		
7,050.00	6,864.96	6,878.96	6,878.96	34.87	238.42	-8.84	-1,240.80	-8,543.59	9,640.70	9,371.24	269.46	35.778		
7,100.00	6,899.58	6,913.58	6,913.58	35.21	239.63	-9.61	-1,240.80	-8,543.59	9,604.86	9,334.16	270.70	35.481		
7,150.00	6,931.26	6,945.26	6,945.26	35.60	240.74	-10.60	-1,240.80	-8,543.59	9,566.44	9,294.61	271.83	35.193		
7,200.00	6,959.81	6,973.81	6,973.81	36.02	241.73	-11.89	-1,240.80	-8,543.59	9,525.67	9,252.83	272.84	34.913		
7,250.00	6,985.06	7,000.94	6,999.06	36.47	242.68	-13.60	-1,240.80	-8,543.59	9,482.80	9,209.01	273.79	34.635		
7,300.00	7,006.84	7,020.84	7,020.84	36.97	243.37	-15.96	-1,240.80	-8,543.59	9,438.10	9,163.61	274.49	34.384		
7,350.00	7,025.02	7,039.02	7,039.02	37.51	244.01	-19.38	-1,240.80	-8,543.59	9,391.84	9,116.72	275.12	34.137		
7,400.00	7,039.49	7,053.49	7,053.49	38.09	244.51	-24.66	-1,240.80	-8,543.59	9,344.31	9,068.68	275.63	33.902		
7,450.00	7,050.17	7,064.17	7,064.17	38.70	244.89	-33.58	-1,240.80	-8,543.59	9,295.80	9,019.80	276.00	33.680		
7,500.00	7,056.98	7,070.98	7,070.98	39.33	245.12	-50.22	-1,240.80	-8,543.59	9,246.61	8,970.37	276.25	33.472		
7,550.00	7,059.89	7,073.89	7,073.89	39.99	245.23	-80.87	-1,240.80	-8,543.59	9,197.05	8,920.69	276.36	33.279		
7,560.55	7,060.00	7,074.00	7,074.00	40.13	245.23	-88.88	-1,240.80	-8,543.59	9,186.57	8,910.20	276.37	33.240		
7,600.00	7,060.09	7,074.09	7,074.09	40.67	245.23	-88.88	-1,240.80	-8,543.59	9,147.39	8,871.01	276.38	33.097		
7,700.00	7,060.32	7,074.32	7,074.32	42.14	245.24	-88.89	-1,240.80	-8,543.59	9,048.09	8,771.66	276.43	32.732		
7,800.00	7,060.55	7,074.55	7,074.55	43.75	245.25	-88.91	-1,240.80	-8,543.59	8,948.80	8,672.32	276.48	32.367		
7,900.00	7,060.78	7,074.78	7,074.78	45.48	245.26	-88.92	-1,240.80	-8,543.59	8,849.53	8,572.99	276.54	32.001		
8,000.00	7,061.01	7,075.01	7,075.01	47.33	245.27	-88.93	-1,240.80	-8,543.59	8,750.28	8,473.67	276.61	31.634		
8,100.00	7,061.24	7,075.24	7,075.24	49.27	245.27	-88.94	-1,240.80	-8,543.59	8,651.04	8,374.36	276.68	31.267		
8,200.00	7,061.47	7,075.47	7,075.47	51.29	245.28	-88.96	-1,240.80	-8,543.59	8,551.83	8,275.06	276.76	30.899		
8,300.00	7,061.70	7,075.70	7,075.70	53.40	245.29	-88.97	-1,240.80	-8,543.59	8,452.63	8,175.77	276.85	30.531		
8,400.00	7,061.93	7,075.93	7,075.93	55.57	245.30	-88.98	-1,240.80	-8,543.59	8,353.44	8,076.49	276.95	30.162		
8,500.00	7,062.16	7,076.16	7,076.16	57.80	245.31	-88.99	-1,240.80	-8,543.59	8,254.28	7,977.23	277.06	29.793		
8,600.00	7,062.39	7,076.39	7,076.39	60.08	245.31	-89.00	-1,240.80	-8,543.59	8,155.14	7,877.97	277.17	29.423		
8,700.00	7,062.63	7,076.63	7,076.63	62.42	245.32	-89.02	-1,240.80	-8,543.59	8,056.02	7,778.72	277.30	29.052		
8,800.00	7,062.86	7,076.86	7,076.86	64.79	245.33	-89.03	-1,240.80	-8,543.59	7,956.93	7,679.49	277.43	28.680		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,077.09	7,077.09	67.20	245.34	-89.04	-1,240.80	-8,543.59	7,857.85	7,580.27	277.58	28.308		
9,000.00	7,063.32	7,077.32	7,077.32	69.65	245.35	-89.05	-1,240.80	-8,543.59	7,758.80	7,481.06	277.74	27.936		
9,100.00	7,063.55	7,077.55	7,077.55	72.12	245.35	-89.07	-1,240.80	-8,543.59	7,659.77	7,381.87	277.91	27.562		
9,200.00	7,063.78	7,077.78	7,077.78	74.63	245.36	-89.08	-1,240.80	-8,543.59	7,560.77	7,282.69	278.09	27.188		
9,300.00	7,064.01	7,078.01	7,078.01	77.16	245.37	-89.09	-1,240.80	-8,543.59	7,461.80	7,183.52	278.28	26.814		
9,400.00	7,064.24	7,078.24	7,078.24	79.71	245.38	-89.10	-1,240.80	-8,543.59	7,362.85	7,084.36	278.49	26.439		
9,500.00	7,064.47	7,078.47	7,078.47	82.28	245.39	-89.12	-1,240.80	-8,543.59	7,263.93	6,985.22	278.71	26.063		
9,600.00	7,064.70	7,078.70	7,078.70	84.87	245.39	-89.13	-1,240.80	-8,543.59	7,165.05	6,886.10	278.95	25.686		
9,700.00	7,064.93	7,078.93	7,078.93	87.47	245.40	-89.14	-1,240.80	-8,543.59	7,066.19	6,786.99	279.20	25.309		
9,800.00	7,065.16	7,079.16	7,079.16	90.09	245.41	-89.15	-1,240.80	-8,543.59	6,967.37	6,687.90	279.47	24.931		
9,900.00	7,065.39	7,079.39	7,079.39	92.73	245.42	-89.16	-1,240.80	-8,543.59	6,868.58	6,588.82	279.76	24.552		
10,000.00	7,065.62	7,079.62	7,079.62	95.38	245.43	-89.18	-1,240.80	-8,543.59	6,769.82	6,489.76	280.06	24.173		
10,100.00	7,065.85	7,079.85	7,079.85	98.04	245.43	-89.19	-1,240.80	-8,543.59	6,671.11	6,390.72	280.38	23.793		
10,200.00	7,066.08	7,080.08	7,080.08	100.71	245.44	-89.20	-1,240.80	-8,543.59	6,572.43	6,291.70	280.73	23.412		
10,300.00	7,066.31	7,080.31	7,080.31	103.39	245.45	-89.21	-1,240.80	-8,543.59	6,473.79	6,192.70	281.09	23.031		
10,400.00	7,066.54	7,080.54	7,080.54	106.08	245.46	-89.23	-1,240.80	-8,543.59	6,375.20	6,093.72	281.48	22.649		
10,500.00	7,066.77	7,080.77	7,080.77	108.78	245.47	-89.24	-1,240.80	-8,543.59	6,276.65	5,994.76	281.89	22.267		
10,600.00	7,067.01	7,081.01	7,081.01	111.48	245.47	-89.25	-1,240.80	-8,543.59	6,178.14	5,895.82	282.32	21.884		
10,700.00	7,067.24	7,081.24	7,081.24	114.20	245.48	-89.26	-1,240.80	-8,543.59	6,079.69	5,796.91	282.78	21.500		
10,800.00	7,067.47	7,081.47	7,081.47	116.92	245.49	-89.28	-1,240.80	-8,543.59	5,981.28	5,698.02	283.26	21.116		
10,900.00	7,067.70	7,081.70	7,081.70	119.65	245.50	-89.29	-1,240.80	-8,543.59	5,882.93	5,599.15	283.78	20.731		
11,000.00	7,067.93	7,081.93	7,081.93	122.38	245.51	-89.30	-1,240.80	-8,543.59	5,784.64	5,500.32	284.32	20.345		
11,100.00	7,068.16	7,082.16	7,082.16	125.12	245.52	-89.31	-1,240.80	-8,543.59	5,686.41	5,401.50	284.90	19.959		
11,200.00	7,068.39	7,082.39	7,082.39	127.86	245.52	-89.32	-1,240.80	-8,543.59	5,588.23	5,302.72	285.51	19.573		
11,300.00	7,068.62	7,082.62	7,082.62	130.61	245.53	-89.34	-1,240.80	-8,543.59	5,490.13	5,203.97	286.15	19.186		
11,400.00	7,068.85	7,082.85	7,082.85	133.37	245.54	-89.35	-1,240.80	-8,543.59	5,392.09	5,105.26	286.84	18.799		
11,500.00	7,069.08	7,083.08	7,083.08	136.12	245.55	-89.36	-1,240.80	-8,543.59	5,294.13	5,006.58	287.56	18.411		
11,600.00	7,069.31	7,083.31	7,083.31	138.89	245.56	-89.37	-1,240.80	-8,543.59	5,196.25	4,907.93	288.32	18.023		
11,700.00	7,069.54	7,083.54	7,083.54	141.65	245.56	-89.39	-1,240.80	-8,543.59	5,098.44	4,809.32	289.12	17.634		
11,800.00	7,069.77	7,083.77	7,083.77	144.42	245.57	-89.40	-1,240.80	-8,543.59	5,000.73	4,710.76	289.97	17.246		
11,900.00	7,070.00	7,084.00	7,084.00	147.19	245.58	-89.41	-1,240.80	-8,543.59	4,903.10	4,612.23	290.87	16.857		
12,000.00	7,070.23	7,084.23	7,084.23	149.97	245.59	-89.42	-1,240.80	-8,543.59	4,805.58	4,513.76	291.82	16.468		
12,100.00	7,070.46	7,084.46	7,084.46	152.75	245.60	-89.44	-1,240.80	-8,543.59	4,708.16	4,415.33	292.82	16.078		
12,200.00	7,070.69	7,084.69	7,084.69	155.53	245.60	-89.45	-1,240.80	-8,543.59	4,610.84	4,316.96	293.89	15.689		
12,300.00	7,070.92	7,084.92	7,084.92	158.32	245.61	-89.46	-1,240.80	-8,543.59	4,513.65	4,218.64	295.01	15.300		
12,400.00	7,071.16	7,085.16	7,085.16	161.10	245.62	-89.47	-1,240.80	-8,543.59	4,416.58	4,120.38	296.20	14.911		
12,500.00	7,071.39	7,085.39	7,085.39	163.89	245.63	-89.48	-1,240.80	-8,543.59	4,319.65	4,022.19	297.45	14.522		
12,600.00	7,071.62	7,085.62	7,085.62	166.69	245.64	-89.50	-1,240.80	-8,543.59	4,222.85	3,924.07	298.78	14.133		
12,700.00	7,071.85	7,085.85	7,085.85	169.48	245.64	-89.51	-1,240.80	-8,543.59	4,126.21	3,826.02	300.19	13.745		
12,800.00	7,072.08	7,086.08	7,086.08	172.28	245.65	-89.52	-1,240.80	-8,543.59	4,029.74	3,728.05	301.68	13.357		
12,900.00	7,072.31	7,086.31	7,086.31	175.08	245.66	-89.53	-1,240.80	-8,543.59	3,933.44	3,630.17	303.26	12.970		
13,000.00	7,072.54	7,086.54	7,086.54	177.88	245.67	-89.55	-1,240.80	-8,543.59	3,837.33	3,532.39	304.94	12.584		
13,100.00	7,072.77	7,086.77	7,086.77	180.68	245.68	-89.56	-1,240.80	-8,543.59	3,741.42	3,434.71	306.72	12.198		
13,200.00	7,073.00	7,087.00	7,087.00	183.48	245.68	-89.57	-1,240.80	-8,543.59	3,645.74	3,337.13	308.60	11.814		
13,300.00	7,073.23	7,087.23	7,087.23	186.29	245.69	-89.58	-1,240.80	-8,543.59	3,550.29	3,239.68	310.61	11.430		
13,400.00	7,073.46	7,087.46	7,087.46	189.09	245.70	-89.60	-1,240.80	-8,543.59	3,455.10	3,142.36	312.74	11.048		
13,500.00	7,073.69	7,087.69	7,087.69	191.90	245.71	-89.61	-1,240.80	-8,543.59	3,360.19	3,045.19	315.00	10.667		
13,600.00	7,073.92	7,087.92	7,087.92	194.71	245.72	-89.62	-1,240.80	-8,543.59	3,265.58	2,948.17	317.41	10.288		
13,700.00	7,074.15	7,088.15	7,088.15	197.52	245.72	-89.63	-1,240.80	-8,543.59	3,171.30	2,851.33	319.97	9.911		
13,800.00	7,074.38	7,088.38	7,088.38	200.34	245.73	-89.64	-1,240.80	-8,543.59	3,077.39	2,754.68	322.71	9.536		
13,900.00	7,074.61	7,088.61	7,088.61	203.15	245.74	-89.66	-1,240.80	-8,543.59	2,983.87	2,658.24	325.63	9.163		
14,000.00	7,074.84	7,088.84	7,088.84	205.97	245.75	-89.67	-1,240.80	-8,543.59	2,890.78	2,562.04	328.74	8.793		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,075.07	7,089.07	7,089.07	208.78	245.76	-89.68	-1,240.80	-8,543.59	2,798.17	2,466.09	332.08	8.426		
14,200.00	7,075.30	7,089.30	7,089.30	211.60	245.76	-89.69	-1,240.80	-8,543.59	2,706.09	2,370.45	335.64	8.062		
14,300.00	7,075.54	7,089.54	7,089.54	214.42	245.77	-89.71	-1,240.80	-8,543.59	2,614.59	2,275.13	339.46	7.702		
14,400.00	7,075.77	7,089.77	7,089.77	217.24	245.78	-89.72	-1,240.80	-8,543.59	2,523.73	2,180.18	343.55	7.346		
14,500.00	7,076.00	7,090.00	7,090.00	220.06	245.79	-89.73	-1,240.80	-8,543.59	2,433.59	2,085.64	347.95	6.994		
14,600.00	7,076.23	7,109.77	7,090.23	222.88	246.48	-89.74	-1,240.80	-8,543.59	2,344.25	1,990.90	353.35	6.634		
14,700.00	7,076.46	7,109.54	7,090.46	225.70	246.47	-89.76	-1,240.80	-8,543.59	2,255.80	1,897.40	358.41	6.294		
14,800.00	7,076.69	7,109.31	7,090.69	228.53	246.46	-89.77	-1,240.80	-8,543.59	2,168.36	1,804.51	363.85	5.959		
14,900.00	7,076.92	7,109.08	7,090.92	231.35	246.45	-89.78	-1,240.80	-8,543.59	2,082.06	1,712.34	369.71	5.632		
15,000.00	7,077.15	7,108.85	7,091.15	234.18	246.45	-89.79	-1,240.80	-8,543.59	1,997.02	1,621.00	376.03	5.311		
15,100.00	7,077.38	7,108.62	7,091.38	237.00	246.44	-89.80	-1,240.80	-8,543.59	1,913.44	1,530.61	382.83	4.998		
15,200.00	7,077.61	7,108.39	7,091.61	239.83	246.43	-89.82	-1,240.80	-8,543.59	1,831.50	1,441.35	390.15	4.694		
15,300.00	7,077.84	7,108.16	7,091.84	242.66	246.42	-89.83	-1,240.80	-8,543.59	1,751.44	1,353.41	398.03	4.400		
15,400.00	7,078.07	7,107.93	7,092.07	245.49	246.41	-89.84	-1,240.80	-8,543.59	1,673.53	1,267.04	406.49	4.117		
15,500.00	7,078.30	7,107.70	7,092.30	248.31	246.41	-89.85	-1,240.80	-8,543.59	1,598.08	1,182.53	415.55	3.846		
15,600.00	7,078.53	7,107.47	7,092.53	251.14	246.40	-89.87	-1,240.80	-8,543.59	1,525.45	1,100.24	425.21	3.588		
15,700.00	7,078.76	7,107.24	7,092.76	253.97	246.39	-89.88	-1,240.80	-8,543.59	1,456.07	1,020.63	435.44	3.344		
15,800.00	7,078.99	7,107.01	7,092.99	256.80	246.38	-89.89	-1,240.80	-8,543.59	1,390.43	944.23	446.20	3.116		
15,900.00	7,079.22	7,106.78	7,093.22	259.64	246.37	-89.90	-1,240.80	-8,543.59	1,329.07	871.70	457.37	2.906		
16,000.00	7,079.45	7,106.55	7,093.45	262.47	246.37	-89.92	-1,240.80	-8,543.59	1,272.63	803.82	468.81	2.715		
16,100.00	7,079.69	7,106.32	7,093.69	265.30	246.36	-89.93	-1,240.80	-8,543.59	1,221.78	741.51	480.27	2.544		
16,200.00	7,079.92	7,106.08	7,093.92	268.13	246.35	-89.94	-1,240.80	-8,543.59	1,177.24	685.79	491.44	2.395		
16,300.00	7,080.15	7,105.85	7,094.15	270.97	246.34	-89.95	-1,240.80	-8,543.59	1,139.75	637.81	501.94	2.271		
16,400.00	7,080.38	7,105.62	7,094.38	273.80	246.33	-89.97	-1,240.80	-8,543.59	1,110.04	598.71	511.33	2.171		
16,500.00	7,080.61	7,105.39	7,094.61	276.64	246.33	-89.98	-1,240.80	-8,543.59	1,088.73	569.58	519.15	2.097		
16,600.00	7,080.84	7,105.16	7,094.84	279.47	246.32	-89.99	-1,240.80	-8,543.59	1,076.32	551.33	525.00	2.050		
16,684.26	7,081.03	7,104.97	7,095.03	281.86	246.31	-90.00	-1,240.80	-8,543.59	1,073.02	544.85	528.17	2.032 CC		
16,700.00	7,081.07	7,104.93	7,095.07	282.31	246.31	-90.00	-1,240.80	-8,543.59	1,073.14	544.56	528.58	2.030 ES, SF		
16,800.00	7,081.30	7,104.70	7,095.30	285.14	246.30	-90.01	-1,240.80	-8,543.59	1,079.24	549.49	529.75	2.037		
16,900.00	7,081.53	7,104.47	7,095.53	287.98	246.29	-90.03	-1,240.80	-8,543.59	1,094.49	565.91	528.58	2.071		
17,000.00	7,081.76	7,104.24	7,095.76	290.82	246.29	-90.04	-1,240.80	-8,543.59	1,118.51	593.24	525.27	2.129		
17,100.00	7,081.99	7,104.01	7,095.99	293.65	246.28	-90.05	-1,240.80	-8,543.59	1,150.74	630.58	520.16	2.212		
17,200.00	7,082.22	7,103.78	7,096.22	296.49	246.27	-90.06	-1,240.80	-8,543.59	1,190.53	676.87	513.66	2.318		
17,300.00	7,082.45	7,103.55	7,096.45	299.33	246.26	-90.08	-1,240.80	-8,543.59	1,237.14	730.97	506.17	2.444		
17,400.00	7,082.68	7,103.32	7,096.68	302.17	246.25	-90.09	-1,240.80	-8,543.59	1,289.83	791.77	498.06	2.590		
17,500.00	7,082.91	7,103.09	7,096.91	305.01	246.25	-90.10	-1,240.80	-8,543.59	1,347.89	858.25	489.64	2.753		
17,600.00	7,083.14	7,102.86	7,097.14	307.85	246.24	-90.11	-1,240.80	-8,543.59	1,410.65	929.50	481.15	2.932		
17,700.00	7,083.37	7,102.63	7,097.37	310.69	246.23	-90.13	-1,240.80	-8,543.59	1,477.53	1,004.75	472.78	3.125		
17,800.00	7,083.60	7,102.40	7,097.60	313.53	246.22	-90.14	-1,240.80	-8,543.59	1,547.98	1,083.32	464.65	3.331		
17,900.00	7,083.84	7,102.17	7,097.84	316.37	246.21	-90.15	-1,240.80	-8,543.59	1,621.54	1,164.68	456.85	3.549		
18,000.00	7,084.07	7,101.93	7,098.07	319.21	246.21	-90.16	-1,240.80	-8,543.59	1,697.80	1,248.38	449.42	3.778		
18,100.00	7,084.30	7,101.70	7,098.30	322.05	246.20	-90.17	-1,240.80	-8,543.59	1,776.42	1,334.03	442.39	4.015		
18,200.00	7,084.53	7,101.47	7,098.53	324.89	246.19	-90.19	-1,240.80	-8,543.59	1,857.10	1,421.34	435.76	4.262		
18,300.00	7,084.76	7,101.24	7,098.76	327.73	246.18	-90.20	-1,240.80	-8,543.59	1,939.58	1,510.04	429.54	4.516		
18,400.00	7,084.99	7,101.01	7,098.99	330.57	246.17	-90.21	-1,240.80	-8,543.59	2,023.64	1,599.94	423.69	4.776		
18,500.00	7,085.22	7,100.78	7,099.22	333.41	246.17	-90.22	-1,240.80	-8,543.59	2,109.09	1,690.87	418.22	5.043		
18,600.00	7,085.45	7,100.55	7,099.45	336.26	246.16	-90.24	-1,240.80	-8,543.59	2,195.77	1,782.68	413.09	5.315		
18,700.00	7,085.68	7,100.32	7,099.68	339.10	246.15	-90.25	-1,240.80	-8,543.59	2,283.54	1,875.25	408.29	5.593		
18,800.00	7,085.91	7,100.09	7,099.91	341.94	246.14	-90.26	-1,240.80	-8,543.59	2,372.28	1,968.48	403.80	5.875		
18,839.14	7,086.00	7,100.00	7,100.00	343.06	246.14	-90.27	-1,240.80	-8,543.59	2,407.25	2,005.13	402.11	5.986		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-80.18	1,459.03	-8,427.25	8,552.62					
100.00	100.00	126.00	126.00	3.28	4.22	-80.18	1,459.03	-8,427.25	8,552.62	8,545.11	7.50	1,139.829		
200.00	200.00	226.00	226.00	3.34	6.96	-80.18	1,459.03	-8,427.25	8,552.62	8,542.31	10.30	830.199		
300.00	300.00	326.00	326.00	3.44	10.18	-80.18	1,459.03	-8,427.25	8,552.62	8,538.99	13.62	627.804		
400.00	399.98	425.98	425.98	3.60	13.53	-175.69	1,459.03	-8,427.25	8,554.36	8,537.23	17.13	499.419		
500.00	499.84	525.84	525.84	3.80	16.93	-175.68	1,459.03	-8,427.25	8,559.58	8,538.85	20.73	412.909		
600.00	599.45	625.45	625.45	4.04	20.36	-175.67	1,459.03	-8,427.25	8,568.27	8,543.87	24.39	351.278		
700.00	698.70	724.70	724.70	4.31	23.78	-175.66	1,459.03	-8,427.25	8,580.42	8,552.33	28.09	305.447		
800.00	797.47	823.47	823.47	4.62	27.20	-175.64	1,459.03	-8,427.25	8,596.02	8,564.20	31.81	270.201		
900.00	895.62	921.62	921.62	4.97	30.60	-175.62	1,459.03	-8,427.25	8,615.04	8,579.50	35.55	242.364		
980.89	974.49	1,000.49	1,000.49	5.27	33.34	-175.60	1,459.03	-8,427.25	8,632.92	8,594.36	38.57	223.843		
1,000.00	993.07	1,019.07	1,019.07	5.34	33.99	-175.61	1,459.03	-8,427.25	8,637.41	8,598.13	39.28	219.875		
1,100.00	1,090.26	1,116.26	1,116.26	5.75	37.37	-175.62	1,459.03	-8,427.25	8,660.89	8,617.87	43.02	201.333		
1,200.00	1,187.45	1,213.45	1,213.45	6.17	40.75	-175.63	1,459.03	-8,427.25	8,684.37	8,637.60	46.77	185.680		
1,300.00	1,284.64	1,310.64	1,310.64	6.62	44.13	-175.64	1,459.03	-8,427.25	8,707.85	8,657.31	50.54	172.302		
1,400.00	1,381.83	1,407.83	1,407.83	7.07	47.52	-175.65	1,459.03	-8,427.25	8,731.33	8,677.01	54.32	160.744		
1,500.00	1,479.01	1,505.01	1,505.01	7.54	50.90	-175.67	1,459.03	-8,427.25	8,754.81	8,696.70	58.11	150.664		
1,600.00	1,576.20	1,602.20	1,602.20	8.02	54.29	-175.68	1,459.03	-8,427.25	8,778.29	8,716.39	61.91	141.798		
1,700.00	1,673.39	1,700.61	1,699.39	8.50	57.72	-175.69	1,459.03	-8,427.25	8,801.77	8,736.02	65.76	133.856		
1,800.00	1,770.58	1,803.42	1,796.58	8.99	61.30	-175.70	1,459.03	-8,427.25	8,825.25	8,755.49	69.76	126.503		
1,900.00	1,867.77	1,906.23	1,893.77	9.48	64.88	-175.71	1,459.03	-8,427.25	8,848.74	8,774.96	73.78	119.939		
2,000.00	1,964.96	2,009.04	1,990.96	9.98	68.47	-175.72	1,459.03	-8,427.25	8,872.22	8,794.42	77.79	114.047		
2,100.00	2,062.15	2,088.15	2,088.15	10.49	71.23	-175.73	1,459.03	-8,427.25	8,895.70	8,814.71	80.99	109.837		
2,200.00	2,159.34	2,185.34	2,185.34	10.99	74.62	-175.75	1,459.03	-8,427.25	8,919.18	8,834.36	84.82	105.156		
2,300.00	2,256.53	2,282.53	2,282.53	11.50	78.01	-175.76	1,459.03	-8,427.25	8,942.67	8,854.02	88.65	100.875		
2,400.00	2,353.71	2,379.71	2,379.71	12.01	81.40	-175.77	1,459.03	-8,427.25	8,966.15	8,873.66	92.49	96.946		
2,500.00	2,450.90	2,476.90	2,476.90	12.53	84.79	-175.78	1,459.03	-8,427.25	8,989.63	8,893.31	96.32	93.328		
2,600.00	2,548.09	2,574.09	2,574.09	13.04	88.18	-175.79	1,459.03	-8,427.25	9,013.12	8,912.96	100.16	89.986		
2,700.00	2,645.28	2,671.28	2,671.28	13.56	91.57	-175.80	1,459.03	-8,427.25	9,036.60	8,932.60	104.00	86.888		
2,800.00	2,742.47	2,768.47	2,768.47	14.08	94.96	-175.81	1,459.03	-8,427.25	9,060.09	8,952.24	107.85	84.010		
2,900.00	2,839.66	2,865.66	2,865.66	14.60	98.35	-175.82	1,459.03	-8,427.25	9,083.57	8,971.88	111.69	81.329		
3,000.00	2,936.85	2,962.85	2,962.85	15.12	101.74	-175.83	1,459.03	-8,427.25	9,107.06	8,991.52	115.53	78.825		
3,100.00	3,034.04	3,060.04	3,060.04	15.65	105.13	-175.84	1,459.03	-8,427.25	9,130.54	9,011.16	119.38	76.482		
3,200.00	3,131.22	3,157.22	3,157.22	16.17	108.52	-175.85	1,459.03	-8,427.25	9,154.03	9,030.80	123.23	74.285		
3,300.00	3,228.41	3,254.41	3,254.41	16.69	111.91	-175.87	1,459.03	-8,427.25	9,177.52	9,050.44	127.08	72.220		
3,400.00	3,325.60	3,351.60	3,351.60	17.22	115.31	-175.88	1,459.03	-8,427.25	9,201.00	9,070.07	130.93	70.276		
3,500.00	3,422.79	3,448.79	3,448.79	17.75	118.70	-175.89	1,459.03	-8,427.25	9,224.49	9,089.71	134.78	68.442		
3,600.00	3,519.98	3,545.98	3,545.98	18.27	122.09	-175.90	1,459.03	-8,427.25	9,247.98	9,109.35	138.63	66.711		
3,700.00	3,617.17	3,643.17	3,643.17	18.80	125.48	-175.91	1,459.03	-8,427.25	9,271.46	9,128.98	142.48	65.072		
3,800.00	3,714.36	3,740.36	3,740.36	19.33	128.87	-175.92	1,459.03	-8,427.25	9,294.95	9,148.62	146.33	63.519		
3,900.00	3,811.55	3,837.55	3,837.55	19.86	132.26	-175.93	1,459.03	-8,427.25	9,318.44	9,168.25	150.19	62.046		
4,000.00	3,908.74	3,934.74	3,934.74	20.39	135.66	-175.94	1,459.03	-8,427.25	9,341.93	9,187.89	154.04	60.646		
4,100.00	4,005.92	4,031.92	4,031.92	20.92	139.05	-175.95	1,459.03	-8,427.25	9,365.42	9,207.52	157.89	59.315		
4,200.00	4,103.11	4,129.11	4,129.11	21.45	142.44	-175.96	1,459.03	-8,427.25	9,388.90	9,227.16	161.75	58.046		
4,300.00	4,200.30	4,226.30	4,226.30	21.98	145.83	-175.97	1,459.03	-8,427.25	9,412.39	9,246.79	165.60	56.837		
4,400.00	4,297.49	4,323.49	4,323.49	22.51	149.22	-175.98	1,459.03	-8,427.25	9,435.88	9,266.42	169.46	55.682		
4,500.00	4,394.68	4,420.68	4,420.68	23.04	152.62	-175.99	1,459.03	-8,427.25	9,459.37	9,286.06	173.31	54.579		
4,600.00	4,491.87	4,517.87	4,517.87	23.57	156.01	-176.00	1,459.03	-8,427.25	9,482.86	9,305.69	177.17	53.524		
4,700.00	4,589.06	4,615.06	4,615.06	24.10	159.40	-176.01	1,459.03	-8,427.25	9,506.35	9,325.32	181.03	52.513		
4,800.00	4,686.25	4,712.25	4,712.25	24.64	162.79	-176.02	1,459.03	-8,427.25	9,529.84	9,344.96	184.88	51.545		
4,900.00	4,783.43	4,809.43	4,809.43	25.17	166.18	-176.03	1,459.03	-8,427.25	9,553.33	9,364.59	188.74	50.616		
5,000.00	4,880.62	4,906.62	4,906.62	25.70	169.58	-176.04	1,459.03	-8,427.25	9,576.82	9,384.22	192.60	49.724		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,003.81	5,003.81	26.23	172.97	-176.05	1,459.03	-8,427.25	9,600.32	9,403.86	196.46	48.867		
5,200.00	5,075.00	5,101.00	5,101.00	26.77	176.36	-176.06	1,459.03	-8,427.25	9,623.81	9,423.49	200.32	48.043		
5,300.00	5,172.19	5,201.81	5,198.19	27.30	179.88	-176.07	1,459.03	-8,427.25	9,647.30	9,443.00	204.30	47.221		
5,400.00	5,269.38	5,304.62	5,295.38	27.83	183.47	-176.08	1,459.03	-8,427.25	9,670.79	9,462.44	208.36	46.415		
5,457.75	5,325.51	5,351.51	5,351.51	28.14	185.11	-176.08	1,459.03	-8,427.25	9,684.36	9,474.10	210.26	46.059		
5,500.00	5,366.64	5,407.36	5,392.64	28.37	187.05	-176.10	1,459.03	-8,427.25	9,693.98	9,481.57	212.41	45.639		
5,600.00	5,464.53	5,509.47	5,490.53	28.87	190.62	-176.14	1,459.03	-8,427.25	9,714.34	9,497.91	216.43	44.885		
5,700.00	5,563.07	5,589.07	5,589.07	29.35	193.40	-176.17	1,459.03	-8,427.25	9,731.27	9,511.62	219.66	44.302		
5,800.00	5,662.15	5,688.15	5,688.15	29.80	196.86	-176.19	1,459.03	-8,427.25	9,744.77	9,521.21	223.55	43.590		
5,900.00	5,761.64	5,787.64	5,787.64	30.23	200.33	-176.21	1,459.03	-8,427.25	9,754.80	9,527.35	227.46	42.886		
6,000.00	5,861.42	5,887.42	5,887.42	30.64	203.81	-176.22	1,459.03	-8,427.25	9,761.37	9,530.01	231.36	42.191		
6,100.00	5,961.36	5,987.36	5,987.36	31.02	207.30	-176.22	1,459.03	-8,427.25	9,764.46	9,529.20	235.25	41.506		
6,138.64	6,000.00	6,026.00	6,026.00	31.16	208.65	-80.71	1,459.03	-8,427.25	9,764.72	9,527.96	236.75	41.244		
6,200.00	6,061.36	6,087.36	6,087.36	31.38	210.79	-80.71	1,459.03	-8,427.25	9,764.72	9,525.59	239.13	40.835		
6,300.00	6,161.36	6,187.36	6,187.36	31.74	214.28	-80.71	1,459.03	-8,427.25	9,764.72	9,521.72	243.00	40.185		
6,400.00	6,261.36	6,287.36	6,287.36	32.10	217.77	-80.71	1,459.03	-8,427.25	9,764.72	9,517.85	246.87	39.555		
6,500.00	6,361.36	6,387.36	6,387.36	32.46	221.26	-80.71	1,459.03	-8,427.25	9,764.72	9,513.98	250.74	38.944		
6,562.02	6,423.38	6,449.38	6,449.38	32.68	223.43	-80.71	1,459.03	-8,427.25	9,764.72	9,511.58	253.14	38.574		
6,600.00	6,461.34	6,487.34	6,487.34	32.82	224.75	9.60	1,459.03	-8,427.25	9,763.60	9,509.00	254.60	38.348		
6,650.00	6,511.08	6,537.08	6,537.08	32.99	226.49	9.68	1,459.03	-8,427.25	9,758.73	9,502.23	256.50	38.045		
6,700.00	6,560.29	6,586.29	6,586.29	33.17	228.21	9.83	1,459.03	-8,427.25	9,750.03	9,491.66	258.37	37.737		
6,750.00	6,608.64	6,634.64	6,634.64	33.36	229.89	10.04	1,459.03	-8,427.25	9,737.55	9,477.36	260.19	37.425		
6,800.00	6,655.86	6,681.86	6,681.86	33.56	231.54	10.33	1,459.03	-8,427.25	9,721.37	9,459.41	261.95	37.111		
6,850.00	6,701.64	6,727.64	6,727.64	33.78	233.14	10.70	1,459.03	-8,427.25	9,701.58	9,437.93	263.65	36.797		
6,900.00	6,745.71	6,771.71	6,771.71	34.01	234.68	11.18	1,459.03	-8,427.25	9,678.32	9,413.05	265.27	36.485		
6,950.00	6,787.79	6,813.79	6,813.79	34.27	236.15	11.78	1,459.03	-8,427.25	9,651.72	9,384.92	266.80	36.176		
7,000.00	6,827.62	6,853.62	6,853.62	34.56	237.54	12.51	1,459.03	-8,427.25	9,621.96	9,353.71	268.24	35.870		
7,050.00	6,864.96	6,890.96	6,890.96	34.87	239.47	13.44	1,459.03	-8,427.25	9,589.20	9,318.99	270.22	35.487		
7,100.00	6,899.58	6,925.58	6,925.58	35.21	240.05	14.59	1,459.03	-8,427.25	9,553.67	9,282.85	270.82	35.277		
7,150.00	6,931.26	6,957.26	6,957.26	35.60	241.16	16.05	1,459.03	-8,427.25	9,515.57	9,243.63	271.94	34.991		
7,200.00	6,959.81	6,985.81	6,985.81	36.02	242.15	17.93	1,459.03	-8,427.25	9,475.14	9,202.20	272.95	34.714		
7,250.00	6,985.06	7,011.06	7,011.06	36.47	243.03	20.40	1,459.03	-8,427.25	9,432.64	9,158.81	273.83	34.447		
7,300.00	7,006.84	7,032.84	7,032.84	36.97	243.79	23.73	1,459.03	-8,427.25	9,388.33	9,113.74	274.59	34.190		
7,350.00	7,025.02	7,051.02	7,051.02	37.51	244.43	28.40	1,459.03	-8,427.25	9,342.47	9,067.25	275.22	33.945		
7,400.00	7,039.49	7,065.49	7,065.49	38.09	244.93	35.21	1,459.03	-8,427.25	9,295.36	9,019.63	275.73	33.712		
7,450.00	7,050.17	7,076.17	7,076.17	38.70	245.31	45.58	1,459.03	-8,427.25	9,247.28	8,971.18	276.11	33.492		
7,500.00	7,056.98	7,082.98	7,082.98	39.33	245.54	61.56	1,459.03	-8,427.25	9,198.54	8,922.18	276.36	33.285		
7,550.00	7,059.89	7,085.89	7,085.89	39.99	245.65	84.03	1,459.03	-8,427.25	9,149.43	8,872.95	276.48	33.093		
7,560.55	7,060.00	7,086.00	7,086.00	40.13	245.65	89.27	1,459.03	-8,427.25	9,139.05	8,862.56	276.48	33.054		
7,600.00	7,060.09	7,086.09	7,086.09	40.67	245.65	89.27	1,459.03	-8,427.25	9,100.23	8,823.72	276.51	32.911		
7,700.00	7,060.32	7,086.32	7,086.32	42.14	245.66	89.28	1,459.03	-8,427.25	9,001.85	8,725.28	276.58	32.547		
7,800.00	7,060.55	7,086.55	7,086.55	43.75	245.67	89.29	1,459.03	-8,427.25	8,903.52	8,626.86	276.66	32.182		
7,900.00	7,060.78	7,086.78	7,086.78	45.48	245.68	89.30	1,459.03	-8,427.25	8,805.22	8,528.47	276.75	31.816		
8,000.00	7,061.01	7,087.01	7,087.01	47.33	245.68	89.31	1,459.03	-8,427.25	8,706.96	8,430.10	276.86	31.449		
8,100.00	7,061.24	7,087.24	7,087.24	49.27	245.69	89.31	1,459.03	-8,427.25	8,608.74	8,331.76	276.98	31.080		
8,200.00	7,061.47	7,087.47	7,087.47	51.29	245.70	89.32	1,459.03	-8,427.25	8,510.56	8,233.44	277.12	30.710		
8,300.00	7,061.70	7,087.70	7,087.70	53.40	245.71	89.33	1,459.03	-8,427.25	8,412.43	8,135.15	277.28	30.339		
8,400.00	7,061.93	7,087.93	7,087.93	55.57	245.72	89.34	1,459.03	-8,427.25	8,314.33	8,036.89	277.45	29.967		
8,500.00	7,062.16	7,088.16	7,088.16	57.80	245.72	89.35	1,459.03	-8,427.25	8,216.29	7,938.65	277.64	29.593		
8,600.00	7,062.39	7,088.39	7,088.39	60.08	245.73	89.35	1,459.03	-8,427.25	8,118.29	7,840.45	277.85	29.219		
8,700.00	7,062.63	7,088.63	7,088.63	62.42	245.74	89.36	1,459.03	-8,427.25	8,020.34	7,742.27	278.07	28.842		
8,800.00	7,062.86	7,088.86	7,088.86	64.79	245.75	89.37	1,459.03	-8,427.25	7,922.45	7,644.13	278.32	28.465		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,089.09	7,089.09	67.20	245.76	89.38	1,459.03	-8,427.25	7,824.60	7,546.01	278.59	28.086		
9,000.00	7,063.32	7,089.32	7,089.32	69.65	245.76	89.39	1,459.03	-8,427.25	7,726.82	7,447.93	278.88	27.706		
9,100.00	7,063.55	7,089.55	7,089.55	72.12	245.77	89.39	1,459.03	-8,427.25	7,629.08	7,349.89	279.19	27.325		
9,200.00	7,063.78	7,089.78	7,089.78	74.63	245.78	89.40	1,459.03	-8,427.25	7,531.41	7,251.88	279.53	26.943		
9,300.00	7,064.01	7,109.99	7,090.01	77.16	246.49	89.41	1,459.03	-8,427.25	7,433.80	7,153.21	280.59	26.493		
9,400.00	7,064.24	7,109.76	7,090.24	79.71	246.48	89.42	1,459.03	-8,427.25	7,336.26	7,055.29	280.97	26.111		
9,500.00	7,064.47	7,109.53	7,090.47	82.28	246.47	89.43	1,459.03	-8,427.25	7,238.78	6,957.41	281.37	25.727		
9,600.00	7,064.70	7,109.30	7,090.70	84.87	246.46	89.44	1,459.03	-8,427.25	7,141.37	6,859.58	281.79	25.342		
9,700.00	7,064.93	7,109.07	7,090.93	87.47	246.45	89.44	1,459.03	-8,427.25	7,044.04	6,761.78	282.25	24.956		
9,800.00	7,065.16	7,108.84	7,091.16	90.09	246.45	89.45	1,459.03	-8,427.25	6,946.78	6,664.03	282.74	24.569		
9,900.00	7,065.39	7,108.61	7,091.39	92.73	246.44	89.46	1,459.03	-8,427.25	6,849.59	6,566.33	283.26	24.181		
10,000.00	7,065.62	7,108.38	7,091.62	95.38	246.43	89.47	1,459.03	-8,427.25	6,752.50	6,468.68	283.81	23.792		
10,100.00	7,065.85	7,108.15	7,091.85	98.04	246.42	89.48	1,459.03	-8,427.25	6,655.48	6,371.08	284.40	23.402		
10,200.00	7,066.08	7,107.92	7,092.08	100.71	246.41	89.48	1,459.03	-8,427.25	6,558.56	6,273.53	285.03	23.010		
10,300.00	7,066.31	7,107.69	7,092.31	103.39	246.41	89.49	1,459.03	-8,427.25	6,461.73	6,176.04	285.69	22.618		
10,400.00	7,066.54	7,107.46	7,092.54	106.08	246.40	89.50	1,459.03	-8,427.25	6,365.00	6,078.61	286.39	22.225		
10,500.00	7,066.77	7,107.23	7,092.77	108.78	246.39	89.51	1,459.03	-8,427.25	6,268.37	5,981.25	287.12	21.832		
10,600.00	7,067.01	7,106.99	7,093.01	111.48	246.38	89.52	1,459.03	-8,427.25	6,171.85	5,883.94	287.91	21.437		
10,700.00	7,067.24	7,106.76	7,093.24	114.20	246.37	89.52	1,459.03	-8,427.25	6,075.44	5,786.71	288.73	21.042		
10,800.00	7,067.47	7,106.53	7,093.47	116.92	246.37	89.53	1,459.03	-8,427.25	5,979.15	5,689.55	289.60	20.646		
10,900.00	7,067.70	7,106.30	7,093.70	119.65	246.36	89.54	1,459.03	-8,427.25	5,882.98	5,592.47	290.51	20.250		
11,000.00	7,067.93	7,106.07	7,093.93	122.38	246.35	89.55	1,459.03	-8,427.25	5,786.94	5,495.46	291.48	19.854		
11,100.00	7,068.16	7,105.84	7,094.16	125.12	246.34	89.56	1,459.03	-8,427.25	5,691.04	5,398.55	292.50	19.457		
11,200.00	7,068.39	7,105.61	7,094.39	127.86	246.33	89.57	1,459.03	-8,427.25	5,595.28	5,301.72	293.56	19.060		
11,300.00	7,068.62	7,105.38	7,094.62	130.61	246.33	89.57	1,459.03	-8,427.25	5,499.68	5,204.99	294.69	18.663		
11,400.00	7,068.85	7,105.15	7,094.85	133.37	246.32	89.58	1,459.03	-8,427.25	5,404.23	5,108.36	295.87	18.266		
11,500.00	7,069.08	7,104.92	7,095.08	136.12	246.31	89.59	1,459.03	-8,427.25	5,308.95	5,011.84	297.11	17.869		
11,600.00	7,069.31	7,104.69	7,095.31	138.89	246.30	89.60	1,459.03	-8,427.25	5,213.85	4,915.43	298.41	17.472		
11,700.00	7,069.54	7,104.46	7,095.54	141.65	246.29	89.61	1,459.03	-8,427.25	5,118.93	4,819.15	299.78	17.075		
11,800.00	7,069.77	7,104.23	7,095.77	144.42	246.29	89.61	1,459.03	-8,427.25	5,024.21	4,722.99	301.22	16.679		
11,900.00	7,070.00	7,104.00	7,096.00	147.19	246.28	89.62	1,459.03	-8,427.25	4,929.70	4,626.97	302.73	16.284		
12,000.00	7,070.23	7,103.77	7,096.23	149.97	246.27	89.63	1,459.03	-8,427.25	4,835.41	4,531.10	304.32	15.889		
12,100.00	7,070.46	7,103.54	7,096.46	152.75	246.26	89.64	1,459.03	-8,427.25	4,741.36	4,435.38	305.98	15.496		
12,200.00	7,070.69	7,103.31	7,096.69	155.53	246.25	89.65	1,459.03	-8,427.25	4,647.55	4,339.82	307.73	15.103		
12,300.00	7,070.92	7,103.08	7,096.92	158.32	246.25	89.65	1,459.03	-8,427.25	4,554.00	4,244.45	309.56	14.711		
12,400.00	7,071.16	7,102.85	7,097.16	161.10	246.24	89.66	1,459.03	-8,427.25	4,460.74	4,149.26	311.48	14.321		
12,500.00	7,071.39	7,102.61	7,097.39	163.89	246.23	89.67	1,459.03	-8,427.25	4,367.77	4,054.27	313.50	13.932		
12,600.00	7,071.62	7,102.38	7,097.62	166.69	246.22	89.68	1,459.03	-8,427.25	4,275.13	3,959.51	315.62	13.545		
12,700.00	7,071.85	7,102.15	7,097.85	169.48	246.21	89.69	1,459.03	-8,427.25	4,182.82	3,864.97	317.85	13.160		
12,800.00	7,072.08	7,101.92	7,098.08	172.28	246.20	89.70	1,459.03	-8,427.25	4,090.87	3,770.68	320.18	12.777		
12,900.00	7,072.31	7,101.69	7,098.31	175.08	246.20	89.70	1,459.03	-8,427.25	3,999.31	3,676.67	322.64	12.396		
13,000.00	7,072.54	7,101.46	7,098.54	177.88	246.19	89.71	1,459.03	-8,427.25	3,908.16	3,582.94	325.22	12.017		
13,100.00	7,072.77	7,101.23	7,098.77	180.68	246.18	89.72	1,459.03	-8,427.25	3,817.45	3,489.52	327.93	11.641		
13,200.00	7,073.00	7,101.00	7,099.00	183.48	246.17	89.73	1,459.03	-8,427.25	3,727.22	3,396.44	330.78	11.268		
13,300.00	7,073.23	7,100.77	7,099.23	186.29	246.16	89.74	1,459.03	-8,427.25	3,637.50	3,303.73	333.77	10.898		
13,400.00	7,073.46	7,100.54	7,099.46	189.09	246.16	89.74	1,459.03	-8,427.25	3,548.33	3,211.41	336.93	10.532		
13,500.00	7,073.69	7,100.31	7,099.69	191.90	246.15	89.75	1,459.03	-8,427.25	3,459.76	3,119.52	340.24	10.169		
13,600.00	7,073.92	7,100.08	7,099.92	194.71	246.14	89.76	1,459.03	-8,427.25	3,371.82	3,028.09	343.73	9.810		
13,700.00	7,074.15	7,100.15	7,100.15	197.52	246.14	89.77	1,459.03	-8,427.25	3,284.57	2,937.17	347.41	9.455		
13,800.00	7,074.38	7,100.38	7,100.38	200.34	246.15	89.78	1,459.03	-8,427.25	3,198.07	2,846.79	351.29	9.104		
13,900.00	7,074.61	7,100.61	7,100.61	203.15	246.16	89.78	1,459.03	-8,427.25	3,112.38	2,757.01	355.37	8.758		
14,000.00	7,074.84	7,100.84	7,100.84	205.97	246.17	89.79	1,459.03	-8,427.25	3,027.57	2,667.90	359.67	8.418		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,075.07	7,101.07	7,101.07	208.78	246.18	89.80	1,459.03	-8,427.25	2,943.71	2,579.52	364.19	8.083		
14,200.00	7,075.30	7,101.30	7,101.30	211.60	246.18	89.81	1,459.03	-8,427.25	2,860.88	2,491.94	368.95	7.754		
14,300.00	7,075.54	7,101.54	7,101.54	214.42	246.19	89.82	1,459.03	-8,427.25	2,779.19	2,405.24	373.96	7.432		
14,400.00	7,075.77	7,101.77	7,101.77	217.24	246.20	89.83	1,459.03	-8,427.25	2,698.73	2,319.51	379.22	7.117		
14,500.00	7,076.00	7,102.00	7,102.00	220.06	246.21	89.83	1,459.03	-8,427.25	2,619.62	2,234.86	384.76	6.809		
14,600.00	7,076.23	7,102.23	7,102.23	222.88	246.22	89.84	1,459.03	-8,427.25	2,541.98	2,151.41	390.57	6.508		
14,700.00	7,076.46	7,102.46	7,102.46	225.70	246.22	89.85	1,459.03	-8,427.25	2,465.95	2,069.28	396.67	6.217		
14,800.00	7,076.69	7,102.69	7,102.69	228.53	246.23	89.86	1,459.03	-8,427.25	2,391.68	1,988.63	403.05	5.934		
14,900.00	7,076.92	7,102.92	7,102.92	231.35	246.24	89.87	1,459.03	-8,427.25	2,319.35	1,909.62	409.73	5.661		
15,000.00	7,077.15	7,103.15	7,103.15	234.18	246.25	89.87	1,459.03	-8,427.25	2,249.14	1,832.45	416.69	5.398		
15,100.00	7,077.38	7,103.38	7,103.38	237.00	246.26	89.88	1,459.03	-8,427.25	2,181.26	1,757.33	423.92	5.145		
15,200.00	7,077.61	7,103.61	7,103.61	239.83	246.26	89.89	1,459.03	-8,427.25	2,115.92	1,684.50	431.42	4.905		
15,300.00	7,077.84	7,103.84	7,103.84	242.66	246.27	89.90	1,459.03	-8,427.25	2,053.38	1,614.23	439.14	4.676		
15,400.00	7,078.07	7,104.07	7,104.07	245.49	246.28	89.91	1,459.03	-8,427.25	1,993.89	1,546.83	447.07	4.460		
15,500.00	7,078.30	7,104.30	7,104.30	248.31	246.29	89.91	1,459.03	-8,427.25	1,937.75	1,482.61	455.13	4.258		
15,600.00	7,078.53	7,104.53	7,104.53	251.14	246.30	89.92	1,459.03	-8,427.25	1,885.23	1,421.96	463.28	4.069		
15,700.00	7,078.76	7,104.76	7,104.76	253.97	246.30	89.93	1,459.03	-8,427.25	1,836.67	1,365.25	471.42	3.896		
15,800.00	7,078.99	7,104.99	7,104.99	256.80	246.31	89.94	1,459.03	-8,427.25	1,792.37	1,312.90	479.47	3.738		
15,900.00	7,079.22	7,105.22	7,105.22	259.64	246.32	89.95	1,459.03	-8,427.25	1,752.67	1,265.36	487.31	3.597		
16,000.00	7,079.45	7,105.45	7,105.45	262.47	246.33	89.96	1,459.03	-8,427.25	1,717.87	1,223.05	494.82	3.472		
16,100.00	7,079.69	7,105.69	7,105.69	265.30	246.34	89.96	1,459.03	-8,427.25	1,688.29	1,186.43	501.86	3.364		
16,200.00	7,079.92	7,105.92	7,105.92	268.13	246.34	89.97	1,459.03	-8,427.25	1,664.20	1,155.89	508.31	3.274		
16,300.00	7,080.15	7,106.15	7,106.15	270.97	246.35	89.98	1,459.03	-8,427.25	1,645.85	1,131.82	514.03	3.202		
16,400.00	7,080.38	7,106.38	7,106.38	273.80	246.36	89.99	1,459.03	-8,427.25	1,633.42	1,114.52	518.90	3.148		
16,500.00	7,080.61	7,106.61	7,106.61	276.64	246.37	90.00	1,459.03	-8,427.25	1,627.05	1,104.22	522.83	3.112		
16,553.78	7,080.73	7,106.73	7,106.73	278.16	246.37	90.00	1,459.03	-8,427.25	1,626.17	1,101.63	524.53	3.100 CC		
16,600.00	7,080.84	7,106.84	7,106.84	279.47	246.38	90.00	1,459.03	-8,427.25	1,626.82	1,101.07	525.76	3.094 ES, SF		
16,700.00	7,081.07	7,107.07	7,107.07	282.31	246.38	90.01	1,459.03	-8,427.25	1,632.73	1,105.09	527.63	3.094		
16,800.00	7,081.30	7,107.30	7,107.30	285.14	246.39	90.02	1,459.03	-8,427.25	1,644.70	1,116.23	528.47	3.112		
16,900.00	7,081.53	7,107.53	7,107.53	287.98	246.40	90.03	1,459.03	-8,427.25	1,662.61	1,134.31	528.30	3.147		
17,000.00	7,081.76	7,107.76	7,107.76	290.82	246.41	90.04	1,459.03	-8,427.25	1,686.28	1,159.09	527.19	3.199		
17,100.00	7,081.99	7,107.99	7,107.99	293.65	246.42	90.04	1,459.03	-8,427.25	1,715.45	1,190.22	525.23	3.266		
17,200.00	7,082.22	7,108.22	7,108.22	296.49	246.42	90.05	1,459.03	-8,427.25	1,749.86	1,227.35	522.51	3.349		
17,300.00	7,082.45	7,108.45	7,108.45	299.33	246.43	90.06	1,459.03	-8,427.25	1,789.21	1,270.04	519.17	3.446		
17,400.00	7,082.68	7,108.68	7,108.68	302.17	246.44	90.07	1,459.03	-8,427.25	1,833.17	1,317.87	515.30	3.557		
17,500.00	7,082.91	7,108.91	7,108.91	305.01	246.45	90.08	1,459.03	-8,427.25	1,881.42	1,370.40	511.02	3.682		
17,600.00	7,083.14	7,109.14	7,109.14	307.85	246.46	90.08	1,459.03	-8,427.25	1,933.65	1,427.21	506.44	3.818		
17,700.00	7,083.37	7,109.37	7,109.37	310.69	246.47	90.09	1,459.03	-8,427.25	1,989.53	1,487.89	501.64	3.966		
17,800.00	7,083.60	7,109.60	7,109.60	313.53	246.47	90.10	1,459.03	-8,427.25	2,048.77	1,552.08	496.70	4.125		
17,900.00	7,083.84	7,109.84	7,109.84	316.37	246.48	90.11	1,459.03	-8,427.25	2,111.09	1,619.40	491.69	4.294		
18,000.00	7,084.07	7,110.07	7,110.07	319.21	246.49	90.12	1,459.03	-8,427.25	2,176.23	1,689.56	486.67	4.472		
18,100.00	7,084.30	7,110.30	7,110.30	322.05	246.50	90.13	1,459.03	-8,427.25	2,243.93	1,762.24	481.69	4.658		
18,200.00	7,084.53	7,110.53	7,110.53	324.89	246.51	90.13	1,459.03	-8,427.25	2,313.97	1,837.20	476.77	4.853		
18,300.00	7,084.76	7,110.76	7,110.76	327.73	246.51	90.14	1,459.03	-8,427.25	2,386.15	1,914.20	471.95	5.056		
18,400.00	7,084.99	7,110.99	7,110.99	330.57	246.52	90.15	1,459.03	-8,427.25	2,460.27	1,993.02	467.25	5.265		
18,500.00	7,085.22	7,111.22	7,111.22	333.41	246.53	90.16	1,459.03	-8,427.25	2,536.17	2,073.49	462.68	5.482		
18,600.00	7,085.45	7,111.45	7,111.45	336.26	246.54	90.17	1,459.03	-8,427.25	2,613.70	2,155.45	458.25	5.704		
18,700.00	7,085.68	7,111.68	7,111.68	339.10	246.55	90.17	1,459.03	-8,427.25	2,692.70	2,238.73	453.98	5.931		
18,800.00	7,085.91	7,111.91	7,111.91	341.94	246.55	90.18	1,459.03	-8,427.25	2,773.07	2,323.21	449.85	6.164		
18,839.14	7,086.00	7,112.00	7,112.00	343.06	246.56	90.19	1,459.03	-8,427.25	2,804.87	2,356.58	448.28	6.257		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-167.33	-2,755.96	-619.39	2,824.72					
100.00	100.00	83.26	83.26	3.28	3.28	-167.33	-2,756.08	-619.40	2,824.83	2,818.26	6.57	429.986		
200.00	200.00	188.33	188.33	3.34	3.33	-167.34	-2,756.34	-619.31	2,825.06	2,818.39	6.67	423.538		
300.00	300.00	282.23	282.23	3.44	3.43	-167.34	-2,756.54	-619.15	2,825.24	2,818.36	6.87	411.098		
400.00	399.98	381.62	381.62	3.60	3.57	97.17	-2,756.88	-619.24	2,825.80	2,818.63	7.17	393.907		
500.00	499.84	484.21	484.20	3.80	3.77	97.27	-2,757.14	-619.42	2,826.75	2,819.18	7.57	373.582		
600.00	599.45	582.79	582.78	4.04	4.00	97.41	-2,757.36	-619.51	2,828.11	2,820.08	8.03	352.189		
700.00	698.70	693.86	693.86	4.31	4.29	97.65	-2,757.49	-619.43	2,829.82	2,821.23	8.59	329.269		
800.00	797.47	784.76	784.75	4.62	4.54	97.89	-2,757.47	-619.40	2,831.93	2,822.77	9.16	309.030		
900.00	895.62	879.17	879.17	4.97	4.83	98.20	-2,757.63	-619.61	2,834.87	2,825.07	9.80	289.359		
980.89	974.49	970.26	970.26	5.27	5.13	98.55	-2,757.71	-619.68	2,837.64	2,827.25	10.39	273.035		
1,000.00	993.07	992.98	992.98	5.34	5.20	98.65	-2,757.66	-619.65	2,838.28	2,827.74	10.54	269.225		
1,100.00	1,090.26	1,080.37	1,080.36	5.75	5.49	99.06	-2,757.52	-619.58	2,841.83	2,830.59	11.24	252.775		
1,200.00	1,187.45	1,174.90	1,174.89	6.17	5.82	99.51	-2,757.61	-619.65	2,845.86	2,833.86	12.00	237.189		
1,300.00	1,284.64	1,270.08	1,270.07	6.62	6.17	99.95	-2,757.75	-619.68	2,850.10	2,837.32	12.78	222.981		
1,400.00	1,381.83	1,368.79	1,368.79	7.07	6.53	100.41	-2,757.96	-619.65	2,854.58	2,840.98	13.60	209.910		
1,500.00	1,479.01	1,466.69	1,466.68	7.54	6.89	100.86	-2,758.11	-619.54	2,859.16	2,844.73	14.43	198.133		
1,600.00	1,576.20	1,565.51	1,565.50	8.02	7.27	101.32	-2,758.25	-619.44	2,863.92	2,848.64	15.28	187.431		
1,700.00	1,673.39	1,661.70	1,661.69	8.50	7.64	101.76	-2,758.37	-619.20	2,868.82	2,852.69	16.13	177.849		
1,800.00	1,770.58	1,759.02	1,759.02	8.99	8.02	102.21	-2,758.45	-619.32	2,873.96	2,856.96	17.00	169.098		
1,900.00	1,867.77	1,863.27	1,863.26	9.48	8.42	102.68	-2,758.51	-619.15	2,879.17	2,861.27	17.90	160.877		
2,000.00	1,964.96	1,954.05	1,954.05	9.98	8.78	103.10	-2,758.35	-619.19	2,884.42	2,865.67	18.75	153.831		
2,100.00	2,062.15	2,043.58	2,043.57	10.49	9.14	103.51	-2,758.51	-619.47	2,890.26	2,870.65	19.61	147.418		
2,200.00	2,159.34	2,146.96	2,146.95	10.99	9.55	103.99	-2,758.65	-619.90	2,896.28	2,875.76	20.52	141.117		
2,300.00	2,256.53	2,250.52	2,250.52	11.50	9.97	104.46	-2,758.48	-620.24	2,902.18	2,880.74	21.45	135.319		
2,400.00	2,353.71	2,353.33	2,353.32	12.01	10.38	104.93	-2,758.24	-620.41	2,908.15	2,885.78	22.37	130.001		
2,500.00	2,450.90	2,454.67	2,454.66	12.53	10.79	105.38	-2,757.87	-620.22	2,914.05	2,890.76	23.29	125.116		
2,600.00	2,548.09	2,552.21	2,552.20	13.04	11.19	105.82	-2,757.50	-620.00	2,920.10	2,895.91	24.20	120.673		
2,700.00	2,645.28	2,647.61	2,647.60	13.56	11.58	106.24	-2,757.12	-619.80	2,926.32	2,901.22	25.10	116.587		
2,800.00	2,742.47	2,738.87	2,738.86	14.08	11.95	106.64	-2,756.98	-619.43	2,932.86	2,906.87	25.99	112.863		
2,900.00	2,839.66	2,832.70	2,832.69	14.60	12.34	107.05	-2,757.00	-619.20	2,939.78	2,912.89	26.89	109.345		
3,000.00	2,936.85	2,934.17	2,934.16	15.12	12.75	107.49	-2,756.79	-619.29	2,946.79	2,918.97	27.82	105.926		
3,100.00	3,034.04	3,029.52	3,029.51	15.65	13.15	107.92	-2,756.49	-619.46	2,953.92	2,925.19	28.73	102.823		
3,200.00	3,131.22	3,119.28	3,119.26	16.17	13.52	108.31	-2,756.48	-619.44	2,961.41	2,931.79	29.61	100.001		
3,300.00	3,228.41	3,210.88	3,210.86	16.69	13.90	108.70	-2,756.62	-619.57	2,969.28	2,938.77	30.51	97.327		
3,400.00	3,325.60	3,306.06	3,306.05	17.22	14.30	109.11	-2,756.94	-619.61	2,977.43	2,946.01	31.42	94.762		
3,500.00	3,422.79	3,402.08	3,402.06	17.75	14.70	109.52	-2,757.38	-619.51	2,985.80	2,953.47	32.34	92.336		
3,600.00	3,519.98	3,495.40	3,495.38	18.27	15.09	109.91	-2,757.88	-619.46	2,994.41	2,961.17	33.24	90.082		
3,700.00	3,617.17	3,587.71	3,587.69	18.80	15.47	110.30	-2,758.50	-619.46	3,003.33	2,969.19	34.14	87.968		
3,800.00	3,714.36	3,682.25	3,682.23	19.33	15.87	110.69	-2,759.24	-619.52	3,012.52	2,977.47	35.05	85.944		
3,900.00	3,811.55	3,781.49	3,781.47	19.86	16.28	111.10	-2,760.03	-619.60	3,021.89	2,985.91	35.99	83.975		
4,000.00	3,908.74	3,880.04	3,880.01	20.39	16.70	111.51	-2,760.77	-619.60	3,031.34	2,994.43	36.92	82.115		
4,100.00	4,005.92	3,972.16	3,972.13	21.92	17.08	111.88	-2,761.54	-619.55	3,040.99	3,003.17	37.82	80.415		
4,200.00	4,103.11	4,066.48	4,066.45	21.45	17.48	112.26	-2,762.48	-619.56	3,050.95	3,012.23	38.73	78.781		
4,300.00	4,200.30	4,164.33	4,164.28	21.98	17.89	112.65	-2,763.54	-619.46	3,061.09	3,021.44	39.65	77.194		
4,400.00	4,297.49	4,259.37	4,259.32	22.51	18.29	113.03	-2,764.67	-619.18	3,071.36	3,030.80	40.57	75.708		
4,500.00	4,394.68	4,359.18	4,359.13	23.04	18.71	113.42	-2,765.84	-619.05	3,081.84	3,040.34	41.51	74.250		
4,600.00	4,491.87	4,456.24	4,456.18	23.57	19.12	113.80	-2,766.71	-619.11	3,092.33	3,049.90	42.43	72.881		
4,700.00	4,589.06	4,552.26	4,552.19	24.10	19.53	114.19	-2,767.38	-619.71	3,103.06	3,059.71	43.35	71.584		
4,800.00	4,686.25	4,650.91	4,650.85	24.64	19.95	114.58	-2,768.07	-620.21	3,113.89	3,069.61	44.28	70.323		
4,900.00	4,783.43	4,753.31	4,753.24	25.17	20.38	114.98	-2,768.89	-620.43	3,124.81	3,079.58	45.23	69.088		
5,000.00	4,880.62	4,854.99	4,854.91	25.70	20.81	115.37	-2,769.81	-620.04	3,135.64	3,089.46	46.18	67.906		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,954.70	4,954.62	26.23	21.23	115.74	-2,770.70	-619.56	3,146.55	3,099.44	47.11	66.789		
5,200.00	5,075.00	5,056.78	5,056.70	26.77	21.66	116.12	-2,771.37	-619.21	3,157.47	3,109.41	48.06	65.699		
5,300.00	5,172.19	5,154.43	5,154.34	27.30	22.08	116.49	-2,771.83	-618.97	3,168.40	3,119.42	48.99	64.681		
5,400.00	5,269.38	5,251.02	5,250.94	27.83	22.49	116.85	-2,772.24	-618.86	3,179.52	3,129.62	49.91	63.711		
5,457.75	5,325.51	5,308.11	5,308.03	28.14	22.73	117.07	-2,772.46	-618.83	3,185.99	3,135.55	50.44	63.161		
5,500.00	5,366.64	5,350.11	5,350.03	28.37	22.91	117.30	-2,772.60	-618.81	3,190.60	3,139.77	50.83	62.764		
5,600.00	5,464.53	5,446.16	5,446.07	28.87	23.31	117.79	-2,772.89	-618.78	3,200.44	3,148.71	51.73	61.869		
5,700.00	5,563.07	5,541.34	5,541.25	29.35	23.72	118.19	-2,773.27	-618.85	3,208.87	3,156.27	52.60	61.010		
5,800.00	5,662.15	5,639.02	5,638.94	29.80	24.13	118.52	-2,773.65	-619.00	3,215.75	3,162.29	53.45	60.161		
5,900.00	5,761.64	5,735.07	5,734.98	30.23	24.54	118.77	-2,774.00	-619.33	3,221.08	3,166.80	54.28	59.341		
6,000.00	5,861.42	5,833.33	5,833.24	30.64	24.96	118.94	-2,774.32	-619.89	3,224.86	3,169.76	55.10	58.526		
6,100.00	5,961.36	5,935.09	5,934.99	31.02	25.39	119.03	-2,774.46	-620.69	3,226.92	3,170.99	55.92	57.704		
6,138.64	6,000.00	5,973.85	5,973.75	31.16	25.55	-145.44	-2,774.43	-621.10	3,227.25	3,171.02	56.23	57.395		
6,200.00	6,061.36	6,033.34	6,033.24	31.38	25.80	-145.43	-2,774.31	-621.85	3,227.59	3,170.89	56.70	56.926		
6,300.00	6,161.36	6,130.59	6,130.48	31.74	26.22	-145.41	-2,774.13	-623.25	3,228.25	3,170.78	57.47	56.176		
6,400.00	6,261.36	6,234.18	6,234.05	32.10	26.65	-145.38	-2,773.78	-624.90	3,228.87	3,170.60	58.27	55.412		
6,500.00	6,361.36	6,334.38	6,334.24	32.46	27.08	-145.35	-2,773.30	-626.53	3,229.41	3,170.35	59.06	54.682		
6,562.02	6,423.38	6,393.54	6,393.39	32.68	27.33	-145.33	-2,773.01	-627.58	3,229.78	3,170.25	59.53	54.252		
6,600.00	6,461.34	6,431.04	6,430.88	32.82	27.49	-55.07	-2,772.82	-628.29	3,229.39	3,169.56	59.82	53.981		
6,650.00	6,511.08	6,480.61	6,480.44	32.99	27.70	-55.31	-2,772.56	-629.25	3,226.89	3,166.69	60.20	53.599		
6,700.00	6,560.29	6,532.59	6,532.41	33.17	27.92	-55.78	-2,772.27	-630.26	3,222.17	3,161.56	60.60	53.170		
6,750.00	6,608.64	6,585.57	6,585.38	33.36	28.14	-56.48	-2,771.94	-631.22	3,215.21	3,154.20	61.01	52.700		
6,800.00	6,655.86	6,636.17	6,635.97	33.56	28.36	-57.42	-2,771.60	-632.08	3,206.09	3,144.67	61.42	52.203		
6,850.00	6,701.64	6,684.80	6,684.60	33.78	28.57	-58.58	-2,771.27	-632.82	3,194.93	3,133.10	61.82	51.678		
6,900.00	6,745.71	6,735.43	6,735.22	34.01	28.78	-60.01	-2,770.90	-633.53	3,181.82	3,119.56	62.26	51.108		
6,950.00	6,787.79	6,785.53	6,785.31	34.27	28.99	-61.67	-2,770.44	-634.16	3,166.86	3,104.16	62.70	50.504		
7,000.00	6,827.62	6,834.53	6,834.31	34.56	29.20	-63.58	-2,769.86	-634.74	3,150.20	3,087.03	63.17	49.869		
7,050.00	6,864.96	6,881.16	6,880.93	34.87	29.40	-65.70	-2,769.17	-635.27	3,132.00	3,068.36	63.65	49.209		
7,100.00	6,899.58	6,920.54	6,920.30	35.21	29.56	-67.96	-2,768.46	-635.73	3,112.49	3,048.37	64.12	48.542		
7,150.00	6,931.26	6,954.05	6,953.80	35.60	29.71	-70.34	-2,767.79	-636.21	3,091.91	3,027.31	64.60	47.864		
7,200.00	6,959.81	6,984.54	6,984.28	36.02	29.84	-72.84	-2,767.11	-636.72	3,070.48	3,005.38	65.10	47.166		
7,250.00	6,985.06	7,013.14	7,012.86	36.47	29.96	-75.46	-2,766.42	-637.26	3,048.41	2,982.78	65.63	46.446		
7,300.00	7,006.84	7,039.65	7,039.36	36.97	30.07	-78.15	-2,765.73	-637.80	3,025.89	2,959.69	66.20	45.709		
7,350.00	7,025.02	7,062.13	7,061.82	37.51	30.17	-80.85	-2,765.09	-638.29	3,003.13	2,936.34	66.79	44.965		
7,400.00	7,039.49	7,080.40	7,080.09	38.09	30.24	-83.49	-2,764.54	-638.71	2,980.36	2,912.96	67.40	44.218		
7,450.00	7,050.17	7,094.33	7,094.01	38.70	30.30	-86.05	-2,764.10	-639.04	2,957.78	2,889.75	68.03	43.475		
7,500.00	7,056.98	7,103.80	7,103.46	39.33	30.34	-88.48	-2,763.79	-639.27	2,935.60	2,866.91	68.68	42.741		
7,550.00	7,059.89	7,108.69	7,108.35	39.99	30.36	-90.74	-2,763.63	-639.39	2,913.99	2,844.65	69.34	42.022		
7,560.55	7,060.00	7,109.13	7,108.79	40.13	30.37	-91.19	-2,763.62	-639.40	2,909.52	2,840.04	69.48	41.873		
7,600.00	7,060.09	7,110.40	7,110.06	40.67	30.37	-91.22	-2,763.58	-639.43	2,893.10	2,823.08	70.02	41.317		
7,700.00	7,060.32	7,113.65	7,113.31	42.14	30.38	-91.29	-2,763.47	-639.52	2,853.48	2,781.97	71.51	39.901		
7,800.00	7,060.55	7,116.94	7,116.59	43.75	30.40	-91.36	-2,763.36	-639.60	2,816.85	2,743.68	73.17	38.496		
7,900.00	7,060.78	7,120.27	7,119.92	45.48	30.41	-91.44	-2,763.24	-639.68	2,783.33	2,708.35	74.99	37.118		
8,000.00	7,061.01	7,119.36	7,119.01	47.33	30.41	-91.42	-2,763.29	-639.65	2,753.05	2,676.13	76.92	35.789		
8,100.00	7,061.24	7,122.01	7,121.66	49.27	30.42	-91.47	-2,763.20	-639.71	2,726.09	2,647.10	79.00	34.510		
8,200.00	7,061.47	7,124.67	7,124.31	51.29	30.43	-91.53	-2,763.12	-639.78	2,702.57	2,621.40	81.17	33.296		
8,300.00	7,061.70	7,127.32	7,126.96	53.40	30.45	-91.59	-2,763.03	-639.84	2,682.56	2,599.14	83.42	32.157		
8,400.00	7,061.93	7,129.97	7,129.62	55.57	30.46	-91.65	-2,762.94	-639.91	2,666.15	2,580.41	85.74	31.097		
8,500.00	7,062.16	7,132.63	7,132.27	57.80	30.47	-91.70	-2,762.86	-639.97	2,653.41	2,565.32	88.09	30.121		
8,600.00	7,062.39	7,135.28	7,134.92	60.08	30.48	-91.76	-2,762.77	-640.04	2,644.39	2,553.92	90.47	29.230		
8,700.00	7,062.63	7,137.93	7,137.57	62.42	30.49	-91.82	-2,762.69	-640.10	2,639.13	2,546.28	92.85	28.425		
8,789.10	7,062.83	7,140.30	7,139.93	64.53	30.50	-91.87	-2,762.61	-640.16	2,637.63	2,542.67	94.95	27.778 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,062.86	7,140.59	7,140.22	64.79	30.50	-91.88	-2,762.60	-640.17	2,637.65	2,542.44	95.21	27.704		
8,900.00	7,063.09	7,143.24	7,142.87	67.20	30.51	-91.93	-2,762.51	-640.23	2,639.95	2,542.42	97.53	27.067	ES	
9,000.00	7,063.32	7,145.90	7,145.52	69.65	30.53	-91.99	-2,762.43	-640.30	2,646.04	2,546.23	99.81	26.510		
9,100.00	7,063.55	7,148.55	7,148.18	72.12	30.54	-92.05	-2,762.34	-640.36	2,655.87	2,553.85	102.02	26.032		
9,200.00	7,063.78	7,151.20	7,150.83	74.63	30.55	-92.11	-2,762.25	-640.43	2,669.42	2,565.26	104.16	25.627		
9,300.00	7,064.01	7,153.86	7,153.48	77.16	30.56	-92.17	-2,762.17	-640.49	2,686.62	2,580.40	106.21	25.294		
9,400.00	7,064.24	7,156.51	7,156.13	79.71	30.57	-92.22	-2,762.08	-640.56	2,707.40	2,599.23	108.17	25.029		
9,500.00	7,064.47	7,159.16	7,158.78	82.28	30.58	-92.28	-2,762.00	-640.62	2,731.68	2,621.66	110.03	24.827		
9,600.00	7,064.70	7,161.82	7,161.43	84.87	30.60	-92.34	-2,761.91	-640.69	2,759.38	2,647.60	111.78	24.686		
9,700.00	7,064.93	7,164.47	7,164.08	87.47	30.61	-92.40	-2,761.82	-640.75	2,790.38	2,676.96	113.42	24.602		
9,800.00	7,065.16	7,167.13	7,166.74	90.09	30.62	-92.45	-2,761.74	-640.82	2,824.58	2,709.63	114.96	24.571	SF	
9,900.00	7,065.39	7,169.78	7,169.39	92.73	30.63	-92.51	-2,761.65	-640.88	2,861.87	2,745.49	116.38	24.590		
10,000.00	7,065.62	7,172.43	7,172.04	95.38	30.64	-92.57	-2,761.56	-640.94	2,902.12	2,784.42	117.70	24.656		
10,100.00	7,065.85	7,175.09	7,174.69	98.04	30.65	-92.63	-2,761.48	-641.01	2,945.22	2,826.30	118.92	24.767		
10,200.00	7,066.08	7,177.74	7,177.34	100.71	30.67	-92.68	-2,761.39	-641.07	2,991.04	2,871.00	120.03	24.918		
10,300.00	7,066.31	7,180.39	7,179.99	103.39	30.68	-92.74	-2,761.31	-641.14	3,039.45	2,918.40	121.05	25.109		
10,400.00	7,066.54	7,183.05	7,182.65	106.08	30.69	-92.80	-2,761.22	-641.20	3,090.35	2,968.37	121.98	25.336		
10,500.00	7,066.77	7,185.70	7,185.30	108.78	30.70	-92.86	-2,761.13	-641.27	3,143.59	3,020.78	122.82	25.596		
10,600.00	7,067.01	7,188.35	7,187.95	111.48	30.71	-92.91	-2,761.05	-641.33	3,199.08	3,075.51	123.57	25.888		
10,700.00	7,067.24	7,191.01	7,190.60	114.20	30.72	-92.97	-2,760.96	-641.40	3,256.69	3,132.44	124.25	26.210		
10,800.00	7,067.47	7,193.66	7,193.25	116.92	30.73	-93.03	-2,760.87	-641.46	3,316.31	3,191.45	124.86	26.560		
10,900.00	7,067.70	7,196.32	7,195.90	119.65	30.75	-93.09	-2,760.79	-641.53	3,377.84	3,252.44	125.40	26.936		
11,000.00	7,067.93	7,198.97	7,198.55	122.38	30.76	-93.14	-2,760.70	-641.59	3,441.18	3,315.29	125.88	27.336		
11,100.00	7,068.16	7,201.62	7,201.21	125.12	30.77	-93.20	-2,760.62	-641.66	3,506.22	3,379.91	126.31	27.759		
11,200.00	7,068.39	7,204.28	7,203.86	127.86	30.78	-93.26	-2,760.53	-641.72	3,572.87	3,446.19	126.68	28.204		
11,300.00	7,068.62	7,206.93	7,206.51	130.61	30.79	-93.32	-2,760.44	-641.79	3,641.05	3,514.04	127.01	28.668		
11,400.00	7,068.85	7,209.58	7,209.16	133.37	30.80	-93.37	-2,760.36	-641.85	3,710.67	3,583.38	127.29	29.152		
11,500.00	7,069.08	7,212.24	7,211.81	136.12	30.82	-93.43	-2,760.27	-641.92	3,781.65	3,654.12	127.53	29.653		
11,600.00	7,069.31	7,214.89	7,214.46	138.89	30.83	-93.49	-2,760.18	-641.98	3,853.92	3,726.18	127.74	30.171		
11,700.00	7,069.54	7,217.55	7,217.11	141.65	30.84	-93.55	-2,760.10	-642.05	3,927.40	3,799.48	127.91	30.704		
11,800.00	7,069.77	7,220.20	7,219.77	144.42	30.85	-93.61	-2,760.01	-642.11	4,002.03	3,873.97	128.06	31.252		
11,900.00	7,070.00	7,222.85	7,222.42	147.19	30.86	-93.66	-2,759.93	-642.18	4,077.74	3,949.56	128.17	31.814		
12,000.00	7,070.23	7,225.51	7,225.07	149.97	30.87	-93.72	-2,759.84	-642.24	4,154.48	4,026.21	128.27	32.389		
12,100.00	7,070.46	7,228.16	7,227.72	152.75	30.89	-93.78	-2,759.75	-642.30	4,232.19	4,103.85	128.34	32.976		
12,200.00	7,070.69	7,230.81	7,230.37	155.53	30.90	-93.84	-2,759.67	-642.37	4,310.81	4,182.42	128.39	33.575		
12,300.00	7,070.92	7,233.47	7,233.02	158.32	30.91	-93.89	-2,759.58	-642.43	4,390.31	4,261.88	128.43	34.185		
12,400.00	7,071.16	7,236.12	7,235.67	161.10	30.92	-93.95	-2,759.49	-642.50	4,470.63	4,342.18	128.45	34.805		
12,500.00	7,071.39	7,238.77	7,238.33	163.89	30.93	-94.01	-2,759.41	-642.56	4,551.72	4,423.27	128.45	35.434		
12,600.00	7,071.62	7,241.43	7,240.98	166.69	30.94	-94.07	-2,759.32	-642.63	4,633.55	4,505.10	128.45	36.073		
12,700.00	7,071.85	7,244.08	7,243.63	169.48	30.96	-94.12	-2,759.24	-642.69	4,716.08	4,587.65	128.43	36.721		
12,800.00	7,072.08	7,246.74	7,246.28	172.28	30.97	-94.18	-2,759.15	-642.76	4,799.28	4,670.87	128.40	37.377		
12,900.00	7,072.31	7,249.39	7,248.93	175.08	30.98	-94.24	-2,759.06	-642.82	4,883.10	4,754.73	128.37	38.040		
13,000.00	7,072.54	7,252.04	7,251.58	177.88	30.99	-94.30	-2,758.98	-642.89	4,967.52	4,839.20	128.32	38.711		
13,100.00	7,072.77	7,254.70	7,254.24	180.68	31.00	-94.35	-2,758.89	-642.95	5,052.51	4,924.24	128.27	39.389		
13,200.00	7,073.00	7,257.35	7,256.89	183.48	31.01	-94.41	-2,758.80	-643.02	5,138.04	5,009.82	128.22	40.073		
13,300.00	7,073.23	7,260.00	7,259.54	186.29	31.03	-94.47	-2,758.72	-643.08	5,224.08	5,095.92	128.16	40.763		
13,400.00	7,073.46	7,262.66	7,262.19	189.09	31.04	-94.53	-2,758.63	-643.15	5,310.60	5,182.51	128.09	41.460		
13,500.00	7,073.69	7,265.31	7,264.84	191.90	31.05	-94.58	-2,758.55	-643.21	5,397.59	5,269.57	128.02	42.162		
13,600.00	7,073.92	7,267.97	7,267.49	194.71	31.06	-94.64	-2,758.46	-643.28	5,485.03	5,357.08	127.95	42.869		
13,700.00	7,074.15	7,270.62	7,270.14	197.52	31.07	-94.70	-2,758.37	-643.34	5,572.88	5,445.01	127.87	43.581		
13,800.00	7,074.38	7,273.27	7,272.80	200.34	31.08	-94.76	-2,758.29	-643.41	5,661.14	5,533.34	127.80	44.298		
13,900.00	7,074.61	7,275.93	7,275.45	203.15	31.09	-94.81	-2,758.20	-643.47	5,749.78	5,622.06	127.72	45.020		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,278.58	7,278.10	205.97	31.11	-94.87	-2,758.11	-643.54	5,838.79	5,711.15	127.64	45.746		
14,100.00	7,075.07	7,281.23	7,280.75	208.78	31.12	-94.93	-2,758.03	-643.60	5,928.14	5,800.59	127.55	46.475		
14,200.00	7,075.30	7,283.89	7,283.40	211.60	31.13	-94.99	-2,757.94	-643.66	6,017.83	5,890.36	127.47	47.209		
14,300.00	7,075.54	7,286.54	7,286.05	214.42	31.14	-95.04	-2,757.85	-643.73	6,107.84	5,980.45	127.39	47.946		
14,400.00	7,075.77	7,289.19	7,288.70	217.24	31.15	-95.10	-2,757.77	-643.79	6,198.15	6,070.85	127.31	48.687		
14,500.00	7,076.00	7,291.85	7,291.36	220.06	31.16	-95.16	-2,757.68	-643.86	6,288.76	6,161.54	127.22	49.431		
14,600.00	7,076.23	7,294.50	7,294.01	222.88	31.18	-95.22	-2,757.60	-643.92	6,379.64	6,252.50	127.14	50.178		
14,700.00	7,076.46	7,297.16	7,296.66	225.70	31.19	-95.27	-2,757.51	-643.99	6,470.80	6,343.73	127.06	50.929		
14,800.00	7,076.69	7,299.81	7,299.31	228.53	31.20	-95.33	-2,757.42	-644.05	6,562.21	6,435.23	126.97	51.681		
14,900.00	7,076.92	7,302.46	7,301.96	231.35	31.21	-95.39	-2,757.34	-644.12	6,653.86	6,526.97	126.89	52.437		
15,000.00	7,077.15	7,305.12	7,304.61	234.18	31.22	-95.45	-2,757.25	-644.18	6,745.75	6,618.94	126.81	53.195		
15,100.00	7,077.38	7,307.77	7,307.26	237.00	31.23	-95.50	-2,757.16	-644.25	6,837.87	6,711.14	126.73	53.955		
15,200.00	7,077.61	7,310.42	7,309.92	239.83	31.25	-95.56	-2,757.08	-644.31	6,930.21	6,803.55	126.65	54.718		
15,300.00	7,077.84	7,313.08	7,312.57	242.66	31.26	-95.62	-2,756.99	-644.38	7,022.75	6,896.18	126.58	55.483		
15,400.00	7,078.07	7,315.73	7,315.22	245.49	31.27	-95.67	-2,756.91	-644.44	7,115.50	6,989.00	126.50	56.250		
15,500.00	7,078.30	7,318.38	7,317.87	248.31	31.28	-95.73	-2,756.82	-644.51	7,208.44	7,082.01	126.42	57.018		
15,600.00	7,078.53	7,321.04	7,320.52	251.14	31.29	-95.79	-2,756.73	-644.57	7,301.56	7,175.21	126.35	57.789		
15,700.00	7,078.76	7,323.69	7,323.17	253.97	31.30	-95.85	-2,756.65	-644.64	7,394.86	7,268.59	126.28	58.561		
15,800.00	7,078.99	7,326.35	7,325.83	256.80	31.32	-95.90	-2,756.56	-644.70	7,488.34	7,362.13	126.20	59.335		
15,900.00	7,079.22	7,329.00	7,328.48	259.64	31.33	-95.96	-2,756.47	-644.77	7,581.98	7,455.84	126.13	60.110		
16,000.00	7,079.45	7,331.65	7,331.13	262.47	31.34	-96.02	-2,756.39	-644.83	7,675.78	7,549.71	126.07	60.887		
16,100.00	7,079.69	7,334.31	7,333.78	265.30	31.35	-96.08	-2,756.30	-644.90	7,769.73	7,643.73	126.00	61.665		
16,200.00	7,079.92	7,336.96	7,336.43	268.13	31.36	-96.13	-2,756.22	-644.96	7,863.83	7,737.90	125.93	62.444		
16,300.00	7,080.15	7,339.61	7,339.08	270.97	31.37	-96.19	-2,756.13	-645.02	7,958.08	7,832.21	125.87	63.225		
16,400.00	7,080.38	7,342.27	7,341.73	273.80	31.39	-96.25	-2,756.04	-645.09	8,052.46	7,926.65	125.81	64.006		
16,500.00	7,080.61	7,344.92	7,344.39	276.64	31.40	-96.31	-2,755.96	-645.15	8,146.97	8,021.23	125.75	64.789		
16,600.00	7,080.84	7,347.58	7,347.04	279.47	31.41	-96.36	-2,755.87	-645.22	8,241.62	8,115.93	125.69	65.572		
16,700.00	7,081.07	7,350.23	7,349.69	282.31	31.42	-96.42	-2,755.78	-645.28	8,336.39	8,210.76	125.63	66.357		
16,800.00	7,081.30	7,352.88	7,352.34	285.14	31.43	-96.48	-2,755.70	-645.35	8,431.28	8,305.70	125.57	67.142		
16,900.00	7,081.53	7,355.54	7,354.99	287.98	31.44	-96.53	-2,755.61	-645.41	8,526.28	8,400.76	125.52	67.928		
17,000.00	7,081.76	7,358.19	7,357.64	290.82	31.46	-96.59	-2,755.53	-645.48	8,621.40	8,495.93	125.47	68.715		
17,100.00	7,081.99	7,360.84	7,360.29	293.65	31.47	-96.65	-2,755.44	-645.54	8,716.62	8,591.21	125.42	69.502		
17,200.00	7,082.22	7,363.50	7,362.95	296.49	31.48	-96.71	-2,755.35	-645.61	8,811.95	8,686.59	125.37	70.290		
17,300.00	7,082.45	7,366.15	7,365.60	299.33	31.49	-96.76	-2,755.27	-645.67	8,907.38	8,782.07	125.32	71.078		
17,400.00	7,082.68	7,368.80	7,368.25	302.17	31.50	-96.82	-2,755.18	-645.74	9,002.91	8,877.64	125.27	71.867		
17,500.00	7,082.91	7,371.46	7,370.90	305.01	31.51	-96.88	-2,755.09	-645.80	9,098.54	8,973.31	125.23	72.656		
17,600.00	7,083.14	7,374.11	7,373.55	307.85	31.53	-96.93	-2,755.01	-645.87	9,194.26	9,069.07	125.18	73.446		
17,700.00	7,083.37	7,376.77	7,376.20	310.69	31.54	-96.99	-2,754.92	-645.93	9,290.06	9,164.92	125.14	74.236		
17,800.00	7,083.60	7,379.42	7,378.86	313.53	31.55	-97.05	-2,754.84	-646.00	9,385.96	9,260.86	125.10	75.027		
17,900.00	7,083.84	7,382.07	7,381.51	316.37	31.56	-97.11	-2,754.75	-646.06	9,481.94	9,356.87	125.06	75.817		
18,000.00	7,084.07	7,384.73	7,384.16	319.21	31.57	-97.16	-2,754.66	-646.13	9,578.00	9,452.97	125.03	76.608		
18,100.00	7,084.30	7,387.38	7,386.81	322.05	31.58	-97.22	-2,754.58	-646.19	9,674.14	9,549.14	124.99	77.399		
18,200.00	7,084.53	7,390.03	7,389.46	324.89	31.60	-97.28	-2,754.49	-646.26	9,770.35	9,645.39	124.96	78.190		
18,300.00	7,084.76	7,392.69	7,392.11	327.73	31.61	-97.33	-2,754.40	-646.32	9,866.64	9,741.72	124.92	78.981		
18,400.00	7,084.99	7,395.34	7,394.76	330.57	31.62	-97.39	-2,754.32	-646.38	9,963.00	9,838.11	124.89	79.772		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-155.43	-3,825.51	-1,748.95	4,206.53					
100.00	100.00	60.00	60.00	3.28	3.44	-155.43	-3,825.51	-1,748.95	4,206.34	4,199.62	6.73	625.212		
200.00	200.00	160.00	160.00	3.34	5.05	-155.43	-3,825.51	-1,748.95	4,206.34	4,197.96	8.39	501.516		
300.00	300.00	260.00	260.00	3.44	8.03	-155.43	-3,825.51	-1,748.95	4,206.34	4,194.87	11.48	366.524		
400.00	399.98	359.98	359.98	3.60	11.31	109.07	-3,825.51	-1,748.95	4,206.91	4,192.01	14.91	282.213		
500.00	499.84	459.84	459.84	3.80	14.68	109.11	-3,825.51	-1,748.95	4,208.63	4,190.15	18.47	227.807		
600.00	599.45	559.45	559.45	4.04	18.08	109.16	-3,825.51	-1,748.95	4,211.50	4,189.38	22.12	190.401		
700.00	698.70	658.70	658.70	4.31	21.50	109.24	-3,825.51	-1,748.95	4,215.53	4,189.72	25.81	163.319		
800.00	797.47	757.47	757.47	4.62	24.91	109.34	-3,825.51	-1,748.95	4,220.76	4,191.22	29.54	142.905		
900.00	895.62	855.62	855.62	4.97	28.31	109.46	-3,825.51	-1,748.95	4,227.20	4,193.92	33.28	127.019		
980.89	974.49	934.49	934.49	5.27	31.05	109.57	-3,825.51	-1,748.95	4,233.33	4,197.01	36.32	116.559		
1,000.00	993.07	953.07	953.07	5.34	31.70	109.62	-3,825.51	-1,748.95	4,234.88	4,197.84	37.04	114.337		
1,100.00	1,090.26	1,050.26	1,050.26	5.75	35.07	109.92	-3,825.51	-1,748.95	4,243.04	4,202.22	40.82	103.951		
1,200.00	1,187.45	1,147.45	1,147.45	6.17	38.45	110.21	-3,825.51	-1,748.95	4,251.32	4,206.70	44.62	95.279		
1,300.00	1,284.64	1,244.64	1,244.64	6.62	41.83	110.50	-3,825.51	-1,748.95	4,259.72	4,211.28	48.44	87.939		
1,400.00	1,381.83	1,341.83	1,341.83	7.07	45.22	110.79	-3,825.51	-1,748.95	4,268.23	4,215.96	52.27	81.652		
1,500.00	1,479.01	1,439.01	1,439.01	7.54	48.60	111.07	-3,825.51	-1,748.95	4,276.85	4,220.73	56.12	76.210		
1,600.00	1,576.20	1,536.20	1,536.20	8.02	51.99	111.36	-3,825.51	-1,748.95	4,285.58	4,225.61	59.97	71.456		
1,700.00	1,673.39	1,633.39	1,633.39	8.50	55.37	111.65	-3,825.51	-1,748.95	4,294.43	4,230.59	63.84	67.270		
1,800.00	1,770.58	1,730.58	1,730.58	8.99	58.76	111.93	-3,825.51	-1,748.95	4,303.39	4,235.68	67.71	63.558		
1,900.00	1,867.77	1,827.77	1,827.77	9.48	62.15	112.21	-3,825.51	-1,748.95	4,312.45	4,240.87	71.58	60.243		
2,000.00	1,964.96	1,924.96	1,924.96	9.98	65.54	112.50	-3,825.51	-1,748.95	4,321.63	4,246.16	75.46	57.267		
2,100.00	2,062.15	2,022.15	2,022.15	10.49	68.93	112.78	-3,825.51	-1,748.95	4,330.91	4,251.56	79.35	54.581		
2,200.00	2,159.34	2,119.34	2,119.34	10.99	72.32	113.06	-3,825.51	-1,748.95	4,340.30	4,257.07	83.24	52.145		
2,300.00	2,256.53	2,216.53	2,216.53	11.50	75.70	113.33	-3,825.51	-1,748.95	4,349.80	4,262.67	87.13	49.926		
2,400.00	2,353.71	2,313.71	2,313.71	12.01	79.09	113.61	-3,825.51	-1,748.95	4,359.40	4,268.39	91.02	47.896		
2,500.00	2,450.90	2,410.90	2,410.90	12.53	82.48	113.89	-3,825.51	-1,748.95	4,369.11	4,274.20	94.91	46.033		
2,600.00	2,548.09	2,508.09	2,508.09	13.04	85.87	114.16	-3,825.51	-1,748.95	4,378.93	4,280.12	98.81	44.317		
2,700.00	2,645.28	2,605.28	2,605.28	13.56	89.27	114.44	-3,825.51	-1,748.95	4,388.85	4,286.14	102.71	42.732		
2,800.00	2,742.47	2,702.47	2,702.47	14.08	92.66	114.71	-3,825.51	-1,748.95	4,398.87	4,292.27	106.60	41.263		
2,900.00	2,839.66	2,800.34	2,799.66	14.60	96.07	114.98	-3,825.51	-1,748.95	4,409.00	4,298.47	110.53	39.890		
3,000.00	2,936.85	2,903.15	2,896.85	15.12	99.66	115.25	-3,825.51	-1,748.95	4,419.23	4,304.60	114.63	38.553		
3,100.00	3,034.04	3,005.96	2,994.04	15.65	103.25	115.52	-3,825.51	-1,748.95	4,429.56	4,310.84	118.72	37.310		
3,200.00	3,131.22	3,108.78	3,091.22	16.17	106.83	115.79	-3,825.51	-1,748.95	4,439.99	4,317.17	122.82	36.150		
3,300.00	3,228.41	3,188.41	3,188.41	16.69	109.61	116.06	-3,825.51	-1,748.95	4,450.52	4,324.41	126.11	35.290		
3,400.00	3,325.60	3,285.60	3,285.60	17.22	113.00	116.32	-3,825.51	-1,748.95	4,461.15	4,331.14	130.02	34.312		
3,500.00	3,422.79	3,382.79	3,382.79	17.75	116.39	116.59	-3,825.51	-1,748.95	4,471.88	4,337.96	133.92	33.392		
3,600.00	3,519.98	3,479.98	3,479.98	18.27	119.79	116.85	-3,825.51	-1,748.95	4,482.71	4,344.89	137.82	32.525		
3,700.00	3,617.17	3,577.17	3,577.17	18.80	123.18	117.11	-3,825.51	-1,748.95	4,493.64	4,351.91	141.73	31.706		
3,800.00	3,714.36	3,674.36	3,674.36	19.33	126.57	117.37	-3,825.51	-1,748.95	4,504.66	4,359.02	145.63	30.931		
3,900.00	3,811.55	3,771.55	3,771.55	19.86	129.96	117.63	-3,825.51	-1,748.95	4,515.77	4,366.24	149.54	30.198		
4,000.00	3,908.74	3,868.74	3,868.74	20.39	133.35	117.89	-3,825.51	-1,748.95	4,526.99	4,373.54	153.44	29.503		
4,100.00	4,005.92	3,965.92	3,965.92	20.92	136.74	118.15	-3,825.51	-1,748.95	4,538.29	4,380.94	157.35	28.842		
4,200.00	4,103.11	4,063.11	4,063.11	21.45	140.14	118.40	-3,825.51	-1,748.95	4,549.69	4,388.44	161.25	28.214		
4,300.00	4,200.30	4,160.30	4,160.30	21.98	143.53	118.66	-3,825.51	-1,748.95	4,561.19	4,396.03	165.16	27.617		
4,400.00	4,297.49	4,257.49	4,257.49	22.51	146.92	118.91	-3,825.51	-1,748.95	4,572.77	4,403.71	169.06	27.048		
4,500.00	4,394.68	4,354.68	4,354.68	23.04	150.31	119.16	-3,825.51	-1,748.95	4,584.45	4,411.48	172.97	26.505		
4,600.00	4,491.87	4,451.87	4,451.87	23.57	153.70	119.41	-3,825.51	-1,748.95	4,596.22	4,419.35	176.87	25.986		
4,700.00	4,589.06	4,549.06	4,549.06	24.10	157.10	119.66	-3,825.51	-1,748.95	4,608.08	4,427.30	180.78	25.490		
4,800.00	4,686.25	4,646.25	4,646.25	24.64	160.49	119.91	-3,825.51	-1,748.95	4,620.03	4,435.34	184.68	25.016		
4,900.00	4,783.43	4,743.43	4,743.43	25.17	163.88	120.16	-3,825.51	-1,748.95	4,632.06	4,443.48	188.59	24.562		
5,000.00	4,880.62	4,840.62	4,840.62	25.70	167.27	120.40	-3,825.51	-1,748.95	4,644.19	4,451.70	192.49	24.127		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,937.81	4,937.81	26.23	170.67	120.65	-3,825.51	-1,748.95	4,656.40	4,460.01	196.39	23.709		
5,200.00	5,075.00	5,035.00	5,035.00	26.77	174.06	120.89	-3,825.51	-1,748.95	4,668.70	4,468.40	200.30	23.309		
5,300.00	5,172.19	5,132.19	5,132.19	27.30	177.45	121.13	-3,825.51	-1,748.95	4,681.09	4,476.88	204.20	22.924		
5,400.00	5,269.38	5,229.38	5,229.38	27.83	180.84	121.38	-3,825.51	-1,748.95	4,693.56	4,485.45	208.10	22.554		
5,457.75	5,325.51	5,285.51	5,285.51	28.14	182.80	121.51	-3,825.51	-1,748.95	4,700.80	4,490.44	210.36	22.347		
5,500.00	5,366.64	5,326.64	5,326.64	28.37	184.24	121.70	-3,825.51	-1,748.95	4,705.95	4,493.94	212.01	22.197		
5,600.00	5,464.53	5,424.53	5,424.53	28.87	187.65	122.09	-3,825.51	-1,748.95	4,716.90	4,500.98	215.91	21.846		
5,700.00	5,563.07	5,523.07	5,523.07	29.35	191.09	122.42	-3,825.51	-1,748.95	4,726.05	4,506.23	219.82	21.500		
5,800.00	5,662.15	5,622.15	5,622.15	29.80	194.55	122.68	-3,825.51	-1,748.95	4,733.38	4,509.65	223.72	21.157		
5,900.00	5,761.64	5,721.64	5,721.64	30.23	198.02	122.88	-3,825.51	-1,748.95	4,738.84	4,511.22	227.62	20.819		
6,000.00	5,861.42	5,821.42	5,821.42	30.64	201.51	123.00	-3,825.51	-1,748.95	4,742.43	4,510.92	231.51	20.485		
6,100.00	5,961.36	5,921.36	5,921.36	31.02	205.00	123.06	-3,825.51	-1,748.95	4,744.11	4,508.72	235.39	20.154		
6,138.64	6,000.00	5,960.00	5,960.00	31.16	206.34	-141.42	-3,825.51	-1,748.95	4,744.26	4,507.38	236.88	20.028		
6,200.00	6,061.36	6,021.36	6,021.36	31.38	208.49	-141.42	-3,825.51	-1,748.95	4,744.26	4,505.01	239.24	19.830		
6,300.00	6,161.36	6,121.36	6,121.36	31.74	211.98	-141.42	-3,825.51	-1,748.95	4,744.26	4,501.16	243.09	19.516		
6,400.00	6,261.36	6,221.36	6,221.36	32.10	215.47	-141.42	-3,825.51	-1,748.95	4,744.26	4,497.31	246.95	19.212		
6,500.00	6,361.36	6,321.36	6,321.36	32.46	218.96	-141.42	-3,825.51	-1,748.95	4,744.26	4,493.46	250.80	18.916		
6,562.02	6,423.38	6,383.38	6,383.38	32.68	221.12	-141.42	-3,825.51	-1,748.95	4,744.26	4,491.06	253.19	18.738		
6,600.00	6,461.34	6,421.34	6,421.34	32.82	222.45	-51.18	-3,825.51	-1,748.95	4,743.55	4,488.89	254.65	18.628		
6,650.00	6,511.08	6,471.08	6,471.08	32.99	224.18	-51.45	-3,825.51	-1,748.95	4,740.45	4,483.89	256.56	18.477		
6,700.00	6,560.29	6,520.29	6,520.29	33.17	225.90	-51.92	-3,825.51	-1,748.95	4,734.92	4,476.48	258.44	18.321		
6,750.00	6,608.64	6,568.64	6,568.64	33.36	227.59	-52.61	-3,825.51	-1,748.95	4,727.01	4,466.70	260.31	18.159		
6,800.00	6,655.86	6,615.86	6,615.86	33.56	229.24	-53.52	-3,825.51	-1,748.95	4,716.78	4,454.65	262.14	17.994		
6,850.00	6,701.64	6,661.64	6,661.64	33.78	230.84	-54.64	-3,825.51	-1,748.95	4,704.33	4,440.41	263.92	17.825		
6,900.00	6,745.71	6,705.71	6,705.71	34.01	232.37	-55.99	-3,825.51	-1,748.95	4,689.75	4,424.09	265.66	17.653		
6,950.00	6,787.79	6,747.79	6,747.79	34.27	233.84	-57.56	-3,825.51	-1,748.95	4,673.17	4,405.83	267.34	17.480		
7,000.00	6,827.62	6,787.62	6,787.62	34.56	235.23	-59.35	-3,825.51	-1,748.95	4,654.73	4,385.77	268.96	17.306		
7,050.00	6,864.96	6,824.96	6,824.96	34.87	236.54	-61.36	-3,825.51	-1,748.95	4,634.58	4,364.06	270.51	17.133		
7,100.00	6,899.58	6,859.58	6,859.58	35.21	237.75	-63.59	-3,825.51	-1,748.95	4,612.88	4,340.89	272.00	16.959		
7,150.00	6,931.26	6,891.26	6,891.26	35.60	239.46	-66.02	-3,825.51	-1,748.95	4,589.82	4,315.81	274.01	16.750		
7,200.00	6,959.81	6,919.81	6,919.81	36.02	239.85	-68.63	-3,825.51	-1,748.95	4,565.58	4,290.85	274.73	16.618		
7,250.00	6,985.06	6,945.06	6,945.06	36.47	240.73	-71.40	-3,825.51	-1,748.95	4,540.35	4,264.37	275.97	16.452		
7,300.00	7,006.84	6,966.84	6,966.84	36.97	241.49	-74.29	-3,825.51	-1,748.95	4,514.33	4,237.19	277.13	16.289		
7,350.00	7,025.02	6,985.02	6,985.02	37.51	242.12	-77.28	-3,825.51	-1,748.95	4,487.71	4,209.51	278.20	16.131		
7,400.00	7,039.49	7,000.51	6,999.49	38.09	242.66	-80.32	-3,825.51	-1,748.95	4,460.71	4,181.49	279.21	15.976		
7,450.00	7,050.17	7,010.17	7,010.17	38.70	243.00	-83.37	-3,825.51	-1,748.95	4,433.51	4,153.45	280.05	15.831		
7,500.00	7,056.98	7,016.98	7,016.98	39.33	243.24	-86.38	-3,825.51	-1,748.95	4,406.30	4,125.48	280.83	15.690		
7,550.00	7,059.89	7,019.89	7,019.89	39.99	243.34	-89.31	-3,825.51	-1,748.95	4,379.29	4,097.80	281.49	15.557		
7,560.55	7,060.00	7,020.00	7,020.00	40.13	243.35	-89.92	-3,825.51	-1,748.95	4,373.63	4,092.01	281.62	15.530		
7,600.00	7,060.09	7,020.09	7,020.09	40.67	243.35	-89.92	-3,825.51	-1,748.95	4,352.62	4,070.54	282.09	15.430		
7,700.00	7,060.32	7,020.32	7,020.32	42.14	243.36	-89.92	-3,825.51	-1,748.95	4,300.55	4,017.14	283.40	15.175		
7,800.00	7,060.55	7,020.55	7,020.55	43.75	243.36	-89.92	-3,825.51	-1,748.95	4,250.18	3,965.31	284.88	14.919		
7,900.00	7,060.78	7,020.78	7,020.78	45.48	243.37	-89.93	-3,825.51	-1,748.95	4,201.60	3,915.10	286.50	14.665		
8,000.00	7,061.01	7,021.01	7,021.01	47.33	243.38	-89.93	-3,825.51	-1,748.95	4,154.85	3,866.58	288.27	14.413		
8,100.00	7,061.24	7,021.24	7,021.24	49.27	243.39	-89.94	-3,825.51	-1,748.95	4,110.00	3,819.83	290.17	14.164		
8,200.00	7,061.47	7,021.47	7,021.47	51.29	243.40	-89.94	-3,825.51	-1,748.95	4,067.12	3,774.92	292.20	13.919		
8,300.00	7,061.70	7,021.70	7,021.70	53.40	243.40	-89.94	-3,825.51	-1,748.95	4,026.27	3,731.93	294.34	13.679		
8,400.00	7,061.93	7,021.93	7,021.93	55.57	243.41	-89.95	-3,825.51	-1,748.95	3,987.50	3,690.91	296.59	13.445		
8,500.00	7,062.16	7,022.16	7,022.16	57.80	243.42	-89.95	-3,825.51	-1,748.95	3,950.89	3,651.95	298.93	13.217		
8,600.00	7,062.39	7,022.39	7,022.39	60.08	243.43	-89.95	-3,825.51	-1,748.95	3,916.49	3,615.12	301.37	12.996		
8,700.00	7,062.63	7,022.63	7,022.63	62.42	243.44	-89.96	-3,825.51	-1,748.95	3,884.36	3,580.48	303.87	12.783		
8,800.00	7,062.86	7,022.86	7,022.86	64.79	243.44	-89.96	-3,825.51	-1,748.95	3,854.55	3,548.11	306.45	12.578		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,023.09	7,023.09	67.20	243.45	-89.96	-3,825.51	-1,748.95	3,827.13	3,518.05	309.08	12.382		
9,000.00	7,063.32	7,023.32	7,023.32	69.65	243.46	-89.97	-3,825.51	-1,748.95	3,802.14	3,490.39	311.75	12.196		
9,100.00	7,063.55	7,023.55	7,023.55	72.12	243.47	-89.97	-3,825.51	-1,748.95	3,779.63	3,465.17	314.46	12.019		
9,200.00	7,063.78	7,023.78	7,023.78	74.63	243.48	-89.97	-3,825.51	-1,748.95	3,759.65	3,442.45	317.20	11.853		
9,300.00	7,064.01	7,024.01	7,024.01	77.16	243.49	-89.98	-3,825.51	-1,748.95	3,742.24	3,422.29	319.95	11.696		
9,400.00	7,064.24	7,024.24	7,024.24	79.71	243.49	-89.98	-3,825.51	-1,748.95	3,727.42	3,404.72	322.71	11.550		
9,500.00	7,064.47	7,024.47	7,024.47	82.28	243.50	-89.99	-3,825.51	-1,748.95	3,715.24	3,389.78	325.46	11.415		
9,600.00	7,064.70	7,024.70	7,024.70	84.87	243.51	-89.99	-3,825.51	-1,748.95	3,705.72	3,377.52	328.20	11.291		
9,700.00	7,064.93	7,024.93	7,024.93	87.47	243.52	-89.99	-3,825.51	-1,748.95	3,698.88	3,367.96	330.92	11.178		
9,800.00	7,065.16	7,025.16	7,025.16	90.09	243.53	-90.00	-3,825.51	-1,748.95	3,694.74	3,361.13	333.61	11.075		
9,900.00	7,065.39	7,025.39	7,025.39	92.73	243.53	-90.00	-3,825.51	-1,748.95	3,693.30	3,357.04	336.26	10.984		
9,903.25	7,065.40	7,025.40	7,025.40	92.81	243.53	-90.00	-3,825.51	-1,748.95	3,693.29	3,356.95	336.34	10.981 CC		
10,000.00	7,065.62	7,025.62	7,025.62	95.38	243.54	-90.00	-3,825.51	-1,748.95	3,694.56	3,355.70	338.86	10.903 ES		
10,100.00	7,065.85	7,025.85	7,025.85	98.04	243.55	-90.01	-3,825.51	-1,748.95	3,698.53	3,357.12	341.41	10.833		
10,200.00	7,066.08	7,026.08	7,026.08	100.71	243.56	-90.01	-3,825.51	-1,748.95	3,705.20	3,361.30	343.90	10.774		
10,300.00	7,066.31	7,026.31	7,026.31	103.39	243.57	-90.01	-3,825.51	-1,748.95	3,714.54	3,368.23	346.32	10.726		
10,400.00	7,066.54	7,026.54	7,026.54	106.08	243.57	-90.02	-3,825.51	-1,748.95	3,726.55	3,377.89	348.67	10.688		
10,500.00	7,066.77	7,026.77	7,026.77	108.78	243.58	-90.02	-3,825.51	-1,748.95	3,741.20	3,390.26	350.94	10.661		
10,600.00	7,067.01	7,027.01	7,027.01	111.48	243.59	-90.02	-3,825.51	-1,748.95	3,758.44	3,405.31	353.13	10.643		
10,700.00	7,067.24	7,027.24	7,027.24	114.20	243.60	-90.03	-3,825.51	-1,748.95	3,778.26	3,423.02	355.24	10.636 SF		
10,800.00	7,067.47	7,027.47	7,027.47	116.92	243.61	-90.03	-3,825.51	-1,748.95	3,800.60	3,443.34	357.26	10.638		
10,900.00	7,067.70	7,027.70	7,027.70	119.65	243.61	-90.04	-3,825.51	-1,748.95	3,825.43	3,466.24	359.19	10.650		
11,000.00	7,067.93	7,027.93	7,027.93	122.38	243.62	-90.04	-3,825.51	-1,748.95	3,852.70	3,491.66	361.04	10.671		
11,100.00	7,068.16	7,028.16	7,028.16	125.12	243.63	-90.04	-3,825.51	-1,748.95	3,882.35	3,519.56	362.79	10.701		
11,200.00	7,068.39	7,028.39	7,028.39	127.86	243.64	-90.05	-3,825.51	-1,748.95	3,914.33	3,549.88	364.45	10.740		
11,300.00	7,068.62	7,028.62	7,028.62	130.61	243.65	-90.05	-3,825.51	-1,748.95	3,948.59	3,582.56	366.03	10.788		
11,400.00	7,068.85	7,028.85	7,028.85	133.37	243.65	-90.05	-3,825.51	-1,748.95	3,985.06	3,617.54	367.52	10.843		
11,500.00	7,069.08	7,029.08	7,029.08	136.12	243.66	-90.06	-3,825.51	-1,748.95	4,023.68	3,654.77	368.91	10.907		
11,600.00	7,069.31	7,029.31	7,029.31	138.89	243.67	-90.06	-3,825.51	-1,748.95	4,064.40	3,694.18	370.23	10.978		
11,700.00	7,069.54	7,029.54	7,029.54	141.65	243.68	-90.06	-3,825.51	-1,748.95	4,107.16	3,735.70	371.46	11.057		
11,800.00	7,069.77	7,029.77	7,029.77	144.42	243.69	-90.07	-3,825.51	-1,748.95	4,151.88	3,779.27	372.61	11.143		
11,900.00	7,070.00	7,030.00	7,030.00	147.19	243.69	-90.07	-3,825.51	-1,748.95	4,198.50	3,824.82	373.68	11.236		
12,000.00	7,070.23	7,030.23	7,030.23	149.97	243.70	-90.07	-3,825.51	-1,748.95	4,246.97	3,872.29	374.68	11.335		
12,100.00	7,070.46	7,030.46	7,030.46	152.75	243.71	-90.08	-3,825.51	-1,748.95	4,297.22	3,921.62	375.60	11.441		
12,200.00	7,070.69	7,030.69	7,030.69	155.53	243.72	-90.08	-3,825.51	-1,748.95	4,349.19	3,972.73	376.46	11.553		
12,300.00	7,070.92	7,030.92	7,030.92	158.32	243.73	-90.09	-3,825.51	-1,748.95	4,402.82	4,025.57	377.25	11.671		
12,400.00	7,071.16	7,031.16	7,031.16	161.10	243.73	-90.09	-3,825.51	-1,748.95	4,458.05	4,080.07	377.98	11.795		
12,500.00	7,071.39	7,031.39	7,031.39	163.89	243.74	-90.09	-3,825.51	-1,748.95	4,514.81	4,136.17	378.64	11.924		
12,600.00	7,071.62	7,031.62	7,031.62	166.69	243.75	-90.10	-3,825.51	-1,748.95	4,573.06	4,193.81	379.25	12.058		
12,700.00	7,071.85	7,031.85	7,031.85	169.48	243.76	-90.10	-3,825.51	-1,748.95	4,632.73	4,252.92	379.81	12.197		
12,800.00	7,072.08	7,032.08	7,032.08	172.28	243.77	-90.10	-3,825.51	-1,748.95	4,693.78	4,313.46	380.32	12.342		
12,900.00	7,072.31	7,032.31	7,032.31	175.08	243.77	-90.11	-3,825.51	-1,748.95	4,756.14	4,375.37	380.78	12.491		
13,000.00	7,072.54	7,032.54	7,032.54	177.88	243.78	-90.11	-3,825.51	-1,748.95	4,819.78	4,438.59	381.19	12.644		
13,100.00	7,072.77	7,032.77	7,032.77	180.68	243.79	-90.11	-3,825.51	-1,748.95	4,884.63	4,503.07	381.56	12.802		
13,200.00	7,073.00	7,033.00	7,033.00	183.48	243.80	-90.12	-3,825.51	-1,748.95	4,950.65	4,568.76	381.89	12.963		
13,300.00	7,073.23	7,033.23	7,033.23	186.29	243.81	-90.12	-3,825.51	-1,748.95	5,017.80	4,635.61	382.19	13.129		
13,400.00	7,073.46	7,033.46	7,033.46	189.09	243.82	-90.13	-3,825.51	-1,748.95	5,086.03	4,703.57	382.45	13.298		
13,500.00	7,073.69	7,033.69	7,033.69	191.90	243.82	-90.13	-3,825.51	-1,748.95	5,155.29	4,772.61	382.68	13.471		
13,600.00	7,073.92	7,033.92	7,033.92	194.71	243.83	-90.13	-3,825.51	-1,748.95	5,225.55	4,842.67	382.88	13.648		
13,700.00	7,074.15	7,034.15	7,034.15	197.52	243.84	-90.14	-3,825.51	-1,748.95	5,296.76	4,913.71	383.05	13.828		
13,800.00	7,074.38	7,034.38	7,034.38	200.34	243.85	-90.14	-3,825.51	-1,748.95	5,368.90	4,985.70	383.20	14.011		
13,900.00	7,074.61	7,034.61	7,034.61	203.15	243.86	-90.14	-3,825.51	-1,748.95	5,441.91	5,058.59	383.32	14.197		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,034.84	7,034.84	205.97	243.86	-90.15	-3,825.51	-1,748.95	5,515.77	5,132.35	383.42	14.386		
14,100.00	7,075.07	7,035.07	7,035.07	208.78	243.87	-90.15	-3,825.51	-1,748.95	5,590.45	5,206.95	383.50	14.578		
14,200.00	7,075.30	7,035.30	7,035.30	211.60	243.88	-90.15	-3,825.51	-1,748.95	5,665.90	5,282.34	383.56	14.772		
14,300.00	7,075.54	7,035.54	7,035.54	214.42	243.89	-90.16	-3,825.51	-1,748.95	5,742.11	5,358.51	383.60	14.969		
14,400.00	7,075.77	7,035.77	7,035.77	217.24	243.90	-90.16	-3,825.51	-1,748.95	5,819.03	5,435.41	383.62	15.169		
14,500.00	7,076.00	7,036.00	7,036.00	220.06	243.90	-90.16	-3,825.51	-1,748.95	5,896.65	5,513.02	383.63	15.371		
14,600.00	7,076.23	7,036.23	7,036.23	222.88	243.91	-90.17	-3,825.51	-1,748.95	5,974.93	5,591.30	383.63	15.575		
14,700.00	7,076.46	7,036.46	7,036.46	225.70	243.92	-90.17	-3,825.51	-1,748.95	6,053.85	5,670.24	383.61	15.781		
14,800.00	7,076.69	7,036.69	7,036.69	228.53	243.93	-90.18	-3,825.51	-1,748.95	6,133.39	5,749.81	383.59	15.990		
14,900.00	7,076.92	7,036.92	7,036.92	231.35	243.94	-90.18	-3,825.51	-1,748.95	6,213.52	5,829.97	383.55	16.200		
15,000.00	7,077.15	7,037.15	7,037.15	234.18	243.94	-90.18	-3,825.51	-1,748.95	6,294.22	5,910.72	383.50	16.413		
15,100.00	7,077.38	7,037.38	7,037.38	237.00	243.95	-90.19	-3,825.51	-1,748.95	6,375.46	5,992.02	383.44	16.627		
15,200.00	7,077.61	7,037.61	7,037.61	239.83	243.96	-90.19	-3,825.51	-1,748.95	6,457.23	6,073.86	383.38	16.843		
15,300.00	7,077.84	7,037.84	7,037.84	242.66	243.97	-90.19	-3,825.51	-1,748.95	6,539.51	6,156.21	383.30	17.061		
15,400.00	7,078.07	7,038.07	7,038.07	245.49	243.98	-90.20	-3,825.51	-1,748.95	6,622.28	6,239.06	383.22	17.280		
15,500.00	7,078.30	7,038.30	7,038.30	248.31	243.98	-90.20	-3,825.51	-1,748.95	6,705.51	6,322.38	383.14	17.502		
15,600.00	7,078.53	7,038.53	7,038.53	251.14	243.99	-90.20	-3,825.51	-1,748.95	6,789.20	6,406.16	383.05	17.724		
15,700.00	7,078.76	7,038.76	7,038.76	253.97	244.00	-90.21	-3,825.51	-1,748.95	6,873.33	6,490.38	382.95	17.948		
15,800.00	7,078.99	7,038.99	7,038.99	256.80	244.01	-90.21	-3,825.51	-1,748.95	6,957.87	6,575.02	382.85	18.174		
15,900.00	7,079.22	7,039.22	7,039.22	259.64	244.02	-90.21	-3,825.51	-1,748.95	7,042.82	6,660.07	382.74	18.401		
16,000.00	7,079.45	7,039.45	7,039.45	262.47	244.02	-90.22	-3,825.51	-1,748.95	7,128.16	6,745.52	382.64	18.629		
16,100.00	7,079.69	7,039.69	7,039.69	265.30	244.03	-90.22	-3,825.51	-1,748.95	7,213.87	6,831.35	382.52	18.859		
16,200.00	7,079.92	7,039.92	7,039.92	268.13	244.04	-90.23	-3,825.51	-1,748.95	7,299.95	6,917.54	382.41	19.089		
16,300.00	7,080.15	7,040.15	7,040.15	270.97	244.05	-90.23	-3,825.51	-1,748.95	7,386.38	7,004.09	382.29	19.321		
16,400.00	7,080.38	7,040.38	7,040.38	273.80	244.06	-90.23	-3,825.51	-1,748.95	7,473.15	7,090.98	382.18	19.554		
16,500.00	7,080.61	7,040.61	7,040.61	276.64	244.06	-90.24	-3,825.51	-1,748.95	7,560.25	7,178.19	382.06	19.788		
16,600.00	7,080.84	7,040.84	7,040.84	279.47	244.07	-90.24	-3,825.51	-1,748.95	7,647.66	7,265.73	381.93	20.024		
16,700.00	7,081.07	7,041.07	7,041.07	282.31	244.08	-90.24	-3,825.51	-1,748.95	7,735.38	7,353.57	381.81	20.260		
16,800.00	7,081.30	7,041.30	7,041.30	285.14	244.09	-90.25	-3,825.51	-1,748.95	7,823.39	7,441.70	381.69	20.497		
16,900.00	7,081.53	7,041.53	7,041.53	287.98	244.10	-90.25	-3,825.51	-1,748.95	7,911.68	7,530.12	381.56	20.735		
17,000.00	7,081.76	7,041.76	7,041.76	290.82	244.10	-90.25	-3,825.51	-1,748.95	8,000.25	7,618.82	381.44	20.974		
17,100.00	7,081.99	7,041.99	7,041.99	293.65	244.11	-90.26	-3,825.51	-1,748.95	8,089.09	7,707.78	381.31	21.214		
17,200.00	7,082.22	7,042.22	7,042.22	296.49	244.12	-90.26	-3,825.51	-1,748.95	8,178.19	7,797.00	381.19	21.455		
17,300.00	7,082.45	7,042.45	7,042.45	299.33	244.13	-90.26	-3,825.51	-1,748.95	8,267.53	7,886.47	381.06	21.696		
17,400.00	7,082.68	7,042.68	7,042.68	302.17	244.14	-90.27	-3,825.51	-1,748.95	8,357.12	7,976.19	380.93	21.939		
17,500.00	7,082.91	7,042.91	7,042.91	305.01	244.15	-90.27	-3,825.51	-1,748.95	8,446.94	8,066.13	380.81	22.182		
17,600.00	7,083.14	7,043.14	7,043.14	307.85	244.15	-90.28	-3,825.51	-1,748.95	8,536.99	8,156.30	380.68	22.425		
17,700.00	7,083.37	7,043.37	7,043.37	310.69	244.16	-90.28	-3,825.51	-1,748.95	8,627.25	8,246.69	380.56	22.670		
17,800.00	7,083.60	7,043.60	7,043.60	313.53	244.17	-90.28	-3,825.51	-1,748.95	8,717.73	8,337.30	380.43	22.915		
17,900.00	7,083.84	7,043.84	7,043.84	316.37	244.18	-90.29	-3,825.51	-1,748.95	8,808.41	8,428.10	380.31	23.161		
18,000.00	7,084.07	7,044.07	7,044.07	319.21	244.19	-90.29	-3,825.51	-1,748.95	8,899.30	8,519.11	380.19	23.408		
18,100.00	7,084.30	7,044.30	7,044.30	322.05	244.19	-90.29	-3,825.51	-1,748.95	8,990.38	8,610.31	380.07	23.655		
18,200.00	7,084.53	7,044.53	7,044.53	324.89	244.20	-90.30	-3,825.51	-1,748.95	9,081.64	8,701.69	379.95	23.902		
18,300.00	7,084.76	7,044.76	7,044.76	327.73	244.21	-90.30	-3,825.51	-1,748.95	9,173.09	8,793.26	379.83	24.151		
18,400.00	7,084.99	7,044.99	7,044.99	330.57	244.22	-90.30	-3,825.51	-1,748.95	9,264.71	8,885.00	379.71	24.400		
18,500.00	7,085.22	7,045.22	7,045.22	333.41	244.23	-90.31	-3,825.51	-1,748.95	9,356.51	8,976.92	379.59	24.649		
18,600.00	7,085.45	7,045.45	7,045.45	336.26	244.23	-90.31	-3,825.51	-1,748.95	9,448.47	9,069.00	379.47	24.899		
18,700.00	7,085.68	7,045.68	7,045.68	339.10	244.24	-90.31	-3,825.51	-1,748.95	9,540.59	9,161.23	379.36	25.149		
18,800.00	7,085.91	7,045.91	7,045.91	341.94	244.25	-90.32	-3,825.51	-1,748.95	9,632.87	9,253.63	379.24	25.400		
18,839.14	7,086.00	7,046.00	7,046.00	343.06	244.25	-90.32	-3,825.51	-1,748.95	9,669.03	9,289.84	379.20	25.499		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	143.03	-672.50	506.15	841.76					
100.00	100.00	93.59	93.59	3.28	0.21	143.06	-672.53	505.69	841.45	837.95	3.49	240.954		
200.00	200.00	198.72	198.70	3.34	0.44	143.15	-672.64	504.05	840.60	836.82	3.78	222.538		
300.00	300.00	303.80	303.75	3.44	0.68	143.31	-672.83	501.24	839.14	835.02	4.12	203.683		
400.00	399.98	415.57	415.45	3.60	1.08	48.14	-672.31	497.57	835.66	830.97	4.69	178.111		
500.00	499.84	521.09	520.90	3.80	1.54	48.56	-669.48	494.99	828.57	823.21	5.35	154.791		
600.00	599.45	624.39	624.11	4.04	1.99	49.15	-665.77	492.88	818.71	812.67	6.04	135.530		
700.00	698.70	727.23	726.84	4.31	2.44	49.93	-661.16	491.18	806.17	799.41	6.76	119.235		
800.00	797.47	829.51	828.97	4.62	2.88	50.91	-655.70	489.89	791.02	783.51	7.51	105.333		
900.00	895.62	928.59	927.87	4.97	3.31	52.12	-649.99	488.84	773.63	765.36	8.27	93.512		
980.89	974.49	1,010.31	1,009.43	5.27	3.67	53.36	-645.06	487.58	757.82	748.90	8.92	84.949		
1,000.00	993.07	1,028.07	1,027.16	5.34	3.75	53.60	-644.04	487.19	753.94	744.87	9.07	83.122		
1,100.00	1,090.26	1,132.69	1,131.58	5.75	4.21	55.21	-638.84	483.57	733.92	724.00	9.91	74.043		
1,200.00	1,187.45	1,257.34	1,255.67	6.17	4.77	57.41	-630.19	475.59	711.32	700.46	10.87	65.462		
1,300.00	1,284.64	1,380.54	1,377.76	6.62	5.32	59.77	-617.30	465.42	685.61	673.79	11.82	58.010		
1,400.00	1,381.83	1,499.78	1,495.20	7.07	5.87	62.18	-599.94	454.36	656.66	643.91	12.75	51.487		
1,500.00	1,479.01	1,601.47	1,594.84	7.54	6.33	64.27	-581.64	445.55	625.73	612.10	13.63	45.907		
1,600.00	1,576.20	1,708.24	1,699.26	8.02	6.83	66.55	-560.91	437.40	594.72	580.19	14.53	40.944		
1,700.00	1,673.39	1,793.71	1,782.66	8.50	7.23	68.64	-543.76	429.92	563.45	548.06	15.39	36.602		
1,800.00	1,770.58	1,881.70	1,868.67	8.99	7.64	71.12	-527.21	421.60	534.05	517.76	16.29	32.780		
1,900.00	1,867.77	1,975.61	1,960.58	9.48	8.09	73.94	-509.69	413.54	506.19	488.97	17.22	29.402		
2,000.00	1,964.96	2,071.46	2,054.21	9.98	8.55	77.03	-490.65	406.01	478.66	460.51	18.16	26.363		
2,100.00	2,062.15	2,158.38	2,139.25	10.49	8.96	80.20	-474.19	398.74	453.39	434.27	19.12	23.718		
2,200.00	2,159.34	2,253.62	2,232.51	10.99	9.42	83.96	-456.37	391.31	430.16	410.07	20.09	21.411		
2,300.00	2,256.53	2,349.59	2,326.39	11.50	9.87	87.92	-437.36	385.35	407.92	386.85	21.07	19.358		
2,400.00	2,353.71	2,437.92	2,412.96	12.01	10.29	91.87	-420.58	380.23	388.55	366.48	22.07	17.604		
2,500.00	2,450.90	2,536.59	2,509.66	12.53	10.76	96.61	-401.72	374.89	371.44	348.38	23.06	16.104		
2,600.00	2,548.09	2,633.90	2,604.71	13.04	11.23	101.70	-381.47	369.87	355.37	331.31	24.06	14.771		
2,700.00	2,645.28	2,723.90	2,692.68	13.56	11.67	106.80	-363.11	364.89	342.87	317.81	25.06	13.681		
2,800.00	2,742.47	2,816.23	2,782.79	14.08	12.11	112.50	-344.02	358.63	334.09	308.05	26.04	12.829		
2,900.00	2,839.66	2,905.04	2,869.53	14.60	12.55	118.23	-326.20	351.89	330.21	303.22	26.98	12.237		
2,925.29	2,864.24	2,927.78	2,891.75	14.73	12.66	119.71	-321.74	350.06	330.05	302.83	27.22	12.127		
3,000.00	2,936.85	2,994.06	2,956.55	15.12	12.98	124.05	-308.94	344.48	331.49	303.62	27.87	11.894		
3,100.00	3,034.04	3,081.32	3,042.18	15.65	13.40	129.45	-293.81	337.22	338.36	309.67	28.69	11.794		
3,200.00	3,131.22	3,172.18	3,131.71	16.17	13.83	134.56	-280.12	330.02	350.03	320.55	29.48	11.874		
3,300.00	3,228.41	3,269.67	3,228.02	16.69	14.28	139.43	-266.42	323.66	364.23	333.92	30.31	12.018		
3,400.00	3,325.60	3,360.75	3,318.24	17.22	14.70	143.40	-255.12	318.46	380.98	349.92	31.07	12.264		
3,500.00	3,422.79	3,453.85	3,410.74	17.75	15.12	146.83	-245.67	313.66	400.14	368.30	31.84	12.567		
3,600.00	3,519.98	3,548.05	3,504.54	18.27	15.54	149.71	-238.22	309.21	421.18	388.55	32.63	12.907		
3,700.00	3,617.17	3,652.70	3,608.90	18.80	15.99	152.36	-231.30	306.04	442.16	408.62	33.54	13.184		
3,800.00	3,714.36	3,756.28	3,712.38	19.33	16.43	154.34	-226.60	305.87	461.89	427.46	34.43	13.416		
3,900.00	3,811.55	3,855.45	3,811.48	19.86	16.85	155.91	-223.19	306.96	481.24	445.97	35.28	13.641		
4,000.00	3,908.74	3,949.71	3,905.69	20.39	17.24	157.26	-220.21	308.14	500.85	464.76	36.09	13.879		
4,100.00	4,005.92	4,040.74	3,996.69	20.92	17.61	158.39	-218.25	308.42	521.86	484.99	36.87	14.155		
4,200.00	4,103.11	4,136.14	4,092.08	21.45	18.01	159.44	-216.86	308.05	543.90	506.21	37.70	14.429		
4,300.00	4,200.30	4,229.49	4,185.42	21.98	18.40	160.35	-215.87	307.73	566.17	527.67	38.50	14.706		
4,400.00	4,297.49	4,318.94	4,274.86	22.51	18.75	161.03	-216.49	306.54	589.86	550.60	39.26	15.026		
4,500.00	4,394.68	4,415.02	4,370.91	23.04	19.13	161.63	-218.03	304.69	614.40	574.32	40.08	15.328		
4,600.00	4,491.87	4,515.19	4,471.04	23.57	19.52	162.12	-220.50	303.44	638.53	597.57	40.96	15.590		
4,700.00	4,589.06	4,614.49	4,570.28	24.10	19.90	162.47	-223.96	302.75	662.37	620.54	41.82	15.837		
4,800.00	4,686.25	4,717.38	4,673.14	24.64	20.31	162.91	-226.28	302.36	685.70	642.97	42.72	16.049		
4,900.00	4,783.43	4,819.93	4,775.68	25.17	20.71	163.43	-227.10	302.65	708.16	664.55	43.62	16.236		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,917.84	4,873.60	25.70	21.10	163.90	-227.68	303.31	730.26	685.80	44.47	16.423		
5,100.00	4,977.81	5,012.54	4,968.28	26.23	21.47	164.32	-228.44	303.82	752.57	707.28	45.29	16.617		
5,200.00	5,075.00	5,109.14	5,064.88	26.77	21.86	164.70	-229.52	304.13	775.18	729.05	46.13	16.804		
5,300.00	5,172.19	5,197.23	5,152.96	27.30	22.21	165.03	-230.48	303.96	798.32	751.42	46.90	17.023		
5,400.00	5,269.38	5,297.43	5,253.16	27.83	22.63	165.47	-230.66	302.94	822.14	774.35	47.79	17.204		
5,457.75	5,325.51	5,354.52	5,310.24	28.14	22.87	165.75	-230.08	302.55	835.63	787.33	48.30	17.302		
5,500.00	5,366.64	5,395.47	5,351.19	28.37	23.04	166.00	-229.55	302.26	845.21	796.55	48.66	17.369		
5,600.00	5,464.53	5,480.44	5,436.15	28.87	23.40	166.47	-228.43	301.10	866.20	816.81	49.39	17.537		
5,700.00	5,563.07	5,593.25	5,548.93	29.35	23.87	166.92	-227.59	299.22	884.32	833.93	50.39	17.548		
5,800.00	5,662.15	5,700.12	5,655.79	29.80	24.31	167.12	-228.62	299.46	897.41	846.09	51.31	17.489		
5,900.00	5,761.64	5,791.64	5,747.30	30.23	24.68	167.19	-230.30	299.57	907.31	855.24	52.07	17.425		
6,000.00	5,861.42	5,909.58	5,865.22	30.64	25.16	167.28	-230.84	300.88	912.61	859.56	53.06	17.200		
6,100.00	5,961.36	6,002.33	5,957.97	31.02	25.55	167.33	-230.57	301.91	914.49	860.67	53.81	16.994		
6,138.64	6,000.00	6,040.07	5,995.71	31.16	25.70	-97.15	-230.40	302.19	914.44	860.33	54.11	16.899		
6,200.00	6,061.36	6,099.47	6,055.11	31.38	25.95	-97.13	-230.10	302.53	914.05	859.47	54.58	16.748		
6,300.00	6,161.36	6,196.43	6,152.07	31.74	26.35	-97.13	-230.01	302.84	913.72	858.38	55.34	16.512		
6,377.66	6,239.03	6,272.39	6,228.03	32.02	26.66	-97.15	-230.36	302.97	913.64	857.70	55.93	16.335		
6,400.00	6,261.36	6,293.99	6,249.62	32.10	26.75	-97.16	-230.48	302.97	913.65	857.55	56.10	16.286		
6,500.00	6,361.36	7,880.07	7,240.02	32.46	37.62	-159.27	-214.29	1,172.55	895.76	875.79	19.97	44.860		
6,562.02	6,423.38	7,882.32	7,240.11	32.68	37.65	-160.43	-214.25	1,174.80	834.19	813.87	20.32	41.060		
6,600.00	6,461.34	7,882.78	7,240.13	32.82	37.66	-97.91	-214.24	1,175.25	796.49	775.95	20.54	38.774		
6,650.00	6,511.08	7,880.46	7,240.03	32.99	37.62	-126.17	-214.28	1,172.93	746.98	726.15	20.83	35.866		
6,700.00	6,560.29	7,874.75	7,239.79	33.17	37.53	-141.20	-214.39	1,167.23	697.91	676.80	21.11	33.063		
6,750.00	6,608.64	7,865.59	7,239.41	33.36	37.39	-149.14	-214.58	1,158.08	649.61	628.21	21.40	30.351		
6,800.00	6,655.86	7,852.96	7,238.91	33.56	37.19	-153.67	-214.88	1,145.47	602.42	580.69	21.73	27.724		
6,850.00	6,701.64	7,836.85	7,238.33	33.78	36.93	-156.37	-215.30	1,129.37	556.68	534.56	22.11	25.174		
6,900.00	6,745.71	7,817.28	7,237.70	34.01	36.62	-157.96	-215.88	1,109.82	512.74	490.15	22.59	22.702		
6,950.00	6,787.79	7,793.03	7,237.02	34.27	36.25	-158.74	-216.69	1,085.59	470.94	447.71	23.24	20.268		
7,000.00	6,827.62	7,762.81	7,236.14	34.56	35.82	-158.82	-217.74	1,055.41	431.45	407.29	24.17	17.853		
7,050.00	6,864.96	7,729.60	7,235.09	34.87	35.34	-158.53	-218.88	1,022.23	394.46	369.18	25.29	15.599		
7,100.00	6,899.58	7,692.98	7,233.83	35.21	34.84	-157.88	-220.02	985.65	360.20	333.56	26.64	13.520		
7,150.00	6,931.26	7,652.36	7,232.46	35.60	34.31	-157.09	-220.21	945.06	328.72	300.58	28.14	11.682		
7,200.00	6,959.81	7,607.69	7,230.54	36.02	33.79	-156.07	-219.84	900.43	299.89	270.04	29.85	10.046		
7,250.00	6,985.06	7,560.29	7,227.71	36.47	33.23	-154.80	-219.41	853.12	273.71	241.89	31.82	8.602		
7,300.00	7,006.84	7,480.84	7,215.36	36.97	32.43	-150.82	-219.36	774.73	247.23	210.09	37.14	6.657		
7,350.00	7,025.02	7,427.02	7,200.49	37.51	31.95	-147.29	-220.11	723.02	219.95	178.63	41.32	5.323		
7,400.00	7,039.49	7,377.85	7,184.04	38.09	31.53	-143.16	-221.50	676.72	194.56	148.94	45.62	4.265		
7,450.00	7,050.17	7,325.11	7,162.80	38.70	31.17	-137.10	-223.65	628.50	171.08	119.85	51.23	3.340		
7,500.00	7,056.98	7,275.25	7,138.82	39.33	30.85	-129.46	-226.22	584.88	149.89	92.68	57.21	2.620		
7,550.00	7,059.89	7,222.81	7,108.83	39.99	30.57	-118.61	-228.53	541.97	131.27	67.33	63.94	2.053		
7,560.55	7,060.00	7,212.58	7,102.37	40.13	30.52	-116.12	-228.86	534.05	127.78	62.59	65.19	1.960		
7,600.00	7,060.09	7,178.33	7,079.40	40.67	30.35	-105.46	-229.69	508.66	116.60	47.50	69.10	1.687		
7,652.73	7,060.21	7,140.95	7,052.48	41.44	30.18	-91.70	-230.56	482.76	110.14	38.69	71.45	1.542 CC, ES, SF		
7,700.00	7,060.32	7,111.55	7,030.13	42.14	30.06	-80.21	-231.36	463.67	115.92	45.99	69.93	1.658		
7,800.00	7,060.55	7,056.84	6,986.18	43.75	29.83	-60.59	-232.76	431.16	160.36	97.32	63.04	2.544		
7,900.00	7,060.78	7,011.33	6,947.76	45.48	29.66	-47.82	-233.04	406.77	228.75	169.08	59.67	3.834		
8,000.00	7,061.01	6,973.94	6,915.10	47.33	29.51	-39.75	-232.68	388.58	307.79	248.98	58.81	5.234		
8,100.00	7,061.24	6,942.48	6,886.96	49.27	29.39	-34.37	-232.19	374.52	392.37	333.58	58.79	6.674		
8,200.00	7,061.47	6,904.00	6,851.81	51.29	29.24	-29.15	-231.37	358.91	480.53	421.95	58.58	8.203		
8,300.00	7,061.70	6,904.00	6,851.81	53.40	29.24	-29.15	-231.37	358.91	570.69	511.10	59.59	9.577		
8,400.00	7,061.93	6,873.24	6,823.18	55.57	29.12	-25.86	-230.91	347.68	662.34	602.77	59.57	11.119		
8,500.00	7,062.16	6,855.85	6,806.81	57.80	29.06	-24.32	-230.90	341.81	755.40	695.60	59.81	12.631		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	7,062.39	6,840.38	6,792.15	60.08	29.00	-23.10	-231.05	336.89	849.42	789.41	60.01	14.154		
8,700.00	7,062.63	6,812.00	6,765.02	62.42	28.88	-21.21	-231.70	328.58	944.43	884.41	60.02	15.735		
8,800.00	7,062.86	6,812.00	6,765.02	64.79	28.88	-21.21	-231.70	328.58	1,039.57	979.25	60.32	17.235		
8,900.00	7,063.09	6,812.00	6,765.02	67.20	28.88	-21.21	-231.70	328.58	1,135.54	1,075.01	60.53	18.760		
9,000.00	7,063.32	6,812.00	6,765.02	69.65	28.88	-21.21	-231.70	328.58	1,232.15	1,171.46	60.69	20.302		
9,100.00	7,063.55	6,783.80	6,737.77	72.12	28.77	-19.60	-232.36	321.33	1,328.45	1,267.78	60.67	21.896		
9,200.00	7,063.78	6,775.55	6,729.75	74.63	28.74	-19.16	-232.46	319.40	1,425.45	1,364.69	60.75	23.462		
9,300.00	7,064.01	6,768.02	6,722.42	77.16	28.71	-18.77	-232.52	317.72	1,522.71	1,461.88	60.83	25.033		
9,400.00	7,064.24	6,761.14	6,715.69	79.71	28.68	-18.42	-232.55	316.25	1,620.22	1,559.32	60.90	26.607		
9,500.00	7,064.47	6,754.81	6,709.50	82.28	28.65	-18.11	-232.56	314.96	1,717.93	1,656.97	60.95	28.184		
9,600.00	7,064.70	6,748.98	6,703.78	84.87	28.63	-17.82	-232.54	313.81	1,815.82	1,754.81	61.01	29.763		
9,700.00	7,064.93	6,718.00	6,673.27	87.47	28.51	-16.40	-232.11	308.48	1,914.48	1,853.49	61.00	31.386		
9,800.00	7,065.16	6,718.00	6,673.27	90.09	28.51	-16.40	-232.11	308.48	2,012.47	1,951.40	61.06	32.957		
9,900.00	7,065.39	6,718.00	6,673.27	92.73	28.51	-16.40	-232.11	308.48	2,110.64	2,049.51	61.12	34.531		
10,000.00	7,065.62	6,718.00	6,673.27	95.38	28.51	-16.40	-232.11	308.48	2,208.97	2,147.80	61.18	36.109		
10,100.00	7,065.85	6,718.00	6,673.27	98.04	28.51	-16.40	-232.11	308.48	2,307.45	2,246.23	61.22	37.689		
10,200.00	7,066.08	6,718.00	6,673.27	100.71	28.51	-16.40	-232.11	308.48	2,406.06	2,344.79	61.27	39.270		
10,300.00	7,066.31	6,718.00	6,673.27	103.39	28.51	-16.40	-232.11	308.48	2,504.77	2,443.46	61.31	40.853		
10,400.00	7,066.54	6,718.00	6,673.27	106.08	28.51	-16.40	-232.11	308.48	2,603.58	2,542.23	61.35	42.437		
10,500.00	7,066.77	6,718.00	6,673.27	108.78	28.51	-16.40	-232.11	308.48	2,702.48	2,641.09	61.39	44.021		
10,600.00	7,067.01	6,718.00	6,673.27	111.48	28.51	-16.40	-232.11	308.48	2,801.46	2,740.03	61.43	45.605		
10,700.00	7,067.24	6,718.00	6,673.27	114.20	28.51	-16.40	-232.11	308.48	2,900.51	2,839.05	61.47	47.188		
10,800.00	7,067.47	6,718.00	6,673.27	116.92	28.51	-16.40	-232.11	308.48	2,999.62	2,938.12	61.50	48.771		
10,900.00	7,067.70	6,718.00	6,673.27	119.65	28.51	-16.40	-232.11	308.48	3,098.79	3,037.25	61.54	50.353		
11,000.00	7,067.93	6,718.00	6,673.27	122.38	28.51	-16.40	-232.11	308.48	3,198.01	3,136.43	61.58	51.934		
11,100.00	7,068.16	6,718.00	6,673.27	125.12	28.51	-16.40	-232.11	308.48	3,297.28	3,235.66	61.62	53.514		
11,200.00	7,068.39	6,718.00	6,673.27	127.86	28.51	-16.40	-232.11	308.48	3,396.59	3,334.94	61.65	55.092		
11,300.00	7,068.62	6,718.00	6,673.27	130.61	28.51	-16.40	-232.11	308.48	3,495.94	3,434.25	61.69	56.668		
11,400.00	7,068.85	6,718.00	6,673.27	133.37	28.51	-16.40	-232.11	308.48	3,595.33	3,533.60	61.73	58.242		
11,500.00	7,069.08	6,718.00	6,673.27	136.12	28.51	-16.40	-232.11	308.48	3,694.75	3,632.98	61.77	59.815		
11,600.00	7,069.31	6,718.00	6,673.27	138.89	28.51	-16.40	-232.11	308.48	3,794.20	3,732.38	61.81	61.385		
11,700.00	7,069.54	6,718.00	6,673.27	141.65	28.51	-16.40	-232.11	308.48	3,893.67	3,831.82	61.85	62.952		
11,800.00	7,069.77	6,718.00	6,673.27	144.42	28.51	-16.40	-232.11	308.48	3,993.18	3,931.28	61.89	64.517		
11,900.00	7,070.00	6,718.00	6,673.27	147.19	28.51	-16.40	-232.11	308.48	4,092.70	4,030.77	61.94	66.080		
12,000.00	7,070.23	6,718.00	6,673.27	149.97	28.51	-16.40	-232.11	308.48	4,192.26	4,130.28	61.98	67.640		
12,100.00	7,070.46	6,718.00	6,673.27	152.75	28.51	-16.40	-232.11	308.48	4,291.83	4,229.80	62.02	69.196		
12,200.00	7,070.69	6,718.00	6,673.27	155.53	28.51	-16.40	-232.11	308.48	4,391.42	4,329.35	62.07	70.750		
12,300.00	7,070.92	6,718.00	6,673.27	158.32	28.51	-16.40	-232.11	308.48	4,491.03	4,428.91	62.12	72.301		
12,400.00	7,071.16	6,718.00	6,673.27	161.10	28.51	-16.40	-232.11	308.48	4,590.65	4,528.49	62.16	73.849		
12,500.00	7,071.39	6,718.00	6,673.27	163.89	28.51	-16.40	-232.11	308.48	4,690.29	4,628.08	62.21	75.393		
12,600.00	7,071.62	6,718.00	6,673.27	166.69	28.51	-16.40	-232.11	308.48	4,789.95	4,727.69	62.26	76.934		
12,700.00	7,071.85	6,718.00	6,673.27	169.48	28.51	-16.40	-232.11	308.48	4,889.62	4,827.31	62.31	78.471		
12,800.00	7,072.08	6,718.00	6,673.27	172.28	28.51	-16.40	-232.11	308.48	4,989.31	4,926.94	62.36	80.005		
12,900.00	7,072.31	6,677.14	6,632.70	175.08	28.34	-14.78	-231.43	303.67	5,087.45	5,025.04	62.41	81.513		
13,000.00	7,072.54	6,676.29	6,631.85	177.88	28.33	-14.75	-231.43	303.60	5,187.10	5,124.63	62.47	83.039		
13,100.00	7,072.77	6,675.47	6,631.04	180.68	28.33	-14.72	-231.42	303.53	5,286.76	5,224.24	62.52	84.561		
13,200.00	7,073.00	6,674.67	6,630.25	183.48	28.33	-14.70	-231.41	303.47	5,386.43	5,323.85	62.58	86.079		
13,300.00	7,073.23	6,673.90	6,629.48	186.29	28.32	-14.67	-231.40	303.41	5,486.11	5,423.48	62.63	87.594		
13,400.00	7,073.46	6,673.16	6,628.74	189.09	28.32	-14.64	-231.39	303.35	5,585.80	5,523.11	62.69	89.104		
13,500.00	7,073.69	6,672.44	6,628.02	191.90	28.32	-14.62	-231.39	303.30	5,685.50	5,622.75	62.75	90.611		
13,600.00	7,073.92	6,671.74	6,627.33	194.71	28.31	-14.60	-231.38	303.24	5,785.21	5,722.41	62.81	92.113		
13,700.00	7,074.15	6,671.07	6,626.65	197.52	28.31	-14.57	-231.38	303.19	5,884.93	5,822.06	62.87	93.612		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,074.38	6,670.41	6,626.00	200.34	28.31	-14.55	-231.37	303.14	5,984.66	5,921.73	62.93	95.106		
13,900.00	7,074.61	6,669.78	6,625.37	203.15	28.31	-14.53	-231.36	303.10	6,084.39	6,021.41	62.99	96.596		
14,000.00	7,074.84	6,669.16	6,624.75	205.97	28.30	-14.51	-231.36	303.05	6,184.14	6,121.09	63.05	98.082		
14,100.00	7,075.07	6,668.56	6,624.15	208.78	28.30	-14.49	-231.35	303.01	6,283.89	6,220.78	63.11	99.563		
14,200.00	7,075.30	6,667.98	6,623.57	211.60	28.30	-14.47	-231.35	302.97	6,383.65	6,320.47	63.18	101.040		
14,300.00	7,075.54	6,667.41	6,623.01	214.42	28.30	-14.45	-231.34	302.93	6,483.41	6,420.17	63.25	102.513		
14,400.00	7,075.77	6,666.86	6,622.46	217.24	28.29	-14.43	-231.34	302.89	6,583.19	6,519.88	63.31	103.981		
14,500.00	7,076.00	6,625.00	6,580.63	220.06	28.12	-13.18	-231.27	301.54	6,684.51	6,621.13	63.38	105.470		
14,600.00	7,076.23	6,625.00	6,580.63	222.88	28.12	-13.18	-231.27	301.54	6,784.25	6,720.81	63.45	106.928		
14,700.00	7,076.46	6,625.00	6,580.63	225.70	28.12	-13.18	-231.27	301.54	6,884.01	6,820.49	63.52	108.383		
14,800.00	7,076.69	6,625.00	6,580.63	228.53	28.12	-13.18	-231.27	301.54	6,983.76	6,920.18	63.59	109.832		
14,900.00	7,076.92	6,625.00	6,580.63	231.35	28.12	-13.18	-231.27	301.54	7,083.53	7,019.87	63.66	111.277		
15,000.00	7,077.15	6,625.00	6,580.63	234.18	28.12	-13.18	-231.27	301.54	7,183.30	7,119.57	63.73	112.717		
15,100.00	7,077.38	6,625.00	6,580.63	237.00	28.12	-13.18	-231.27	301.54	7,283.08	7,219.28	63.80	114.153		
15,200.00	7,077.61	6,625.00	6,580.63	239.83	28.12	-13.18	-231.27	301.54	7,382.86	7,318.99	63.87	115.584		
15,300.00	7,077.84	6,625.00	6,580.63	242.66	28.12	-13.18	-231.27	301.54	7,482.65	7,418.70	63.95	117.009		
15,400.00	7,078.07	6,625.00	6,580.63	245.49	28.12	-13.18	-231.27	301.54	7,582.45	7,518.42	64.02	118.431		
15,500.00	7,078.30	6,625.00	6,580.63	248.31	28.12	-13.18	-231.27	301.54	7,682.25	7,618.15	64.10	119.847		
15,600.00	7,078.53	6,625.00	6,580.63	251.14	28.12	-13.18	-231.27	301.54	7,782.05	7,717.88	64.18	121.258		
15,700.00	7,078.76	6,625.00	6,580.63	253.97	28.12	-13.18	-231.27	301.54	7,881.86	7,817.61	64.26	122.664		
15,800.00	7,078.99	6,625.00	6,580.63	256.80	28.12	-13.18	-231.27	301.54	7,981.68	7,917.35	64.33	124.065		
15,900.00	7,079.22	6,625.00	6,580.63	259.64	28.12	-13.18	-231.27	301.54	8,081.50	8,017.09	64.41	125.462		
16,000.00	7,079.45	6,625.00	6,580.63	262.47	28.12	-13.18	-231.27	301.54	8,181.32	8,116.83	64.49	126.853		
16,100.00	7,079.69	6,625.00	6,580.63	265.30	28.12	-13.18	-231.27	301.54	8,281.15	8,216.58	64.58	128.239		
16,200.00	7,079.92	6,625.00	6,580.63	268.13	28.12	-13.18	-231.27	301.54	8,380.99	8,316.33	64.66	129.620		
16,300.00	7,080.15	6,625.00	6,580.63	270.97	28.12	-13.18	-231.27	301.54	8,480.82	8,416.08	64.74	130.996		
16,400.00	7,080.38	6,625.00	6,580.63	273.80	28.12	-13.18	-231.27	301.54	8,580.66	8,515.84	64.83	132.366		
16,500.00	7,080.61	6,625.00	6,580.63	276.64	28.12	-13.18	-231.27	301.54	8,680.51	8,615.60	64.91	133.732		
16,600.00	7,080.84	6,625.00	6,580.63	279.47	28.12	-13.18	-231.27	301.54	8,780.35	8,715.36	65.00	135.092		
16,700.00	7,081.07	6,625.00	6,580.63	282.31	28.12	-13.18	-231.27	301.54	8,880.21	8,815.12	65.08	136.447		
16,800.00	7,081.30	6,625.00	6,580.63	285.14	28.12	-13.18	-231.27	301.54	8,980.06	8,914.89	65.17	137.797		
16,900.00	7,081.53	6,625.00	6,580.63	287.98	28.12	-13.18	-231.27	301.54	9,079.92	9,014.66	65.26	139.141		
17,000.00	7,081.76	6,625.00	6,580.63	290.82	28.12	-13.18	-231.27	301.54	9,179.78	9,114.43	65.35	140.481		
17,100.00	7,081.99	6,625.00	6,580.63	293.65	28.12	-13.18	-231.27	301.54	9,279.64	9,214.21	65.43	141.815		
17,200.00	7,082.22	6,625.00	6,580.63	296.49	28.12	-13.18	-231.27	301.54	9,379.51	9,313.98	65.53	143.143		
17,300.00	7,082.45	6,625.00	6,580.63	299.33	28.12	-13.18	-231.27	301.54	9,479.38	9,413.76	65.62	144.467		
17,400.00	7,082.68	6,625.00	6,580.63	302.17	28.12	-13.18	-231.27	301.54	9,579.25	9,513.54	65.71	145.785		
17,500.00	7,082.91	6,625.00	6,580.63	305.01	28.12	-13.18	-231.27	301.54	9,679.13	9,613.32	65.80	147.098		
17,600.00	7,083.14	6,625.00	6,580.63	307.85	28.12	-13.18	-231.27	301.54	9,779.00	9,713.11	65.89	148.405		
17,700.00	7,083.37	6,625.00	6,580.63	310.69	28.12	-13.18	-231.27	301.54	9,878.88	9,812.89	65.99	149.707		
17,800.00	7,083.60	6,625.00	6,580.63	313.53	28.12	-13.18	-231.27	301.54	9,978.76	9,912.68	66.08	151.003		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	137.47	-552.64	506.98	750.04					
100.00	100.00	92.26	92.25	3.28	3.29	137.56	-553.34	505.92	749.77	743.20	6.57	114.099		
200.00	200.00	196.64	196.54	3.34	3.32	137.89	-555.69	502.28	749.09	742.43	6.66	112.556		
300.00	300.00	306.23	306.06	3.44	3.43	138.13	-556.53	498.74	747.50	740.63	6.87	108.795		
400.00	399.98	434.27	433.98	3.60	3.62	42.80	-552.56	495.44	742.23	734.98	7.25	102.432		
500.00	499.84	561.32	560.61	3.80	3.89	43.29	-544.63	488.82	730.24	722.49	7.75	94.212		
600.00	599.45	659.87	658.63	4.04	4.14	43.97	-536.81	482.38	713.68	705.45	8.23	86.707		
700.00	698.70	836.13	832.56	4.31	4.68	45.76	-517.17	463.17	689.40	680.23	9.17	75.165		
800.00	797.47	921.76	916.27	4.62	4.97	47.24	-504.18	450.71	657.88	648.18	9.71	67.776		
900.00	895.62	995.97	989.24	4.97	5.23	48.82	-494.27	441.53	627.01	616.77	10.24	61.237		
980.89	974.49	1,057.90	1,050.40	5.27	5.46	50.37	-487.39	434.65	602.74	592.02	10.72	56.247		
1,000.00	993.07	1,074.07	1,066.39	5.34	5.52	50.71	-485.81	432.94	597.13	586.29	10.84	55.072		
1,100.00	1,090.26	1,168.80	1,160.11	5.75	5.88	52.86	-476.78	422.51	568.24	556.68	11.55	49.179		
1,200.00	1,187.45	1,267.08	1,257.23	6.17	6.27	55.35	-466.84	411.20	539.45	527.13	12.32	43.799		
1,300.00	1,284.64	1,356.24	1,345.39	6.62	6.62	57.74	-457.50	401.67	511.74	498.66	13.08	39.138		
1,400.00	1,381.83	1,449.36	1,437.53	7.07	7.00	60.45	-447.89	392.27	485.47	471.60	13.88	34.980		
1,500.00	1,479.01	1,546.08	1,533.21	7.54	7.40	63.53	-437.52	382.60	460.11	445.39	14.72	31.255		
1,600.00	1,576.20	1,641.45	1,627.48	8.02	7.81	66.85	-426.53	373.15	435.45	419.87	15.58	27.942		
1,700.00	1,673.39	1,730.04	1,715.14	8.50	8.18	70.18	-416.65	365.10	412.94	396.49	16.46	25.093		
1,800.00	1,770.58	1,824.19	1,808.37	8.99	8.58	74.05	-406.57	356.74	392.67	375.30	17.36	22.613		
1,900.00	1,867.77	1,923.01	1,906.15	9.48	9.01	78.53	-395.46	347.72	373.91	355.61	18.30	20.431		
2,000.00	1,964.96	2,011.78	1,994.00	9.98	9.39	82.85	-385.26	340.07	357.37	338.13	19.24	18.576		
2,100.00	2,062.15	2,096.31	2,077.89	10.49	9.75	87.15	-377.30	333.43	345.43	325.26	20.17	17.129		
2,200.00	2,159.34	2,183.59	2,164.76	10.99	10.12	91.65	-371.50	327.34	338.81	317.73	21.08	16.071		
2,286.64	2,243.54	2,259.06	2,240.04	11.43	10.44	95.42	-368.10	323.18	336.88	315.03	21.85	15.417		
2,300.00	2,256.53	2,270.55	2,251.51	11.50	10.48	96.00	-367.74	322.53	336.93	314.96	21.97	15.338		
2,400.00	2,353.71	2,359.16	2,339.97	12.01	10.84	100.29	-366.33	317.88	340.03	317.21	22.82	14.900		
2,500.00	2,450.90	2,456.61	2,437.38	12.53	11.23	104.46	-366.57	315.10	346.36	322.64	23.71	14.606		
2,600.00	2,548.09	2,548.60	2,529.33	13.04	11.59	108.29	-366.42	312.29	354.26	329.72	24.55	14.431		
2,700.00	2,645.28	2,644.49	2,625.17	13.56	11.96	111.82	-368.49	310.34	365.42	340.03	25.39	14.391		
2,800.00	2,742.47	2,751.52	2,732.16	14.08	12.38	115.12	-370.64	311.29	376.36	350.04	26.32	14.298		
2,900.00	2,839.66	2,848.83	2,829.47	14.60	12.77	118.36	-369.69	310.68	386.72	359.54	27.18	14.227		
3,000.00	2,936.85	2,940.91	2,921.54	15.12	13.14	121.18	-369.76	310.15	399.08	371.09	27.99	14.259		
3,100.00	3,034.04	3,044.88	3,025.49	15.65	13.54	123.82	-371.60	311.50	412.57	383.70	28.87	14.289		
3,200.00	3,131.22	3,145.82	3,126.41	16.17	13.93	126.28	-371.80	313.45	425.22	395.49	29.73	14.300		
3,300.00	3,228.41	3,240.81	3,221.38	16.69	14.31	128.67	-370.93	314.20	438.59	408.03	30.56	14.353		
3,400.00	3,325.60	3,334.13	3,314.71	17.22	14.70	130.94	-370.16	314.07	453.45	422.08	31.37	14.456		
3,500.00	3,422.79	3,431.89	3,412.46	17.75	15.11	133.20	-369.45	313.52	469.40	437.19	32.21	14.571		
3,600.00	3,519.98	3,526.36	3,506.92	18.27	15.50	135.28	-368.66	312.70	486.21	453.18	33.03	14.719		
3,700.00	3,617.17	3,622.96	3,603.50	18.80	15.91	137.34	-367.44	311.19	503.95	470.08	33.87	14.881		
3,800.00	3,714.36	3,725.88	3,706.42	19.33	16.33	139.22	-367.14	310.92	521.79	487.05	34.75	15.017		
3,900.00	3,811.55	3,832.56	3,813.07	19.86	16.75	140.84	-367.31	313.03	538.49	502.84	35.65	15.106		
4,000.00	3,908.74	3,930.85	3,911.33	20.39	17.15	142.31	-366.45	315.55	554.52	518.03	36.49	15.197		
4,100.00	4,005.92	4,020.60	4,001.05	20.92	17.51	143.50	-366.67	317.59	571.69	534.42	37.27	15.340		
4,200.00	4,103.11	4,109.51	4,089.93	21.45	17.86	144.51	-368.48	318.85	590.69	552.66	38.03	15.531		
4,300.00	4,200.30	4,201.65	4,182.02	21.98	18.23	145.42	-371.53	319.87	610.76	571.94	38.83	15.730		
4,400.00	4,297.49	4,284.79	4,265.08	22.51	18.56	146.20	-374.84	319.43	632.71	593.18	39.53	16.006		
4,500.00	4,394.68	4,373.40	4,353.61	23.04	18.92	147.10	-377.93	316.98	656.51	616.23	40.28	16.299		
4,600.00	4,491.87	4,488.24	4,468.38	23.57	19.39	148.32	-380.13	313.92	679.77	638.45	41.32	16.451		
4,700.00	4,589.06	4,604.76	4,584.90	24.10	19.87	149.51	-380.48	313.63	700.42	658.08	42.34	16.543		
4,800.00	4,686.25	4,712.95	4,693.07	24.64	20.31	150.56	-379.63	315.49	719.07	675.80	43.27	16.617		
4,900.00	4,783.43	4,816.32	4,796.39	25.17	20.74	151.47	-378.79	318.37	736.96	692.80	44.17	16.686		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,901.24	4,881.27	25.70	21.09	152.17	-378.35	320.69	755.21	710.28	44.92	16.811		
5,100.00	4,977.81	4,985.10	4,965.14	26.23	21.44	152.87	-378.15	321.06	775.70	730.04	45.66	16.989		
5,200.00	5,075.00	5,075.88	5,055.91	26.77	21.81	153.57	-378.70	320.55	797.56	751.11	46.45	17.169		
5,300.00	5,172.19	5,171.30	5,151.32	27.30	22.21	154.23	-379.78	319.78	819.94	772.65	47.29	17.338		
5,400.00	5,269.38	5,262.80	5,242.81	27.83	22.58	154.80	-381.34	318.97	842.68	794.58	48.10	17.521		
5,457.75	5,325.51	5,313.93	5,293.92	28.14	22.80	155.11	-382.37	318.15	856.28	807.73	48.54	17.640		
5,500.00	5,366.64	5,353.57	5,333.55	28.37	22.96	155.43	-383.00	317.33	866.10	817.21	48.89	17.715		
5,600.00	5,464.53	5,465.30	5,445.25	28.87	23.43	156.24	-383.46	314.94	886.97	837.08	49.89	17.779		
5,700.00	5,563.07	5,575.21	5,555.15	29.35	23.90	156.92	-382.46	314.53	902.63	851.79	50.84	17.753		
5,800.00	5,662.15	5,667.67	5,647.60	29.80	24.29	157.43	-380.88	314.10	915.07	863.44	51.63	17.724		
5,900.00	5,761.64	5,773.89	5,753.80	30.23	24.75	157.85	-379.44	313.53	924.50	871.97	52.53	17.600		
6,000.00	5,861.42	5,883.26	5,863.17	30.64	25.21	158.09	-378.57	314.48	929.53	876.09	53.44	17.395		
6,100.00	5,961.36	5,972.44	5,952.34	31.02	25.58	158.17	-378.39	315.14	931.63	877.46	54.16	17.201		
6,138.64	6,000.00	6,007.64	5,987.54	31.16	25.72	-106.33	-378.66	315.23	931.86	877.42	54.44	17.118		
6,200.00	6,061.36	6,065.63	6,045.52	31.38	25.96	-106.39	-379.61	315.25	932.12	877.23	54.89	16.981		
6,300.00	6,161.36	7,667.52	6,962.34	31.74	38.27	172.18	-369.90	1,244.28	851.27	825.48	25.79	33.011		
6,400.00	6,261.36	7,665.01	6,962.44	32.10	38.23	172.74	-369.96	1,241.78	756.47	728.49	27.98	27.033		
6,500.00	6,361.36	7,662.32	6,962.54	32.46	38.18	173.34	-370.02	1,239.08	663.19	632.34	30.86	21.492		
6,562.02	6,423.38	7,660.54	6,962.61	32.68	38.15	173.74	-370.06	1,237.31	606.41	573.32	33.10	18.322		
6,600.00	6,461.34	7,658.56	6,962.69	32.82	38.11	-102.48	-370.11	1,235.33	572.24	537.57	34.67	16.505		
6,650.00	6,511.08	7,653.22	6,962.91	32.99	38.02	-109.28	-370.24	1,229.99	528.40	491.42	36.98	14.289		
6,700.00	6,560.29	7,644.17	6,963.33	33.17	37.86	-114.08	-370.48	1,220.96	486.32	446.72	39.60	12.281		
6,750.00	6,608.64	7,630.13	6,964.00	33.36	37.63	-116.95	-370.87	1,206.94	446.53	403.96	42.57	10.489		
6,800.00	6,655.86	7,612.46	6,964.87	33.56	37.34	-118.41	-371.38	1,189.30	409.56	363.68	45.87	8.928		
6,850.00	6,701.64	7,591.25	6,965.95	33.78	36.98	-118.67	-372.05	1,168.13	375.98	326.51	49.47	7.600		
6,900.00	6,745.71	7,566.59	6,967.27	34.01	36.58	-117.86	-372.87	1,143.51	346.36	293.10	53.26	6.503		
6,950.00	6,787.79	7,538.00	6,968.87	34.27	36.13	-116.02	-373.89	1,114.99	321.18	264.09	57.09	5.626		
7,000.00	6,827.62	7,505.84	6,970.65	34.56	35.64	-113.27	-375.08	1,082.90	300.74	240.03	60.72	4.953		
7,050.00	6,864.96	7,471.81	6,972.51	34.87	35.11	-109.93	-376.36	1,048.95	285.17	221.31	63.85	4.466		
7,100.00	6,899.58	7,430.98	6,974.68	35.21	34.56	-105.47	-377.88	1,008.20	274.27	207.93	66.35	4.134		
7,150.00	6,931.26	7,387.89	6,976.71	35.60	33.98	-100.69	-379.07	965.18	267.25	199.22	68.03	3.929		
7,200.00	6,959.81	7,340.98	6,978.09	36.02	33.38	-95.53	-379.87	918.30	263.32	194.37	68.94	3.819		
7,250.00	6,985.06	7,294.16	6,975.69	36.47	32.82	-90.07	-380.04	871.56	261.62	192.41	69.21	3.780 SF		
7,261.50	6,990.38	7,283.83	6,974.58	36.59	32.69	-88.82	-379.99	861.29	261.56	192.38	69.18	3.781 CC, ES		
7,300.00	7,006.84	7,250.23	6,969.63	36.97	32.32	-84.66	-379.62	828.06	262.27	193.46	68.81	3.811		
7,350.00	7,025.02	7,208.33	6,960.78	37.51	31.87	-79.37	-378.71	787.12	265.28	197.46	67.81	3.912		
7,400.00	7,039.49	7,167.72	6,949.46	38.09	31.46	-74.21	-377.36	748.16	270.45	204.09	66.35	4.076		
7,450.00	7,050.17	7,127.12	6,935.82	38.70	31.10	-69.17	-375.48	709.97	277.33	212.69	64.64	4.291		
7,500.00	7,056.98	7,087.41	6,920.42	39.33	30.74	-64.44	-373.11	673.45	285.47	222.63	62.84	4.543		
7,550.00	7,059.89	7,053.76	6,905.70	39.99	30.49	-60.52	-370.98	643.27	294.84	233.38	61.46	4.797		
7,560.55	7,060.00	7,046.87	6,902.48	40.13	30.44	-59.74	-370.59	637.19	297.01	235.80	61.21	4.852		
7,600.00	7,060.09	7,021.72	6,890.14	40.67	30.26	-57.53	-369.29	615.32	306.24	245.90	60.33	5.076		
7,700.00	7,060.32	6,962.28	6,857.42	42.14	29.86	-52.20	-367.02	565.77	338.55	280.15	58.40	5.797		
7,800.00	7,060.55	6,909.12	6,824.30	43.75	29.55	-47.51	-365.68	524.24	382.54	325.35	57.19	6.689		
7,900.00	7,060.78	6,858.36	6,789.67	45.48	29.29	-43.27	-364.74	487.16	436.26	379.78	56.48	7.724		
8,000.00	7,061.01	6,812.03	6,756.00	47.33	29.06	-39.64	-363.61	455.36	497.36	441.08	56.27	8.838		
8,100.00	7,061.24	6,777.22	6,729.42	49.27	28.91	-37.11	-362.80	432.91	564.73	507.99	56.74	9.952		
8,200.00	7,061.47	6,748.66	6,706.63	51.29	28.79	-35.21	-362.66	415.69	637.68	580.29	57.40	11.110		
8,300.00	7,061.70	6,707.00	6,671.95	53.40	28.61	-32.71	-363.37	392.64	715.46	657.96	57.50	12.443		
8,400.00	7,061.93	6,707.00	6,671.95	55.57	28.61	-32.71	-363.37	392.64	795.83	737.09	58.74	13.548		
8,500.00	7,062.16	6,707.00	6,671.95	57.80	28.61	-32.71	-363.37	392.64	880.23	820.62	59.61	14.766		
8,600.00	7,062.39	6,668.15	6,638.12	60.08	28.46	-30.68	-365.12	373.64	965.24	905.65	59.59	16.197		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	6,654.06	6,625.52	62.42	28.40	-30.02	-366.05	367.41	1,052.97	992.99	59.97	17.557		
8,800.00	7,062.86	6,612.00	6,586.99	64.79	28.23	-28.25	-369.70	350.97	1,143.50	1,083.57	59.93	19.081		
8,900.00	7,063.09	6,612.00	6,586.99	67.20	28.23	-28.25	-369.70	350.97	1,233.19	1,172.81	60.38	20.424		
9,000.00	7,063.32	6,612.00	6,586.99	69.65	28.23	-28.25	-369.70	350.97	1,324.36	1,263.63	60.73	21.808		
9,100.00	7,063.55	6,612.00	6,586.99	72.12	28.23	-28.25	-369.70	350.97	1,416.71	1,355.71	61.00	23.224		
9,200.00	7,063.78	6,612.00	6,586.99	74.63	28.23	-28.25	-369.70	350.97	1,510.05	1,448.83	61.22	24.667		
9,300.00	7,064.01	6,612.00	6,586.99	77.16	28.23	-28.25	-369.70	350.97	1,604.18	1,542.80	61.39	26.132		
9,400.00	7,064.24	6,612.00	6,586.99	79.71	28.23	-28.25	-369.70	350.97	1,698.99	1,637.46	61.53	27.613		
9,500.00	7,064.47	6,577.75	6,554.74	82.28	28.09	-26.97	-373.01	339.95	1,792.98	1,731.46	61.52	29.144		
9,600.00	7,064.70	6,571.19	6,548.48	84.87	28.07	-26.73	-373.60	338.07	1,888.27	1,826.65	61.62	30.645		
9,700.00	7,064.93	6,565.14	6,542.69	87.47	28.04	-26.52	-374.12	336.42	1,983.93	1,922.23	61.70	32.153		
9,800.00	7,065.16	6,559.55	6,537.31	90.09	28.02	-26.32	-374.59	334.94	2,079.93	2,018.15	61.78	33.667		
9,900.00	7,065.39	6,554.36	6,532.32	92.73	28.00	-26.13	-375.02	333.62	2,176.22	2,114.37	61.85	35.186		
10,000.00	7,065.62	6,518.00	6,496.93	95.38	27.85	-24.89	-377.73	325.75	2,273.91	2,212.06	61.85	36.766		
10,100.00	7,065.85	6,518.00	6,496.93	98.04	27.85	-24.89	-377.73	325.75	2,370.40	2,308.48	61.93	38.278		
10,200.00	7,066.08	6,518.00	6,496.93	100.71	27.85	-24.89	-377.73	325.75	2,467.18	2,405.18	61.99	39.797		
10,300.00	7,066.31	6,518.00	6,496.93	103.39	27.85	-24.89	-377.73	325.75	2,564.20	2,502.14	62.06	41.321		
10,400.00	7,066.54	6,518.00	6,496.93	106.08	27.85	-24.89	-377.73	325.75	2,661.44	2,599.33	62.11	42.848		
10,500.00	7,066.77	6,518.00	6,496.93	108.78	27.85	-24.89	-377.73	325.75	2,758.88	2,696.71	62.17	44.380		
10,600.00	7,067.01	6,518.00	6,496.93	111.48	27.85	-24.89	-377.73	325.75	2,856.50	2,794.28	62.21	45.914		
10,700.00	7,067.24	6,518.00	6,496.93	114.20	27.85	-24.89	-377.73	325.75	2,954.27	2,892.01	62.26	47.450		
10,800.00	7,067.47	6,518.00	6,496.93	116.92	27.85	-24.89	-377.73	325.75	3,052.19	2,989.89	62.31	48.988		
10,900.00	7,067.70	6,518.00	6,496.93	119.65	27.85	-24.89	-377.73	325.75	3,150.24	3,087.90	62.35	50.527		
11,000.00	7,067.93	6,518.00	6,496.93	122.38	27.85	-24.89	-377.73	325.75	3,248.41	3,186.02	62.39	52.067		
11,100.00	7,068.16	6,518.00	6,496.93	125.12	27.85	-24.89	-377.73	325.75	3,346.69	3,284.26	62.43	53.607		
11,200.00	7,068.39	6,518.00	6,496.93	127.86	27.85	-24.89	-377.73	325.75	3,445.07	3,382.60	62.47	55.147		
11,300.00	7,068.62	6,518.00	6,496.93	130.61	27.85	-24.89	-377.73	325.75	3,543.54	3,481.03	62.51	56.688		
11,400.00	7,068.85	6,518.00	6,496.93	133.37	27.85	-24.89	-377.73	325.75	3,642.09	3,579.54	62.55	58.227		
11,500.00	7,069.08	6,518.00	6,496.93	136.12	27.85	-24.89	-377.73	325.75	3,740.72	3,678.13	62.59	59.766		
11,600.00	7,069.31	6,518.00	6,496.93	138.89	27.85	-24.89	-377.73	325.75	3,839.42	3,776.79	62.63	61.304		
11,700.00	7,069.54	6,518.00	6,496.93	141.65	27.85	-24.89	-377.73	325.75	3,938.18	3,875.51	62.67	62.841		
11,800.00	7,069.77	6,518.00	6,496.93	144.42	27.85	-24.89	-377.73	325.75	4,037.01	3,974.30	62.71	64.377		
11,900.00	7,070.00	6,518.00	6,496.93	147.19	27.85	-24.89	-377.73	325.75	4,135.89	4,073.14	62.75	65.911		
12,000.00	7,070.23	6,518.00	6,496.93	149.97	27.85	-24.89	-377.73	325.75	4,234.82	4,172.03	62.79	67.443		
12,100.00	7,070.46	6,518.00	6,496.93	152.75	27.85	-24.89	-377.73	325.75	4,333.81	4,270.97	62.83	68.973		
12,200.00	7,070.69	6,518.00	6,496.93	155.53	27.85	-24.89	-377.73	325.75	4,432.84	4,369.96	62.88	70.501		
12,300.00	7,070.92	6,518.00	6,496.93	158.32	27.85	-24.89	-377.73	325.75	4,531.91	4,468.99	62.92	72.027		
12,400.00	7,071.16	6,478.70	6,458.19	161.10	27.69	-23.62	-379.99	319.54	4,629.86	4,566.88	62.98	73.515		
12,500.00	7,071.39	6,476.86	6,456.37	163.89	27.68	-23.57	-380.08	319.30	4,728.90	4,665.88	63.02	75.033		
12,600.00	7,071.62	6,475.09	6,454.62	166.69	27.67	-23.51	-380.16	319.07	4,827.98	4,764.91	63.07	76.548		
12,700.00	7,071.85	6,473.38	6,452.92	169.48	27.67	-23.46	-380.24	318.86	4,927.09	4,863.97	63.12	78.060		
12,800.00	7,072.08	6,471.73	6,451.29	172.28	27.66	-23.41	-380.32	318.65	5,026.23	4,963.06	63.17	79.569		
12,900.00	7,072.31	6,470.14	6,449.71	175.08	27.65	-23.36	-380.39	318.46	5,125.40	5,062.18	63.22	81.075		
13,000.00	7,072.54	6,468.60	6,448.18	177.88	27.65	-23.31	-380.45	318.27	5,224.59	5,161.33	63.27	82.579		
13,100.00	7,072.77	6,467.11	6,446.70	180.68	27.64	-23.26	-380.52	318.10	5,323.82	5,260.50	63.32	84.079		
13,200.00	7,073.00	6,465.67	6,445.27	183.48	27.63	-23.22	-380.58	317.93	5,423.07	5,359.70	63.37	85.576		
13,300.00	7,073.23	6,425.00	6,404.79	186.29	27.47	-22.00	-381.86	314.31	5,523.48	5,460.04	63.44	87.070		
13,400.00	7,073.46	6,425.00	6,404.79	189.09	27.47	-22.00	-381.86	314.31	5,622.70	5,559.21	63.49	88.560		
13,500.00	7,073.69	6,425.00	6,404.79	191.90	27.47	-22.00	-381.86	314.31	5,721.94	5,658.40	63.55	90.045		
13,600.00	7,073.92	6,425.00	6,404.79	194.71	27.47	-22.00	-381.86	314.31	5,821.21	5,757.61	63.60	91.528		
13,700.00	7,074.15	6,425.00	6,404.79	197.52	27.47	-22.00	-381.86	314.31	5,920.51	5,856.85	63.66	93.007		
13,800.00	7,074.38	6,425.00	6,404.79	200.34	27.47	-22.00	-381.86	314.31	6,019.83	5,956.11	63.71	94.483		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,425.00	6,404.79	203.15	27.47	-22.00	-381.86	314.31	6,119.17	6,055.40	63.77	95.955		
14,000.00	7,074.84	6,425.00	6,404.79	205.97	27.47	-22.00	-381.86	314.31	6,218.53	6,154.70	63.83	97.423		
14,100.00	7,075.07	6,425.00	6,404.79	208.78	27.47	-22.00	-381.86	314.31	6,317.91	6,254.02	63.89	98.888		
14,200.00	7,075.30	6,425.00	6,404.79	211.60	27.47	-22.00	-381.86	314.31	6,417.32	6,353.37	63.95	100.349		
14,300.00	7,075.54	6,425.00	6,404.79	214.42	27.47	-22.00	-381.86	314.31	6,516.74	6,452.72	64.01	101.806		
14,400.00	7,075.77	6,425.00	6,404.79	217.24	27.47	-22.00	-381.86	314.31	6,616.17	6,552.10	64.07	103.259		
14,500.00	7,076.00	6,425.00	6,404.79	220.06	27.47	-22.00	-381.86	314.31	6,715.63	6,651.49	64.14	104.708		
14,600.00	7,076.23	6,425.00	6,404.79	222.88	27.47	-22.00	-381.86	314.31	6,815.10	6,750.90	64.20	106.152		
14,700.00	7,076.46	6,425.00	6,404.79	225.70	27.47	-22.00	-381.86	314.31	6,914.58	6,850.32	64.27	107.593		
14,800.00	7,076.69	6,425.00	6,404.79	228.53	27.47	-22.00	-381.86	314.31	7,014.08	6,949.75	64.33	109.030		
14,900.00	7,076.92	6,425.00	6,404.79	231.35	27.47	-22.00	-381.86	314.31	7,113.60	7,049.20	64.40	110.462		
15,000.00	7,077.15	6,425.00	6,404.79	234.18	27.47	-22.00	-381.86	314.31	7,213.13	7,148.66	64.47	111.890		
15,100.00	7,077.38	6,425.00	6,404.79	237.00	27.47	-22.00	-381.86	314.31	7,312.67	7,248.13	64.53	113.314		
15,200.00	7,077.61	6,425.00	6,404.79	239.83	27.47	-22.00	-381.86	314.31	7,412.22	7,347.62	64.60	114.734		
15,300.00	7,077.84	6,425.00	6,404.79	242.66	27.47	-22.00	-381.86	314.31	7,511.78	7,447.11	64.67	116.148		
15,400.00	7,078.07	6,425.00	6,404.79	245.49	27.47	-22.00	-381.86	314.31	7,611.36	7,546.62	64.75	117.559		
15,500.00	7,078.30	6,425.00	6,404.79	248.31	27.47	-22.00	-381.86	314.31	7,710.95	7,646.13	64.82	118.965		
15,600.00	7,078.53	6,425.00	6,404.79	251.14	27.47	-22.00	-381.86	314.31	7,810.55	7,745.66	64.89	120.366		
15,700.00	7,078.76	6,425.00	6,404.79	253.97	27.47	-22.00	-381.86	314.31	7,910.15	7,845.19	64.96	121.763		
15,800.00	7,078.99	6,425.00	6,404.79	256.80	27.47	-22.00	-381.86	314.31	8,009.77	7,944.73	65.04	123.155		
15,900.00	7,079.22	6,425.00	6,404.79	259.64	27.47	-22.00	-381.86	314.31	8,109.40	8,044.28	65.11	124.543		
16,000.00	7,079.45	6,425.00	6,404.79	262.47	27.47	-22.00	-381.86	314.31	8,209.03	8,143.84	65.19	125.926		
16,100.00	7,079.69	6,425.00	6,404.79	265.30	27.47	-22.00	-381.86	314.31	8,308.68	8,243.41	65.27	127.304		
16,200.00	7,079.92	6,425.00	6,404.79	268.13	27.47	-22.00	-381.86	314.31	8,408.33	8,342.99	65.34	128.677		
16,300.00	7,080.15	6,425.00	6,404.79	270.97	27.47	-22.00	-381.86	314.31	8,507.99	8,442.57	65.42	130.046		
16,400.00	7,080.38	6,425.00	6,404.79	273.80	27.47	-22.00	-381.86	314.31	8,607.66	8,542.16	65.50	131.409		
16,500.00	7,080.61	6,425.00	6,404.79	276.64	27.47	-22.00	-381.86	314.31	8,707.34	8,641.76	65.58	132.768		
16,600.00	7,080.84	6,425.00	6,404.79	279.47	27.47	-22.00	-381.86	314.31	8,807.02	8,741.36	65.66	134.122		
16,700.00	7,081.07	6,425.00	6,404.79	282.31	27.47	-22.00	-381.86	314.31	8,906.71	8,840.97	65.75	135.471		
16,800.00	7,081.30	6,425.00	6,404.79	285.14	27.47	-22.00	-381.86	314.31	9,006.41	8,940.58	65.83	136.815		
16,900.00	7,081.53	6,425.00	6,404.79	287.98	27.47	-22.00	-381.86	314.31	9,106.12	9,040.20	65.91	138.154		
17,000.00	7,081.76	6,425.00	6,404.79	290.82	27.47	-22.00	-381.86	314.31	9,205.83	9,139.83	66.00	139.488		
17,100.00	7,081.99	6,425.00	6,404.79	293.65	27.47	-22.00	-381.86	314.31	9,305.55	9,239.46	66.08	140.817		
17,200.00	7,082.22	6,425.00	6,404.79	296.49	27.47	-22.00	-381.86	314.31	9,405.27	9,339.10	66.17	142.141		
17,300.00	7,082.45	6,425.00	6,404.79	299.33	27.47	-22.00	-381.86	314.31	9,505.00	9,438.74	66.26	143.461		
17,400.00	7,082.68	6,425.00	6,404.79	302.17	27.47	-22.00	-381.86	314.31	9,604.73	9,538.39	66.34	144.775		
17,500.00	7,082.91	6,425.00	6,404.79	305.01	27.47	-22.00	-381.86	314.31	9,704.47	9,638.04	66.43	146.084		
17,600.00	7,083.14	6,425.00	6,404.79	307.85	27.47	-22.00	-381.86	314.31	9,804.22	9,737.70	66.52	147.387		
17,700.00	7,083.37	6,425.00	6,404.79	310.69	27.47	-22.00	-381.86	314.31	9,903.97	9,837.36	66.61	148.686		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	138.50	-572.68	506.71	764.75					
100.00	100.00	75.72	75.71	3.28	3.28	138.51	-573.29	507.02	765.44	758.87	6.57	116.501		
200.00	200.00	169.82	169.78	3.34	3.31	138.56	-575.57	508.13	768.01	761.37	6.65	115.507		
300.00	300.00	294.10	294.04	3.44	3.42	138.69	-577.62	507.54	768.94	762.07	6.87	111.925		
400.00	399.98	433.34	433.12	3.60	3.64	43.69	-577.24	501.59	764.73	757.45	7.27	105.119		
500.00	499.84	559.08	558.18	3.80	3.92	44.83	-575.06	488.80	752.94	745.16	7.78	96.770		
600.00	599.45	653.10	651.47	4.04	4.16	46.11	-573.38	477.24	737.64	729.39	8.25	89.456		
700.00	698.70	729.71	727.44	4.31	4.37	47.52	-573.96	467.39	721.97	713.26	8.71	82.933		
800.00	797.47	795.00	792.20	4.62	4.57	48.98	-577.07	459.71	708.25	699.06	9.19	77.090		
900.00	895.62	868.60	865.09	4.97	4.82	50.85	-583.41	451.78	696.75	686.99	9.76	71.416		
980.89	974.49	932.55	928.31	5.27	5.03	52.65	-590.66	445.44	688.82	678.55	10.27	67.101		
1,000.00	993.07	948.43	944.02	5.34	5.09	53.08	-592.52	444.04	687.08	676.69	10.39	66.111		
1,100.00	1,090.26	1,026.59	1,021.39	5.75	5.36	55.12	-601.99	438.37	679.99	668.93	11.06	61.506		
1,200.00	1,187.45	1,101.03	1,095.08	6.17	5.63	56.95	-612.09	435.53	677.01	665.28	11.73	57.721		
1,219.34	1,206.24	1,115.21	1,109.11	6.26	5.68	57.29	-614.18	435.27	676.92	665.06	11.86	57.076 CC, ES		
1,300.00	1,284.64	1,175.59	1,168.73	6.62	5.90	58.66	-623.72	435.15	678.32	665.90	12.42	54.635		
1,400.00	1,381.83	1,264.11	1,255.93	7.07	6.22	60.62	-638.85	436.16	682.71	669.54	13.17	51.837		
1,500.00	1,479.01	1,351.11	1,341.43	7.54	6.56	62.57	-654.93	436.99	689.31	675.37	13.94	49.454		
1,600.00	1,576.20	1,442.20	1,430.72	8.02	6.92	64.64	-672.95	437.32	697.96	683.21	14.74	47.338		
1,700.00	1,673.39	1,532.08	1,518.68	8.50	7.30	66.66	-691.43	437.52	708.37	692.82	15.56	45.530		
1,800.00	1,770.58	1,626.01	1,610.49	8.99	7.70	68.72	-711.24	437.91	720.37	703.96	16.41	43.903		
1,900.00	1,867.77	1,717.65	1,700.03	9.48	8.10	70.65	-730.76	438.49	733.59	716.34	17.26	42.514		
2,000.00	1,964.96	1,820.74	1,800.70	9.98	8.56	72.73	-752.94	439.36	748.01	729.82	18.19	41.131		
2,100.00	2,062.15	1,923.67	1,901.56	10.49	9.02	74.70	-773.46	440.43	761.72	742.59	19.13	39.827		
2,200.00	2,159.34	2,027.34	2,003.28	10.99	9.49	76.64	-793.46	440.91	775.56	755.48	20.08	38.624		
2,300.00	2,256.53	2,120.70	2,094.95	11.50	9.92	78.40	-811.13	440.33	789.75	768.78	20.97	37.654		
2,400.00	2,353.71	2,221.59	2,194.02	12.01	10.39	80.17	-830.14	440.69	804.68	782.76	21.92	36.704		
2,500.00	2,450.90	2,315.06	2,285.86	12.53	10.82	81.79	-847.54	440.57	820.08	797.25	22.83	35.926		
2,600.00	2,548.09	2,412.90	2,381.98	13.04	11.28	83.48	-865.80	439.51	836.23	812.46	23.77	35.185		
2,700.00	2,645.28	2,514.94	2,482.32	13.56	11.76	85.15	-884.35	438.77	852.58	827.84	24.74	34.462		
2,800.00	2,742.47	2,611.28	2,577.10	14.08	12.21	86.63	-901.60	438.74	869.25	843.57	25.67	33.858		
2,900.00	2,839.66	2,710.37	2,674.66	14.60	12.67	88.12	-918.94	438.41	886.13	859.50	26.63	33.276		
3,000.00	2,936.85	2,799.24	2,762.11	15.12	13.09	89.53	-934.54	436.09	903.89	876.38	27.51	32.855		
3,100.00	3,034.04	2,888.67	2,850.00	15.65	13.52	90.93	-950.78	433.13	922.97	894.57	28.40	32.503		
3,200.00	3,131.22	2,982.92	2,942.57	16.17	13.97	92.34	-968.28	430.25	943.01	913.68	29.32	32.161		
3,300.00	3,228.41	3,082.86	3,040.76	16.69	14.45	93.73	-986.77	427.91	963.40	933.10	30.30	31.800		
3,400.00	3,325.60	3,176.42	3,132.68	17.22	14.90	94.95	-1,004.07	426.14	984.19	952.98	31.22	31.528		
3,500.00	3,422.79	3,275.78	3,230.32	17.75	15.38	96.18	-1,022.48	424.70	1,005.36	973.17	32.19	31.234		
3,600.00	3,519.98	3,381.71	3,334.53	18.27	15.88	97.38	-1,041.44	424.19	1,026.09	992.88	33.21	30.894		
3,700.00	3,617.17	3,480.46	3,431.75	18.80	16.36	98.42	-1,058.80	424.52	1,046.67	1,012.49	34.18	30.622		
3,800.00	3,714.36	3,583.19	3,532.92	19.33	16.85	99.45	-1,076.60	425.13	1,067.25	1,032.07	35.18	30.337		
3,900.00	3,811.55	3,687.46	3,635.77	19.86	17.34	100.46	-1,093.73	425.80	1,087.26	1,051.07	36.19	30.043		
4,000.00	3,908.74	3,770.35	3,717.62	20.39	17.73	101.33	-1,106.78	424.65	1,107.62	1,070.59	37.03	29.915		
4,100.00	4,005.92	3,845.79	3,791.89	20.92	18.10	102.14	-1,119.82	422.40	1,130.16	1,092.37	37.79	29.907		
4,200.00	4,103.11	3,930.67	3,875.27	21.45	18.51	103.01	-1,135.46	419.63	1,154.19	1,115.55	38.63	29.876		
4,300.00	4,200.30	4,015.58	3,958.54	21.98	18.92	103.87	-1,151.71	416.35	1,179.40	1,139.92	39.47	29.879		
4,400.00	4,297.49	4,109.48	4,050.55	22.51	19.39	104.77	-1,170.10	412.69	1,205.32	1,164.92	40.40	29.835		
4,500.00	4,394.68	4,192.54	4,131.83	23.04	19.80	105.52	-1,186.91	409.57	1,232.05	1,190.83	41.22	29.889		
4,600.00	4,491.87	4,302.45	4,239.39	23.57	20.35	106.45	-1,209.23	406.03	1,258.89	1,216.57	42.31	29.751		
4,700.00	4,589.06	4,402.26	4,337.24	24.10	20.84	107.25	-1,228.70	403.28	1,285.06	1,241.75	43.30	29.676		
4,800.00	4,686.25	4,487.92	4,421.10	24.64	21.27	107.86	-1,246.15	401.81	1,311.74	1,267.59	44.15	29.708		
4,900.00	4,783.43	4,579.76	4,510.78	25.17	21.73	108.43	-1,265.92	401.43	1,339.05	1,293.98	45.07	29.710		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,678.24	4,606.97	25.70	22.22	109.01	-1,286.99	400.92	1,366.43	1,320.37	46.06	29.668		
5,100.00	4,977.81	4,774.68	4,701.23	26.23	22.70	109.59	-1,307.38	399.85	1,393.96	1,346.94	47.02	29.646		
5,200.00	5,075.00	4,883.63	4,807.96	26.77	23.25	110.25	-1,329.22	398.52	1,420.69	1,372.59	48.11	29.532		
5,300.00	5,172.19	4,985.89	4,908.22	27.30	23.75	110.87	-1,349.23	396.67	1,447.48	1,398.36	49.12	29.467		
5,400.00	5,269.38	5,098.51	5,018.77	27.83	24.31	111.45	-1,370.78	396.86	1,473.04	1,422.80	50.24	29.322		
5,457.75	5,325.51	5,161.58	5,080.67	28.14	24.62	111.75	-1,382.81	397.60	1,487.58	1,436.72	50.86	29.249		
5,500.00	5,366.64	5,212.63	5,130.83	28.37	24.87	112.17	-1,392.29	398.43	1,497.84	1,446.49	51.35	29.167		
5,600.00	5,464.53	5,345.61	5,261.86	28.87	25.51	113.05	-1,414.77	400.85	1,519.74	1,467.14	52.59	28.896		
5,700.00	5,563.07	5,443.23	5,358.36	29.35	25.97	113.66	-1,429.42	402.58	1,538.74	1,485.23	53.51	28.758		
5,800.00	5,662.15	5,510.94	5,425.18	29.80	26.29	114.11	-1,440.41	403.15	1,557.87	1,503.73	54.15	28.772		
5,900.00	5,761.64	5,593.74	5,506.70	30.23	26.69	114.48	-1,454.82	403.21	1,577.02	1,522.13	54.89	28.733		
6,000.00	5,861.42	5,707.74	5,619.07	30.64	27.24	114.71	-1,474.06	402.76	1,594.49	1,538.61	55.88	28.532		
6,100.00	5,961.36	5,784.00	5,694.10	31.02	27.62	114.84	-1,487.69	402.84	1,611.13	1,554.60	56.53	28.501		
6,138.64	6,000.00	5,807.69	5,717.34	31.16	27.73	-149.62	-1,492.29	402.97	1,617.60	1,560.89	56.71	28.522		
6,200.00	6,061.36	5,852.71	5,761.42	31.38	27.96	-149.79	-1,501.41	403.26	1,628.20	1,571.13	57.07	28.530		
6,300.00	6,161.36	5,985.24	5,891.19	31.74	28.62	-150.31	-1,528.28	404.53	1,645.54	1,587.32	58.22	28.262		
6,400.00	6,261.36	6,090.95	5,995.20	32.10	29.14	-150.65	-1,547.12	405.08	1,660.84	1,601.73	59.11	28.097		
6,500.00	6,361.36	6,172.81	6,075.65	32.46	29.54	-150.91	-1,562.24	405.22	1,676.91	1,617.13	59.78	28.050		
6,562.02	6,423.38	6,270.83	6,172.11	32.68	30.02	-151.22	-1,579.66	405.83	1,686.41	1,625.79	60.62	27.818		
6,600.00	6,461.34	6,313.75	6,214.38	32.82	30.22	-60.72	-1,587.04	406.65	1,691.28	1,630.30	60.98	27.737		
6,650.00	6,511.08	6,387.97	6,287.44	32.99	30.58	-60.90	-1,599.79	409.53	1,695.61	1,634.03	61.58	27.535		
6,700.00	6,560.29	7,291.96	6,947.11	33.17	34.15	-83.64	-1,736.48	930.76	1,688.62	1,624.66	63.96	26.400		
6,750.00	6,608.64	7,296.80	6,948.54	33.36	34.20	-84.99	-1,736.87	935.37	1,675.87	1,611.19	64.69	25.908		
6,800.00	6,655.86	7,304.99	6,950.92	33.56	34.25	-86.36	-1,737.50	943.18	1,664.18	1,598.81	65.37	25.459		
6,850.00	6,701.64	7,280.19	6,943.51	33.78	34.06	-86.45	-1,735.51	919.60	1,653.65	1,587.79	65.86	25.108		
6,900.00	6,745.71	7,251.98	6,934.26	34.01	33.85	-86.33	-1,733.07	893.05	1,644.22	1,577.94	66.29	24.805		
6,950.00	6,787.79	7,222.01	6,923.50	34.27	33.66	-86.05	-1,730.26	865.22	1,635.86	1,569.21	66.65	24.545		
7,000.00	6,827.62	7,191.90	6,911.74	34.56	33.50	-85.68	-1,727.23	837.68	1,628.52	1,561.56	66.96	24.321		
7,050.00	6,864.96	7,173.55	6,904.04	34.87	33.42	-85.63	-1,725.32	821.13	1,622.20	1,554.86	67.34	24.090		
7,100.00	6,899.58	7,154.00	6,895.33	35.21	33.34	-85.45	-1,723.30	803.75	1,616.93	1,549.24	67.69	23.887		
7,150.00	6,931.26	7,133.55	6,885.66	35.60	33.27	-85.16	-1,721.19	785.85	1,612.66	1,544.63	68.02	23.707		
7,200.00	6,959.81	7,112.38	6,875.07	36.02	33.20	-84.77	-1,719.01	767.65	1,609.34	1,540.99	68.34	23.548		
7,250.00	6,985.06	7,090.02	6,863.25	36.47	33.13	-84.28	-1,716.73	748.81	1,606.91	1,538.24	68.67	23.400		
7,300.00	7,006.84	7,066.41	6,850.06	36.97	33.06	-83.70	-1,714.31	729.38	1,605.30	1,536.29	69.01	23.260		
7,350.00	7,025.02	7,042.66	6,836.07	37.51	33.00	-83.05	-1,711.88	710.35	1,604.44	1,535.07	69.37	23.129		
7,400.00	7,039.49	7,018.80	6,821.29	38.09	32.93	-82.37	-1,709.43	691.77	1,604.25	1,534.52	69.74	23.005		
7,414.89	7,043.08	7,414.89	6,791.93	38.27	34.65	-81.07	-1,704.12	660.36	1,604.04	1,532.07	71.97	22.288		
7,450.00	7,050.17	6,948.22	6,774.05	38.70	32.73	-80.30	-1,701.20	640.03	1,604.46	1,534.66	69.80	22.987		
7,500.00	7,056.98	6,880.57	6,724.78	39.33	32.53	-78.33	-1,690.68	594.93	1,604.00	1,534.16	69.84	22.968		
7,550.00	7,059.89	6,835.34	6,690.13	39.99	32.38	-77.05	-1,682.63	566.98	1,603.45	1,533.40	70.05	22.890		
7,560.55	7,060.00	6,825.96	6,682.80	40.13	32.35	-76.79	-1,680.87	561.40	1,603.32	1,533.22	70.10	22.873		
7,591.65	7,060.07	6,807.31	6,668.06	40.55	32.29	-76.25	-1,677.30	550.54	1,603.10	1,532.78	70.32	22.796		
7,600.00	7,060.09	6,803.90	6,665.35	40.67	32.28	-76.15	-1,676.65	548.59	1,603.12	1,532.72	70.40	22.771		
7,700.00	7,060.32	6,765.63	6,634.36	42.14	32.14	-75.01	-1,669.38	527.36	1,605.96	1,534.54	71.42	22.488		
7,800.00	7,060.55	6,731.65	6,606.09	43.75	32.02	-73.98	-1,663.05	509.58	1,613.80	1,541.27	72.53	22.251		
7,900.00	7,060.78	6,700.12	6,579.28	45.48	31.91	-73.00	-1,657.27	494.04	1,626.74	1,553.04	73.70	22.073		
8,000.00	7,061.01	6,671.77	6,554.67	47.33	31.80	-72.10	-1,652.08	480.95	1,644.80	1,569.90	74.90	21.960		
8,100.00	7,061.24	6,646.83	6,532.66	49.27	31.71	-71.31	-1,647.54	470.15	1,667.96	1,591.85	76.12	21.913 SF		
8,200.00	7,061.47	6,627.00	6,514.92	51.29	31.63	-70.67	-1,643.93	462.05	1,696.14	1,618.80	77.34	21.931		
8,300.00	7,061.70	6,604.59	6,494.63	53.40	31.54	-69.94	-1,639.83	453.47	1,729.16	1,650.69	78.46	22.038		
8,400.00	7,061.93	6,587.18	6,478.68	55.57	31.47	-69.37	-1,636.59	447.29	1,766.84	1,687.28	79.56	22.207		
8,500.00	7,062.16	6,571.96	6,464.61	57.80	31.41	-68.87	-1,633.73	442.24	1,808.97	1,728.37	80.59	22.446		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,062.39	6,558.55	6,452.13	60.08	31.35	-68.43	-1,631.19	438.06	1,855.28	1,773.73	81.55	22.750		
8,700.00	7,062.63	6,533.00	6,428.13	62.42	31.25	-67.58	-1,626.29	430.80	1,905.65	1,823.39	82.26	23.166		
8,800.00	7,062.86	6,533.00	6,428.13	64.79	31.25	-67.58	-1,626.29	430.80	1,959.44	1,876.25	83.19	23.553		
8,900.00	7,063.09	6,533.00	6,428.13	67.20	31.25	-67.58	-1,626.29	430.80	2,016.75	1,932.73	84.02	24.003		
9,000.00	7,063.32	6,533.00	6,428.13	69.65	31.25	-67.58	-1,626.29	430.80	2,077.30	1,992.54	84.76	24.509		
9,100.00	7,063.55	6,533.00	6,428.13	72.12	31.25	-67.58	-1,626.29	430.80	2,140.81	2,055.40	85.40	25.067		
9,200.00	7,063.78	6,533.00	6,428.13	74.63	31.25	-67.58	-1,626.29	430.80	2,207.02	2,121.05	85.97	25.671		
9,300.00	7,064.01	6,533.00	6,428.13	77.16	31.25	-67.58	-1,626.29	430.80	2,275.71	2,189.23	86.47	26.317		
9,400.00	7,064.24	6,533.00	6,428.13	79.71	31.25	-67.58	-1,626.29	430.80	2,346.64	2,259.73	86.91	27.001		
9,500.00	7,064.47	6,495.37	6,392.25	82.28	31.08	-66.32	-1,619.12	422.05	2,418.26	2,331.33	86.93	27.819		
9,600.00	7,064.70	6,491.33	6,388.36	84.87	31.06	-66.18	-1,618.36	421.26	2,492.81	2,405.57	87.23	28.577		
9,700.00	7,064.93	6,487.57	6,384.73	87.47	31.04	-66.06	-1,617.66	420.55	2,569.05	2,481.56	87.49	29.363		
9,800.00	7,065.16	6,484.07	6,381.35	90.09	31.03	-65.94	-1,617.01	419.91	2,646.85	2,559.13	87.72	30.174		
9,900.00	7,065.39	6,480.80	6,378.20	92.73	31.01	-65.83	-1,616.40	419.33	2,726.08	2,638.16	87.92	31.008		
10,000.00	7,065.62	6,477.74	6,375.24	95.38	31.00	-65.73	-1,615.83	418.81	2,806.61	2,718.53	88.08	31.863		
10,100.00	7,065.85	6,440.00	6,338.47	98.04	30.83	-64.47	-1,608.97	413.75	2,889.56	2,801.66	87.90	32.874		
10,200.00	7,066.08	6,440.00	6,338.47	100.71	30.83	-64.47	-1,608.97	413.75	2,972.22	2,884.16	88.05	33.755		
10,300.00	7,066.31	6,440.00	6,338.47	103.39	30.83	-64.47	-1,608.97	413.75	3,055.91	2,967.73	88.19	34.653		
10,400.00	7,066.54	6,440.00	6,338.47	106.08	30.83	-64.47	-1,608.97	413.75	3,140.56	3,052.26	88.30	35.566		
10,500.00	7,066.77	6,440.00	6,338.47	108.78	30.83	-64.47	-1,608.97	413.75	3,226.09	3,137.69	88.40	36.494		
10,600.00	7,067.01	6,440.00	6,338.47	111.48	30.83	-64.47	-1,608.97	413.75	3,312.43	3,223.95	88.49	37.435		
10,700.00	7,067.24	6,440.00	6,338.47	114.20	30.83	-64.47	-1,608.97	413.75	3,399.52	3,310.97	88.56	38.388		
10,800.00	7,067.47	6,440.00	6,338.47	116.92	30.83	-64.47	-1,608.97	413.75	3,487.30	3,398.69	88.62	39.352		
10,900.00	7,067.70	6,440.00	6,338.47	119.65	30.83	-64.47	-1,608.97	413.75	3,575.73	3,487.06	88.67	40.326		
11,000.00	7,067.93	6,440.00	6,338.47	122.38	30.83	-64.47	-1,608.97	413.75	3,664.75	3,576.03	88.72	41.309		
11,100.00	7,068.16	6,440.00	6,338.47	125.12	30.83	-64.47	-1,608.97	413.75	3,754.32	3,665.57	88.75	42.301		
11,200.00	7,068.39	6,440.00	6,338.47	127.86	30.83	-64.47	-1,608.97	413.75	3,844.40	3,755.62	88.78	43.301		
11,300.00	7,068.62	6,440.00	6,338.47	130.61	30.83	-64.47	-1,608.97	413.75	3,934.97	3,846.16	88.81	44.308		
11,400.00	7,068.85	6,440.00	6,338.47	133.37	30.83	-64.47	-1,608.97	413.75	4,025.98	3,937.15	88.83	45.321		
11,500.00	7,069.08	6,440.00	6,338.47	136.12	30.83	-64.47	-1,608.97	413.75	4,117.41	4,028.56	88.85	46.341		
11,600.00	7,069.31	6,440.00	6,338.47	138.89	30.83	-64.47	-1,608.97	413.75	4,209.23	4,120.36	88.86	47.367		
11,700.00	7,069.54	6,440.00	6,338.47	141.65	30.83	-64.47	-1,608.97	413.75	4,301.41	4,212.53	88.88	48.398		
11,800.00	7,069.77	6,440.00	6,338.47	144.42	30.83	-64.47	-1,608.97	413.75	4,393.94	4,305.05	88.89	49.433		
11,900.00	7,070.00	6,440.00	6,338.47	147.19	30.83	-64.47	-1,608.97	413.75	4,486.78	4,397.89	88.89	50.473		
12,000.00	7,070.23	6,440.00	6,338.47	149.97	30.83	-64.47	-1,608.97	413.75	4,579.93	4,491.03	88.90	51.517		
12,100.00	7,070.46	6,440.00	6,338.47	152.75	30.83	-64.47	-1,608.97	413.75	4,673.36	4,584.45	88.91	52.565		
12,200.00	7,070.69	6,440.00	6,338.47	155.53	30.83	-64.47	-1,608.97	413.75	4,767.06	4,678.14	88.91	53.616		
12,300.00	7,070.92	6,440.00	6,338.47	158.32	30.83	-64.47	-1,608.97	413.75	4,861.00	4,772.09	88.91	54.671		
12,400.00	7,071.16	6,440.00	6,338.47	161.10	30.83	-64.47	-1,608.97	413.75	4,955.19	4,866.27	88.92	55.728		
12,500.00	7,071.39	6,440.00	6,338.47	163.89	30.83	-64.47	-1,608.97	413.75	5,049.60	4,960.68	88.92	56.788		
12,600.00	7,071.62	6,440.00	6,338.47	166.69	30.83	-64.47	-1,608.97	413.75	5,144.22	5,055.29	88.92	57.850		
12,700.00	7,071.85	6,440.00	6,338.47	169.48	30.83	-64.47	-1,608.97	413.75	5,239.04	5,150.11	88.93	58.915		
12,800.00	7,072.08	6,440.00	6,338.47	172.28	30.83	-64.47	-1,608.97	413.75	5,334.05	5,245.12	88.93	59.981		
12,900.00	7,072.31	6,440.00	6,338.47	175.08	30.83	-64.47	-1,608.97	413.75	5,429.23	5,340.30	88.93	61.050		
13,000.00	7,072.54	6,440.00	6,338.47	177.88	30.83	-64.47	-1,608.97	413.75	5,524.59	5,435.66	88.93	62.120		
13,100.00	7,072.77	6,440.00	6,338.47	180.68	30.83	-64.47	-1,608.97	413.75	5,620.11	5,531.17	88.94	63.191		
13,200.00	7,073.00	6,440.00	6,338.47	183.48	30.83	-64.47	-1,608.97	413.75	5,715.78	5,626.84	88.94	64.264		
13,300.00	7,073.23	6,440.00	6,338.47	186.29	30.83	-64.47	-1,608.97	413.75	5,811.60	5,722.66	88.95	65.337		
13,400.00	7,073.46	6,440.00	6,338.47	189.09	30.83	-64.47	-1,608.97	413.75	5,907.56	5,818.61	88.95	66.412		
13,500.00	7,073.69	6,440.00	6,338.47	191.90	30.83	-64.47	-1,608.97	413.75	6,003.65	5,914.69	88.96	67.488		
13,600.00	7,073.92	6,440.00	6,338.47	194.71	30.83	-64.47	-1,608.97	413.75	6,099.86	6,010.90	88.97	68.564		
13,700.00	7,074.15	6,440.00	6,338.47	197.52	30.83	-64.47	-1,608.97	413.75	6,196.20	6,107.22	88.97	69.641		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,074.38	6,440.00	6,338.47	200.34	30.83	-64.47	-1,608.97	413.75	6,292.65	6,203.67	88.98	70.719		
13,900.00	7,074.61	6,440.00	6,338.47	203.15	30.83	-64.47	-1,608.97	413.75	6,389.21	6,300.21	88.99	71.796		
14,000.00	7,074.84	6,440.00	6,338.47	205.97	30.83	-64.47	-1,608.97	413.75	6,485.87	6,396.87	89.00	72.874		
14,100.00	7,075.07	6,440.00	6,338.47	208.78	30.83	-64.47	-1,608.97	413.75	6,582.63	6,493.62	89.01	73.953		
14,200.00	7,075.30	6,440.00	6,338.47	211.60	30.83	-64.47	-1,608.97	413.75	6,679.49	6,590.46	89.02	75.031		
14,300.00	7,075.54	6,440.00	6,338.47	214.42	30.83	-64.47	-1,608.97	413.75	6,776.44	6,687.40	89.04	76.109		
14,400.00	7,075.77	6,440.00	6,338.47	217.24	30.83	-64.47	-1,608.97	413.75	6,873.47	6,784.42	89.05	77.187		
14,500.00	7,076.00	6,440.00	6,338.47	220.06	30.83	-64.47	-1,608.97	413.75	6,970.59	6,881.53	89.06	78.265		
14,600.00	7,076.23	6,401.59	6,300.81	222.88	30.64	-63.19	-1,602.18	410.44	7,067.15	6,978.32	88.83	79.556		
14,700.00	7,076.46	6,400.47	6,299.72	225.70	30.64	-63.15	-1,601.98	410.36	7,164.40	7,075.55	88.84	80.642		
14,800.00	7,076.69	6,399.39	6,298.65	228.53	30.63	-63.12	-1,601.79	410.29	7,261.71	7,172.86	88.85	81.727		
14,900.00	7,076.92	6,398.32	6,297.61	231.35	30.63	-63.08	-1,601.60	410.21	7,359.10	7,270.23	88.87	82.812		
15,000.00	7,077.15	6,397.28	6,296.59	234.18	30.62	-63.05	-1,601.42	410.14	7,456.55	7,367.67	88.88	83.896		
15,100.00	7,077.38	6,396.27	6,295.59	237.00	30.62	-63.01	-1,601.24	410.07	7,554.07	7,465.18	88.89	84.980		
15,200.00	7,077.61	6,395.27	6,294.61	239.83	30.61	-62.98	-1,601.07	410.00	7,651.65	7,562.75	88.91	86.063		
15,300.00	7,077.84	6,394.30	6,293.65	242.66	30.61	-62.95	-1,600.90	409.94	7,749.30	7,660.37	88.92	87.145		
15,400.00	7,078.07	6,393.35	6,292.72	245.49	30.60	-62.92	-1,600.73	409.87	7,847.00	7,758.06	88.94	88.226		
15,500.00	7,078.30	6,392.42	6,291.80	248.31	30.60	-62.89	-1,600.57	409.81	7,944.76	7,855.80	88.96	89.307		
15,600.00	7,078.53	6,391.50	6,290.91	251.14	30.60	-62.86	-1,600.41	409.75	8,042.57	7,953.59	88.98	90.386		
15,700.00	7,078.76	6,390.61	6,290.03	253.97	30.59	-62.83	-1,600.25	409.69	8,140.44	8,051.44	89.00	91.465		
15,800.00	7,078.99	6,389.74	6,289.17	256.80	30.59	-62.80	-1,600.10	409.64	8,238.35	8,149.33	89.02	92.542		
15,900.00	7,079.22	6,388.88	6,288.33	259.64	30.58	-62.77	-1,599.95	409.58	8,336.32	8,247.27	89.05	93.619		
16,000.00	7,079.45	6,388.04	6,287.51	262.47	30.58	-62.74	-1,599.81	409.53	8,434.33	8,345.26	89.07	94.694		
16,100.00	7,079.69	6,387.22	6,286.70	265.30	30.58	-62.72	-1,599.66	409.48	8,532.39	8,443.30	89.09	95.768		
16,200.00	7,079.92	6,386.41	6,285.91	268.13	30.57	-62.69	-1,599.52	409.43	8,630.49	8,541.37	89.12	96.841		
16,300.00	7,080.15	6,385.62	6,285.13	270.97	30.57	-62.66	-1,599.38	409.38	8,728.64	8,639.49	89.15	97.913		
16,400.00	7,080.38	6,384.85	6,284.37	273.80	30.56	-62.64	-1,599.25	409.34	8,826.82	8,737.65	89.18	98.983		
16,500.00	7,080.61	6,345.00	6,245.16	276.64	30.37	-61.34	-1,592.38	407.51	8,925.69	8,836.72	88.96	100.329		
16,600.00	7,080.84	6,345.00	6,245.16	279.47	30.37	-61.34	-1,592.38	407.51	9,023.93	8,934.93	89.00	101.393		
16,700.00	7,081.07	6,345.00	6,245.16	282.31	30.37	-61.34	-1,592.38	407.51	9,122.20	9,033.17	89.03	102.456		
16,800.00	7,081.30	6,345.00	6,245.16	285.14	30.37	-61.34	-1,592.38	407.51	9,220.52	9,131.45	89.07	103.518		
16,900.00	7,081.53	6,345.00	6,245.16	287.98	30.37	-61.34	-1,592.38	407.51	9,318.87	9,229.76	89.11	104.578		
17,000.00	7,081.76	6,345.00	6,245.16	290.82	30.37	-61.34	-1,592.38	407.51	9,417.25	9,328.11	89.15	105.637		
17,100.00	7,081.99	6,345.00	6,245.16	293.65	30.37	-61.34	-1,592.38	407.51	9,515.67	9,426.49	89.19	106.694		
17,200.00	7,082.22	6,345.00	6,245.16	296.49	30.37	-61.34	-1,592.38	407.51	9,614.12	9,524.90	89.23	107.749		
17,300.00	7,082.45	6,345.00	6,245.16	299.33	30.37	-61.34	-1,592.38	407.51	9,712.61	9,623.34	89.27	108.803		
17,400.00	7,082.68	6,345.00	6,245.16	302.17	30.37	-61.34	-1,592.38	407.51	9,811.12	9,721.81	89.31	109.855		
17,500.00	7,082.91	6,345.00	6,245.16	305.01	30.37	-61.34	-1,592.38	407.51	9,909.66	9,820.31	89.35	110.905		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	144.63	-712.57	505.87	873.95					
100.00	100.00	95.33	95.33	3.28	3.29	144.63	-712.28	505.69	873.56	866.98	6.57	132.929		
200.00	200.00	202.43	202.43	3.34	3.31	144.62	-711.26	505.03	872.42	865.78	6.65	131.229		
300.00	300.00	312.76	312.73	3.44	3.38	144.59	-709.12	504.12	870.37	863.54	6.83	127.408		
400.00	399.98	430.40	430.24	3.60	3.55	49.06	-703.88	504.00	865.56	858.40	7.16	120.920		
500.00	499.84	532.78	532.46	3.80	3.74	49.27	-698.10	503.36	857.17	849.62	7.55	113.527		
600.00	599.45	611.56	611.17	4.04	3.92	49.74	-695.34	502.04	847.66	839.71	7.95	106.592		
700.00	698.70	693.54	693.12	4.31	4.12	50.52	-695.21	499.87	838.16	829.74	8.42	99.509		
800.00	797.47	774.17	773.61	4.62	4.33	51.67	-698.11	496.12	828.69	819.75	8.94	92.673		
900.00	895.62	860.16	859.11	4.97	4.58	53.33	-704.66	489.83	819.47	809.94	9.53	86.023		
980.89	974.49	932.06	930.32	5.27	4.80	55.03	-711.72	482.84	811.70	801.65	10.04	80.815		
1,000.00	993.07	948.36	946.42	5.34	4.85	55.42	-713.53	481.04	809.90	799.73	10.17	79.641		
1,100.00	1,090.26	1,033.22	1,029.92	5.75	5.14	57.61	-724.23	470.38	802.01	791.16	10.85	73.932		
1,200.00	1,187.45	1,118.55	1,113.59	6.17	5.45	59.92	-736.31	458.82	796.68	785.12	11.57	68.863		
1,300.00	1,284.64	1,204.12	1,197.30	6.62	5.77	62.32	-749.40	446.82	794.00	781.68	12.32	64.443		
1,353.83	1,336.95	1,250.94	1,243.01	6.86	5.96	63.65	-756.91	440.08	793.64	780.89	12.74	62.292		
1,400.00	1,381.83	1,291.76	1,282.82	7.07	6.12	64.82	-763.64	434.06	793.91	780.80	13.11	60.561		
1,500.00	1,479.01	1,389.72	1,378.26	7.54	6.53	67.68	-779.66	418.87	795.65	781.69	13.97	56.972		
1,600.00	1,576.20	1,488.75	1,474.80	8.02	6.96	70.57	-795.13	403.11	798.72	783.87	14.85	53.791		
1,700.00	1,673.39	1,595.17	1,578.90	8.50	7.43	73.59	-810.00	386.76	802.40	786.62	15.78	50.846		
1,800.00	1,770.58	1,695.61	1,677.69	8.99	7.87	76.25	-822.25	373.45	806.59	789.90	16.69	48.323		
1,900.00	1,867.77	1,791.82	1,772.77	9.48	8.28	78.56	-833.18	363.65	811.91	794.33	17.58	46.192		
2,000.00	1,964.96	1,889.94	1,870.12	9.98	8.70	80.64	-843.70	357.40	818.14	799.67	18.47	44.286		
2,100.00	2,062.15	2,012.28	1,991.71	10.49	9.22	83.12	-855.34	350.57	824.49	805.01	19.49	42.310		
2,200.00	2,159.34	2,117.36	2,096.33	10.99	9.66	85.32	-861.89	343.30	828.54	808.12	20.43	40.563		
2,300.00	2,256.53	2,213.47	2,192.08	11.50	10.07	87.24	-867.74	337.62	833.51	812.19	21.33	39.084		
2,400.00	2,353.71	2,307.54	2,285.86	12.01	10.47	89.04	-873.57	332.96	839.50	817.28	22.22	37.783		
2,500.00	2,450.90	2,441.60	2,419.69	12.53	11.03	91.51	-878.71	327.59	843.90	820.61	23.28	36.245		
2,600.00	2,548.09	2,536.94	2,514.98	13.04	11.42	93.19	-880.78	324.88	847.52	823.33	24.18	35.045		
2,700.00	2,645.28	2,636.43	2,614.41	13.56	11.83	94.92	-882.85	322.18	851.82	826.72	25.10	33.933		
2,800.00	2,742.47	2,735.78	2,713.70	14.08	12.24	96.63	-884.41	319.42	856.43	830.41	26.02	32.911		
2,900.00	2,839.66	2,842.18	2,820.05	14.60	12.68	98.47	-885.74	316.36	861.56	834.59	26.97	31.945		
3,000.00	2,936.85	2,947.42	2,925.28	15.12	13.11	100.17	-885.60	315.03	865.68	837.77	27.91	31.020		
3,100.00	3,034.04	3,040.94	3,018.80	15.65	13.50	101.67	-885.48	313.89	870.51	841.71	28.80	30.222		
3,200.00	3,131.22	3,137.11	3,114.96	16.17	13.90	103.21	-885.63	312.42	876.36	846.65	29.71	29.497		
3,300.00	3,228.41	3,233.46	3,211.29	16.69	14.30	104.73	-885.75	311.03	882.83	852.21	30.62	28.834		
3,400.00	3,325.60	3,331.44	3,309.26	17.22	14.71	106.26	-885.87	309.51	889.99	858.46	31.53	28.226		
3,500.00	3,422.79	3,434.14	3,411.96	17.75	15.13	107.83	-885.64	308.09	897.41	864.95	32.46	27.646		
3,600.00	3,519.98	3,535.22	3,513.02	18.27	15.55	109.36	-884.78	306.82	904.86	871.48	33.38	27.110		
3,700.00	3,617.17	3,632.57	3,610.35	18.80	15.94	110.82	-883.73	305.70	912.68	878.40	34.28	26.627		
3,800.00	3,714.36	3,726.66	3,704.44	19.33	16.33	112.19	-882.85	304.61	921.23	886.06	35.16	26.199		
3,900.00	3,811.55	3,824.00	3,801.77	19.86	16.73	113.56	-882.31	303.85	930.49	894.43	36.06	25.804		
4,000.00	3,908.74	3,936.81	3,914.56	20.39	17.17	114.97	-881.83	305.59	939.21	902.21	37.01	25.381		
4,100.00	4,005.92	4,029.70	4,007.43	20.92	17.53	116.08	-881.46	307.70	948.04	910.17	37.86	25.038		
4,200.00	4,103.11	4,124.17	4,101.88	21.45	17.90	117.21	-881.19	309.40	957.61	918.88	38.73	24.727		
4,300.00	4,200.30	4,215.22	4,192.92	21.98	18.25	118.27	-881.40	310.82	968.12	928.55	39.58	24.463		
4,400.00	4,297.49	4,308.47	4,286.16	22.51	18.62	119.34	-881.88	311.80	979.54	939.10	40.43	24.225		
4,500.00	4,394.68	4,400.55	4,378.24	23.04	18.99	120.39	-882.68	312.43	991.81	950.52	41.29	24.021		
4,600.00	4,491.87	4,493.49	4,471.17	23.57	19.37	121.41	-883.95	312.92	1,004.94	962.79	42.15	23.842		
4,700.00	4,589.06	4,589.81	4,567.48	24.10	19.77	122.44	-885.46	313.25	1,018.67	975.64	43.03	23.673		
4,800.00	4,686.25	4,687.19	4,664.84	24.64	20.17	123.47	-886.89	313.53	1,032.71	988.79	43.92	23.514		
4,900.00	4,783.43	4,775.24	4,752.87	25.17	20.54	124.33	-888.95	313.98	1,047.56	1,002.81	44.75	23.410		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,864.56	4,842.15	25.70	20.92	125.20	-891.50	313.88	1,063.48	1,017.90	45.59	23.330		
5,100.00	4,977.81	4,960.25	4,937.80	26.23	21.33	126.15	-893.86	312.73	1,080.12	1,033.66	46.46	23.246		
5,200.00	5,075.00	5,060.91	5,038.43	26.77	21.76	127.16	-895.76	311.07	1,096.96	1,049.58	47.38	23.154		
5,300.00	5,172.19	5,164.47	5,141.97	27.30	22.21	128.17	-897.42	309.49	1,113.83	1,065.53	48.31	23.057		
5,400.00	5,269.38	5,288.48	5,265.97	27.83	22.72	129.42	-896.62	308.32	1,128.98	1,079.63	49.35	22.878		
5,457.75	5,325.51	5,348.30	5,325.76	28.14	22.97	130.05	-895.19	307.64	1,137.33	1,087.46	49.87	22.806		
5,500.00	5,366.64	5,388.71	5,366.15	28.37	23.14	130.56	-894.10	307.10	1,143.28	1,093.05	50.23	22.761		
5,600.00	5,464.53	5,478.51	5,455.91	28.87	23.51	131.59	-891.59	305.66	1,156.14	1,105.10	51.04	22.652		
5,700.00	5,563.07	5,563.70	5,541.05	29.35	23.87	132.44	-889.71	303.52	1,167.98	1,116.18	51.80	22.547		
5,800.00	5,662.15	5,653.38	5,630.71	29.80	24.25	133.10	-889.55	301.68	1,178.62	1,126.04	52.58	22.416		
5,900.00	5,761.64	5,751.28	5,728.59	30.23	24.67	133.56	-890.90	300.40	1,187.43	1,134.02	53.41	22.233		
6,000.00	5,861.42	5,864.73	5,842.02	30.64	25.16	133.89	-892.34	299.44	1,193.48	1,139.14	54.33	21.966		
6,100.00	5,961.36	5,971.40	5,948.68	31.02	25.61	134.12	-891.09	298.10	1,195.81	1,140.63	55.18	21.670		
6,138.64	6,000.00	6,009.58	5,986.85	31.16	25.77	-130.33	-890.72	297.70	1,196.06	1,140.57	55.49	21.556		
6,200.00	6,061.36	6,070.36	6,047.63	31.38	26.02	-130.30	-890.31	297.19	1,196.18	1,140.22	55.96	21.374		
6,300.00	6,161.36	6,170.59	6,147.85	31.74	26.45	-130.26	-889.91	296.55	1,196.41	1,139.66	56.75	21.082		
6,400.00	6,261.36	7,770.72	7,146.63	32.10	37.84	-178.52	-886.49	1,189.66	1,181.66	1,135.33	46.33	25.507		
6,500.00	6,361.36	7,772.21	7,146.66	32.46	37.87	-178.63	-886.49	1,191.16	1,107.73	1,058.31	49.42	22.413		
6,562.02	6,423.38	7,773.18	7,146.68	32.68	37.88	-178.71	-886.50	1,192.13	1,064.02	1,012.54	51.48	20.670		
6,600.00	6,461.34	7,772.87	7,146.67	32.82	37.88	-91.56	-886.49	1,191.82	1,038.17	985.40	52.77	19.675		
6,650.00	6,511.08	7,769.57	7,146.61	32.99	37.82	-95.22	-886.48	1,188.51	1,005.38	950.93	54.46	18.462		
6,700.00	6,560.29	7,762.84	7,146.50	33.17	37.71	-98.28	-886.45	1,181.79	974.31	918.18	56.13	17.358		
6,750.00	6,608.64	7,752.56	7,146.36	33.36	37.55	-100.73	-886.40	1,171.51	945.24	887.48	57.76	16.365		
6,800.00	6,655.86	7,738.60	7,146.24	33.56	37.32	-102.60	-886.31	1,157.56	918.40	859.08	59.32	15.482		
6,850.00	6,701.64	7,720.90	7,146.21	33.78	37.03	-103.91	-886.18	1,139.86	893.99	833.21	60.78	14.707		
6,900.00	6,745.71	7,699.09	7,146.34	34.01	36.68	-104.70	-885.98	1,118.04	872.12	810.00	62.12	14.039		
6,950.00	6,787.79	7,669.75	7,146.47	34.27	36.24	-104.81	-885.72	1,088.70	852.78	789.47	63.31	13.470		
7,000.00	6,827.62	7,637.83	7,146.30	34.56	35.77	-104.60	-885.50	1,056.79	835.88	771.51	64.37	12.986		
7,050.00	6,864.96	7,602.44	7,145.71	34.87	35.25	-104.06	-885.34	1,021.41	821.37	756.10	65.28	12.583		
7,100.00	6,899.58	7,550.88	7,143.47	35.21	34.56	-102.57	-884.92	969.90	808.78	742.80	65.98	12.258		
7,150.00	6,931.26	7,502.52	7,139.52	35.60	33.93	-101.18	-884.16	921.70	797.70	731.09	66.62	11.974		
7,200.00	6,959.81	7,464.26	7,135.31	36.02	33.48	-100.20	-883.60	883.69	788.45	721.16	67.29	11.717		
7,250.00	6,985.06	7,432.32	7,130.96	36.47	33.08	-99.42	-883.25	852.04	781.02	713.12	67.90	11.503		
7,300.00	7,006.84	7,363.46	7,118.29	36.97	32.38	-96.97	-882.66	784.41	774.95	706.66	68.29	11.348		
7,350.00	7,025.02	7,310.22	7,102.41	37.51	31.87	-95.00	-881.66	733.63	769.32	700.57	68.74	11.191		
7,400.00	7,039.49	7,274.71	7,089.27	38.09	31.57	-93.73	-881.19	700.65	765.15	695.87	69.28	11.044		
7,450.00	7,050.17	7,240.09	7,074.68	38.70	31.28	-92.38	-881.12	669.26	762.68	692.92	69.76	10.933		
7,500.00	7,056.98	7,206.65	7,058.96	39.33	31.04	-90.98	-881.40	639.76	761.85	691.63	70.22	10.849		
7,500.64	7,057.04	7,206.23	7,058.75	39.34	31.03	-90.96	-881.40	639.39	761.85	691.62	70.23	10.848 CC, ES		
7,550.00	7,059.89	7,174.22	7,042.14	39.99	30.82	-89.53	-882.03	612.04	762.61	691.95	70.67	10.792		
7,560.55	7,060.00	7,167.47	7,038.45	40.13	30.77	-89.21	-882.21	606.39	762.97	692.21	70.75	10.783		
7,600.00	7,060.09	7,150.04	7,028.68	40.67	30.63	-88.48	-882.63	591.95	764.84	693.75	71.10	10.758 SF		
7,700.00	7,060.32	7,059.23	6,971.74	42.14	30.14	-84.22	-885.41	521.34	773.46	701.70	71.76	10.779		
7,800.00	7,060.55	6,992.33	6,924.73	43.75	29.82	-80.76	-885.92	473.78	787.15	714.79	72.35	10.879		
7,900.00	7,060.78	6,941.00	6,885.60	45.48	29.59	-77.92	-885.87	440.57	808.15	735.28	72.87	11.091		
8,000.00	7,061.01	6,905.74	6,857.19	47.33	29.45	-75.90	-885.84	419.71	837.43	764.08	73.35	11.417		
8,100.00	7,061.24	6,876.58	6,832.71	49.27	29.33	-74.19	-886.01	403.85	875.16	801.46	73.69	11.876		
8,200.00	7,061.47	6,846.00	6,806.19	51.29	29.21	-72.37	-886.38	388.64	920.74	846.91	73.83	12.471		
8,300.00	7,061.70	6,823.35	6,786.16	53.40	29.12	-71.02	-886.76	378.08	973.15	899.23	73.92	13.165		
8,400.00	7,061.93	6,794.98	6,760.84	55.57	29.01	-69.36	-887.38	365.29	1,031.35	957.51	73.84	13.968		
8,500.00	7,062.16	6,768.69	6,737.17	57.80	28.91	-67.84	-888.08	353.88	1,094.50	1,020.79	73.70	14.850		
8,600.00	7,062.39	6,753.00	6,722.95	60.08	28.85	-66.95	-888.56	347.28	1,161.96	1,088.34	73.63	15.782		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	6,753.00	6,722.95	62.42	28.85	-66.95	-888.56	347.28	1,233.69	1,160.07	73.62	16.758		
8,800.00	7,062.86	6,717.32	6,690.02	64.79	28.71	-64.92	-889.43	333.57	1,307.79	1,234.48	73.30	17.841		
8,900.00	7,063.09	6,705.39	6,678.81	67.20	28.67	-64.24	-889.60	329.50	1,385.27	1,312.12	73.15	18.938		
9,000.00	7,063.32	6,694.86	6,668.84	69.65	28.63	-63.64	-889.70	326.13	1,465.24	1,392.25	72.99	20.075		
9,100.00	7,063.55	6,659.00	6,634.39	72.12	28.49	-61.61	-889.68	316.20	1,548.09	1,475.45	72.63	21.314		
9,200.00	7,063.78	6,659.00	6,634.39	74.63	28.49	-61.61	-889.68	316.20	1,631.63	1,559.08	72.55	22.490		
9,300.00	7,064.01	6,659.00	6,634.39	77.16	28.49	-61.61	-889.68	316.20	1,716.93	1,644.49	72.45	23.699		
9,400.00	7,064.24	6,659.00	6,634.39	79.71	28.49	-61.61	-889.68	316.20	1,803.75	1,731.41	72.34	24.935		
9,500.00	7,064.47	6,659.00	6,634.39	82.28	28.49	-61.61	-889.68	316.20	1,891.86	1,819.64	72.22	26.195		
9,600.00	7,064.70	6,659.00	6,634.39	84.87	28.49	-61.61	-889.68	316.20	1,981.11	1,909.00	72.10	27.475		
9,700.00	7,064.93	6,659.00	6,634.39	87.47	28.49	-61.61	-889.68	316.20	2,071.34	1,999.35	71.99	28.773		
9,800.00	7,065.16	6,659.00	6,634.39	90.09	28.49	-61.61	-889.68	316.20	2,162.42	2,090.55	71.87	30.086		
9,900.00	7,065.39	6,659.00	6,634.39	92.73	28.49	-61.61	-889.68	316.20	2,254.27	2,182.50	71.76	31.412		
10,000.00	7,065.62	6,625.73	6,601.96	95.38	28.36	-59.76	-889.37	308.82	2,345.86	2,274.30	71.56	32.781		
10,100.00	7,065.85	6,620.80	6,597.12	98.04	28.34	-59.49	-889.32	307.84	2,438.68	2,367.22	71.45	34.129		
10,200.00	7,066.08	6,616.18	6,592.58	100.71	28.32	-59.24	-889.27	306.96	2,532.00	2,460.65	71.36	35.484		
10,300.00	7,066.31	6,611.84	6,588.32	103.39	28.30	-59.00	-889.23	306.15	2,625.79	2,554.53	71.26	36.847		
10,400.00	7,066.54	6,607.75	6,584.30	106.08	28.28	-58.78	-889.18	305.42	2,719.99	2,648.82	71.18	38.215		
10,500.00	7,066.77	6,603.90	6,580.50	108.78	28.27	-58.57	-889.14	304.75	2,814.57	2,743.47	71.10	39.588		
10,600.00	7,067.01	6,600.26	6,576.92	111.48	28.25	-58.38	-889.10	304.13	2,909.49	2,838.47	71.02	40.966		
10,700.00	7,067.24	6,564.00	6,541.04	114.20	28.11	-56.46	-888.65	298.91	3,005.58	2,934.70	70.88	42.405		
10,800.00	7,067.47	6,564.00	6,541.04	116.92	28.11	-56.46	-888.65	298.91	3,100.92	3,030.10	70.83	43.783		
10,900.00	7,067.70	6,564.00	6,541.04	119.65	28.11	-56.46	-888.65	298.91	3,196.55	3,125.78	70.78	45.164		
11,000.00	7,067.93	6,564.00	6,541.04	122.38	28.11	-56.46	-888.65	298.91	3,292.44	3,221.71	70.73	46.548		
11,100.00	7,068.16	6,564.00	6,541.04	125.12	28.11	-56.46	-888.65	298.91	3,388.57	3,317.88	70.69	47.936		
11,200.00	7,068.39	6,564.00	6,541.04	127.86	28.11	-56.46	-888.65	298.91	3,484.92	3,414.27	70.65	49.326		
11,300.00	7,068.62	6,564.00	6,541.04	130.61	28.11	-56.46	-888.65	298.91	3,581.46	3,510.85	70.62	50.718		
11,400.00	7,068.85	6,564.00	6,541.04	133.37	28.11	-56.46	-888.65	298.91	3,678.19	3,607.61	70.58	52.111		
11,500.00	7,069.08	6,564.00	6,541.04	136.12	28.11	-56.46	-888.65	298.91	3,775.09	3,704.54	70.55	53.506		
11,600.00	7,069.31	6,564.00	6,541.04	138.89	28.11	-56.46	-888.65	298.91	3,872.15	3,801.63	70.53	54.902		
11,700.00	7,069.54	6,564.00	6,541.04	141.65	28.11	-56.46	-888.65	298.91	3,969.36	3,898.85	70.50	56.299		
11,800.00	7,069.77	6,564.00	6,541.04	144.42	28.11	-56.46	-888.65	298.91	4,066.70	3,996.21	70.48	57.696		
11,900.00	7,070.00	6,564.00	6,541.04	147.19	28.11	-56.46	-888.65	298.91	4,164.16	4,093.70	70.47	59.094		
12,000.00	7,070.23	6,564.00	6,541.04	149.97	28.11	-56.46	-888.65	298.91	4,261.75	4,191.30	70.45	60.492		
12,100.00	7,070.46	6,564.00	6,541.04	152.75	28.11	-56.46	-888.65	298.91	4,359.44	4,289.00	70.44	61.889		
12,200.00	7,070.69	6,564.00	6,541.04	155.53	28.11	-56.46	-888.65	298.91	4,457.24	4,386.81	70.43	63.286		
12,300.00	7,070.92	6,564.00	6,541.04	158.32	28.11	-56.46	-888.65	298.91	4,555.13	4,484.71	70.42	64.683		
12,400.00	7,071.16	6,564.00	6,541.04	161.10	28.11	-56.46	-888.65	298.91	4,653.11	4,582.69	70.42	66.079		
12,500.00	7,071.39	6,564.00	6,541.04	163.89	28.11	-56.46	-888.65	298.91	4,751.17	4,680.76	70.42	67.474		
12,600.00	7,071.62	6,564.00	6,541.04	166.69	28.11	-56.46	-888.65	298.91	4,849.32	4,778.90	70.41	68.868		
12,700.00	7,071.85	6,564.00	6,541.04	169.48	28.11	-56.46	-888.65	298.91	4,947.54	4,877.12	70.42	70.261		
12,800.00	7,072.08	6,564.00	6,541.04	172.28	28.11	-56.46	-888.65	298.91	5,045.82	4,975.40	70.42	71.652		
12,900.00	7,072.31	6,564.00	6,541.04	175.08	28.11	-56.46	-888.65	298.91	5,144.18	5,073.75	70.43	73.042		
13,000.00	7,072.54	6,564.00	6,541.04	177.88	28.11	-56.46	-888.65	298.91	5,242.60	5,172.16	70.44	74.431		
13,100.00	7,072.77	6,564.00	6,541.04	180.68	28.11	-56.46	-888.65	298.91	5,341.07	5,270.62	70.45	75.818		
13,200.00	7,073.00	6,564.00	6,541.04	183.48	28.11	-56.46	-888.65	298.91	5,439.60	5,369.14	70.46	77.203		
13,300.00	7,073.23	6,564.00	6,541.04	186.29	28.11	-56.46	-888.65	298.91	5,538.19	5,467.71	70.47	78.586		
13,400.00	7,073.46	6,564.00	6,541.04	189.09	28.11	-56.46	-888.65	298.91	5,636.82	5,566.33	70.49	79.968		
13,500.00	7,073.69	6,564.00	6,541.04	191.90	28.11	-56.46	-888.65	298.91	5,735.50	5,664.99	70.51	81.347		
13,600.00	7,073.92	6,564.00	6,541.04	194.71	28.11	-56.46	-888.65	298.91	5,834.23	5,763.70	70.53	82.724		
13,700.00	7,074.15	6,564.00	6,541.04	197.52	28.11	-56.46	-888.65	298.91	5,932.99	5,862.45	70.55	84.099		
13,800.00	7,074.38	6,564.00	6,541.04	200.34	28.11	-56.46	-888.65	298.91	6,031.80	5,961.23	70.57	85.472		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,564.00	6,541.04	203.15	28.11	-56.46	-888.65	298.91	6,130.65	6,060.06	70.60	86.842		
14,000.00	7,074.84	6,564.00	6,541.04	205.97	28.11	-56.46	-888.65	298.91	6,229.54	6,158.91	70.62	88.210		
14,100.00	7,075.07	6,564.00	6,541.04	208.78	28.11	-56.46	-888.65	298.91	6,328.46	6,257.81	70.65	89.575		
14,200.00	7,075.30	6,564.00	6,541.04	211.60	28.11	-56.46	-888.65	298.91	6,427.41	6,356.73	70.68	90.938		
14,300.00	7,075.54	6,564.00	6,541.04	214.42	28.11	-56.46	-888.65	298.91	6,526.39	6,455.68	70.71	92.298		
14,400.00	7,075.77	6,564.00	6,541.04	217.24	28.11	-56.46	-888.65	298.91	6,625.41	6,554.67	70.74	93.655		
14,500.00	7,076.00	6,564.00	6,541.04	220.06	28.11	-56.46	-888.65	298.91	6,724.45	6,653.68	70.78	95.010		
14,600.00	7,076.23	6,564.00	6,541.04	222.88	28.11	-56.46	-888.65	298.91	6,823.53	6,752.71	70.81	96.361		
14,700.00	7,076.46	6,564.00	6,541.04	225.70	28.11	-56.46	-888.65	298.91	6,922.63	6,851.78	70.85	97.710		
14,800.00	7,076.69	6,564.00	6,541.04	228.53	28.11	-56.46	-888.65	298.91	7,021.75	6,950.86	70.89	99.056		
14,900.00	7,076.92	6,564.00	6,541.04	231.35	28.11	-56.46	-888.65	298.91	7,120.90	7,049.97	70.93	100.398		
15,000.00	7,077.15	6,564.00	6,541.04	234.18	28.11	-56.46	-888.65	298.91	7,220.07	7,149.10	70.97	101.738		
15,100.00	7,077.38	6,564.00	6,541.04	237.00	28.11	-56.46	-888.65	298.91	7,319.27	7,248.26	71.01	103.074		
15,200.00	7,077.61	6,564.00	6,541.04	239.83	28.11	-56.46	-888.65	298.91	7,418.48	7,347.43	71.05	104.408		
15,300.00	7,077.84	6,564.00	6,541.04	242.66	28.11	-56.46	-888.65	298.91	7,517.72	7,446.62	71.10	105.738		
15,400.00	7,078.07	6,564.00	6,541.04	245.49	28.11	-56.46	-888.65	298.91	7,616.98	7,545.83	71.14	107.065		
15,500.00	7,078.30	6,564.00	6,541.04	248.31	28.11	-56.46	-888.65	298.91	7,716.25	7,645.06	71.19	108.388		
15,600.00	7,078.53	6,564.00	6,541.04	251.14	28.11	-56.46	-888.65	298.91	7,815.55	7,744.31	71.24	109.708		
15,700.00	7,078.76	6,564.00	6,541.04	253.97	28.11	-56.46	-888.65	298.91	7,914.86	7,843.57	71.29	111.025		
15,800.00	7,078.99	6,564.00	6,541.04	256.80	28.11	-56.46	-888.65	298.91	8,014.19	7,942.85	71.34	112.338		
15,900.00	7,079.22	6,564.00	6,541.04	259.64	28.11	-56.46	-888.65	298.91	8,113.54	8,042.15	71.39	113.648		
16,000.00	7,079.45	6,564.00	6,541.04	262.47	28.11	-56.46	-888.65	298.91	8,212.90	8,141.46	71.45	114.954		
16,100.00	7,079.69	6,564.00	6,541.04	265.30	28.11	-56.46	-888.65	298.91	8,312.28	8,240.78	71.50	116.257		
16,200.00	7,079.92	6,564.00	6,541.04	268.13	28.11	-56.46	-888.65	298.91	8,411.67	8,340.12	71.55	117.556		
16,300.00	7,080.15	6,564.00	6,541.04	270.97	28.11	-56.46	-888.65	298.91	8,511.08	8,439.47	71.61	118.851		
16,400.00	7,080.38	6,564.00	6,541.04	273.80	28.11	-56.46	-888.65	298.91	8,610.50	8,538.83	71.67	120.143		
16,500.00	7,080.61	6,564.00	6,541.04	276.64	28.11	-56.46	-888.65	298.91	8,709.93	8,638.20	71.73	121.431		
16,600.00	7,080.84	6,564.00	6,541.04	279.47	28.11	-56.46	-888.65	298.91	8,809.38	8,737.59	71.79	122.715		
16,700.00	7,081.07	6,564.00	6,541.04	282.31	28.11	-56.46	-888.65	298.91	8,908.84	8,836.99	71.85	123.996		
16,800.00	7,081.30	6,564.00	6,541.04	285.14	28.11	-56.46	-888.65	298.91	9,008.31	8,936.40	71.91	125.273		
16,900.00	7,081.53	6,564.00	6,541.04	287.98	28.11	-56.46	-888.65	298.91	9,107.79	9,035.82	71.97	126.546		
17,000.00	7,081.76	6,564.00	6,541.04	290.82	28.11	-56.46	-888.65	298.91	9,207.28	9,135.25	72.04	127.815		
17,100.00	7,081.99	6,564.00	6,541.04	293.65	28.11	-56.46	-888.65	298.91	9,306.79	9,234.69	72.10	129.080		
17,200.00	7,082.22	6,564.00	6,541.04	296.49	28.11	-56.46	-888.65	298.91	9,406.30	9,334.14	72.17	130.341		
17,300.00	7,082.45	6,564.00	6,541.04	299.33	28.11	-56.46	-888.65	298.91	9,505.83	9,433.59	72.23	131.599		
17,400.00	7,082.68	6,564.00	6,541.04	302.17	28.11	-56.46	-888.65	298.91	9,605.36	9,533.06	72.30	132.852		
17,500.00	7,082.91	6,520.52	6,497.74	305.01	27.93	-54.26	-888.26	295.02	9,703.47	9,631.14	72.33	134.156		
17,600.00	7,083.14	6,520.14	6,497.37	307.85	27.93	-54.24	-888.26	295.00	9,802.99	9,730.60	72.40	135.403		
17,700.00	7,083.37	6,519.77	6,496.99	310.69	27.93	-54.22	-888.26	294.98	9,902.53	9,830.07	72.47	136.646		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	142.20	-652.46	506.15	825.84					
100.00	100.00	90.48	90.48	3.28	3.29	142.18	-652.22	506.34	825.69	819.12	6.57	125.662		
200.00	200.00	192.14	192.13	3.34	3.31	142.10	-651.36	506.98	825.41	818.77	6.64	124.232		
300.00	300.00	293.77	293.74	3.44	3.34	141.98	-649.87	508.09	824.93	818.15	6.79	121.531		
400.00	399.98	410.47	410.41	3.60	3.44	141.98	-647.31	509.07	822.58	815.53	7.05	116.705		
500.00	499.84	542.17	541.96	3.80	3.66	141.98	-641.82	506.36	814.44	806.96	7.49	108.779		
600.00	599.45	665.31	664.65	4.04	3.94	141.98	-632.20	502.16	800.18	792.16	8.02	99.762		
700.00	698.70	769.98	768.74	4.31	4.21	141.98	-622.19	497.92	781.94	773.37	8.57	91.283		
800.00	797.47	886.83	884.80	4.62	4.56	141.98	-609.60	492.77	760.40	751.17	9.23	82.424		
900.00	895.62	1,005.12	1,001.71	4.97	4.95	141.98	-592.59	487.00	733.58	723.64	9.95	73.747		
980.89	974.49	1,099.01	1,094.04	5.27	5.28	141.98	-576.28	482.11	708.41	697.85	10.56	67.103		
1,000.00	993.07	1,115.88	1,110.59	5.34	5.34	141.98	-573.14	481.23	702.13	691.45	10.68	65.725		
1,100.00	1,090.26	1,208.60	1,201.55	5.75	5.69	141.98	-555.79	476.47	669.40	658.03	11.37	58.881		
1,200.00	1,187.45	1,300.31	1,291.63	6.17	6.04	141.98	-539.30	471.55	637.35	625.27	12.09	52.737		
1,300.00	1,284.64	1,406.22	1,395.44	6.62	6.47	141.98	-519.19	465.63	604.67	591.79	12.88	46.948		
1,400.00	1,381.83	1,514.42	1,500.92	7.07	6.93	141.98	-495.83	459.65	570.19	556.50	13.69	41.636		
1,500.00	1,479.01	1,614.61	1,597.97	7.54	7.36	141.98	-471.67	453.67	533.67	519.17	14.50	36.799		
1,600.00	1,576.20	1,702.03	1,682.60	8.02	7.75	141.98	-450.34	448.81	497.46	482.15	15.31	32.493		
1,700.00	1,673.39	1,786.54	1,764.69	8.50	8.13	141.98	-430.57	445.25	463.04	446.90	16.14	28.688		
1,800.00	1,770.58	1,873.65	1,849.59	8.99	8.53	141.98	-411.23	442.81	430.63	413.63	17.00	25.332		
1,900.00	1,867.77	1,964.50	1,938.32	9.48	8.93	141.98	-391.90	440.32	399.58	381.70	17.88	22.348		
2,000.00	1,964.96	2,056.29	2,028.17	9.98	9.35	141.98	-373.31	437.57	370.00	351.22	18.78	19.700		
2,100.00	2,062.15	2,154.54	2,124.23	10.49	9.80	141.98	-353.00	433.91	340.72	321.02	19.69	17.300		
2,200.00	2,159.34	2,251.12	2,218.46	10.99	10.24	141.98	-332.11	430.54	311.77	291.14	20.63	15.114		
2,300.00	2,256.53	2,346.70	2,311.37	11.50	10.69	141.98	-309.83	427.98	282.79	261.21	21.58	13.102		
2,400.00	2,353.71	2,433.97	2,396.53	12.01	11.10	141.98	-290.92	425.80	257.14	234.53	22.61	11.371		
2,500.00	2,450.90	2,530.45	2,490.74	12.53	11.55	141.98	-270.35	422.57	234.27	210.65	23.62	9.918		
2,600.00	2,548.09	2,625.88	2,583.60	13.04	12.01	141.98	-248.67	418.94	213.47	188.82	24.65	8.660		
2,700.00	2,645.28	2,717.03	2,672.41	13.56	12.44	141.98	-228.50	415.17	197.87	172.16	25.71	7.695		
2,800.00	2,742.47	2,813.92	2,766.71	14.08	12.90	141.98	-206.43	412.48	186.84	160.14	26.69	7.000		
2,900.00	2,839.66	2,906.02	2,856.44	14.60	13.35	141.98	-185.75	410.18	182.31	154.69	27.62	6.601		
2,919.18	2,858.30	2,924.48	2,874.38	14.70	13.44	141.98	-181.47	409.57	182.20	154.42	27.78	6.558 CC, ES		
3,000.00	2,936.85	2,999.57	2,947.02	15.12	13.80	141.98	-162.72	406.34	184.43	156.00	28.43	6.487 SF		
3,100.00	3,034.04	3,089.14	3,033.90	15.65	14.24	141.98	-141.41	401.90	195.09	165.98	29.12	6.700		
3,200.00	3,131.22	3,182.23	3,124.79	16.17	14.69	141.98	-121.76	397.61	212.49	182.70	29.79	7.132		
3,300.00	3,228.41	3,276.53	3,216.69	16.69	15.14	141.98	-101.02	393.63	233.63	203.13	30.50	7.661		
3,400.00	3,325.60	3,368.56	3,306.79	17.22	15.58	141.98	-82.72	389.62	258.39	227.19	31.20	8.281		
3,500.00	3,422.79	3,463.85	3,400.49	17.75	16.03	141.98	-65.91	385.51	285.25	253.25	32.00	8.915		
3,600.00	3,519.98	3,560.58	3,495.61	18.27	16.48	141.98	-48.65	382.26	312.53	279.69	32.84	9.517		
3,700.00	3,617.17	3,652.78	3,585.87	18.80	16.92	141.98	-30.08	379.25	341.01	307.39	33.62	10.143		
3,800.00	3,714.36	3,746.76	3,677.68	19.33	17.37	141.98	-10.31	375.89	370.92	336.47	34.45	10.766		
3,900.00	3,811.55	3,841.78	3,770.17	19.86	17.84	141.98	11.36	373.49	401.09	365.77	35.32	11.356		
4,000.00	3,908.74	3,928.84	3,854.30	20.39	18.27	141.98	33.62	371.30	432.78	396.71	36.06	12.001		
4,100.00	4,005.92	4,013.81	3,935.87	20.92	18.71	141.98	57.19	368.17	466.96	430.18	36.78	12.696		
4,200.00	4,103.11	4,107.99	4,025.95	21.45	19.19	141.98	84.50	364.69	502.39	464.71	37.68	13.332		
4,300.00	4,200.30	4,208.46	4,122.32	21.98	19.71	141.98	112.75	362.00	537.34	498.63	38.71	13.883		
4,400.00	4,297.49	4,307.30	4,218.06	22.51	20.20	141.98	137.08	359.16	571.65	531.96	39.69	14.403		
4,500.00	4,394.68	4,404.59	4,313.32	23.04	20.67	141.98	166.50	355.52	605.13	564.49	40.64	14.890		
4,600.00	4,491.87	4,494.79	4,401.65	23.57	21.11	141.98	174.38	351.78	639.00	597.52	41.48	15.407		
4,700.00	4,589.06	4,588.71	4,493.51	24.10	21.56	141.98	193.58	347.90	673.22	630.85	42.38	15.887		
4,800.00	4,686.25	4,685.62	4,588.19	24.64	22.03	141.98	213.97	344.54	707.24	663.91	43.32	16.325		
4,900.00	4,783.43	4,778.13	4,678.69	25.17	22.48	141.98	232.90	341.40	741.03	696.82	44.20	16.764		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,863.98	4,762.73	25.70	22.89	-157.22	249.93	337.41	775.65	730.67	44.98	17.243		
5,100.00	4,977.81	4,952.19	4,849.27	26.23	23.31	-156.95	266.02	331.70	811.12	765.32	45.80	17.712		
5,200.00	5,075.00	5,042.78	4,938.07	26.77	23.75	-156.67	282.91	325.66	846.94	800.30	46.65	18.157		
5,300.00	5,172.19	5,129.03	5,022.18	27.30	24.17	-156.26	301.29	320.51	883.44	835.99	47.44	18.622		
5,400.00	5,269.38	5,246.95	5,136.64	27.83	24.76	-155.52	329.21	315.59	919.78	871.07	48.71	18.882		
5,457.75	5,325.51	5,337.14	5,225.13	28.14	25.19	-155.16	346.49	314.18	938.01	888.32	49.69	18.878		
5,500.00	5,366.64	5,377.95	5,265.36	28.37	25.38	-155.16	353.29	313.58	950.71	900.64	50.08	18.986		
5,600.00	5,464.53	5,498.96	5,384.95	28.87	25.93	-155.08	371.71	312.30	977.66	926.42	51.24	19.082		
5,700.00	5,563.07	5,597.53	5,482.39	29.35	26.38	-154.91	386.53	312.93	999.98	947.84	52.14	19.180		
5,800.00	5,662.15	5,687.02	5,570.92	29.80	26.78	-154.73	399.60	312.86	1,019.63	966.70	52.93	19.264		
5,900.00	5,761.64	5,830.35	5,713.41	30.23	27.40	-154.45	414.93	313.17	1,033.79	979.60	54.19	19.077		
6,000.00	5,861.42	5,938.68	5,821.47	30.64	27.85	-154.32	422.60	313.89	1,042.81	987.72	55.09	18.929		
6,100.00	5,961.36	6,044.18	5,926.83	31.02	28.28	-154.20	427.78	313.92	1,048.11	992.17	55.94	18.735		
6,138.64	6,000.00	6,083.40	5,966.02	31.16	28.44	-58.64	429.22	313.80	1,049.19	992.93	56.25	18.651		
6,200.00	6,061.36	6,142.93	6,025.53	31.38	28.68	-58.57	431.02	313.31	1,050.58	993.86	56.72	18.522		
6,300.00	6,161.36	6,252.30	6,134.87	31.74	29.11	-58.51	433.09	311.99	1,052.61	995.04	57.56	18.286		
6,400.00	6,261.36	7,796.16	7,050.62	32.10	38.86	-0.35	446.99	1,206.05	978.84	940.10	38.73	25.271		
6,500.00	6,361.36	7,797.09	7,050.62	32.46	38.88	-0.26	446.99	1,206.97	988.93	856.57	42.36	21.222		
6,562.02	6,423.38	7,797.65	7,050.63	32.68	38.89	-0.20	446.98	1,207.54	851.50	806.61	44.89	18.969		
6,600.00	6,461.34	7,796.87	7,050.62	32.82	38.87	93.77	446.99	1,206.76	823.44	776.90	46.53	17.696		
6,650.00	6,511.08	7,792.44	7,050.58	32.99	38.80	97.85	447.02	1,202.33	787.92	739.15	48.77	16.157		
6,700.00	6,560.29	7,784.19	7,050.50	33.17	38.66	101.06	447.08	1,194.08	754.39	703.33	51.06	14.774		
6,750.00	6,608.64	7,773.05	7,050.39	33.36	38.49	103.51	447.18	1,182.94	723.22	669.82	53.40	13.543		
6,800.00	6,655.86	7,759.41	7,050.29	33.56	38.28	105.30	447.31	1,169.30	694.77	639.02	55.75	12.462		
6,850.00	6,701.64	7,742.31	7,050.24	33.78	38.02	106.38	447.50	1,152.20	669.34	611.29	58.05	11.531		
6,900.00	6,745.71	7,721.74	7,050.30	34.01	37.71	106.82	447.77	1,131.64	647.14	586.91	60.23	10.744		
6,950.00	6,787.79	7,697.77	7,050.51	34.27	37.34	106.70	448.14	1,107.67	628.31	566.06	62.24	10.094		
7,000.00	6,827.62	7,680.79	7,050.93	34.56	36.81	105.38	448.69	1,070.70	612.71	548.78	63.93	9.584		
7,050.00	6,864.96	7,622.86	7,050.99	34.87	36.31	103.86	448.86	1,032.77	599.74	534.30	65.44	9.164		
7,100.00	6,899.58	7,583.89	7,051.11	35.21	35.80	102.20	448.81	993.80	589.45	522.73	66.71	8.835		
7,150.00	6,931.26	7,536.15	7,051.06	35.60	35.23	99.98	448.42	946.06	581.41	513.74	67.67	8.591		
7,200.00	6,959.81	7,480.16	7,048.24	36.02	34.60	97.22	447.16	890.16	574.60	506.19	68.41	8.399		
7,250.00	6,985.06	7,435.51	7,043.46	36.47	34.16	95.07	445.70	845.80	569.01	499.82	69.18	8.224		
7,300.00	7,006.84	7,395.00	7,037.01	36.97	33.78	93.07	444.59	805.83	565.17	495.29	69.88	8.087		
7,350.00	7,025.02	7,349.46	7,027.25	37.51	33.41	90.72	443.51	761.37	562.91	492.49	70.43	7.993		
7,400.00	7,039.49	7,298.57	7,012.72	38.09	33.05	87.99	441.69	712.65	561.44	490.62	70.82	7.927		
7,450.00	7,050.17	7,247.93	6,994.28	38.70	32.77	85.19	439.02	665.57	560.55	489.42	71.12	7.881		
7,500.00	7,056.98	7,199.26	6,972.44	39.33	32.55	82.39	435.42	622.25	560.08	488.75	71.33	7.852		
7,517.92	7,058.47	7,183.00	6,964.25	39.57	32.48	81.43	433.99	608.28	560.04	488.65	71.39	7.845		
7,550.00	7,059.89	7,183.00	6,964.25	39.99	32.48	81.36	433.99	608.28	560.84	488.88	71.95	7.794		
7,560.55	7,060.00	7,183.00	6,964.25	40.13	32.48	81.31	433.99	608.28	561.45	489.31	72.13	7.784		
7,600.00	7,060.09	7,149.34	6,945.88	40.67	32.35	79.42	431.77	580.17	563.35	491.06	72.29	7.792		
7,700.00	7,060.32	7,111.87	6,923.23	42.14	32.22	77.15	431.33	550.34	577.91	504.68	73.23	7.892		
7,800.00	7,060.55	7,071.25	6,896.34	43.75	32.08	74.56	433.02	519.96	604.09	530.27	73.81	8.184		
7,900.00	7,060.78	7,024.99	6,863.52	45.48	31.92	71.54	435.68	487.48	639.71	565.70	74.01	8.643		
8,000.00	7,061.01	6,997.00	6,842.64	47.33	31.83	69.68	437.50	468.94	684.06	609.85	74.21	9.217		
8,100.00	7,061.24	6,954.60	6,809.29	49.27	31.69	66.84	440.46	442.93	736.08	662.07	74.02	9.945		
8,200.00	7,061.47	6,928.16	6,787.41	51.29	31.61	65.06	442.38	428.22	795.36	721.47	73.89	10.765		
8,300.00	7,061.70	6,905.00	6,767.61	53.40	31.53	63.49	444.11	416.33	860.68	786.98	73.70	11.679		
8,400.00	7,061.93	6,879.14	6,744.95	55.57	31.44	61.76	445.90	404.01	930.88	857.46	73.42	12.679		
8,500.00	7,062.16	6,855.99	6,724.25	57.80	31.37	60.22	447.26	393.73	1,005.01	931.86	73.15	13.740		
8,600.00	7,062.39	6,835.78	6,705.89	60.08	31.30	58.89	448.25	385.34	1,082.45	1,009.56	72.89	14.851		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	7,062.63	8,700.00	6,686.57	62.42	38.40	57.53	449.34	377.11	1,162.73	1,082.93	79.80	14.571		
8,800.00	7,062.86	8,785.34	6,659.13	64.79	31.13	55.63	449.69	366.51	1,245.14	1,172.86	72.28	17.226		
8,900.00	7,063.09	8,739.83	6,616.51	67.20	30.97	52.77	448.67	350.60	1,328.86	1,257.08	71.78	18.512		
9,000.00	7,063.32	8,718.00	6,596.01	69.65	30.89	51.42	447.33	343.24	1,413.76	1,342.22	71.54	19.763		
9,100.00	7,063.55	8,718.00	6,596.01	72.12	30.89	51.42	447.33	343.24	1,500.39	1,428.89	71.51	20.982		
9,200.00	7,063.78	8,718.00	6,596.01	74.63	30.89	51.42	447.33	343.24	1,588.60	1,517.14	71.46	22.231		
9,300.00	7,064.01	8,682.61	6,562.45	77.16	30.76	49.28	444.57	332.36	1,676.91	1,605.79	71.12	23.578		
9,400.00	7,064.24	8,674.40	6,554.59	79.71	30.72	48.79	443.89	330.10	1,766.95	1,695.93	71.02	24.881		
9,500.00	7,064.47	8,666.87	6,547.35	82.28	30.70	48.34	443.25	328.11	1,857.89	1,786.97	70.92	26.197		
9,600.00	7,064.70	8,659.94	6,540.68	84.87	30.67	47.94	442.65	326.35	1,949.63	1,878.80	70.83	27.526		
9,700.00	7,064.93	8,625.00	6,506.76	87.47	30.54	45.93	439.45	318.59	2,042.83	1,972.27	70.56	28.953		
9,800.00	7,065.16	8,625.00	6,506.76	90.09	30.54	45.93	439.45	318.59	2,135.59	2,065.06	70.53	30.280		
9,900.00	7,065.39	8,625.00	6,506.76	92.73	30.54	45.93	439.45	318.59	2,228.97	2,158.47	70.50	31.618		
10,000.00	7,065.62	8,625.00	6,506.76	95.38	30.54	45.93	439.45	318.59	2,322.90	2,252.44	70.46	32.967		
10,100.00	7,065.85	8,625.00	6,506.76	98.04	30.54	45.93	439.45	318.59	2,417.32	2,346.90	70.43	34.324		
10,200.00	7,066.08	8,625.00	6,506.76	100.71	30.54	45.93	439.45	318.59	2,512.17	2,441.78	70.39	35.689		
10,300.00	7,066.31	8,625.00	6,506.76	103.39	30.54	45.93	439.45	318.59	2,607.41	2,537.06	70.36	37.060		
10,400.00	7,066.54	8,625.00	6,506.76	106.08	30.54	45.93	439.45	318.59	2,702.99	2,632.67	70.32	38.437		
10,500.00	7,066.77	8,625.00	6,506.76	108.78	30.54	45.93	439.45	318.59	2,798.88	2,728.59	70.29	39.819		
10,600.00	7,067.01	8,625.00	6,506.76	111.48	30.54	45.93	439.45	318.59	2,895.05	2,824.79	70.26	41.205		
10,700.00	7,067.24	8,625.00	6,506.76	114.20	30.54	45.93	439.45	318.59	2,991.47	2,921.24	70.23	42.594		
10,800.00	7,067.47	8,625.00	6,506.76	116.92	30.54	45.93	439.45	318.59	3,088.12	3,017.91	70.21	43.986		
10,900.00	7,067.70	8,625.00	6,506.76	119.65	30.54	45.93	439.45	318.59	3,184.97	3,114.79	70.18	45.381		
11,000.00	7,067.93	8,625.00	6,506.76	122.38	30.54	45.93	439.45	318.59	3,282.01	3,211.85	70.16	46.778		
11,100.00	7,068.16	8,625.00	6,506.76	125.12	30.54	45.93	439.45	318.59	3,379.23	3,309.09	70.14	48.177		
11,200.00	7,068.39	8,625.00	6,506.76	127.86	30.54	45.93	439.45	318.59	3,476.60	3,406.47	70.13	49.576		
11,300.00	7,068.62	8,625.00	6,506.76	130.61	30.54	45.93	439.45	318.59	3,574.12	3,504.01	70.11	50.977		
11,400.00	7,068.85	8,625.00	6,506.76	133.37	30.54	45.93	439.45	318.59	3,671.77	3,601.67	70.10	52.379		
11,500.00	7,069.08	8,625.00	6,506.76	136.12	30.54	45.93	439.45	318.59	3,769.55	3,699.45	70.09	53.781		
11,600.00	7,069.31	8,625.00	6,506.76	138.89	30.54	45.93	439.45	318.59	3,867.43	3,797.35	70.08	55.183		
11,700.00	7,069.54	8,625.00	6,506.76	141.65	30.54	45.93	439.45	318.59	3,965.43	3,895.35	70.08	56.585		
11,800.00	7,069.77	8,625.00	6,506.76	144.42	30.54	45.93	439.45	318.59	4,063.52	3,993.44	70.08	57.986		
11,900.00	7,070.00	8,625.00	6,506.76	147.19	30.54	45.93	439.45	318.59	4,161.70	4,091.63	70.08	59.388		
12,000.00	7,070.23	8,625.00	6,506.76	149.97	30.54	45.93	439.45	318.59	4,259.97	4,189.89	70.08	60.788		
12,100.00	7,070.46	8,625.00	6,506.76	152.75	30.54	45.93	439.45	318.59	4,358.32	4,288.23	70.08	62.188		
12,200.00	7,070.69	8,625.00	6,506.76	155.53	30.54	45.93	439.45	318.59	4,456.73	4,386.65	70.09	63.587		
12,300.00	7,070.92	8,625.00	6,506.76	158.32	30.54	45.93	439.45	318.59	4,555.22	4,485.13	70.10	64.984		
12,400.00	7,071.16	8,625.00	6,506.76	161.10	30.54	45.93	439.45	318.59	4,653.78	4,583.67	70.11	66.380		
12,500.00	7,071.39	8,625.00	6,506.76	163.89	30.54	45.93	439.45	318.59	4,752.39	4,682.27	70.12	67.775		
12,600.00	7,071.62	8,625.00	6,506.76	166.69	30.54	45.93	439.45	318.59	4,851.06	4,780.93	70.13	69.169		
12,700.00	7,071.85	8,625.00	6,506.76	169.48	30.54	45.93	439.45	318.59	4,949.78	4,879.63	70.15	70.560		
12,800.00	7,072.08	8,625.00	6,506.76	172.28	30.54	45.93	439.45	318.59	5,048.56	4,978.39	70.17	71.950		
12,900.00	7,072.31	8,582.99	6,465.39	175.08	30.37	43.66	436.20	312.16	5,145.28	5,075.16	70.13	73.373		
13,000.00	7,072.54	8,582.12	6,464.53	177.88	30.37	43.62	436.15	312.06	5,244.07	5,173.92	70.15	74.759		
13,100.00	7,072.77	8,581.28	6,463.70	180.68	30.37	43.58	436.10	311.97	5,342.89	5,272.73	70.17	76.143		
13,200.00	7,073.00	8,580.47	6,462.89	183.48	30.36	43.53	436.06	311.89	5,441.76	5,371.57	70.19	77.525		
13,300.00	7,073.23	8,579.69	6,462.11	186.29	30.36	43.49	436.01	311.81	5,540.67	5,470.45	70.22	78.904		
13,400.00	7,073.46	8,578.92	6,461.36	189.09	30.36	43.45	435.97	311.73	5,639.61	5,569.37	70.25	80.282		
13,500.00	7,073.69	8,578.19	6,460.62	191.90	30.35	43.42	435.93	311.65	5,738.59	5,668.32	70.28	81.656		
13,600.00	7,073.92	8,577.47	6,459.91	194.71	30.35	43.38	435.89	311.58	5,837.61	5,767.30	70.31	83.029		
13,700.00	7,074.15	8,576.78	6,459.23	197.52	30.35	43.34	435.85	311.52	5,936.65	5,866.31	70.34	84.399		
13,800.00	7,074.38	8,576.11	6,458.56	200.34	30.35	43.31	435.82	311.45	6,035.73	5,965.35	70.37	85.766		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,575.46	6,457.91	203.15	30.34	43.28	435.78	311.39	6,134.83	6,064.42	70.41	87.130		
14,000.00	7,074.84	6,574.82	6,457.28	205.97	30.34	43.25	435.75	311.33	6,233.96	6,163.52	70.45	88.492		
14,100.00	7,075.07	6,532.00	6,414.55	208.78	30.17	41.19	434.31	309.27	6,335.19	6,264.74	70.46	89.918		
14,200.00	7,075.30	6,532.00	6,414.55	211.60	30.17	41.19	434.31	309.27	6,434.31	6,363.82	70.50	91.272		
14,300.00	7,075.54	6,532.00	6,414.55	214.42	30.17	41.19	434.31	309.27	6,533.46	6,462.93	70.54	92.624		
14,400.00	7,075.77	6,532.00	6,414.55	217.24	30.17	41.19	434.31	309.27	6,632.64	6,562.06	70.58	93.972		
14,500.00	7,076.00	6,532.00	6,414.55	220.06	30.17	41.19	434.31	309.27	6,731.84	6,661.21	70.62	95.318		
14,600.00	7,076.23	6,532.00	6,414.55	222.88	30.17	41.19	434.31	309.27	6,831.06	6,760.39	70.67	96.661		
14,700.00	7,076.46	6,532.00	6,414.55	225.70	30.17	41.19	434.31	309.27	6,930.31	6,859.59	70.72	98.000		
14,800.00	7,076.69	6,532.00	6,414.55	228.53	30.17	41.19	434.31	309.27	7,029.57	6,958.81	70.77	99.337		
14,900.00	7,076.92	6,532.00	6,414.55	231.35	30.17	41.19	434.31	309.27	7,128.86	7,058.04	70.81	100.670		
15,000.00	7,077.15	6,532.00	6,414.55	234.18	30.17	41.19	434.31	309.27	7,228.17	7,157.30	70.86	102.000		
15,100.00	7,077.38	6,532.00	6,414.55	237.00	30.17	41.19	434.31	309.27	7,327.49	7,256.58	70.92	103.326		
15,200.00	7,077.61	6,532.00	6,414.55	239.83	30.17	41.19	434.31	309.27	7,426.83	7,355.87	70.97	104.650		
15,300.00	7,077.84	6,532.00	6,414.55	242.66	30.17	41.19	434.31	309.27	7,526.20	7,455.17	71.02	105.970		
15,400.00	7,078.07	6,532.00	6,414.55	245.49	30.17	41.19	434.31	309.27	7,625.57	7,554.50	71.08	107.286		
15,500.00	7,078.30	6,532.00	6,414.55	248.31	30.17	41.19	434.31	309.27	7,724.97	7,653.83	71.13	108.599		
15,600.00	7,078.53	6,532.00	6,414.55	251.14	30.17	41.19	434.31	309.27	7,824.38	7,753.19	71.19	109.909		
15,700.00	7,078.76	6,532.00	6,414.55	253.97	30.17	41.19	434.31	309.27	7,923.80	7,852.55	71.25	111.215		
15,800.00	7,078.99	6,532.00	6,414.55	256.80	30.17	41.19	434.31	309.27	8,023.24	7,951.93	71.31	112.517		
15,900.00	7,079.22	6,532.00	6,414.55	259.64	30.17	41.19	434.31	309.27	8,122.69	8,051.32	71.37	113.816		
16,000.00	7,079.45	6,532.00	6,414.55	262.47	30.17	41.19	434.31	309.27	8,222.16	8,150.73	71.43	115.111		
16,100.00	7,079.69	6,532.00	6,414.55	265.30	30.17	41.19	434.31	309.27	8,321.63	8,250.14	71.49	116.402		
16,200.00	7,079.92	6,532.00	6,414.55	268.13	30.17	41.19	434.31	309.27	8,421.13	8,349.57	71.55	117.690		
16,300.00	7,080.15	6,532.00	6,414.55	270.97	30.17	41.19	434.31	309.27	8,520.63	8,449.01	71.62	118.973		
16,400.00	7,080.38	6,532.00	6,414.55	273.80	30.17	41.19	434.31	309.27	8,620.14	8,548.46	71.68	120.253		
16,500.00	7,080.61	6,532.00	6,414.55	276.64	30.17	41.19	434.31	309.27	8,719.67	8,647.92	71.75	121.529		
16,600.00	7,080.84	6,532.00	6,414.55	279.47	30.17	41.19	434.31	309.27	8,819.20	8,747.39	71.82	122.802		
16,700.00	7,081.07	6,532.00	6,414.55	282.31	30.17	41.19	434.31	309.27	8,918.75	8,846.86	71.88	124.070		
16,800.00	7,081.30	6,532.00	6,414.55	285.14	30.17	41.19	434.31	309.27	9,018.31	8,946.35	71.95	125.335		
16,900.00	7,081.53	6,532.00	6,414.55	287.98	30.17	41.19	434.31	309.27	9,117.87	9,045.85	72.02	126.595		
17,000.00	7,081.76	6,532.00	6,414.55	290.82	30.17	41.19	434.31	309.27	9,217.45	9,145.35	72.09	127.852		
17,100.00	7,081.99	6,532.00	6,414.55	293.65	30.17	41.19	434.31	309.27	9,317.03	9,244.87	72.17	129.104		
17,200.00	7,082.22	6,532.00	6,414.55	296.49	30.17	41.19	434.31	309.27	9,416.63	9,344.39	72.24	130.353		
17,300.00	7,082.45	6,532.00	6,414.55	299.33	30.17	41.19	434.31	309.27	9,516.23	9,443.91	72.31	131.598		
17,400.00	7,082.68	6,532.00	6,414.55	302.17	30.17	41.19	434.31	309.27	9,615.84	9,543.45	72.39	132.838		
17,500.00	7,082.91	6,532.00	6,414.55	305.01	30.17	41.19	434.31	309.27	9,715.46	9,642.99	72.46	134.074		
17,600.00	7,083.14	6,532.00	6,414.55	307.85	30.17	41.19	434.31	309.27	9,815.08	9,742.54	72.54	135.307		
17,700.00	7,083.37	6,532.00	6,414.55	310.69	30.17	41.19	434.31	309.27	9,914.72	9,842.10	72.62	136.535		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	140.41	-612.39	506.43	794.74					
100.00	100.00	80.92	80.92	3.28	3.29	140.40	-612.61	506.80	795.12	788.55	6.57	121.023		
200.00	200.00	176.50	176.48	3.34	3.31	140.36	-613.38	508.11	796.60	789.95	6.65	119.763		
300.00	300.00	283.99	283.96	3.44	3.41	140.31	-613.93	509.48	797.81	790.96	6.86	116.364		
400.00	399.98	400.17	400.13	3.60	3.58	140.31	-612.84	510.28	796.31	789.12	7.18	110.858		
500.00	499.84	544.33	544.11	3.80	3.87	140.31	-606.04	509.51	788.73	781.02	7.71	102.342		
600.00	599.45	696.90	695.60	4.04	4.27	140.31	-588.70	505.48	772.17	763.76	8.41	91.803		
700.00	698.70	851.72	847.02	4.31	4.76	140.31	-557.22	500.19	745.72	736.47	9.25	80.624		
800.00	797.47	967.83	958.55	4.62	5.17	140.31	-525.10	496.99	711.89	701.94	9.95	71.568		
900.00	895.62	1,085.05	1,070.01	4.97	5.63	140.31	-489.07	492.92	673.15	662.45	10.70	62.892		
980.89	974.49	1,157.28	1,138.41	5.27	5.94	140.31	-466.10	489.52	638.96	627.73	11.23	56.920		
1,000.00	993.07	1,174.76	1,154.96	5.34	6.01	140.31	-460.57	488.63	630.69	619.33	11.36	55.530		
1,100.00	1,090.26	1,252.29	1,228.85	5.75	6.35	140.31	-437.51	484.23	588.45	576.47	11.98	49.131		
1,200.00	1,187.45	1,360.30	1,331.93	6.17	6.84	140.31	-406.20	476.56	545.97	533.22	12.75	42.808		
1,300.00	1,284.64	1,458.84	1,424.95	6.62	7.32	140.31	-374.47	469.53	501.11	487.60	13.51	37.090		
1,400.00	1,381.83	1,545.14	1,505.82	7.07	7.75	140.31	-344.64	465.31	455.81	441.55	14.26	31.964		
1,500.00	1,479.01	1,618.95	1,575.37	7.54	8.11	140.31	-320.06	462.94	412.39	397.37	15.02	27.454		
1,600.00	1,576.20	1,707.27	1,659.31	8.02	8.55	140.31	-292.64	460.93	371.20	355.37	15.83	23.451		
1,700.00	1,673.39	1,798.76	1,746.01	8.50	9.01	140.31	-263.47	459.75	329.99	313.33	16.65	19.814		
1,800.00	1,770.58	1,890.30	1,832.52	8.99	9.48	140.31	-233.56	459.32	288.69	271.20	17.49	16.504		
1,900.00	1,867.77	1,982.92	1,920.17	9.48	9.95	140.31	-203.65	458.00	247.14	228.81	18.33	13.481		
2,000.00	1,964.96	2,075.34	2,007.59	9.98	10.43	140.31	-173.81	455.27	204.72	185.55	19.17	10.679		
2,100.00	2,062.15	2,165.92	2,093.33	10.49	10.91	140.31	-144.76	451.99	162.07	142.04	20.03	8.092		
2,200.00	2,159.34	2,256.88	2,179.51	10.99	11.39	140.31	-115.95	447.99	119.25	98.38	20.88	5.712		
2,300.00	2,256.53	2,347.87	2,265.78	11.50	11.87	140.31	-87.58	442.47	75.76	54.06	21.71	3.491		
2,400.00	2,353.71	2,437.94	2,351.14	12.01	12.35	140.31	-59.64	435.61	31.42	8.88	22.54	1.394 Level 3		
2,470.07	2,421.82	2,500.62	2,410.43	12.37	12.69	140.31	-39.84	430.94	2.40	-22.25	24.65	0.097 Level 1, CC, ES, SF		
2,500.00	2,450.90	2,527.41	2,435.74	12.53	12.83	140.31	-31.30	429.01	13.58	-9.89	23.48	0.579 Level 1		
2,600.00	2,548.09	2,617.50	2,521.12	13.04	13.32	140.31	-3.39	422.06	57.80	33.46	24.34	2.375		
2,700.00	2,645.28	2,710.34	2,609.62	13.56	13.81	140.31	24.16	416.79	100.02	74.64	25.38	3.942		
2,800.00	2,742.47	2,802.42	2,697.35	14.08	14.30	140.31	52.01	414.57	140.66	114.35	26.31	5.347		
2,900.00	2,839.66	2,892.47	2,783.06	14.60	14.77	140.31	79.55	412.41	181.55	154.38	27.17	6.683		
3,000.00	2,936.85	2,983.13	2,869.26	15.12	15.26	140.31	107.49	409.77	222.92	194.87	28.06	7.946		
3,100.00	3,034.04	3,076.68	2,957.95	15.65	15.76	140.31	137.24	408.92	263.85	234.81	29.03	9.087		
3,200.00	3,131.22	3,168.65	3,045.13	16.17	16.25	140.31	166.55	409.06	304.23	274.26	29.97	10.153		
3,300.00	3,228.41	3,257.02	3,128.88	16.69	16.73	140.31	194.73	408.61	345.04	314.22	30.81	11.197		
3,400.00	3,325.60	3,345.32	3,212.50	17.22	17.20	140.31	223.06	407.20	386.61	354.94	31.67	12.207		
3,500.00	3,422.79	3,439.25	3,301.65	17.75	17.71	140.31	252.54	404.75	428.24	395.59	32.65	13.116		
3,600.00	3,519.98	3,545.54	3,402.99	18.27	18.28	140.31	284.55	404.14	467.73	433.88	33.85	13.817		
3,700.00	3,617.17	3,641.34	3,494.77	18.80	18.77	140.31	312.04	404.41	505.68	470.84	34.83	14.517		
3,800.00	3,714.36	3,735.57	3,585.34	19.33	19.26	140.31	338.02	404.32	542.99	507.21	35.78	15.176		
3,900.00	3,811.55	3,822.80	3,669.02	19.86	19.71	140.31	362.65	404.23	580.81	544.19	36.62	15.861		
4,000.00	3,908.74	3,910.70	3,752.97	20.39	20.18	140.31	388.71	404.66	619.36	581.89	37.48	16.527		
4,100.00	4,005.92	3,996.61	3,834.72	20.92	20.64	140.31	415.10	405.13	658.71	620.40	38.31	17.195		
4,200.00	4,103.11	4,081.91	3,915.61	21.45	21.10	140.31	442.15	405.44	698.91	659.77	39.14	17.858		
4,300.00	4,200.30	4,162.93	3,992.07	21.98	21.54	140.31	468.94	405.71	740.17	700.27	39.90	18.550		
4,400.00	4,297.49	4,244.45	4,068.59	22.51	22.00	140.31	497.08	405.86	782.63	741.95	40.68	19.239		
4,500.00	4,394.68	4,355.20	4,172.78	23.04	22.61	140.31	534.60	405.46	825.01	783.06	41.95	19.665		
4,600.00	4,491.87	4,466.53	4,278.98	23.57	23.21	140.31	567.96	404.37	864.63	821.45	43.18	20.023		
4,700.00	4,589.06	4,564.47	4,372.91	24.10	23.72	140.31	595.70	403.36	903.04	858.85	44.19	20.435		
4,800.00	4,686.25	4,657.81	4,462.74	24.64	24.21	140.31	620.98	402.03	940.72	895.59	45.13	20.845		
4,900.00	4,783.43	4,721.28	4,523.63	25.17	24.54	140.31	638.80	400.15	980.05	934.40	45.64	21.471		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,795.53	4,594.36	25.70	24.95	-131.26	661.13	396.92	1,021.63	975.32	46.31	22.060		
5,100.00	4,977.81	4,887.91	4,682.12	26.23	25.45	-131.39	689.68	392.65	1,064.04	1,016.78	47.26	22.515		
5,200.00	5,075.00	4,966.68	4,757.10	26.77	25.88	-131.53	713.47	388.63	1,106.25	1,058.25	48.00	23.047		
5,300.00	5,172.19	5,045.69	4,831.82	27.30	26.32	-131.64	738.72	383.94	1,150.14	1,101.40	48.75	23.595		
5,400.00	5,269.38	5,160.05	4,940.68	27.83	26.94	-131.91	772.87	376.17	1,193.00	1,142.97	50.03	23.847		
5,457.75	5,325.51	5,222.09	5,000.09	28.14	27.27	-132.10	790.15	371.62	1,217.10	1,166.40	50.69	24.010		
5,500.00	5,366.64	5,265.33	5,041.48	28.37	27.50	-132.46	802.42	369.12	1,234.33	1,183.18	51.14	24.134		
5,600.00	5,464.53	5,381.88	5,153.26	28.87	28.12	-133.13	834.93	363.64	1,272.58	1,220.20	52.38	24.295		
5,700.00	5,563.07	5,524.87	5,292.14	29.35	28.83	-133.84	867.51	354.31	1,305.85	1,252.00	53.84	24.252		
5,800.00	5,662.15	5,669.84	5,434.38	29.80	29.51	-134.45	893.95	345.15	1,333.24	1,278.04	55.20	24.152		
5,900.00	5,761.64	5,799.45	5,561.88	30.23	30.10	-134.64	916.98	341.94	1,355.61	1,299.26	56.35	24.058		
6,000.00	5,861.42	5,935.21	5,696.09	30.64	30.71	-134.66	937.38	340.41	1,372.47	1,314.99	57.48	23.877		
6,100.00	5,961.36	6,032.48	5,792.40	31.02	31.13	-134.60	950.93	339.81	1,385.85	1,327.55	58.29	23.774		
6,138.64	6,000.00	6,070.49	5,830.07	31.16	31.29	-39.05	956.04	339.22	1,390.44	1,331.84	58.60	23.726		
6,200.00	6,061.36	6,131.87	5,890.85	31.38	31.56	-38.85	964.56	338.64	1,397.45	1,338.35	59.10	23.644		
6,300.00	6,161.36	6,297.44	6,055.24	31.74	32.26	-38.35	984.14	338.44	1,406.96	1,346.65	60.31	23.330		
6,400.00	6,261.36	7,900.89	7,072.49	32.10	40.84	2.56	1,028.78	1,260.78	1,410.87	1,356.04	54.83	25.731		
6,500.00	6,361.36	7,897.28	7,072.63	32.46	40.78	2.38	1,028.84	1,257.17	1,355.03	1,297.26	57.77	23.454		
6,562.02	6,423.38	7,894.92	7,072.73	32.68	40.75	2.27	1,028.88	1,254.82	1,323.01	1,263.39	59.63	22.188		
6,600.00	6,461.34	7,892.38	7,072.84	32.82	40.71	94.34	1,028.91	1,252.28	1,304.52	1,243.78	60.74	21.476		
6,650.00	6,511.08	7,885.66	7,073.13	32.99	40.61	96.31	1,029.01	1,245.57	1,281.72	1,219.57	62.15	20.624		
6,700.00	6,560.29	7,875.00	7,073.63	33.17	40.45	97.85	1,029.16	1,234.92	1,260.81	1,197.34	63.46	19.867		
6,750.00	6,608.64	7,860.28	7,074.38	33.36	40.23	98.98	1,029.33	1,220.22	1,241.92	1,177.25	64.68	19.202		
6,800.00	6,655.86	7,841.40	7,075.45	33.56	39.96	99.71	1,029.52	1,201.38	1,225.13	1,159.36	65.77	18.627		
6,850.00	6,701.64	7,818.34	7,076.90	33.78	39.63	100.08	1,029.69	1,178.36	1,210.45	1,143.71	66.74	18.137		
6,900.00	6,745.71	7,792.74	7,078.18	34.01	39.29	100.17	1,029.99	1,152.80	1,197.83	1,130.20	67.63	17.711		
6,950.00	6,787.79	7,765.65	7,078.97	34.27	38.93	100.04	1,030.50	1,125.72	1,187.27	1,118.82	68.44	17.346		
7,000.00	6,827.62	7,737.27	7,079.16	34.56	38.56	99.71	1,031.23	1,097.35	1,178.72	1,109.55	69.18	17.040		
7,050.00	6,864.96	7,577.99	7,056.20	34.87	36.88	93.93	1,031.20	940.29	1,170.01	1,101.44	68.57	17.063		
7,100.00	6,899.58	7,543.00	7,045.75	35.21	36.59	93.13	1,030.03	906.92	1,161.90	1,092.66	69.24	16.781		
7,150.00	6,931.26	7,519.04	7,037.48	35.60	36.42	92.67	1,029.32	884.45	1,155.54	1,085.55	69.98	16.511		
7,200.00	6,959.81	7,502.26	7,031.10	36.02	36.31	92.36	1,029.06	868.93	1,151.16	1,080.43	70.73	16.275		
7,250.00	6,985.06	7,485.07	7,024.08	36.47	36.21	91.89	1,029.01	853.25	1,148.69	1,077.24	71.44	16.079		
7,292.20	7,003.67	7,470.31	7,017.65	36.90	36.13	91.37	1,029.13	839.95	1,148.04	1,076.03	72.02	15.941		
7,300.00	7,006.84	7,467.56	7,016.41	36.97	36.11	91.26	1,029.18	837.50	1,148.06	1,075.95	72.12	15.919		
7,350.00	7,025.02	7,450.00	7,008.23	37.51	36.02	90.49	1,029.56	821.97	1,149.21	1,076.45	72.77	15.793		
7,400.00	7,039.49	7,423.69	6,995.27	38.09	35.90	89.30	1,030.40	799.09	1,151.92	1,078.56	73.36	15.703		
7,450.00	7,050.17	7,397.11	6,981.56	38.70	35.79	88.03	1,031.41	776.34	1,155.93	1,082.01	73.92	15.638		
7,500.00	7,056.98	7,370.00	6,966.94	39.33	35.69	86.69	1,032.63	753.54	1,161.09	1,086.64	74.45	15.595		
7,550.00	7,059.89	7,329.90	6,944.23	39.99	35.56	84.95	1,034.56	720.56	1,167.13	1,092.24	74.89	15.584		
7,560.55	7,060.00	7,318.68	6,937.68	40.13	35.52	84.51	1,035.02	711.46	1,168.43	1,093.46	74.97	15.586		
7,600.00	7,060.09	7,277.70	6,913.10	40.67	35.41	83.31	1,036.36	678.70	1,173.37	1,098.13	75.24	15.595		
7,700.00	7,060.32	7,154.14	6,834.06	42.14	35.12	79.47	1,036.28	583.77	1,186.24	1,110.45	75.78	15.653		
7,800.00	7,060.55	7,072.00	6,777.73	43.75	34.93	76.76	1,033.01	524.10	1,200.82	1,124.21	76.62	15.673		
7,900.00	7,060.78	7,025.64	6,744.03	45.48	34.82	75.15	1,030.64	492.36	1,219.76	1,142.00	77.76	15.686		
8,000.00	7,061.01	6,979.00	6,708.33	47.33	34.70	73.47	1,028.38	462.45	1,244.21	1,165.40	78.81	15.788		
8,100.00	7,061.24	6,953.37	6,687.87	49.27	34.63	72.52	1,027.17	447.05	1,274.21	1,194.22	79.99	15.929		
8,200.00	7,061.47	6,926.19	6,665.45	51.29	34.55	71.49	1,025.90	431.76	1,309.90	1,228.87	81.03	16.166		
8,300.00	7,061.70	6,885.00	6,630.10	53.40	34.44	69.89	1,024.00	410.70	1,351.30	1,269.53	81.77	16.525		
8,400.00	7,061.93	6,885.00	6,630.10	55.57	34.44	69.89	1,024.00	410.70	1,397.34	1,314.52	82.82	16.871		
8,500.00	7,062.16	6,854.04	6,602.58	57.80	34.33	68.65	1,022.24	396.65	1,448.24	1,364.83	83.41	17.363		
8,600.00	7,062.39	6,832.27	6,582.79	60.08	34.26	67.77	1,020.58	387.74	1,503.41	1,419.45	83.96	17.907		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	6,814.02	6,565.95	62.42	34.20	67.02	1,018.92	380.90	1,562.53	1,478.11	84.42	18.509		
8,800.00	7,062.86	6,790.00	6,543.49	64.79	34.12	66.02	1,016.38	372.78	1,625.34	1,540.62	84.71	19.186		
8,900.00	7,063.09	6,790.00	6,543.49	67.20	34.12	66.02	1,016.38	372.78	1,691.37	1,606.20	85.17	19.859		
9,000.00	7,063.32	6,790.00	6,543.49	69.65	34.12	66.02	1,016.38	372.78	1,760.60	1,675.07	85.53	20.585		
9,100.00	7,063.55	6,790.00	6,543.49	72.12	34.12	66.02	1,016.38	372.78	1,832.68	1,746.87	85.81	21.358		
9,200.00	7,063.78	6,790.00	6,543.49	74.63	34.12	66.02	1,016.38	372.78	1,907.28	1,821.26	86.02	22.172		
9,300.00	7,064.01	6,790.00	6,543.49	77.16	34.12	66.02	1,016.38	372.78	1,984.12	1,897.94	86.18	23.023		
9,400.00	7,064.24	6,790.00	6,543.49	79.71	34.12	66.02	1,016.38	372.78	2,062.94	1,976.65	86.29	23.907		
9,500.00	7,064.47	6,749.66	6,505.01	82.28	33.98	64.34	1,012.21	361.45	2,141.64	2,055.54	86.10	24.874		
9,600.00	7,064.70	6,744.93	6,500.44	84.87	33.96	64.14	1,011.78	360.31	2,223.34	2,137.21	86.13	25.813		
9,700.00	7,064.93	6,740.53	6,496.18	87.47	33.94	63.96	1,011.39	359.28	2,306.44	2,220.30	86.14	26.775		
9,800.00	7,065.16	6,736.41	6,492.18	90.09	33.93	63.79	1,011.03	358.35	2,390.79	2,304.66	86.14	27.756		
9,900.00	7,065.39	6,732.55	6,488.43	92.73	33.92	63.63	1,010.71	357.51	2,476.28	2,390.16	86.12	28.755		
10,000.00	7,065.62	6,695.00	6,451.61	95.38	33.78	62.10	1,007.98	350.72	2,564.10	2,478.20	85.89	29.852		
10,100.00	7,065.85	6,695.00	6,451.61	98.04	33.78	62.10	1,007.98	350.72	2,651.27	2,565.38	85.88	30.870		
10,200.00	7,066.08	6,695.00	6,451.61	100.71	33.78	62.10	1,007.98	350.72	2,739.31	2,653.45	85.87	31.902		
10,300.00	7,066.31	6,695.00	6,451.61	103.39	33.78	62.10	1,007.98	350.72	2,828.16	2,742.31	85.84	32.947		
10,400.00	7,066.54	6,695.00	6,451.61	106.08	33.78	62.10	1,007.98	350.72	2,917.72	2,831.91	85.81	34.003		
10,500.00	7,066.77	6,695.00	6,451.61	108.78	33.78	62.10	1,007.98	350.72	3,007.94	2,922.17	85.77	35.069		
10,600.00	7,067.01	6,695.00	6,451.61	111.48	33.78	62.10	1,007.98	350.72	3,098.76	3,013.03	85.73	36.145		
10,700.00	7,067.24	6,695.00	6,451.61	114.20	33.78	62.10	1,007.98	350.72	3,190.13	3,104.44	85.69	37.229		
10,800.00	7,067.47	6,695.00	6,451.61	116.92	33.78	62.10	1,007.98	350.72	3,282.01	3,196.36	85.65	38.321		
10,900.00	7,067.70	6,695.00	6,451.61	119.65	33.78	62.10	1,007.98	350.72	3,374.34	3,288.74	85.60	39.420		
11,000.00	7,067.93	6,695.00	6,451.61	122.38	33.78	62.10	1,007.98	350.72	3,467.10	3,381.55	85.56	40.525		
11,100.00	7,068.16	6,695.00	6,451.61	125.12	33.78	62.10	1,007.98	350.72	3,560.26	3,474.75	85.51	41.635		
11,200.00	7,068.39	6,695.00	6,451.61	127.86	33.78	62.10	1,007.98	350.72	3,653.77	3,568.31	85.47	42.751		
11,300.00	7,068.62	6,695.00	6,451.61	130.61	33.78	62.10	1,007.98	350.72	3,747.62	3,662.20	85.42	43.871		
11,400.00	7,068.85	6,695.00	6,451.61	133.37	33.78	62.10	1,007.98	350.72	3,841.78	3,756.40	85.38	44.996		
11,500.00	7,069.08	6,695.00	6,451.61	136.12	33.78	62.10	1,007.98	350.72	3,936.23	3,850.89	85.34	46.124		
11,600.00	7,069.31	6,695.00	6,451.61	138.89	33.78	62.10	1,007.98	350.72	4,030.95	3,945.65	85.30	47.256		
11,700.00	7,069.54	6,695.00	6,451.61	141.65	33.78	62.10	1,007.98	350.72	4,125.91	4,040.65	85.26	48.391		
11,800.00	7,069.77	6,695.00	6,451.61	144.42	33.78	62.10	1,007.98	350.72	4,221.11	4,135.89	85.23	49.529		
11,900.00	7,070.00	6,695.00	6,451.61	147.19	33.78	62.10	1,007.98	350.72	4,316.53	4,231.34	85.19	50.669		
12,000.00	7,070.23	6,695.00	6,451.61	149.97	33.78	62.10	1,007.98	350.72	4,412.15	4,326.99	85.16	51.811		
12,100.00	7,070.46	6,695.00	6,451.61	152.75	33.78	62.10	1,007.98	350.72	4,507.95	4,422.83	85.13	52.955		
12,200.00	7,070.69	6,695.00	6,451.61	155.53	33.78	62.10	1,007.98	350.72	4,603.94	4,518.84	85.10	54.101		
12,300.00	7,070.92	6,695.00	6,451.61	158.32	33.78	62.10	1,007.98	350.72	4,700.09	4,615.02	85.07	55.248		
12,400.00	7,071.16	6,695.00	6,451.61	161.10	33.78	62.10	1,007.98	350.72	4,796.41	4,711.36	85.05	56.397		
12,500.00	7,071.39	6,695.00	6,451.61	163.89	33.78	62.10	1,007.98	350.72	4,892.87	4,807.84	85.02	57.546		
12,600.00	7,071.62	6,695.00	6,451.61	166.69	33.78	62.10	1,007.98	350.72	4,989.46	4,904.46	85.00	58.697		
12,700.00	7,071.85	6,695.00	6,451.61	169.48	33.78	62.10	1,007.98	350.72	5,086.19	5,001.21	84.99	59.848		
12,800.00	7,072.08	6,695.00	6,451.61	172.28	33.78	62.10	1,007.98	350.72	5,183.05	5,098.08	84.97	61.000		
12,900.00	7,072.31	6,695.00	6,451.61	175.08	33.78	62.10	1,007.98	350.72	5,280.02	5,195.07	84.95	62.152		
13,000.00	7,072.54	6,695.00	6,451.61	177.88	33.78	62.10	1,007.98	350.72	5,377.10	5,292.16	84.94	63.305		
13,100.00	7,072.77	6,695.00	6,451.61	180.68	33.78	62.10	1,007.98	350.72	5,474.29	5,389.36	84.93	64.457		
13,200.00	7,073.00	6,695.00	6,451.61	183.48	33.78	62.10	1,007.98	350.72	5,571.58	5,486.66	84.92	65.610		
13,300.00	7,073.23	6,695.00	6,451.61	186.29	33.78	62.10	1,007.98	350.72	5,668.96	5,584.05	84.91	66.763		
13,400.00	7,073.46	6,695.00	6,451.61	189.09	33.78	62.10	1,007.98	350.72	5,766.43	5,681.52	84.91	67.915		
13,500.00	7,073.69	6,695.00	6,451.61	191.90	33.78	62.10	1,007.98	350.72	5,863.99	5,779.09	84.90	69.068		
13,600.00	7,073.92	6,695.00	6,451.61	194.71	33.78	62.10	1,007.98	350.72	5,961.62	5,876.72	84.90	70.219		
13,700.00	7,074.15	6,695.00	6,451.61	197.52	33.78	62.10	1,007.98	350.72	6,059.34	5,974.44	84.90	71.371		
13,800.00	7,074.38	6,695.00	6,451.61	200.34	33.78	62.10	1,007.98	350.72	6,157.13	6,072.23	84.90	72.521		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,695.00	6,451.61	203.15	33.78	62.10	1,007.98	350.72	6,254.98	6,170.08	84.90	73.671		
14,000.00	7,074.84	6,695.00	6,451.61	205.97	33.78	62.10	1,007.98	350.72	6,352.91	6,268.00	84.91	74.821		
14,100.00	7,075.07	6,695.00	6,451.61	208.78	33.78	62.10	1,007.98	350.72	6,450.90	6,365.98	84.91	75.969		
14,200.00	7,075.30	6,695.00	6,451.61	211.60	33.78	62.10	1,007.98	350.72	6,548.95	6,464.02	84.92	77.117		
14,300.00	7,075.54	6,695.00	6,451.61	214.42	33.78	62.10	1,007.98	350.72	6,647.05	6,562.12	84.93	78.263		
14,400.00	7,075.77	6,695.00	6,451.61	217.24	33.78	62.10	1,007.98	350.72	6,745.22	6,660.27	84.94	79.409		
14,500.00	7,076.00	6,695.00	6,451.61	220.06	33.78	62.10	1,007.98	350.72	6,843.43	6,758.48	84.96	80.553		
14,600.00	7,076.23	6,695.00	6,451.61	222.88	33.78	62.10	1,007.98	350.72	6,941.70	6,856.73	84.97	81.697		
14,700.00	7,076.46	6,695.00	6,451.61	225.70	33.78	62.10	1,007.98	350.72	7,040.01	6,955.03	84.98	82.839		
14,800.00	7,076.69	6,695.00	6,451.61	228.53	33.78	62.10	1,007.98	350.72	7,138.38	7,053.38	85.00	83.979		
14,900.00	7,076.92	6,652.50	6,409.47	231.35	33.62	60.40	1,005.61	345.82	7,235.29	7,150.34	84.94	85.178		
15,000.00	7,077.15	6,651.83	6,408.80	234.18	33.62	60.38	1,005.58	345.76	7,333.69	7,248.73	84.96	86.318		
15,100.00	7,077.38	6,651.18	6,408.14	237.00	33.62	60.35	1,005.55	345.71	7,432.14	7,347.15	84.98	87.455		
15,200.00	7,077.61	6,650.53	6,407.51	239.83	33.62	60.32	1,005.52	345.66	7,530.62	7,445.62	85.00	88.592		
15,300.00	7,077.84	6,649.91	6,406.88	242.66	33.61	60.30	1,005.49	345.61	7,629.15	7,544.12	85.03	89.726		
15,400.00	7,078.07	6,649.30	6,406.28	245.49	33.61	60.28	1,005.46	345.56	7,727.71	7,642.66	85.05	90.860		
15,500.00	7,078.30	6,648.70	6,405.68	248.31	33.61	60.25	1,005.43	345.51	7,826.31	7,741.23	85.08	91.991		
15,600.00	7,078.53	6,648.12	6,405.10	251.14	33.61	60.23	1,005.40	345.47	7,924.94	7,839.84	85.10	93.121		
15,700.00	7,078.76	6,647.55	6,404.53	253.97	33.61	60.21	1,005.37	345.42	8,023.61	7,938.48	85.13	94.249		
15,800.00	7,078.99	6,646.99	6,403.98	256.80	33.60	60.19	1,005.35	345.38	8,122.31	8,037.15	85.16	95.375		
15,900.00	7,079.22	6,646.45	6,403.44	259.64	33.60	60.16	1,005.32	345.34	8,221.04	8,135.84	85.19	96.499		
16,000.00	7,079.45	6,645.91	6,402.91	262.47	33.60	60.14	1,005.30	345.30	8,319.80	8,234.57	85.22	97.622		
16,100.00	7,079.69	6,645.39	6,402.39	265.30	33.60	60.12	1,005.27	345.26	8,418.58	8,333.33	85.26	98.743		
16,200.00	7,079.92	6,644.88	6,401.88	268.13	33.60	60.10	1,005.25	345.22	8,517.40	8,432.11	85.29	99.861		
16,300.00	7,080.15	6,644.38	6,401.38	270.97	33.59	60.08	1,005.22	345.19	8,616.24	8,530.91	85.33	100.978		
16,400.00	7,080.38	6,601.00	6,358.07	273.80	33.43	58.42	1,003.49	343.48	8,716.61	8,631.32	85.30	102.191		
16,500.00	7,080.61	6,601.00	6,358.07	276.64	33.43	58.42	1,003.49	343.48	8,815.47	8,730.14	85.34	103.303		
16,600.00	7,080.84	6,601.00	6,358.07	279.47	33.43	58.42	1,003.49	343.48	8,914.36	8,828.98	85.38	104.413		
16,700.00	7,081.07	6,601.00	6,358.07	282.31	33.43	58.42	1,003.49	343.48	9,013.27	8,927.85	85.42	105.520		
16,800.00	7,081.30	6,601.00	6,358.07	285.14	33.43	58.42	1,003.49	343.48	9,112.20	9,026.74	85.46	106.626		
16,900.00	7,081.53	6,601.00	6,358.07	287.98	33.43	58.42	1,003.49	343.48	9,211.16	9,125.66	85.50	107.729		
17,000.00	7,081.76	6,601.00	6,358.07	290.82	33.43	58.42	1,003.49	343.48	9,310.14	9,224.59	85.55	108.831		
17,100.00	7,081.99	6,601.00	6,358.07	293.65	33.43	58.42	1,003.49	343.48	9,409.14	9,323.54	85.59	109.930		
17,200.00	7,082.22	6,601.00	6,358.07	296.49	33.43	58.42	1,003.49	343.48	9,508.16	9,422.52	85.64	111.027		
17,300.00	7,082.45	6,601.00	6,358.07	299.33	33.43	58.42	1,003.49	343.48	9,607.20	9,521.51	85.69	112.122		
17,400.00	7,082.68	6,601.00	6,358.07	302.17	33.43	58.42	1,003.49	343.48	9,706.26	9,620.53	85.73	113.214		
17,500.00	7,082.91	6,601.00	6,358.07	305.01	33.43	58.42	1,003.49	343.48	9,805.34	9,719.56	85.78	114.304		
17,600.00	7,083.14	6,601.00	6,358.07	307.85	33.43	58.42	1,003.49	343.48	9,904.44	9,818.61	85.83	115.392		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	141.31	-632.42	506.43	810.28					
100.00	100.00	97.23	97.23	3.28	3.29	141.30	-631.96	506.21	809.75	803.18	6.57	123.209		
200.00	200.00	206.45	206.44	3.34	3.31	141.28	-630.35	505.45	808.16	801.51	6.65	121.524		
300.00	300.00	315.62	315.56	3.44	3.35	141.22	-627.59	504.14	805.44	798.63	6.80	118.415		
400.00	399.98	424.63	424.48	3.60	3.41	45.81	-623.67	502.29	800.35	793.33	7.02	114.019		
500.00	499.84	548.95	548.55	3.80	3.60	46.11	-616.35	499.69	790.84	783.42	7.42	106.620		
600.00	599.45	666.61	665.62	4.04	3.84	46.45	-604.76	497.84	776.14	768.22	7.92	98.023		
700.00	698.70	789.34	787.14	4.31	4.16	46.83	-587.72	496.77	756.40	747.87	8.53	88.691		
800.00	797.47	916.39	911.99	4.62	4.55	47.30	-564.29	495.45	730.68	721.44	9.24	79.097		
900.00	895.62	1,039.66	1,031.92	4.97	4.97	47.97	-535.96	492.73	698.43	688.43	10.00	69.849		
980.89	974.49	1,120.63	1,110.32	5.27	5.27	48.75	-515.91	489.76	669.00	658.46	10.55	63.426		
1,000.00	993.07	1,137.72	1,126.87	5.34	5.33	48.85	-511.70	489.06	661.86	651.19	10.68	61.997		
1,100.00	1,090.26	1,235.89	1,221.97	5.75	5.72	49.48	-487.78	484.63	624.52	613.14	11.38	54.855		
1,200.00	1,187.45	1,348.12	1,330.15	6.17	6.20	50.37	-458.74	477.56	585.09	572.92	12.17	48.065		
1,300.00	1,284.64	1,444.27	1,421.98	6.62	6.63	51.08	-430.99	471.29	543.29	530.37	12.92	42.037		
1,400.00	1,381.83	1,541.03	1,513.99	7.07	7.08	51.68	-401.52	466.07	500.96	487.26	13.70	36.576		
1,500.00	1,479.01	1,621.31	1,590.30	7.54	7.46	52.24	-376.92	461.96	458.70	444.24	14.46	31.720		
1,600.00	1,576.20	1,703.22	1,668.70	8.02	7.85	52.85	-353.34	459.35	418.90	403.64	15.26	27.452		
1,700.00	1,673.39	1,790.89	1,753.05	8.50	8.27	53.77	-329.61	456.57	380.58	364.49	16.08	23.661		
1,800.00	1,770.58	1,881.91	1,841.03	8.99	8.70	55.24	-306.62	452.65	343.26	326.33	16.93	20.276		
1,900.00	1,867.77	1,977.84	1,933.67	9.48	9.16	57.22	-282.13	448.10	305.78	288.00	17.78	17.199		
2,000.00	1,964.96	2,073.32	2,025.42	9.98	9.63	59.58	-256.13	443.54	267.22	248.58	18.64	14.339		
2,100.00	2,062.15	2,164.45	2,112.82	10.49	10.08	62.49	-230.64	439.27	228.54	209.01	19.53	11.700		
2,200.00	2,159.34	2,258.09	2,202.61	10.99	10.55	66.32	-204.28	435.99	190.84	170.41	20.43	9.341		
2,300.00	2,256.53	2,350.51	2,290.61	11.50	11.03	71.55	-176.22	433.05	152.24	130.87	21.37	7.123		
2,400.00	2,353.71	2,440.46	2,376.63	12.01	11.49	80.24	-150.12	429.58	116.63	94.17	22.46	5.192		
2,500.00	2,450.90	2,531.26	2,463.52	12.53	11.95	94.94	-123.94	426.67	85.74	62.03	23.71	3.617		
2,600.00	2,548.09	2,622.78	2,551.54	13.04	12.41	119.84	-99.08	423.47	67.17	42.13	25.04	2.683		
2,651.99	2,598.62	2,671.74	2,598.58	13.31	12.66	136.22	-85.58	422.46	64.50	38.97	25.53	2.526 CC, ES, SF		
2,700.00	2,645.28	2,716.02	2,641.06	13.56	12.89	151.08	-73.07	421.81	67.06	41.25	25.81	2.598		
2,800.00	2,742.47	2,808.04	2,729.08	14.08	13.36	176.05	-46.29	419.97	86.59	60.41	26.18	3.307		
2,900.00	2,839.66	2,899.72	2,816.29	14.60	13.84	-168.33	-18.04	418.78	116.61	89.87	26.74	4.361		
3,000.00	2,936.85	2,990.72	2,902.82	15.12	14.32	-159.24	10.08	417.26	151.91	124.44	27.47	5.530		
3,100.00	3,034.04	3,084.16	2,992.03	15.65	14.81	-153.80	37.81	415.38	189.06	160.70	28.36	6.666		
3,200.00	3,131.22	3,178.04	3,082.42	16.17	15.29	-150.75	63.09	413.51	225.67	196.38	29.29	7.705		
3,300.00	3,228.41	3,266.89	3,167.66	16.69	15.75	-148.45	88.09	411.72	263.38	233.28	30.09	8.752		
3,400.00	3,325.60	3,359.00	3,255.68	17.22	16.23	-146.49	115.16	409.52	302.40	271.40	31.00	9.755		
3,500.00	3,422.79	3,455.31	3,348.48	17.75	16.72	-145.34	140.74	407.03	340.05	308.05	32.00	10.628		
3,600.00	3,519.98	3,540.99	3,431.21	18.27	17.16	-144.76	162.75	403.46	378.41	345.65	32.76	11.552		
3,700.00	3,617.17	3,625.60	3,512.44	18.80	17.60	-144.23	185.95	398.73	418.85	385.35	33.50	12.502		
3,800.00	3,714.36	3,722.62	3,605.58	19.33	18.11	-143.71	212.55	393.37	459.29	424.77	34.53	13.303		
3,900.00	3,811.55	3,818.50	3,697.96	19.86	18.60	-143.32	237.87	388.98	498.45	462.94	35.51	14.036		
4,000.00	3,908.74	3,902.22	3,778.33	20.39	19.04	-142.88	261.06	385.66	538.04	501.77	36.27	14.834		
4,100.00	4,005.92	3,976.00	3,848.27	20.92	19.44	-142.29	284.37	382.91	579.98	543.13	36.84	15.743		
4,200.00	4,103.11	4,050.24	3,917.72	21.45	19.86	-141.56	310.42	379.89	624.48	587.04	37.43	16.682		
4,300.00	4,200.30	4,136.42	3,997.80	21.98	20.36	-140.76	342.02	375.80	670.55	632.25	38.29	17.510		
4,400.00	4,297.49	4,227.93	4,083.18	22.51	20.88	-140.13	374.56	370.82	716.45	677.18	39.27	18.245		
4,500.00	4,394.68	4,366.52	4,214.46	23.04	21.64	-139.65	418.22	363.49	759.78	718.71	41.07	18.500		
4,600.00	4,491.87	4,472.13	4,316.36	23.57	22.19	-139.62	445.58	358.91	798.52	756.33	42.19	18.925		
4,700.00	4,589.06	4,562.20	4,403.39	24.10	22.65	-139.63	468.41	355.01	836.93	793.85	43.07	19.431		
4,800.00	4,686.25	4,654.27	4,492.26	24.64	23.12	-139.59	492.22	351.33	875.45	831.46	43.99	19.903		
4,900.00	4,783.43	4,750.34	4,584.71	25.17	23.62	-139.45	518.19	348.71	913.92	868.96	44.96	20.327		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,849.06	4,680.17	25.70	24.12	-139.41	543.15	345.58	951.50	905.53	45.97	20.700		
5,100.00	4,977.81	4,933.97	4,762.23	26.23	24.56	-139.38	564.79	342.62	989.42	942.64	46.78	21.152		
5,200.00	5,075.00	5,021.17	4,846.34	26.77	25.01	-139.35	587.54	339.32	1,027.96	980.34	47.62	21.585		
5,300.00	5,172.19	5,111.75	4,933.71	27.30	25.48	-139.33	611.11	335.54	1,066.71	1,018.19	48.52	21.985		
5,400.00	5,269.38	5,197.57	5,016.23	27.83	25.93	-139.25	634.49	332.41	1,105.93	1,056.58	49.36	22.408		
5,457.75	5,325.51	5,266.30	5,082.35	28.14	26.28	-139.18	653.14	330.31	1,128.32	1,078.21	50.10	22.520		
5,500.00	5,366.64	5,500.00	5,159.02	28.37	27.44	-139.39	671.41	328.54	1,142.71	1,090.98	51.73	22.092		
5,600.00	5,464.53	5,524.88	5,336.12	28.87	27.49	-140.01	701.25	325.93	1,170.16	1,117.47	52.69	22.209		
5,700.00	5,563.07	5,674.33	5,484.73	29.35	28.12	-140.59	716.86	324.38	1,191.39	1,137.49	53.90	22.103		
5,800.00	5,662.15	5,795.43	5,605.58	29.80	28.59	-141.01	724.53	324.72	1,206.02	1,151.16	54.85	21.987		
5,900.00	5,761.64	5,882.00	5,692.02	30.23	28.93	-141.28	729.26	324.32	1,218.00	1,162.40	55.60	21.906		
6,000.00	5,861.42	5,975.35	5,785.17	30.64	29.30	-141.43	735.19	322.96	1,228.58	1,172.20	56.37	21.794		
6,100.00	5,961.36	6,108.93	5,918.58	31.02	29.81	-141.46	741.56	321.53	1,235.13	1,177.80	57.33	21.543		
6,138.64	6,000.00	6,152.21	5,961.83	31.16	29.98	-45.92	743.16	321.70	1,236.21	1,178.56	57.65	21.442		
6,200.00	6,061.36	6,214.55	6,024.15	31.38	30.21	-45.86	745.05	321.66	1,237.53	1,179.41	58.12	21.291		
6,300.00	6,161.36	6,330.19	6,139.77	31.74	30.64	-45.81	746.89	321.14	1,238.96	1,180.02	58.94	21.020		
6,400.00	6,261.36	6,435.49	6,245.07	32.10	31.02	-45.82	747.25	320.60	1,239.57	1,179.86	59.71	20.759		
6,500.00	6,361.36	7,902.28	7,140.06	32.46	39.09	-1.28	761.52	1,189.92	1,181.19	1,131.66	49.53	23.850		
6,562.02	6,423.38	7,902.55	7,140.06	32.68	39.10	-1.26	761.53	1,190.19	1,140.66	1,089.03	51.64	22.091		
6,600.00	6,461.34	7,901.55	7,140.06	32.82	39.08	91.73	761.51	1,189.19	1,116.81	1,063.87	52.95	21.093		
6,650.00	6,511.08	7,896.74	7,140.04	32.99	39.01	94.81	761.42	1,184.37	1,086.73	1,032.08	54.66	19.883		
6,700.00	6,560.29	7,887.99	7,139.99	33.17	38.88	97.33	761.26	1,175.63	1,058.39	1,002.06	56.33	18.789		
6,750.00	6,608.64	7,875.42	7,139.92	33.36	38.68	99.32	761.04	1,163.06	1,032.00	974.05	57.95	17.809		
6,800.00	6,655.86	7,860.79	7,139.83	33.56	38.47	100.91	760.78	1,148.44	1,007.77	948.25	59.52	16.931		
6,850.00	6,701.64	7,844.97	7,139.76	33.78	38.25	102.15	760.55	1,132.62	985.88	924.83	61.05	16.148		
6,900.00	6,745.71	7,826.18	7,139.70	34.01	38.00	102.97	760.36	1,113.82	966.46	903.98	62.48	15.468		
6,950.00	6,787.79	7,804.50	7,139.69	34.27	37.70	103.41	760.23	1,092.15	949.58	885.78	63.79	14.885		
7,000.00	6,827.62	7,780.07	7,139.74	34.56	37.37	103.52	760.22	1,067.72	935.23	870.25	64.98	14.393		
7,050.00	6,864.96	7,739.41	7,139.71	34.87	36.86	102.73	760.26	1,027.06	923.20	857.31	65.88	14.013		
7,100.00	6,899.58	7,697.98	7,138.92	35.21	36.39	101.83	760.10	985.64	912.93	846.21	66.72	13.683		
7,150.00	6,931.26	7,660.57	7,136.83	35.60	35.98	100.98	760.26	948.29	904.59	837.03	67.56	13.390		
7,200.00	6,959.81	7,620.03	7,132.97	36.02	35.57	99.90	760.81	907.94	898.13	829.83	68.30	13.149		
7,250.00	6,985.06	7,548.30	7,120.42	36.47	34.96	97.43	761.37	837.36	892.58	823.78	68.80	12.973		
7,300.00	7,006.84	7,507.37	7,109.67	36.97	34.67	96.12	761.34	797.88	887.83	818.28	69.55	12.766		
7,350.00	7,025.02	7,476.05	7,099.65	37.51	34.49	95.08	761.75	768.21	884.90	814.57	70.33	12.583		
7,398.33	7,039.07	7,456.27	7,092.57	38.07	34.38	94.37	762.08	749.74	883.71	812.66	71.06	12.436		
7,400.00	7,039.49	7,454.18	7,091.77	38.09	34.37	94.29	762.17	747.81	883.72	812.64	71.08	12.433		
7,450.00	7,050.17	7,393.77	7,066.28	38.70	34.13	91.88	764.16	693.10	884.03	812.35	71.68	12.333		
7,500.00	7,056.98	7,336.28	7,037.62	39.33	33.95	89.54	764.93	643.29	884.68	812.46	72.22	12.249		
7,550.00	7,059.89	7,276.22	7,002.73	39.99	33.78	87.03	764.30	594.45	885.48	812.76	72.73	12.176		
7,560.55	7,060.00	7,264.36	6,995.23	40.13	33.75	86.52	763.98	585.27	885.67	812.84	72.82	12.162		
7,600.00	7,060.09	7,233.46	6,974.83	40.67	33.67	85.20	762.92	562.08	886.65	813.38	73.27	12.100		
7,700.00	7,060.32	7,177.32	6,935.37	42.14	33.52	82.65	761.22	522.21	893.54	819.01	74.54	11.988		
7,800.00	7,060.55	7,123.90	6,895.15	43.75	33.37	80.07	759.88	487.09	907.40	831.69	75.71	11.986		
7,900.00	7,060.78	7,075.47	6,856.48	45.48	33.23	77.63	758.36	458.00	928.31	851.56	76.75	12.096		
8,000.00	7,061.01	7,032.28	6,820.41	47.33	33.10	75.38	756.71	434.29	956.55	878.92	77.63	12.323		
8,100.00	7,061.24	6,993.79	6,787.33	49.27	32.98	73.34	754.97	414.71	991.90	913.56	78.33	12.662		
8,200.00	7,061.47	6,966.00	6,762.94	51.29	32.89	71.86	753.55	401.47	1,034.06	955.10	78.96	13.097		
8,300.00	7,061.70	6,941.55	6,741.09	53.40	32.81	70.55	752.33	390.57	1,082.74	1,003.31	79.43	13.632		
8,400.00	7,061.93	6,923.40	6,724.61	55.57	32.75	69.58	751.53	383.01	1,137.42	1,057.62	79.80	14.253		
8,500.00	7,062.16	6,907.27	6,709.79	57.80	32.70	68.72	750.90	376.67	1,197.40	1,117.35	80.05	14.958		
8,600.00	7,062.39	6,872.00	6,676.86	60.08	32.58	66.84	749.78	364.09	1,262.45	1,182.47	79.99	15.783		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	7,062.63	6,872.00	6,676.86	62.42	32.58	66.84	749.78	364.09	1,330.68	1,250.48	80.20	16.593		
8,800.00	7,062.86	6,872.00	6,676.86	64.79	32.58	66.84	749.78	364.09	1,402.72	1,322.42	80.30	17.468		
8,900.00	7,063.09	6,872.00	6,676.86	67.20	32.58	66.84	749.78	364.09	1,478.02	1,397.69	80.34	18.398		
9,000.00	7,063.32	6,872.00	6,676.86	69.65	32.58	66.84	749.78	364.09	1,556.11	1,475.79	80.31	19.376		
9,100.00	7,063.55	6,837.65	6,644.21	72.12	32.46	65.03	749.07	353.47	1,635.43	1,555.36	80.07	20.426		
9,200.00	7,063.78	6,829.10	6,636.00	74.63	32.43	64.58	748.95	351.06	1,717.32	1,637.36	79.96	21.478		
9,300.00	7,064.01	6,821.20	6,628.40	77.16	32.41	64.17	748.87	348.93	1,800.92	1,721.08	79.84	22.558		
9,400.00	7,064.24	6,813.89	6,621.34	79.71	32.38	63.80	748.81	347.02	1,886.01	1,806.30	79.71	23.661		
9,500.00	7,064.47	6,777.00	6,585.45	82.28	32.25	61.92	748.80	338.51	1,973.26	1,893.81	79.45	24.837		
9,600.00	7,064.70	6,777.00	6,585.45	84.87	32.25	61.92	748.80	338.51	2,060.49	1,981.13	79.36	25.964		
9,700.00	7,064.93	6,777.00	6,585.45	87.47	32.25	61.92	748.80	338.51	2,148.82	2,069.56	79.26	27.111		
9,800.00	7,065.16	6,777.00	6,585.45	90.09	32.25	61.92	748.80	338.51	2,238.14	2,158.98	79.16	28.274		
9,900.00	7,065.39	6,777.00	6,585.45	92.73	32.25	61.92	748.80	338.51	2,328.33	2,249.28	79.06	29.451		
10,000.00	7,065.62	6,777.00	6,585.45	95.38	32.25	61.92	748.80	338.51	2,419.29	2,340.34	78.96	30.641		
10,100.00	7,065.85	6,777.00	6,585.45	98.04	32.25	61.92	748.80	338.51	2,510.94	2,432.09	78.85	31.843		
10,200.00	7,066.08	6,777.00	6,585.45	100.71	32.25	61.92	748.80	338.51	2,603.20	2,524.45	78.76	33.054		
10,300.00	7,066.31	6,777.00	6,585.45	103.39	32.25	61.92	748.80	338.51	2,696.02	2,617.36	78.66	34.275		
10,400.00	7,066.54	6,777.00	6,585.45	106.08	32.25	61.92	748.80	338.51	2,789.33	2,710.76	78.57	35.503		
10,500.00	7,066.77	6,777.00	6,585.45	108.78	32.25	61.92	748.80	338.51	2,883.09	2,804.61	78.48	36.738		
10,600.00	7,067.01	6,777.00	6,585.45	111.48	32.25	61.92	748.80	338.51	2,977.26	2,898.86	78.39	37.979		
10,700.00	7,067.24	6,777.00	6,585.45	114.20	32.25	61.92	748.80	338.51	3,071.79	2,993.48	78.31	39.225		
10,800.00	7,067.47	6,777.00	6,585.45	116.92	32.25	61.92	748.80	338.51	3,166.66	3,088.43	78.23	40.477		
10,900.00	7,067.70	6,777.00	6,585.45	119.65	32.25	61.92	748.80	338.51	3,261.84	3,183.68	78.16	41.732		
11,000.00	7,067.93	6,777.00	6,585.45	122.38	32.25	61.92	748.80	338.51	3,357.30	3,279.20	78.09	42.991		
11,100.00	7,068.16	6,738.61	6,547.69	125.12	32.12	60.03	748.93	331.62	3,451.82	3,373.83	77.99	44.257		
11,200.00	7,068.39	6,735.98	6,545.09	127.86	32.11	59.90	748.93	331.22	3,547.61	3,469.67	77.93	45.520		
11,300.00	7,068.62	6,733.47	6,542.61	130.61	32.10	59.78	748.93	330.85	3,643.61	3,565.73	77.88	46.786		
11,400.00	7,068.85	6,731.08	6,540.24	133.37	32.09	59.66	748.93	330.51	3,739.81	3,661.98	77.83	48.053		
11,500.00	7,069.08	6,728.79	6,537.98	136.12	32.08	59.55	748.92	330.18	3,836.20	3,758.42	77.78	49.322		
11,600.00	7,069.31	6,726.61	6,535.82	138.89	32.07	59.44	748.92	329.88	3,932.76	3,855.03	77.73	50.593		
11,700.00	7,069.54	6,724.52	6,533.75	141.65	32.07	59.34	748.92	329.60	4,029.48	3,951.79	77.69	51.865		
11,800.00	7,069.77	6,722.53	6,531.77	144.42	32.06	59.25	748.92	329.34	4,126.35	4,048.70	77.65	53.137		
11,900.00	7,070.00	6,682.00	6,491.46	147.19	31.92	57.32	748.72	325.21	4,224.54	4,146.96	77.58	54.453		
12,000.00	7,070.23	6,682.00	6,491.46	149.97	31.92	57.32	748.72	325.21	4,321.57	4,244.02	77.55	55.723		
12,100.00	7,070.46	6,682.00	6,491.46	152.75	31.92	57.32	748.72	325.21	4,418.73	4,341.21	77.53	56.995		
12,200.00	7,070.69	6,682.00	6,491.46	155.53	31.92	57.32	748.72	325.21	4,516.02	4,438.51	77.51	58.266		
12,300.00	7,070.92	6,682.00	6,491.46	158.32	31.92	57.32	748.72	325.21	4,613.42	4,535.94	77.49	59.538		
12,400.00	7,071.16	6,682.00	6,491.46	161.10	31.92	57.32	748.72	325.21	4,710.93	4,633.46	77.47	60.810		
12,500.00	7,071.39	6,682.00	6,491.46	163.89	31.92	57.32	748.72	325.21	4,808.55	4,731.09	77.46	62.082		
12,600.00	7,071.62	6,682.00	6,491.46	166.69	31.92	57.32	748.72	325.21	4,906.26	4,828.81	77.44	63.353		
12,700.00	7,071.85	6,682.00	6,491.46	169.48	31.92	57.32	748.72	325.21	5,004.06	4,926.62	77.43	64.624		
12,800.00	7,072.08	6,682.00	6,491.46	172.28	31.92	57.32	748.72	325.21	5,101.94	5,024.52	77.43	65.895		
12,900.00	7,072.31	6,682.00	6,491.46	175.08	31.92	57.32	748.72	325.21	5,199.91	5,122.49	77.42	67.165		
13,000.00	7,072.54	6,682.00	6,491.46	177.88	31.92	57.32	748.72	325.21	5,297.95	5,220.53	77.42	68.434		
13,100.00	7,072.77	6,682.00	6,491.46	180.68	31.92	57.32	748.72	325.21	5,396.06	5,318.65	77.42	69.703		
13,200.00	7,073.00	6,682.00	6,491.46	183.48	31.92	57.32	748.72	325.21	5,494.25	5,416.83	77.42	70.970		
13,300.00	7,073.23	6,682.00	6,491.46	186.29	31.92	57.32	748.72	325.21	5,592.49	5,515.07	77.42	72.236		
13,400.00	7,073.46	6,682.00	6,491.46	189.09	31.92	57.32	748.72	325.21	5,690.80	5,613.37	77.42	73.502		
13,500.00	7,073.69	6,682.00	6,491.46	191.90	31.92	57.32	748.72	325.21	5,789.16	5,711.73	77.43	74.765		
13,600.00	7,073.92	6,682.00	6,491.46	194.71	31.92	57.32	748.72	325.21	5,887.58	5,810.14	77.44	76.028		
13,700.00	7,074.15	6,682.00	6,491.46	197.52	31.92	57.32	748.72	325.21	5,986.06	5,908.61	77.45	77.289		
13,800.00	7,074.38	6,682.00	6,491.46	200.34	31.92	57.32	748.72	325.21	6,084.58	6,007.12	77.46	78.549		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,682.00	6,491.46	203.15	31.92	57.32	748.72	325.21	6,183.15	6,105.67	77.48	79.806		
14,000.00	7,074.84	6,682.00	6,491.46	205.97	31.92	57.32	748.72	325.21	6,281.76	6,204.27	77.49	81.063		
14,100.00	7,075.07	6,682.00	6,491.46	208.78	31.92	57.32	748.72	325.21	6,380.42	6,302.91	77.51	82.317		
14,200.00	7,075.30	6,682.00	6,491.46	211.60	31.92	57.32	748.72	325.21	6,479.12	6,401.59	77.53	83.570		
14,300.00	7,075.54	6,682.00	6,491.46	214.42	31.92	57.32	748.72	325.21	6,577.86	6,500.31	77.55	84.821		
14,400.00	7,075.77	6,682.00	6,491.46	217.24	31.92	57.32	748.72	325.21	6,676.64	6,599.06	77.57	86.069		
14,500.00	7,076.00	6,682.00	6,491.46	220.06	31.92	57.32	748.72	325.21	6,775.45	6,697.85	77.60	87.316		
14,600.00	7,076.23	6,682.00	6,491.46	222.88	31.92	57.32	748.72	325.21	6,874.29	6,796.67	77.62	88.561		
14,700.00	7,076.46	6,682.00	6,491.46	225.70	31.92	57.32	748.72	325.21	6,973.17	6,895.53	77.65	89.803		
14,800.00	7,076.69	6,682.00	6,491.46	228.53	31.92	57.32	748.72	325.21	7,072.09	6,994.41	77.68	91.044		
14,900.00	7,076.92	6,682.00	6,491.46	231.35	31.92	57.32	748.72	325.21	7,171.03	7,093.32	77.71	92.282		
15,000.00	7,077.15	6,682.00	6,491.46	234.18	31.92	57.32	748.72	325.21	7,270.00	7,192.26	77.74	93.518		
15,100.00	7,077.38	6,682.00	6,491.46	237.00	31.92	57.32	748.72	325.21	7,368.99	7,291.22	77.77	94.751		
15,200.00	7,077.61	6,682.00	6,491.46	239.83	31.92	57.32	748.72	325.21	7,468.02	7,390.21	77.81	95.983		
15,300.00	7,077.84	6,682.00	6,491.46	242.66	31.92	57.32	748.72	325.21	7,567.07	7,489.23	77.84	97.211		
15,400.00	7,078.07	6,682.00	6,491.46	245.49	31.92	57.32	748.72	325.21	7,666.14	7,588.27	77.88	98.438		
15,500.00	7,078.30	6,682.00	6,491.46	248.31	31.92	57.32	748.72	325.21	7,765.24	7,687.33	77.92	99.661		
15,600.00	7,078.53	6,682.00	6,491.46	251.14	31.92	57.32	748.72	325.21	7,864.36	7,786.41	77.96	100.882		
15,700.00	7,078.76	6,682.00	6,491.46	253.97	31.92	57.32	748.72	325.21	7,963.51	7,885.51	78.00	102.101		
15,800.00	7,078.99	6,682.00	6,491.46	256.80	31.92	57.32	748.72	325.21	8,062.67	7,984.63	78.04	103.317		
15,900.00	7,079.22	6,682.00	6,491.46	259.64	31.92	57.32	748.72	325.21	8,161.86	8,083.78	78.08	104.530		
16,000.00	7,079.45	6,682.00	6,491.46	262.47	31.92	57.32	748.72	325.21	8,261.06	8,182.94	78.13	105.740		
16,100.00	7,079.69	6,682.00	6,491.46	265.30	31.92	57.32	748.72	325.21	8,360.28	8,282.11	78.17	106.948		
16,200.00	7,079.92	6,682.00	6,491.46	268.13	31.92	57.32	748.72	325.21	8,459.53	8,381.31	78.22	108.153		
16,300.00	7,080.15	6,682.00	6,491.46	270.97	31.92	57.32	748.72	325.21	8,558.79	8,480.52	78.27	109.355		
16,400.00	7,080.38	6,682.00	6,491.46	273.80	31.92	57.32	748.72	325.21	8,658.06	8,579.75	78.31	110.554		
16,500.00	7,080.61	6,682.00	6,491.46	276.64	31.92	57.32	748.72	325.21	8,757.36	8,678.99	78.37	111.751		
16,600.00	7,080.84	6,682.00	6,491.46	279.47	31.92	57.32	748.72	325.21	8,856.66	8,778.25	78.42	112.944		
16,700.00	7,081.07	6,682.00	6,491.46	282.31	31.92	57.32	748.72	325.21	8,955.99	8,877.52	78.47	114.135		
16,800.00	7,081.30	6,682.00	6,491.46	285.14	31.92	57.32	748.72	325.21	9,055.33	8,976.81	78.52	115.322		
16,900.00	7,081.53	6,682.00	6,491.46	287.98	31.92	57.32	748.72	325.21	9,154.68	9,076.10	78.58	116.507		
17,000.00	7,081.76	6,682.00	6,491.46	290.82	31.92	57.32	748.72	325.21	9,254.05	9,175.42	78.63	117.688		
17,100.00	7,081.99	6,682.00	6,491.46	293.65	31.92	57.32	748.72	325.21	9,353.43	9,274.74	78.69	118.866		
17,200.00	7,082.22	6,682.00	6,491.46	296.49	31.92	57.32	748.72	325.21	9,452.82	9,374.08	78.75	120.042		
17,300.00	7,082.45	6,682.00	6,491.46	299.33	31.92	57.32	748.72	325.21	9,552.23	9,473.43	78.80	121.214		
17,400.00	7,082.68	6,682.00	6,491.46	302.17	31.92	57.32	748.72	325.21	9,651.65	9,572.78	78.86	122.383		
17,500.00	7,082.91	6,682.00	6,491.46	305.01	31.92	57.32	748.72	325.21	9,751.08	9,672.16	78.92	123.549		
17,600.00	7,083.14	6,682.00	6,491.46	307.85	31.92	57.32	748.72	325.21	9,850.52	9,771.54	78.99	124.712		
17,700.00	7,083.37	6,682.00	6,491.46	310.69	31.92	57.32	748.72	325.21	9,949.98	9,870.93	79.05	125.871		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	146.82	-772.68	505.32	923.31					
100.00	100.00	89.33	89.33	3.28	3.29	146.83	-772.80	505.10	923.23	916.66	6.57	140.510		
200.00	200.00	190.05	190.05	3.34	3.31	146.89	-773.23	504.34	923.17	916.52	6.65	138.810		
277.52	277.52	269.04	269.03	3.42	3.38	146.94	-773.56	503.55	923.02	916.22	6.80	135.811 CC, ES		
300.00	300.00	281.57	281.56	3.44	3.39	146.95	-773.72	503.46	923.14	916.30	6.84	134.976		
400.00	399.98	353.00	352.96	3.60	3.49	51.55	-775.79	503.54	924.49	917.40	7.10	130.252		
500.00	499.84	429.71	429.52	3.80	3.62	51.84	-780.37	503.90	926.50	919.06	7.44	124.581		
600.00	599.45	504.39	503.92	4.04	3.77	52.33	-786.96	504.21	928.87	921.02	7.84	118.410		
700.00	698.70	582.28	581.29	4.31	3.95	52.96	-795.71	505.41	931.87	923.56	8.32	112.064		
800.00	797.47	661.45	659.74	4.62	4.16	53.78	-806.28	506.79	935.00	926.16	8.84	105.748		
900.00	895.62	735.91	733.22	4.97	4.38	54.73	-818.27	507.92	938.75	929.34	9.41	99.781		
980.89	974.49	793.35	789.60	5.27	4.57	55.59	-829.21	508.44	942.60	932.70	9.89	95.282		
1,000.00	993.07	806.77	802.73	5.34	4.62	55.83	-832.00	508.50	943.67	933.67	10.01	94.279		
1,100.00	1,090.26	883.59	877.58	5.75	4.89	57.22	-849.29	508.35	951.10	940.44	10.66	89.209		
1,200.00	1,187.45	958.56	950.14	6.17	5.18	58.66	-868.07	507.22	961.27	949.94	11.33	84.817		
1,300.00	1,284.64	1,034.66	1,023.17	6.62	5.49	60.21	-889.34	504.81	974.53	962.50	12.03	80.986		
1,400.00	1,381.83	1,119.68	1,104.45	7.07	5.87	61.93	-914.12	502.08	990.04	977.26	12.78	77.440		
1,500.00	1,479.01	1,207.35	1,188.05	7.54	6.27	63.68	-940.32	499.03	1,007.31	993.75	13.57	74.248		
1,600.00	1,576.20	1,302.58	1,278.89	8.02	6.72	65.50	-968.78	496.01	1,025.77	1,011.37	14.40	71.215		
1,700.00	1,673.39	1,382.70	1,355.16	8.50	7.11	67.00	-993.16	493.45	1,045.75	1,030.57	15.18	68.893		
1,800.00	1,770.58	1,475.37	1,443.07	8.99	7.58	68.76	-1,022.12	488.98	1,067.23	1,051.19	16.04	66.555		
1,900.00	1,867.77	1,567.39	1,530.16	9.48	8.05	70.54	-1,051.14	482.62	1,089.69	1,072.79	16.90	64.473		
2,000.00	1,964.96	1,668.64	1,626.12	9.98	8.58	72.44	-1,082.65	475.41	1,112.83	1,095.00	17.84	62.390		
2,100.00	2,062.15	1,759.67	1,712.62	10.49	9.06	74.04	-1,110.38	469.53	1,136.42	1,117.70	18.72	60.720		
2,200.00	2,159.34	1,849.41	1,836.45	10.99	9.74	76.16	-1,148.38	462.30	1,159.97	1,140.11	19.86	58.413		
2,300.00	2,256.53	1,938.65	1,931.80	11.50	10.26	77.69	-1,175.46	457.31	1,182.32	1,161.52	20.80	56.833		
2,400.00	2,353.71	2,026.10	2,035.38	12.01	10.81	79.23	-1,203.65	452.74	1,204.40	1,182.59	21.81	55.227		
2,500.00	2,450.90	2,117.16	2,133.07	12.53	11.33	80.64	-1,229.10	448.07	1,226.10	1,203.33	22.77	53.837		
2,600.00	2,548.09	2,209.82	2,212.97	13.04	11.76	81.75	-1,249.97	444.43	1,248.54	1,224.92	23.62	52.857		
2,700.00	2,645.28	2,301.84	2,290.01	13.56	12.18	82.78	-1,271.38	441.37	1,272.94	1,248.49	24.45	52.066		
2,800.00	2,742.47	2,395.98	2,402.20	14.08	12.79	84.19	-1,301.14	437.44	1,296.69	1,271.15	25.54	50.772		
2,900.00	2,839.66	2,489.94	2,483.31	14.60	13.23	85.16	-1,322.66	434.90	1,321.03	1,294.63	26.40	50.040		
3,000.00	2,936.85	2,581.21	2,561.68	15.12	13.66	86.02	-1,344.14	433.34	1,346.51	1,319.27	27.24	49.430		
3,100.00	3,034.04	2,672.22	2,629.88	15.65	14.04	86.77	-1,363.85	431.78	1,373.69	1,345.69	28.00	49.062		
3,200.00	3,131.22	2,763.62	2,744.56	16.17	14.69	88.00	-1,386.88	428.23	1,401.28	1,372.13	29.15	48.072		
3,300.00	3,228.41	2,854.94	2,805.31	16.69	15.03	88.66	-1,414.60	425.71	1,429.53	1,399.68	29.85	47.898		
3,400.00	3,325.60	2,945.81	2,882.63	17.22	15.48	89.49	-1,438.00	422.01	1,459.28	1,428.60	30.68	47.559		
3,500.00	3,422.79	3,036.95	3,011.14	17.75	16.21	90.80	-1,475.98	416.27	1,488.94	1,456.96	31.98	46.561		
3,600.00	3,519.98	3,128.42	3,076.86	18.27	16.59	91.44	-1,494.96	413.37	1,518.13	1,485.42	32.71	46.405		
3,700.00	3,617.17	3,219.40	3,161.14	18.80	17.07	92.24	-1,519.92	409.50	1,548.37	1,514.75	33.62	46.058		
3,800.00	3,714.36	3,309.58	3,290.24	19.33	17.80	93.39	-1,556.12	404.55	1,577.33	1,542.42	34.92	45.174		
3,900.00	3,811.55	3,400.00	3,357.02	19.86	18.17	93.97	-1,574.89	401.96	1,606.71	1,571.05	35.66	45.053		
4,000.00	3,908.74	3,488.88	3,471.48	20.39	18.82	94.91	-1,606.70	397.75	1,636.11	1,599.28	36.83	44.420		
4,100.00	4,005.92	3,573.93	3,553.47	20.92	19.27	95.52	-1,629.23	395.78	1,665.23	1,627.51	37.71	44.154		
4,200.00	4,103.11	3,652.00	3,628.56	21.45	19.70	96.06	-1,650.52	394.07	1,695.26	1,656.72	38.54	43.992		
4,300.00	4,200.30	3,723.05	3,696.68	21.98	20.09	96.54	-1,670.66	392.42	1,726.52	1,687.23	39.29	43.941		
4,400.00	4,297.49	3,802.60	3,772.66	22.51	20.54	97.04	-1,694.14	390.64	1,759.03	1,718.90	40.12	43.839		
4,500.00	4,394.68	3,890.69	3,856.66	23.04	21.03	97.57	-1,720.60	388.87	1,792.14	1,751.10	41.04	43.667		
4,600.00	4,491.87	3,976.62	3,938.55	23.57	21.52	98.07	-1,746.60	387.18	1,825.59	1,783.66	41.94	43.532		
4,700.00	4,589.06	4,063.88	4,017.73	24.10	21.99	98.53	-1,772.30	385.67	1,859.70	1,816.89	42.81	43.442		
4,800.00	4,686.25	4,150.20	4,109.27	24.64	22.54	99.04	-1,802.20	383.62	1,894.21	1,850.40	43.81	43.236		
4,900.00	4,783.43	4,237.78	4,220.41	25.17	23.20	99.66	-1,837.31	381.14	1,927.97	1,882.96	45.01	42.834		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,062.63	6,979.00	6,778.09	62.42	35.06	-82.59	-2,206.92	355.21	2,291.75	2,200.66	91.09	25.159		
8,800.00	7,062.86	6,979.00	6,778.09	64.79	35.06	-82.59	-2,206.92	355.21	2,333.27	2,240.76	92.51	25.222		
8,900.00	7,063.09	6,979.00	6,778.09	67.20	35.06	-82.59	-2,206.92	355.21	2,378.26	2,284.43	93.84	25.345		
9,000.00	7,063.32	6,946.96	6,747.44	69.65	34.96	-81.76	-2,207.43	345.89	2,425.98	2,330.96	95.01	25.533		
9,100.00	7,063.55	6,937.66	6,738.47	72.12	34.93	-81.52	-2,207.56	343.47	2,476.95	2,380.80	96.15	25.762		
9,200.00	7,063.78	6,929.29	6,730.36	74.63	34.90	-81.30	-2,207.67	341.40	2,530.76	2,433.56	97.19	26.039		
9,300.00	7,064.01	6,921.71	6,723.00	77.16	34.88	-81.10	-2,207.76	339.62	2,587.24	2,489.08	98.16	26.358		
9,400.00	7,064.24	6,886.00	6,688.03	79.71	34.76	-80.17	-2,208.10	332.39	2,646.75	2,547.79	98.97	26.744		
9,500.00	7,064.47	6,886.00	6,688.03	82.28	34.76	-80.17	-2,208.10	332.39	2,707.91	2,608.12	99.79	27.135		
9,600.00	7,064.70	6,886.00	6,688.03	84.87	34.76	-80.17	-2,208.10	332.39	2,771.33	2,670.78	100.55	27.562		
9,700.00	7,064.93	6,886.00	6,688.03	87.47	34.76	-80.17	-2,208.10	332.39	2,836.85	2,735.62	101.23	28.022		
9,800.00	7,065.16	6,886.00	6,688.03	90.09	34.76	-80.17	-2,208.10	332.39	2,904.34	2,802.48	101.86	28.514		
9,900.00	7,065.39	6,886.00	6,688.03	92.73	34.76	-80.17	-2,208.10	332.39	2,973.66	2,871.24	102.42	29.033		
10,000.00	7,065.62	6,886.00	6,688.03	95.38	34.76	-80.17	-2,208.10	332.39	3,044.69	2,941.76	102.93	29.579		
10,100.00	7,065.85	6,886.00	6,688.03	98.04	34.76	-80.17	-2,208.10	332.39	3,117.31	3,013.91	103.40	30.149		
10,200.00	7,066.08	6,886.00	6,688.03	100.71	34.76	-80.17	-2,208.10	332.39	3,191.41	3,087.60	103.81	30.742		
10,300.00	7,066.31	6,858.95	6,661.35	103.39	34.67	-79.46	-2,208.15	327.95	3,266.64	3,162.50	104.14	31.369		
10,400.00	7,066.54	6,852.49	6,654.96	106.08	34.65	-79.29	-2,208.11	326.99	3,343.27	3,238.80	104.46	32.004		
10,500.00	7,066.77	6,846.49	6,649.02	108.78	34.63	-79.13	-2,208.06	326.12	3,421.08	3,316.32	104.76	32.657		
10,600.00	7,067.01	6,840.89	6,643.48	111.48	34.61	-78.99	-2,208.00	325.34	3,499.99	3,394.96	105.02	33.325		
10,700.00	7,067.24	6,835.66	6,638.30	114.20	34.59	-78.85	-2,207.93	324.63	3,579.94	3,474.67	105.26	34.009		
10,800.00	7,067.47	6,830.77	6,633.44	116.92	34.57	-78.72	-2,207.85	323.99	3,660.85	3,555.37	105.48	34.707		
10,900.00	7,067.70	6,826.17	6,628.89	119.65	34.56	-78.60	-2,207.77	323.41	3,742.67	3,637.00	105.67	35.418		
11,000.00	7,067.93	6,821.85	6,624.60	122.38	34.54	-78.49	-2,207.69	322.87	3,825.34	3,719.50	105.85	36.141		
11,100.00	7,068.16	6,792.00	6,594.94	125.12	34.44	-77.70	-2,206.87	319.64	3,909.06	3,803.13	105.92	36.904		
11,200.00	7,068.39	6,792.00	6,594.94	127.86	34.44	-77.70	-2,206.87	319.64	3,993.21	3,887.13	106.08	37.645		
11,300.00	7,068.62	6,792.00	6,594.94	130.61	34.44	-77.70	-2,206.87	319.64	4,078.07	3,971.86	106.21	38.396		
11,400.00	7,068.85	6,792.00	6,594.94	133.37	34.44	-77.70	-2,206.87	319.64	4,163.61	4,057.28	106.33	39.156		
11,500.00	7,069.08	6,792.00	6,594.94	136.12	34.44	-77.70	-2,206.87	319.64	4,249.78	4,143.33	106.44	39.925		
11,600.00	7,069.31	6,792.00	6,594.94	138.89	34.44	-77.70	-2,206.87	319.64	4,336.54	4,230.00	106.54	40.703		
11,700.00	7,069.54	6,792.00	6,594.94	141.65	34.44	-77.70	-2,206.87	319.64	4,423.86	4,317.23	106.63	41.488		
11,800.00	7,069.77	6,792.00	6,594.94	144.42	34.44	-77.70	-2,206.87	319.64	4,511.71	4,405.00	106.71	42.281		
11,900.00	7,070.00	6,792.00	6,594.94	147.19	34.44	-77.70	-2,206.87	319.64	4,600.05	4,493.27	106.78	43.080		
12,000.00	7,070.23	6,792.00	6,594.94	149.97	34.44	-77.70	-2,206.87	319.64	4,688.87	4,582.02	106.84	43.886		
12,100.00	7,070.46	6,792.00	6,594.94	152.75	34.44	-77.70	-2,206.87	319.64	4,778.12	4,671.22	106.90	44.697		
12,200.00	7,070.69	6,792.00	6,594.94	155.53	34.44	-77.70	-2,206.87	319.64	4,867.79	4,760.84	106.95	45.514		
12,300.00	7,070.92	6,792.00	6,594.94	158.32	34.44	-77.70	-2,206.87	319.64	4,957.86	4,850.86	107.00	46.337		
12,400.00	7,071.16	6,792.00	6,594.94	161.10	34.44	-77.70	-2,206.87	319.64	5,048.30	4,941.26	107.04	47.164		
12,500.00	7,071.39	6,792.00	6,594.94	163.89	34.44	-77.70	-2,206.87	319.64	5,139.10	5,032.02	107.07	47.996		
12,600.00	7,071.62	6,792.00	6,594.94	166.69	34.44	-77.70	-2,206.87	319.64	5,230.23	5,123.12	107.11	48.832		
12,700.00	7,071.85	6,792.00	6,594.94	169.48	34.44	-77.70	-2,206.87	319.64	5,321.68	5,214.54	107.14	49.672		
12,800.00	7,072.08	6,792.00	6,594.94	172.28	34.44	-77.70	-2,206.87	319.64	5,413.43	5,306.27	107.16	50.516		
12,900.00	7,072.31	6,792.00	6,594.94	175.08	34.44	-77.70	-2,206.87	319.64	5,505.47	5,398.28	107.19	51.363		
13,000.00	7,072.54	6,792.00	6,594.94	177.88	34.44	-77.70	-2,206.87	319.64	5,597.78	5,490.57	107.21	52.214		
13,100.00	7,072.77	6,792.00	6,594.94	180.68	34.44	-77.70	-2,206.87	319.64	5,690.35	5,583.13	107.23	53.068		
13,200.00	7,073.00	6,792.00	6,594.94	183.48	34.44	-77.70	-2,206.87	319.64	5,783.17	5,675.93	107.24	53.925		
13,300.00	7,073.23	6,792.00	6,594.94	186.29	34.44	-77.70	-2,206.87	319.64	5,876.23	5,768.97	107.26	54.785		
13,400.00	7,073.46	6,792.00	6,594.94	189.09	34.44	-77.70	-2,206.87	319.64	5,969.51	5,862.23	107.28	55.647		
13,500.00	7,073.69	6,792.00	6,594.94	191.90	34.44	-77.70	-2,206.87	319.64	6,063.00	5,955.71	107.29	56.511		
13,600.00	7,073.92	6,792.00	6,594.94	194.71	34.44	-77.70	-2,206.87	319.64	6,156.70	6,049.40	107.30	57.378		
13,700.00	7,074.15	6,792.00	6,594.94	197.52	34.44	-77.70	-2,206.87	319.64	6,250.59	6,143.28	107.31	58.247		
13,800.00	7,074.38	6,792.00	6,594.94	200.34	34.44	-77.70	-2,206.87	319.64	6,344.67	6,237.35	107.32	59.118		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,074.61	6,792.00	6,594.94	203.15	34.44	-77.70	-2,206.87	319.64	6,438.93	6,331.60	107.33	59.990		
14,000.00	7,074.84	6,792.00	6,594.94	205.97	34.44	-77.70	-2,206.87	319.64	6,533.36	6,426.02	107.34	60.864		
14,100.00	7,075.07	6,792.00	6,594.94	208.78	34.44	-77.70	-2,206.87	319.64	6,627.96	6,520.60	107.35	61.740		
14,200.00	7,075.30	6,792.00	6,594.94	211.60	34.44	-77.70	-2,206.87	319.64	6,722.71	6,615.34	107.36	62.617		
14,300.00	7,075.54	6,792.00	6,594.94	214.42	34.44	-77.70	-2,206.87	319.64	6,817.61	6,710.23	107.37	63.496		
14,400.00	7,075.77	6,792.00	6,594.94	217.24	34.44	-77.70	-2,206.87	319.64	6,912.65	6,805.27	107.38	64.376		
14,500.00	7,076.00	6,792.00	6,594.94	220.06	34.44	-77.70	-2,206.87	319.64	7,007.83	6,900.44	107.39	65.257		
14,600.00	7,076.23	6,792.00	6,594.94	222.88	34.44	-77.70	-2,206.87	319.64	7,103.14	6,995.75	107.40	66.139		
14,700.00	7,076.46	6,792.00	6,594.94	225.70	34.44	-77.70	-2,206.87	319.64	7,198.58	7,091.18	107.41	67.022		
14,800.00	7,076.69	6,792.00	6,594.94	228.53	34.44	-77.70	-2,206.87	319.64	7,294.15	7,186.73	107.42	67.906		
14,900.00	7,076.92	6,792.00	6,594.94	231.35	34.44	-77.70	-2,206.87	319.64	7,389.83	7,282.40	107.43	68.790		
15,000.00	7,077.15	6,792.00	6,594.94	234.18	34.44	-77.70	-2,206.87	319.64	7,485.62	7,378.19	107.43	69.676		
15,100.00	7,077.38	6,792.00	6,594.94	237.00	34.44	-77.70	-2,206.87	319.64	7,581.52	7,474.08	107.45	70.562		
15,200.00	7,077.61	6,792.00	6,594.94	239.83	34.44	-77.70	-2,206.87	319.64	7,677.53	7,570.07	107.46	71.448		
15,300.00	7,077.84	6,792.00	6,594.94	242.66	34.44	-77.70	-2,206.87	319.64	7,773.64	7,666.17	107.47	72.335		
15,400.00	7,078.07	6,792.00	6,594.94	245.49	34.44	-77.70	-2,206.87	319.64	7,869.84	7,762.36	107.48	73.223		
15,500.00	7,078.30	6,792.00	6,594.94	248.31	34.44	-77.70	-2,206.87	319.64	7,966.14	7,858.65	107.49	74.111		
15,600.00	7,078.53	6,792.00	6,594.94	251.14	34.44	-77.70	-2,206.87	319.64	8,062.53	7,955.02	107.50	74.999		
15,700.00	7,078.76	6,792.00	6,594.94	253.97	34.44	-77.70	-2,206.87	319.64	8,159.00	8,051.49	107.51	75.887		
15,800.00	7,078.99	6,792.00	6,594.94	256.80	34.44	-77.70	-2,206.87	319.64	8,255.56	8,148.03	107.53	76.776		
15,900.00	7,079.22	6,792.00	6,594.94	259.64	34.44	-77.70	-2,206.87	319.64	8,352.20	8,244.66	107.54	77.664		
16,000.00	7,079.45	6,792.00	6,594.94	262.47	34.44	-77.70	-2,206.87	319.64	8,448.92	8,341.36	107.56	78.553		
16,100.00	7,079.69	6,792.00	6,594.94	265.30	34.44	-77.70	-2,206.87	319.64	8,545.71	8,438.14	107.57	79.442		
16,200.00	7,079.92	6,792.00	6,594.94	268.13	34.44	-77.70	-2,206.87	319.64	8,642.58	8,534.99	107.59	80.331		
16,300.00	7,080.15	6,792.00	6,594.94	270.97	34.44	-77.70	-2,206.87	319.64	8,739.51	8,631.91	107.60	81.219		
16,400.00	7,080.38	6,792.00	6,594.94	273.80	34.44	-77.70	-2,206.87	319.64	8,836.52	8,728.90	107.62	82.108		
16,500.00	7,080.61	6,792.00	6,594.94	276.64	34.44	-77.70	-2,206.87	319.64	8,933.59	8,825.95	107.64	82.996		
16,600.00	7,080.84	6,792.00	6,594.94	279.47	34.44	-77.70	-2,206.87	319.64	9,030.73	8,923.07	107.66	83.884		
16,700.00	7,081.07	6,792.00	6,594.94	282.31	34.44	-77.70	-2,206.87	319.64	9,127.92	9,020.25	107.68	84.772		
16,800.00	7,081.30	6,792.00	6,594.94	285.14	34.44	-77.70	-2,206.87	319.64	9,225.18	9,117.49	107.70	85.660		
16,900.00	7,081.53	6,792.00	6,594.94	287.98	34.44	-77.70	-2,206.87	319.64	9,322.50	9,214.78	107.72	86.547		
17,000.00	7,081.76	6,792.00	6,594.94	290.82	34.44	-77.70	-2,206.87	319.64	9,419.87	9,312.13	107.74	87.434		
17,100.00	7,081.99	6,792.00	6,594.94	293.65	34.44	-77.70	-2,206.87	319.64	9,517.29	9,409.54	107.76	88.321		
17,200.00	7,082.22	6,792.00	6,594.94	296.49	34.44	-77.70	-2,206.87	319.64	9,614.77	9,506.99	107.78	89.207		
17,300.00	7,082.45	6,792.00	6,594.94	299.33	34.44	-77.70	-2,206.87	319.64	9,712.30	9,604.50	107.80	90.093		
17,400.00	7,082.68	6,792.00	6,594.94	302.17	34.44	-77.70	-2,206.87	319.64	9,809.88	9,702.05	107.83	90.978		
17,500.00	7,082.91	6,792.00	6,594.94	305.01	34.44	-77.70	-2,206.87	319.64	9,907.51	9,799.66	107.85	91.863		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	146.11	-752.65	505.60	906.77					
100.00	100.00	86.39	86.39	3.28	3.29	146.14	-753.02	505.27	906.83	900.26	6.57	138.016		
200.00	200.00	183.44	183.42	3.34	3.31	146.25	-754.32	504.11	907.28	900.64	6.64	136.581		
300.00	300.00	280.42	280.35	3.44	3.34	146.43	-756.56	502.11	908.06	901.28	6.78	133.839		
400.00	399.98	377.24	377.08	3.60	3.39	51.26	-759.73	499.29	908.09	901.11	6.99	129.976		
500.00	499.84	467.10	466.79	3.80	3.47	51.83	-763.67	495.88	906.49	899.22	7.26	124.819		
600.00	599.45	548.27	547.61	4.04	3.60	52.64	-769.77	491.64	904.71	897.07	7.64	118.410		
700.00	698.70	635.49	634.20	4.31	3.79	53.81	-778.51	485.82	902.55	894.45	8.10	111.419		
800.00	797.47	715.36	713.29	4.62	3.99	55.10	-788.11	480.27	900.46	891.85	8.61	104.552		
900.00	895.62	791.39	788.35	4.97	4.20	56.50	-799.00	475.00	899.12	889.95	9.17	98.015		
953.38	947.73	830.57	826.90	5.16	4.32	57.29	-805.40	472.21	898.90	889.41	9.49	94.723 CC		
980.89	974.49	850.26	846.25	5.27	4.39	57.70	-808.81	470.88	898.96	889.30	9.66	93.092 ES		
1,000.00	993.07	863.92	859.66	5.34	4.43	57.99	-811.25	469.98	899.12	889.34	9.77	91.989		
1,100.00	1,090.26	935.31	929.60	5.75	4.68	59.50	-824.92	465.81	902.10	891.69	10.41	86.662		
1,200.00	1,187.45	1,007.58	1,000.18	6.17	4.94	60.98	-840.19	462.93	908.66	897.59	11.07	82.053		
1,300.00	1,284.64	1,086.41	1,076.90	6.62	5.24	62.55	-858.17	460.69	918.26	906.49	11.78	77.984		
1,400.00	1,381.83	1,170.69	1,158.67	7.07	5.58	64.19	-878.48	458.75	930.27	917.76	12.52	74.329		
1,500.00	1,479.01	1,261.76	1,246.83	7.54	5.97	65.96	-901.18	456.40	944.01	930.70	13.31	70.940		
1,600.00	1,576.20	1,347.23	1,329.35	8.02	6.35	67.65	-923.18	452.94	959.21	945.11	14.09	68.059		
1,700.00	1,673.39	1,426.64	1,405.72	8.50	6.72	69.23	-944.63	449.16	976.56	961.69	14.86	65.703		
1,800.00	1,770.58	1,507.82	1,483.36	8.99	7.11	70.85	-967.88	444.66	996.36	980.71	15.65	63.667		
1,900.00	1,867.77	1,597.28	1,568.72	9.48	7.55	72.60	-994.09	439.25	1,017.82	1,001.33	16.49	61.713		
2,000.00	1,964.96	1,695.73	1,662.76	9.98	8.05	74.41	-1,022.77	434.05	1,040.24	1,022.84	17.40	59.780		
2,100.00	2,062.15	1,806.68	1,769.23	10.49	8.61	76.30	-1,053.59	429.24	1,062.33	1,043.94	18.40	57.738		
2,200.00	2,159.34	1,917.25	1,875.91	10.99	9.16	78.04	-1,082.43	425.58	1,083.65	1,064.24	19.40	55.849		
2,300.00	2,256.53	2,034.03	1,989.16	11.50	9.74	79.70	-1,110.85	423.49	1,104.03	1,083.58	20.45	53.990		
2,400.00	2,353.71	2,164.76	2,116.75	12.01	10.37	81.49	-1,139.15	420.90	1,122.36	1,100.78	21.58	52.018		
2,500.00	2,450.90	2,271.11	2,221.07	12.53	10.88	82.89	-1,169.71	418.75	1,138.99	1,116.44	22.56	50.494		
2,600.00	2,548.09	2,358.25	2,306.52	13.04	11.30	84.02	-1,176.67	416.70	1,156.37	1,132.94	23.43	49.360		
2,700.00	2,645.28	2,447.40	2,393.80	13.56	11.73	85.15	-1,194.72	414.63	1,175.04	1,150.72	24.31	48.330		
2,800.00	2,742.47	2,537.36	2,481.84	14.08	12.17	86.29	-1,212.99	411.82	1,194.36	1,169.15	25.21	47.383		
2,900.00	2,839.66	2,621.39	2,563.88	14.60	12.58	87.34	-1,230.89	408.62	1,215.19	1,189.13	26.06	46.627		
3,000.00	2,936.85	2,724.70	2,664.79	15.12	13.10	88.61	-1,252.64	404.50	1,236.35	1,209.30	27.05	45.702		
3,100.00	3,034.04	2,811.49	2,749.61	15.65	13.53	89.64	-1,270.68	400.96	1,257.78	1,229.86	27.93	45.035		
3,200.00	3,131.22	2,894.00	2,820.19	16.17	13.89	90.46	-1,287.09	398.39	1,281.28	1,252.58	28.70	44.645		
3,300.00	3,228.41	2,952.59	2,886.65	16.69	14.25	91.18	-1,303.92	396.41	1,306.91	1,277.48	29.43	44.404		
3,400.00	3,325.60	3,091.95	3,021.86	17.22	14.97	92.58	-1,337.42	392.67	1,332.70	1,301.97	30.73	43.368		
3,500.00	3,422.79	3,202.96	3,130.41	17.75	15.52	93.68	-1,360.42	389.52	1,355.39	1,323.60	31.79	42.635		
3,600.00	3,519.98	3,318.43	3,243.32	18.27	16.09	94.77	-1,384.45	386.53	1,378.74	1,345.86	32.88	41.932		
3,700.00	3,617.17	3,421.05	3,344.16	18.80	16.59	95.69	-1,403.37	384.82	1,399.75	1,365.87	33.87	41.322		
3,800.00	3,714.36	3,509.83	3,431.29	19.33	17.03	96.51	-1,420.17	382.22	1,421.85	1,387.08	34.77	40.893		
3,900.00	3,811.55	3,596.50	3,516.30	19.86	17.45	97.25	-1,437.01	380.34	1,444.56	1,408.91	35.65	40.519		
4,000.00	3,908.74	3,677.58	3,595.68	20.39	17.86	97.93	-1,453.36	378.29	1,468.35	1,431.86	36.49	40.240		
4,100.00	4,005.92	3,786.21	3,701.95	20.92	18.40	98.86	-1,475.51	374.07	1,493.07	1,455.53	37.54	39.772		
4,200.00	4,103.11	3,867.20	3,781.38	21.45	18.80	99.54	-1,491.09	371.36	1,516.88	1,478.50	38.38	39.525		
4,300.00	4,200.30	3,924.70	3,837.49	21.98	19.09	100.01	-1,503.38	368.76	1,543.15	1,504.13	39.01	39.555		
4,400.00	4,297.49	3,991.80	3,902.67	22.51	19.44	100.57	-1,518.83	364.97	1,571.59	1,531.87	39.72	39.570		
4,500.00	4,394.68	4,070.24	3,978.58	23.04	19.86	101.19	-1,538.03	360.41	1,601.64	1,561.12	40.52	39.527		
4,600.00	4,491.87	4,156.25	4,061.61	23.57	20.32	101.78	-1,560.22	357.08	1,632.48	1,591.08	41.40	39.435		
4,700.00	4,589.06	4,334.62	4,234.57	24.10	21.25	102.93	-1,603.37	351.54	1,662.25	1,619.14	43.11	38.558		
4,800.00	4,686.25	4,448.32	4,345.89	24.64	21.82	103.66	-1,626.32	348.97	1,687.73	1,643.52	44.21	38.171		
4,900.00	4,783.43	4,564.59	4,459.86	25.17	22.40	104.41	-1,649.08	345.63	1,713.23	1,667.90	45.33	37.793		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,563.00	6,439.85	203.15	31.24	-70.63	-1,855.85	318.13	6,347.63	6,251.86	95.77	66.282		
14,000.00	7,074.84	6,563.00	6,439.85	205.97	31.24	-70.63	-1,855.85	318.13	6,443.41	6,347.64	95.77	67.283		
14,100.00	7,075.07	6,563.00	6,439.85	208.78	31.24	-70.63	-1,855.85	318.13	6,539.31	6,443.55	95.76	68.285		
14,200.00	7,075.30	6,563.00	6,439.85	211.60	31.24	-70.63	-1,855.85	318.13	6,635.34	6,539.57	95.76	69.288		
14,300.00	7,075.54	6,563.00	6,439.85	214.42	31.24	-70.63	-1,855.85	318.13	6,731.48	6,635.72	95.77	70.292		
14,400.00	7,075.77	6,563.00	6,439.85	217.24	31.24	-70.63	-1,855.85	318.13	6,827.73	6,731.97	95.77	71.296		
14,500.00	7,076.00	6,563.00	6,439.85	220.06	31.24	-70.63	-1,855.85	318.13	6,924.09	6,828.32	95.77	72.300		
14,600.00	7,076.23	6,563.00	6,439.85	222.88	31.24	-70.63	-1,855.85	318.13	7,020.55	6,924.78	95.77	73.305		
14,700.00	7,076.46	6,563.00	6,439.85	225.70	31.24	-70.63	-1,855.85	318.13	7,117.11	7,021.34	95.78	74.310		
14,800.00	7,076.69	6,563.00	6,439.85	228.53	31.24	-70.63	-1,855.85	318.13	7,213.76	7,117.98	95.78	75.316		
14,900.00	7,076.92	6,563.00	6,439.85	231.35	31.24	-70.63	-1,855.85	318.13	7,310.50	7,214.72	95.79	76.321		
15,000.00	7,077.15	6,563.00	6,439.85	234.18	31.24	-70.63	-1,855.85	318.13	7,407.33	7,311.54	95.79	77.327		
15,100.00	7,077.38	6,563.00	6,439.85	237.00	31.24	-70.63	-1,855.85	318.13	7,504.24	7,408.44	95.80	78.332		
15,200.00	7,077.61	6,563.00	6,439.85	239.83	31.24	-70.63	-1,855.85	318.13	7,601.24	7,505.43	95.81	79.337		
15,300.00	7,077.84	6,563.00	6,439.85	242.66	31.24	-70.63	-1,855.85	318.13	7,698.31	7,602.49	95.82	80.342		
15,400.00	7,078.07	6,563.00	6,439.85	245.49	31.24	-70.63	-1,855.85	318.13	7,795.45	7,699.62	95.83	81.347		
15,500.00	7,078.30	6,563.00	6,439.85	248.31	31.24	-70.63	-1,855.85	318.13	7,892.66	7,796.82	95.84	82.352		
15,600.00	7,078.53	6,563.00	6,439.85	251.14	31.24	-70.63	-1,855.85	318.13	7,989.95	7,894.09	95.85	83.356		
15,700.00	7,078.76	6,563.00	6,439.85	253.97	31.24	-70.63	-1,855.85	318.13	8,087.29	7,991.43	95.87	84.360		
15,800.00	7,078.99	6,563.00	6,439.85	256.80	31.24	-70.63	-1,855.85	318.13	8,184.71	8,088.83	95.88	85.364		
15,900.00	7,079.22	6,563.00	6,439.85	259.64	31.24	-70.63	-1,855.85	318.13	8,282.18	8,186.29	95.90	86.367		
16,000.00	7,079.45	6,563.00	6,439.85	262.47	31.24	-70.63	-1,855.85	318.13	8,379.72	8,283.80	95.91	87.369		
16,100.00	7,079.69	6,563.00	6,439.85	265.30	31.24	-70.63	-1,855.85	318.13	8,477.31	8,381.38	95.93	88.371		
16,200.00	7,079.92	6,563.00	6,439.85	268.13	31.24	-70.63	-1,855.85	318.13	8,574.96	8,479.01	95.95	89.372		
16,300.00	7,080.15	6,563.00	6,439.85	270.97	31.24	-70.63	-1,855.85	318.13	8,672.66	8,576.69	95.97	90.372		
16,400.00	7,080.38	6,563.00	6,439.85	273.80	31.24	-70.63	-1,855.85	318.13	8,770.41	8,674.42	95.99	91.372		
16,500.00	7,080.61	6,563.00	6,439.85	276.64	31.24	-70.63	-1,855.85	318.13	8,868.21	8,772.21	96.01	92.370		
16,600.00	7,080.84	6,563.00	6,439.85	279.47	31.24	-70.63	-1,855.85	318.13	8,966.06	8,870.03	96.03	93.368		
16,700.00	7,081.07	6,563.00	6,439.85	282.31	31.24	-70.63	-1,855.85	318.13	9,063.96	8,967.91	96.05	94.365		
16,800.00	7,081.30	6,563.00	6,439.85	285.14	31.24	-70.63	-1,855.85	318.13	9,161.91	9,065.83	96.08	95.361		
16,900.00	7,081.53	6,563.00	6,439.85	287.98	31.24	-70.63	-1,855.85	318.13	9,259.89	9,163.79	96.10	96.357		
17,000.00	7,081.76	6,563.00	6,439.85	290.82	31.24	-70.63	-1,855.85	318.13	9,357.92	9,261.80	96.13	97.351		
17,100.00	7,081.99	6,563.00	6,439.85	293.65	31.24	-70.63	-1,855.85	318.13	9,455.99	9,359.84	96.15	98.344		
17,200.00	7,082.22	6,563.00	6,439.85	296.49	31.24	-70.63	-1,855.85	318.13	9,554.11	9,457.93	96.18	99.336		
17,300.00	7,082.45	6,563.00	6,439.85	299.33	31.24	-70.63	-1,855.85	318.13	9,652.26	9,556.05	96.21	100.327		
17,400.00	7,082.68	6,563.00	6,439.85	302.17	31.24	-70.63	-1,855.85	318.13	9,750.44	9,654.21	96.24	101.317		
17,500.00	7,082.91	6,563.00	6,439.85	305.01	31.24	-70.63	-1,855.85	318.13	9,848.67	9,752.40	96.27	102.306		
17,600.00	7,083.14	6,563.00	6,439.85	307.85	31.24	-70.63	-1,855.85	318.13	9,946.93	9,850.63	96.30	103.293		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	145.39	-732.61	505.60	890.21					
100.00	100.00	90.84	90.84	3.28	3.29	145.37	-732.37	505.79	890.05	883.48	6.57	135.455		
200.00	200.00	192.90	192.89	3.34	3.31	145.30	-731.51	506.45	889.72	883.08	6.64	133.908		
300.00	300.00	290.74	290.72	3.44	3.36	145.20	-730.20	507.56	889.28	882.47	6.80	130.682		
400.00	399.98	383.47	383.43	3.60	3.47	49.66	-729.26	509.27	888.36	881.29	7.07	125.648		
500.00	499.84	476.94	476.87	3.80	3.62	49.80	-728.86	511.51	885.99	878.57	7.42	119.395		
600.00	599.45	570.32	570.23	4.04	3.81	50.22	-729.76	512.95	882.06	874.21	7.85	112.428		
700.00	698.70	659.74	659.61	4.31	4.02	50.91	-732.16	513.45	876.84	868.51	8.33	105.318		
800.00	797.47	743.05	742.81	4.62	4.23	51.85	-736.50	512.90	871.04	862.19	8.85	98.436		
900.00	895.62	821.57	821.03	4.97	4.45	53.04	-743.19	511.38	865.53	856.12	9.41	91.973		
980.89	974.49	887.11	886.08	5.27	4.65	54.27	-750.76	509.03	861.41	851.50	9.91	86.967		
1,000.00	993.07	902.40	901.21	5.34	4.70	54.57	-752.78	508.32	860.52	850.50	10.03	85.835		
1,100.00	1,090.26	973.96	971.82	5.75	4.93	56.06	-763.75	504.45	857.99	847.34	10.66	80.517		
1,116.60	1,106.39	985.70	983.36	5.82	4.97	56.32	-765.80	503.74	857.94	847.18	10.76	79.711 CC, ES		
1,200.00	1,187.45	1,057.02	1,053.30	6.17	5.21	57.91	-779.02	499.20	858.85	847.50	11.35	75.667		
1,300.00	1,284.64	1,145.88	1,140.31	6.62	5.54	59.91	-796.07	493.41	861.67	849.58	12.09	71.267		
1,400.00	1,381.83	1,231.52	1,224.17	7.07	5.87	61.78	-812.81	488.69	866.48	853.63	12.85	67.434		
1,500.00	1,479.01	1,315.09	1,305.78	7.54	6.21	63.61	-830.21	484.16	873.70	860.08	13.62	64.166		
1,600.00	1,576.20	1,402.60	1,390.99	8.02	6.58	65.53	-849.47	479.07	883.14	868.72	14.42	61.265		
1,700.00	1,673.39	1,495.58	1,481.42	8.50	6.98	67.57	-870.28	473.21	894.07	878.82	15.26	58.608		
1,800.00	1,770.58	1,585.27	1,568.50	8.99	7.38	69.55	-890.82	466.77	906.58	890.48	16.09	56.339		
1,900.00	1,867.77	1,679.00	1,659.57	9.48	7.81	71.50	-912.22	461.14	920.46	903.50	16.96	54.273		
2,000.00	1,964.96	1,772.91	1,750.95	9.98	8.25	73.31	-933.43	456.82	935.42	917.58	17.84	52.442		
2,100.00	2,062.15	1,869.86	1,845.36	10.49	8.70	75.08	-955.18	453.25	951.31	932.57	18.74	50.762		
2,200.00	2,159.34	1,974.63	1,947.65	10.99	9.19	76.87	-977.65	450.27	967.18	947.49	19.70	49.097		
2,300.00	2,256.53	2,071.85	2,042.50	11.50	9.65	78.63	-998.24	444.85	983.48	962.86	20.62	47.697		
2,400.00	2,353.71	2,181.18	2,149.36	12.01	10.17	80.55	-1,020.52	438.60	999.92	978.30	21.62	46.245		
2,500.00	2,450.90	2,292.46	2,258.56	12.53	10.70	82.40	-1,041.12	432.92	1,015.38	992.74	22.64	44.851		
2,600.00	2,548.09	2,386.19	2,350.70	13.04	11.14	83.89	-1,057.73	428.37	1,030.87	1,007.32	23.55	43.777		
2,700.00	2,645.28	2,506.87	2,469.48	13.56	11.70	85.74	-1,078.31	422.90	1,046.53	1,021.90	24.63	42.493		
2,800.00	2,742.47	2,578.18	2,539.73	14.08	12.04	86.79	-1,090.22	419.94	1,062.40	1,037.00	25.40	41.829		
2,900.00	2,839.66	2,689.83	2,649.57	14.60	12.57	88.36	-1,109.71	415.67	1,079.71	1,053.27	26.43	40.848		
3,000.00	2,936.85	2,761.17	2,719.78	15.12	12.91	89.35	-1,122.00	412.77	1,097.36	1,070.16	27.20	40.349		
3,100.00	3,034.04	2,854.45	2,811.28	15.65	13.36	90.65	-1,139.48	407.94	1,117.18	1,089.06	28.11	39.741		
3,200.00	3,131.22	2,953.36	2,908.44	16.17	13.83	91.97	-1,157.40	403.10	1,136.94	1,107.87	29.07	39.112		
3,300.00	3,228.41	3,053.34	3,006.48	16.69	14.45	93.63	-1,178.95	397.30	1,155.72	1,125.48	30.24	38.214		
3,400.00	3,325.60	3,149.61	3,101.80	17.22	14.76	94.44	-1,189.80	394.52	1,174.77	1,143.80	30.97	37.935		
3,500.00	3,422.79	3,225.31	3,176.11	17.75	15.13	95.33	-1,203.89	391.44	1,196.35	1,164.60	31.75	37.680		
3,600.00	3,519.98	3,358.07	3,306.46	18.27	15.78	96.74	-1,228.74	387.76	1,218.42	1,185.45	32.97	36.951		
3,700.00	3,617.17	3,442.02	3,389.15	18.80	16.18	97.61	-1,243.07	385.48	1,239.05	1,205.23	33.82	36.633		
3,800.00	3,714.36	3,528.25	3,473.98	19.33	16.59	98.50	-1,258.32	382.78	1,260.74	1,226.05	34.69	36.344		
3,900.00	3,811.55	3,615.94	3,560.13	19.86	17.02	99.37	-1,274.35	379.81	1,283.41	1,247.84	35.56	36.087		
4,000.00	3,908.74	3,717.22	3,659.63	20.39	17.51	100.37	-1,292.85	375.86	1,306.56	1,270.01	36.55	35.746		
4,100.00	4,005.92	3,804.58	3,745.49	20.92	17.94	101.22	-1,308.54	371.98	1,329.94	1,292.51	37.42	35.538		
4,200.00	4,103.11	3,870.08	3,809.69	21.45	18.26	101.84	-1,321.11	369.01	1,354.86	1,316.75	38.10	35.558		
4,300.00	4,200.30	3,932.99	3,871.03	21.98	18.58	102.40	-1,334.73	365.75	1,382.41	1,343.67	38.74	35.683		
4,400.00	4,297.49	4,007.27	3,943.14	22.51	18.96	103.03	-1,352.12	361.91	1,411.87	1,372.39	39.48	35.761		
4,500.00	4,394.68	4,112.00	4,044.75	23.04	19.50	103.91	-1,376.75	355.87	1,441.89	1,401.36	40.53	35.578		
4,600.00	4,491.87	4,241.31	4,170.59	23.57	20.16	105.00	-1,405.31	347.67	1,471.28	1,429.48	41.80	35.194		
4,700.00	4,589.06	4,400.46	4,326.96	24.10	20.94	106.38	-1,433.20	337.76	1,496.46	1,453.17	43.30	34.562		
4,800.00	4,686.25	4,493.87	4,419.01	24.64	21.39	107.14	-1,448.28	332.82	1,520.59	1,476.38	44.22	34.390		
4,900.00	4,783.43	4,574.77	4,498.64	25.17	21.78	107.75	-1,462.08	329.26	1,545.42	1,500.38	45.03	34.317		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,678.48	4,600.66	25.70	22.29	108.47	-1,480.30	325.31	1,570.65	1,524.60	46.04	34.112		
5,100.00	4,977.81	4,788.78	4,709.35	26.23	22.82	109.29	-1,498.14	319.56	1,595.53	1,548.43	47.10	33.874		
5,200.00	5,075.00	4,925.23	4,844.31	26.77	23.46	110.34	-1,516.77	312.05	1,618.52	1,570.17	48.35	33.476		
5,300.00	5,172.19	5,062.59	4,980.61	27.30	24.09	111.41	-1,532.03	304.46	1,639.75	1,590.19	49.56	33.084		
5,400.00	5,269.38	5,175.48	5,092.83	27.83	24.59	112.26	-1,543.15	299.29	1,659.77	1,609.17	50.59	32.805		
5,457.75	5,325.51	5,336.31	5,253.20	28.14	25.28	113.52	-1,552.62	292.43	1,669.86	1,618.18	51.68	32.312		
5,500.00	5,366.64	5,402.33	5,319.18	28.37	25.54	114.14	-1,553.68	290.39	1,675.11	1,622.95	52.16	32.118		
5,600.00	5,464.53	5,508.91	5,425.72	28.87	25.95	115.08	-1,554.08	287.58	1,685.44	1,632.37	53.06	31.762		
5,700.00	5,563.07	5,629.49	5,546.28	29.35	26.42	115.93	-1,554.10	285.14	1,693.93	1,639.94	53.99	31.374		
5,800.00	5,662.15	5,716.54	5,633.30	29.80	26.74	116.47	-1,553.82	283.19	1,700.84	1,646.06	54.78	31.048		
5,900.00	5,761.64	5,854.58	5,771.32	30.23	27.25	117.06	-1,552.04	281.26	1,704.95	1,649.25	55.70	30.610		
6,000.00	5,861.42	5,956.09	5,872.82	30.64	27.62	117.29	-1,550.80	281.91	1,706.58	1,650.10	56.48	30.215		
6,100.00	5,961.36	6,050.96	5,967.67	31.02	27.96	117.38	-1,549.90	282.56	1,706.84	1,649.61	57.23	29.824		
6,138.64	6,000.00	6,087.55	6,004.27	31.16	28.09	-147.10	-1,549.56	282.68	1,706.59	1,649.08	57.51	29.673		
6,200.00	6,061.36	6,147.28	6,063.99	31.38	28.31	-147.09	-1,548.93	282.63	1,706.07	1,648.11	57.96	29.435		
6,300.00	6,161.36	7,698.00	7,062.61	31.74	36.93	-176.59	-1,534.03	1,124.98	1,687.68	1,631.70	55.98	30.147		
6,400.00	6,261.36	7,698.00	7,062.61	32.10	36.93	-176.59	-1,534.03	1,124.98	1,635.80	1,577.60	58.19	28.110		
6,500.00	6,361.36	7,698.00	7,062.61	32.46	36.93	-176.59	-1,534.03	1,124.98	1,588.52	1,528.12	60.39	26.304		
6,562.02	6,423.38	7,698.00	7,062.61	32.68	36.93	-176.59	-1,534.03	1,124.98	1,561.69	1,499.96	61.73	25.298		
6,600.00	6,461.34	7,698.00	7,062.61	32.82	36.93	-87.81	-1,534.03	1,124.98	1,546.21	1,483.67	62.53	24.726		
6,650.00	6,511.08	7,681.68	7,062.00	32.99	36.70	-89.04	-1,533.12	1,108.70	1,526.76	1,463.40	63.35	24.099		
6,700.00	6,560.29	7,677.34	7,061.88	33.17	36.63	-90.60	-1,532.88	1,104.37	1,508.76	1,444.48	64.28	23.472		
6,750.00	6,608.64	7,670.46	7,061.71	33.36	36.53	-91.91	-1,532.52	1,097.50	1,492.22	1,427.09	65.13	22.912		
6,800.00	6,655.86	7,660.90	7,061.53	33.56	36.39	-92.96	-1,532.03	1,087.96	1,477.24	1,411.35	65.90	22.418		
6,850.00	6,701.64	7,648.57	7,061.41	33.78	36.21	-93.75	-1,531.42	1,075.65	1,463.88	1,397.30	66.58	21.988		
6,900.00	6,745.71	7,633.38	7,061.43	34.01	35.99	-94.29	-1,530.71	1,060.47	1,452.16	1,384.99	67.17	21.620		
6,950.00	6,787.79	7,615.27	7,061.68	34.27	35.73	-94.61	-1,529.93	1,042.38	1,442.07	1,374.40	67.67	21.311		
7,000.00	6,827.62	7,592.58	7,062.27	34.56	35.42	-94.68	-1,529.05	1,019.71	1,433.55	1,365.48	68.07	21.058		
7,050.00	6,864.96	7,565.60	7,062.66	34.87	35.07	-94.52	-1,528.18	992.75	1,426.47	1,358.06	68.41	20.850		
7,100.00	6,899.58	7,537.42	7,062.55	35.21	34.72	-94.25	-1,527.50	964.58	1,420.75	1,352.03	68.71	20.676		
7,150.00	6,931.26	7,508.00	7,061.88	35.60	34.35	-93.88	-1,527.03	935.17	1,416.31	1,347.33	68.98	20.533		
7,200.00	6,959.81	7,477.81	7,060.22	36.02	34.01	-93.42	-1,526.83	905.02	1,413.07	1,343.79	69.27	20.399		
7,250.00	6,985.06	7,447.65	7,057.26	36.47	33.69	-92.89	-1,526.94	875.01	1,410.97	1,341.40	69.57	20.282		
7,300.00	7,006.84	7,414.00	7,052.41	36.97	33.33	-92.22	-1,527.43	841.73	1,409.97	1,340.15	69.83	20.193		
7,326.21	7,016.82	7,403.06	7,050.47	37.26	33.23	-91.99	-1,527.68	830.96	1,409.87	1,339.81	70.06	20.125		
7,350.00	7,025.02	7,390.11	7,047.95	37.51	33.11	-91.70	-1,528.04	818.26	1,410.03	1,339.80	70.23	20.077		
7,400.00	7,039.49	7,362.98	7,041.83	38.09	32.87	-91.05	-1,529.04	791.86	1,411.16	1,340.55	70.61	19.984		
7,450.00	7,050.17	7,335.98	7,034.63	38.70	32.64	-90.35	-1,530.35	765.87	1,413.29	1,342.29	71.00	19.904		
7,500.00	7,056.98	7,304.30	7,024.85	39.33	32.40	-89.52	-1,532.24	735.80	1,416.33	1,344.95	71.39	19.841		
7,550.00	7,059.89	7,264.50	7,011.14	39.99	32.15	-88.55	-1,534.78	698.52	1,419.90	1,348.16	71.74	19.791		
7,560.55	7,060.00	7,256.11	7,008.06	40.13	32.10	-88.35	-1,535.33	690.73	1,420.71	1,348.89	71.82	19.782		
7,600.00	7,060.09	7,225.41	6,996.25	40.67	31.93	-87.88	-1,537.37	662.47	1,423.88	1,351.77	72.11	19.745		
7,700.00	7,060.32	7,200.00	6,918.82	42.14	33.98	-84.77	-1,542.95	539.96	1,432.07	1,356.07	76.00	18.844 SF		
7,800.00	7,060.55	7,002.83	6,867.55	43.75	31.25	-82.72	-1,541.74	483.28	1,439.77	1,365.98	73.80	19.510		
7,900.00	7,060.78	6,977.38	6,848.67	45.48	31.18	-81.96	-1,541.47	466.22	1,452.41	1,377.22	75.18	19.318		
8,000.00	7,061.01	6,939.00	6,819.32	47.33	31.08	-80.81	-1,542.20	441.51	1,470.84	1,394.35	76.48	19.231		
8,100.00	7,061.24	6,914.56	6,800.04	49.27	31.01	-80.06	-1,542.95	426.50	1,494.23	1,416.41	77.83	19.200		
8,200.00	7,061.47	6,857.06	6,752.73	51.29	30.84	-78.22	-1,543.54	393.86	1,521.92	1,443.01	78.91	19.288		
8,300.00	7,061.70	6,824.49	6,724.81	53.40	30.74	-77.14	-1,543.22	377.11	1,553.95	1,473.91	80.04	19.416		
8,400.00	7,061.93	6,800.64	6,703.82	55.57	30.66	-76.34	-1,542.92	365.77	1,590.81	1,509.70	81.11	19.612		
8,500.00	7,062.16	6,779.85	6,685.20	57.80	30.59	-75.62	-1,542.63	356.54	1,632.35	1,550.25	82.10	19.882		
8,600.00	7,062.39	6,751.00	6,658.87	60.08	30.50	-74.63	-1,542.18	344.76	1,678.41	1,595.50	82.91	20.243		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	6,751.00	6,658.87	62.42	30.50	-74.63	-1,542.18	344.76	1,728.50	1,644.70	83.81	20.625		
8,800.00	7,062.86	6,751.00	6,658.87	64.79	30.50	-74.63	-1,542.18	344.76	1,782.80	1,698.22	84.58	21.079		
8,900.00	7,063.09	6,720.59	6,630.63	67.20	30.39	-73.57	-1,541.88	333.47	1,840.19	1,755.11	85.08	21.630		
9,000.00	7,063.32	6,709.17	6,619.93	69.65	30.35	-73.17	-1,541.88	329.49	1,901.13	1,815.54	85.59	22.211		
9,100.00	7,063.55	6,698.52	6,609.90	72.12	30.32	-72.80	-1,541.93	325.90	1,965.09	1,879.05	86.03	22.841		
9,200.00	7,063.78	6,688.56	6,600.50	74.63	30.28	-72.46	-1,542.02	322.66	2,031.78	1,945.38	86.40	23.515		
9,300.00	7,064.01	6,656.00	6,569.46	77.16	30.17	-71.33	-1,542.62	312.81	2,101.42	2,014.81	86.61	24.264		
9,400.00	7,064.24	6,656.00	6,569.46	79.71	30.17	-71.33	-1,542.62	312.81	2,172.62	2,085.71	86.91	24.999		
9,500.00	7,064.47	6,656.00	6,569.46	82.28	30.17	-71.33	-1,542.62	312.81	2,246.02	2,158.86	87.15	25.771		
9,600.00	7,064.70	6,656.00	6,569.46	84.87	30.17	-71.33	-1,542.62	312.81	2,321.40	2,234.05	87.35	26.575		
9,700.00	7,064.93	6,656.00	6,569.46	87.47	30.17	-71.33	-1,542.62	312.81	2,398.58	2,311.08	87.51	27.409		
9,800.00	7,065.16	6,656.00	6,569.46	90.09	30.17	-71.33	-1,542.62	312.81	2,477.40	2,389.77	87.63	28.271		
9,900.00	7,065.39	6,627.06	6,541.60	92.73	30.06	-70.34	-1,543.30	305.02	2,557.19	2,469.54	87.65	29.176		
10,000.00	7,065.62	6,619.24	6,534.03	95.38	30.04	-70.07	-1,543.46	303.06	2,638.52	2,550.82	87.70	30.085		
10,100.00	7,065.85	6,611.92	6,526.93	98.04	30.01	-69.82	-1,543.60	301.30	2,721.03	2,633.29	87.74	31.013		
10,200.00	7,066.08	6,605.07	6,520.27	100.71	29.98	-69.58	-1,543.72	299.69	2,804.61	2,716.85	87.76	31.957		
10,300.00	7,066.31	6,598.63	6,514.00	103.39	29.96	-69.36	-1,543.83	298.23	2,889.19	2,801.42	87.77	32.917		
10,400.00	7,066.54	6,562.00	6,478.14	106.08	29.83	-68.12	-1,544.30	290.77	2,975.25	2,887.57	87.68	33.932		
10,500.00	7,066.77	6,562.00	6,478.14	108.78	29.83	-68.12	-1,544.30	290.77	3,061.38	2,973.69	87.69	34.910		
10,600.00	7,067.01	6,562.00	6,478.14	111.48	29.83	-68.12	-1,544.30	290.77	3,148.33	3,060.64	87.69	35.901		
10,700.00	7,067.24	6,562.00	6,478.14	114.20	29.83	-68.12	-1,544.30	290.77	3,236.04	3,148.35	87.69	36.904		
10,800.00	7,067.47	6,562.00	6,478.14	116.92	29.83	-68.12	-1,544.30	290.77	3,324.44	3,236.77	87.67	37.918		
10,900.00	7,067.70	6,562.00	6,478.14	119.65	29.83	-68.12	-1,544.30	290.77	3,413.48	3,325.82	87.65	38.942		
11,000.00	7,067.93	6,562.00	6,478.14	122.38	29.83	-68.12	-1,544.30	290.77	3,503.11	3,415.48	87.63	39.976		
11,100.00	7,068.16	6,562.00	6,478.14	125.12	29.83	-68.12	-1,544.30	290.77	3,593.29	3,505.69	87.60	41.017		
11,200.00	7,068.39	6,562.00	6,478.14	127.86	29.83	-68.12	-1,544.30	290.77	3,683.98	3,596.40	87.57	42.067		
11,300.00	7,068.62	6,562.00	6,478.14	130.61	29.83	-68.12	-1,544.30	290.77	3,775.13	3,687.59	87.54	43.124		
11,400.00	7,068.85	6,562.00	6,478.14	133.37	29.83	-68.12	-1,544.30	290.77	3,866.73	3,779.22	87.51	44.187		
11,500.00	7,069.08	6,562.00	6,478.14	136.12	29.83	-68.12	-1,544.30	290.77	3,958.73	3,871.25	87.47	45.256		
11,600.00	7,069.31	6,562.00	6,478.14	138.89	29.83	-68.12	-1,544.30	290.77	4,051.11	3,963.67	87.44	46.330		
11,700.00	7,069.54	6,562.00	6,478.14	141.65	29.83	-68.12	-1,544.30	290.77	4,143.84	4,056.43	87.40	47.410		
11,800.00	7,069.77	6,562.00	6,478.14	144.42	29.83	-68.12	-1,544.30	290.77	4,236.90	4,149.53	87.37	48.494		
11,900.00	7,070.00	6,562.00	6,478.14	147.19	29.83	-68.12	-1,544.30	290.77	4,330.28	4,242.94	87.33	49.583		
12,000.00	7,070.23	6,562.00	6,478.14	149.97	29.83	-68.12	-1,544.30	290.77	4,423.94	4,336.64	87.30	50.675		
12,100.00	7,070.46	6,562.00	6,478.14	152.75	29.83	-68.12	-1,544.30	290.77	4,517.87	4,430.61	87.27	51.771		
12,200.00	7,070.69	6,562.00	6,478.14	155.53	29.83	-68.12	-1,544.30	290.77	4,612.06	4,524.83	87.23	52.870		
12,300.00	7,070.92	6,562.00	6,478.14	158.32	29.83	-68.12	-1,544.30	290.77	4,706.49	4,619.29	87.20	53.972		
12,400.00	7,071.16	6,562.00	6,478.14	161.10	29.83	-68.12	-1,544.30	290.77	4,801.15	4,713.97	87.17	55.076		
12,500.00	7,071.39	6,562.00	6,478.14	163.89	29.83	-68.12	-1,544.30	290.77	4,896.01	4,808.87	87.14	56.183		
12,600.00	7,071.62	6,562.00	6,478.14	166.69	29.83	-68.12	-1,544.30	290.77	4,991.08	4,903.97	87.12	57.292		
12,700.00	7,071.85	6,562.00	6,478.14	169.48	29.83	-68.12	-1,544.30	290.77	5,086.34	4,999.25	87.09	58.403		
12,800.00	7,072.08	6,562.00	6,478.14	172.28	29.83	-68.12	-1,544.30	290.77	5,181.78	5,094.71	87.06	59.516		
12,900.00	7,072.31	6,562.00	6,478.14	175.08	29.83	-68.12	-1,544.30	290.77	5,277.38	5,190.34	87.04	60.631		
13,000.00	7,072.54	6,562.00	6,478.14	177.88	29.83	-68.12	-1,544.30	290.77	5,373.15	5,286.13	87.02	61.746		
13,100.00	7,072.77	6,562.00	6,478.14	180.68	29.83	-68.12	-1,544.30	290.77	5,469.06	5,382.06	87.00	62.863		
13,200.00	7,073.00	6,562.00	6,478.14	183.48	29.83	-68.12	-1,544.30	290.77	5,565.12	5,478.14	86.98	63.981		
13,300.00	7,073.23	6,562.00	6,478.14	186.29	29.83	-68.12	-1,544.30	290.77	5,661.32	5,574.35	86.96	65.100		
13,400.00	7,073.46	6,562.00	6,478.14	189.09	29.83	-68.12	-1,544.30	290.77	5,757.64	5,670.70	86.95	66.220		
13,500.00	7,073.69	6,562.00	6,478.14	191.90	29.83	-68.12	-1,544.30	290.77	5,854.09	5,767.16	86.93	67.340		
13,600.00	7,073.92	6,562.00	6,478.14	194.71	29.83	-68.12	-1,544.30	290.77	5,950.66	5,863.74	86.92	68.461		
13,700.00	7,074.15	6,562.00	6,478.14	197.52	29.83	-68.12	-1,544.30	290.77	6,047.34	5,960.43	86.91	69.582		
13,800.00	7,074.38	6,562.00	6,478.14	200.34	29.83	-68.12	-1,544.30	290.77	6,144.12	6,057.22	86.90	70.703		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,562.00	6,478.14	203.15	29.83	-68.12	-1,544.30	290.77	6,241.01	6,154.12	86.89	71.825		
14,000.00	7,074.84	6,562.00	6,478.14	205.97	29.83	-68.12	-1,544.30	290.77	6,337.99	6,251.11	86.89	72.946		
14,100.00	7,075.07	6,562.00	6,478.14	208.78	29.83	-68.12	-1,544.30	290.77	6,435.07	6,348.19	86.88	74.067		
14,200.00	7,075.30	6,519.00	6,435.60	211.60	29.67	-66.66	-1,544.73	284.65	6,530.32	6,443.48	86.85	75.195		
14,300.00	7,075.54	6,518.28	6,434.88	214.42	29.67	-66.64	-1,544.74	284.58	6,627.51	6,540.66	86.84	76.316		
14,400.00	7,075.77	6,517.58	6,434.19	217.24	29.66	-66.61	-1,544.75	284.51	6,724.77	6,637.93	86.84	77.436		
14,500.00	7,076.00	6,516.90	6,433.51	220.06	29.66	-66.59	-1,544.75	284.44	6,822.12	6,735.27	86.84	78.556		
14,600.00	7,076.23	6,516.24	6,432.85	222.88	29.66	-66.57	-1,544.76	284.38	6,919.54	6,832.69	86.85	79.676		
14,700.00	7,076.46	6,515.59	6,432.21	225.70	29.66	-66.55	-1,544.77	284.32	7,017.03	6,930.18	86.85	80.795		
14,800.00	7,076.69	6,514.97	6,431.58	228.53	29.65	-66.53	-1,544.77	284.26	7,114.59	7,027.73	86.86	81.913		
14,900.00	7,076.92	6,514.35	6,430.97	231.35	29.65	-66.50	-1,544.78	284.20	7,212.21	7,125.35	86.86	83.031		
15,000.00	7,077.15	6,513.76	6,430.38	234.18	29.65	-66.48	-1,544.79	284.15	7,309.90	7,223.03	86.87	84.148		
15,100.00	7,077.38	6,513.18	6,429.80	237.00	29.65	-66.47	-1,544.79	284.10	7,407.65	7,320.77	86.88	85.264		
15,200.00	7,077.61	6,512.61	6,429.24	239.83	29.65	-66.45	-1,544.80	284.05	7,505.46	7,418.57	86.89	86.379		
15,300.00	7,077.84	6,512.06	6,428.69	242.66	29.64	-66.43	-1,544.80	284.00	7,603.32	7,516.42	86.90	87.493		
15,400.00	7,078.07	6,511.53	6,428.16	245.49	29.64	-66.41	-1,544.81	283.95	7,701.24	7,614.33	86.91	88.607		
15,500.00	7,078.30	6,468.00	6,384.69	248.31	29.48	-64.96	-1,545.26	282.05	7,801.11	7,714.22	86.88	89.787		
15,600.00	7,078.53	6,468.00	6,384.69	251.14	29.48	-64.96	-1,545.26	282.05	7,899.08	7,812.18	86.90	90.897		
15,700.00	7,078.76	6,468.00	6,384.69	253.97	29.48	-64.96	-1,545.26	282.05	7,997.11	7,910.19	86.92	92.006		
15,800.00	7,078.99	6,468.00	6,384.69	256.80	29.48	-64.96	-1,545.26	282.05	8,095.19	8,008.25	86.94	93.114		
15,900.00	7,079.22	6,468.00	6,384.69	259.64	29.48	-64.96	-1,545.26	282.05	8,193.31	8,106.35	86.96	94.220		
16,000.00	7,079.45	6,468.00	6,384.69	262.47	29.48	-64.96	-1,545.26	282.05	8,291.47	8,204.49	86.98	95.326		
16,100.00	7,079.69	6,468.00	6,384.69	265.30	29.48	-64.96	-1,545.26	282.05	8,389.68	8,302.68	87.00	96.429		
16,200.00	7,079.92	6,468.00	6,384.69	268.13	29.48	-64.96	-1,545.26	282.05	8,487.93	8,400.90	87.03	97.532		
16,300.00	7,080.15	6,468.00	6,384.69	270.97	29.48	-64.96	-1,545.26	282.05	8,586.22	8,499.17	87.05	98.633		
16,400.00	7,080.38	6,468.00	6,384.69	273.80	29.48	-64.96	-1,545.26	282.05	8,684.55	8,597.48	87.08	99.733		
16,500.00	7,080.61	6,468.00	6,384.69	276.64	29.48	-64.96	-1,545.26	282.05	8,782.92	8,695.82	87.11	100.831		
16,600.00	7,080.84	6,468.00	6,384.69	279.47	29.48	-64.96	-1,545.26	282.05	8,881.33	8,794.19	87.13	101.927		
16,700.00	7,081.07	6,468.00	6,384.69	282.31	29.48	-64.96	-1,545.26	282.05	8,979.77	8,892.60	87.16	103.022		
16,800.00	7,081.30	6,468.00	6,384.69	285.14	29.48	-64.96	-1,545.26	282.05	9,078.24	8,991.05	87.19	104.116		
16,900.00	7,081.53	6,468.00	6,384.69	287.98	29.48	-64.96	-1,545.26	282.05	9,176.75	9,089.52	87.23	105.207		
17,000.00	7,081.76	6,468.00	6,384.69	290.82	29.48	-64.96	-1,545.26	282.05	9,275.29	9,188.03	87.26	106.297		
17,100.00	7,081.99	6,468.00	6,384.69	293.65	29.48	-64.96	-1,545.26	282.05	9,373.86	9,286.56	87.29	107.385		
17,200.00	7,082.22	6,468.00	6,384.69	296.49	29.48	-64.96	-1,545.26	282.05	9,472.46	9,385.13	87.33	108.472		
17,300.00	7,082.45	6,468.00	6,384.69	299.33	29.48	-64.96	-1,545.26	282.05	9,571.08	9,483.72	87.36	109.556		
17,400.00	7,082.68	6,468.00	6,384.69	302.17	29.48	-64.96	-1,545.26	282.05	9,669.74	9,582.34	87.40	110.639		
17,500.00	7,082.91	6,468.00	6,384.69	305.01	29.48	-64.96	-1,545.26	282.05	9,768.43	9,680.99	87.44	111.720		
17,600.00	7,083.14	6,468.00	6,384.69	307.85	29.48	-64.96	-1,545.26	282.05	9,867.14	9,779.66	87.48	112.799		
17,700.00	7,083.37	6,468.00	6,384.69	310.69	29.48	-64.96	-1,545.26	282.05	9,965.87	9,878.36	87.51	113.876		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	139.47	-592.72	506.71	779.86					
100.00	100.00	87.87	87.87	3.28	0.20	139.45	-592.52	507.03	779.85	776.37	3.48	224.254	CC, ES	
200.00	200.00	177.05	177.04	3.34	0.47	139.35	-592.03	508.25	780.36	776.54	3.82	204.517		
300.00	300.00	255.35	255.26	3.44	0.82	139.17	-592.16	511.62	783.29	778.98	4.31	181.706		
400.00	399.98	329.00	328.70	3.60	1.16	43.40	-592.83	517.07	787.69	782.83	4.86	162.181		
500.00	499.84	407.01	406.25	3.80	1.52	43.15	-594.44	525.42	792.59	787.14	5.45	145.460		
600.00	599.45	480.09	478.57	4.04	1.85	42.97	-597.33	535.51	798.35	792.27	6.08	131.247		
700.00	698.70	556.79	554.13	4.31	2.20	42.93	-602.32	547.63	804.79	798.04	6.75	119.306		
800.00	797.47	638.80	634.67	4.62	2.59	43.10	-609.90	561.10	811.19	803.76	7.44	109.074		
900.00	895.62	724.95	719.06	4.97	3.02	43.54	-620.03	575.12	816.95	808.79	8.16	100.149		
980.89	974.49	795.20	787.75	5.27	3.37	44.12	-630.09	585.91	820.98	812.22	8.76	93.735		
1,000.00	993.07	814.01	806.11	5.34	3.46	44.33	-633.08	588.62	821.87	812.97	8.91	92.265		
1,100.00	1,090.26	915.79	905.51	5.75	3.96	45.67	-651.43	600.49	826.76	817.06	9.71	85.163		
1,200.00	1,187.45	1,036.74	1,023.66	6.17	4.52	47.77	-676.28	607.20	830.65	820.06	10.59	78.438		
1,300.00	1,284.64	1,142.04	1,126.38	6.62	4.99	50.02	-699.34	606.10	832.84	821.39	11.45	72.711		
1,400.00	1,381.83	1,226.03	1,207.72	7.07	5.37	52.04	-719.88	602.07	836.58	824.31	12.27	68.184		
1,500.00	1,479.01	1,305.98	1,284.50	7.54	5.73	54.10	-741.55	596.89	843.31	830.23	13.08	64.461		
1,600.00	1,576.20	1,388.32	1,363.06	8.02	6.11	56.28	-765.45	590.82	853.01	839.10	13.91	61.308		
1,700.00	1,673.39	1,472.91	1,443.46	8.50	6.51	58.52	-790.87	584.21	865.23	850.46	14.76	58.610		
1,800.00	1,770.58	1,555.84	1,521.94	8.99	6.93	60.71	-816.78	577.35	880.10	864.50	15.61	56.391		
1,900.00	1,867.77	1,650.60	1,611.48	9.48	7.41	63.17	-846.69	569.07	896.88	880.36	16.52	54.275		
2,000.00	1,964.96	1,756.11	1,711.44	9.98	7.97	65.81	-879.04	559.47	914.44	896.93	17.52	52.206		
2,100.00	2,062.15	1,847.23	1,798.12	10.49	8.45	67.98	-906.02	551.58	932.68	914.25	18.42	50.626		
2,200.00	2,159.34	1,914.19	1,861.70	10.99	8.81	69.47	-926.44	546.77	953.43	934.26	19.17	49.745		
2,300.00	2,256.53	1,992.33	1,935.52	11.50	9.25	71.05	-951.83	543.40	977.63	957.65	19.98	48.933		
2,400.00	2,353.71	2,087.44	2,025.44	12.01	9.79	72.83	-982.67	540.36	1,002.97	982.04	20.92	47.934		
2,500.00	2,450.90	2,190.34	2,122.95	12.53	10.37	74.63	-1,015.44	537.66	1,028.70	1,006.76	21.94	46.896		
2,600.00	2,548.09	2,289.70	2,217.48	13.04	10.93	76.27	-1,045.96	535.18	1,054.10	1,031.18	22.92	45.986		
2,700.00	2,645.28	2,379.54	2,302.97	13.56	11.44	77.68	-1,073.46	533.07	1,080.15	1,056.32	23.83	45.320		
2,800.00	2,742.47	2,477.01	2,395.61	14.08	11.99	79.24	-1,103.48	528.90	1,107.04	1,082.23	24.81	44.618		
2,900.00	2,839.66	2,572.02	2,486.12	14.60	12.52	80.66	-1,132.15	525.36	1,134.02	1,108.25	25.77	44.004		
3,000.00	2,936.85	2,662.06	2,571.90	15.12	13.03	81.90	-1,159.41	522.92	1,161.69	1,135.00	26.69	43.526		
3,100.00	3,034.04	2,751.72	2,657.25	15.65	13.54	83.06	-1,186.80	521.08	1,190.14	1,162.54	27.61	43.110		
3,200.00	3,131.22	2,840.15	2,741.36	16.17	14.05	84.14	-1,214.05	519.38	1,219.33	1,190.82	28.52	42.760		
3,300.00	3,228.41	2,924.55	2,821.50	16.69	14.53	85.22	-1,240.30	515.83	1,249.45	1,220.06	29.39	42.517		
3,400.00	3,325.60	3,006.76	2,899.37	17.22	15.01	86.23	-1,266.43	512.41	1,280.71	1,250.48	30.24	42.355		
3,500.00	3,422.79	3,095.28	2,983.01	17.75	15.52	87.26	-1,295.18	508.83	1,313.07	1,281.92	31.15	42.152		
3,600.00	3,519.98	3,194.94	3,077.34	18.27	16.10	88.34	-1,327.15	505.46	1,345.36	1,313.18	32.18	41.811		
3,700.00	3,617.17	3,284.04	3,161.70	18.80	16.62	89.25	-1,355.71	502.68	1,377.96	1,344.86	33.10	41.630		
3,800.00	3,714.36	3,386.29	3,258.49	19.33	17.21	90.30	-1,388.36	498.26	1,411.02	1,376.87	34.15	41.313		
3,900.00	3,811.55	3,505.94	3,372.43	19.86	17.89	91.46	-1,424.58	493.72	1,442.68	1,407.30	35.37	40.784		
4,000.00	3,908.74	3,623.27	3,484.69	20.39	18.56	92.48	-1,458.62	491.03	1,473.20	1,436.64	36.56	40.295		
4,100.00	4,005.92	3,707.90	3,565.76	20.92	19.03	93.16	-1,482.84	489.63	1,503.48	1,466.03	37.44	40.154		
4,200.00	4,103.11	3,793.22	3,647.41	21.45	19.51	93.86	-1,507.49	487.37	1,534.48	1,496.15	38.33	40.032		
4,300.00	4,200.30	4,300.00	3,750.13	21.98	22.34	94.74	-1,537.68	483.72	1,565.17	1,523.76	41.42	37.790		
4,400.00	4,297.49	3,963.60	3,810.71	22.51	20.46	95.24	-1,555.71	481.50	1,596.64	1,556.54	40.10	39.818		
4,500.00	4,394.68	4,019.71	3,864.04	23.04	20.79	95.67	-1,573.03	479.15	1,630.56	1,589.87	40.69	40.075		
4,600.00	4,491.87	4,085.00	3,925.61	23.57	21.17	96.16	-1,594.52	476.08	1,666.68	1,625.31	41.36	40.295		
4,700.00	4,589.06	4,141.92	3,978.93	24.10	21.52	96.57	-1,614.21	473.24	1,704.60	1,662.67	41.94	40.648		
4,800.00	4,686.25	4,209.87	4,042.26	24.64	21.93	97.04	-1,638.61	469.85	1,744.03	1,701.40	42.63	40.911		
4,900.00	4,783.43	4,285.34	4,112.26	25.17	22.40	97.52	-1,666.57	466.19	1,784.66	1,741.25	43.41	41.108		
5,000.00	4,880.62	4,398.33	4,217.20	25.70	23.09	98.20	-1,708.21	461.37	1,825.09	1,780.43	44.65	40.873		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	4,977.81	4,507.65	4,319.16	26.23	23.76	98.82	-1,747.38	457.03	1,864.63	1,818.79	45.84	40.678		
5,200.00	5,075.00	4,628.28	4,432.17	26.77	24.49	99.47	-1,789.37	452.79	1,903.25	1,856.10	47.15	40.370		
5,300.00	5,172.19	4,733.09	4,530.83	27.30	25.12	100.02	-1,824.58	449.35	1,940.75	1,892.49	48.26	40.211		
5,400.00	5,269.38	4,854.57	4,645.60	27.83	25.84	100.63	-1,864.18	445.41	1,977.48	1,927.92	49.56	39.903		
5,457.75	5,325.51	4,927.49	4,714.78	28.14	26.27	100.99	-1,887.17	443.44	1,998.07	1,947.74	50.32	39.704		
5,500.00	5,366.64	4,995.80	4,779.82	28.37	26.66	101.59	-1,907.98	441.97	2,012.61	1,961.58	51.03	39.441		
5,600.00	5,464.53	5,123.23	4,901.83	28.87	27.38	102.74	-1,944.61	439.07	2,045.04	1,992.73	52.31	39.096		
5,700.00	5,563.07	5,199.80	4,975.21	29.35	27.81	103.60	-1,966.37	436.97	2,076.65	2,023.58	53.07	39.133		
5,800.00	5,662.15	5,298.38	5,069.60	29.80	28.36	104.38	-1,994.73	434.58	2,107.75	2,053.73	54.01	39.022		
5,900.00	5,761.64	5,384.79	5,152.25	30.23	28.85	105.02	-2,019.87	433.02	2,138.12	2,083.30	54.82	39.001		
6,000.00	5,861.42	5,551.40	5,312.49	30.64	29.77	105.46	-2,065.46	431.75	2,165.21	2,108.86	56.35	38.422		
6,100.00	5,961.36	5,632.52	5,390.64	31.02	30.22	105.83	-2,087.19	431.59	2,191.15	2,134.08	57.07	38.393		
6,138.64	6,000.00	5,662.03	5,419.04	31.16	30.38	-158.53	-2,095.23	431.38	2,201.15	2,143.83	57.32	38.398		
6,200.00	6,061.36	5,719.20	5,474.00	31.38	30.70	-158.68	-2,110.96	430.97	2,217.10	2,159.28	57.82	38.347		
6,300.00	6,161.36	5,790.91	5,542.87	31.74	31.10	-158.86	-2,130.93	430.71	2,243.40	2,184.98	58.42	38.401		
6,400.00	6,261.36	5,857.00	5,606.03	32.10	31.47	-159.01	-2,150.33	429.25	2,271.51	2,212.54	58.97	38.521		
6,500.00	6,361.36	5,974.35	5,718.49	32.46	32.13	-159.21	-2,183.51	424.71	2,299.36	2,239.35	60.01	38.317		
6,562.02	6,423.38	6,006.00	5,748.81	32.68	32.31	-159.26	-2,192.49	423.38	2,316.76	2,256.50	60.26	38.448		
6,600.00	6,461.34	6,025.28	5,767.22	32.82	32.42	-68.08	-2,198.15	422.58	2,327.38	2,266.98	60.40	38.533		
6,650.00	6,511.08	6,053.13	5,793.75	32.99	32.58	-67.06	-2,206.58	421.43	2,340.52	2,279.92	60.61	38.618		
6,700.00	6,560.29	6,090.11	5,828.89	33.17	32.79	-66.26	-2,217.98	419.93	2,352.51	2,291.60	60.92	38.620		
6,750.00	6,608.64	6,750.00	5,927.03	33.36	36.54	-66.21	-2,249.03	416.57	2,362.60	2,297.87	64.73	36.499		
6,800.00	6,655.86	6,272.92	6,003.58	33.56	33.83	-66.31	-2,271.49	414.91	2,370.01	2,307.36	62.65	37.830		
6,850.00	6,701.64	6,296.80	6,026.47	33.78	33.97	-66.06	-2,278.29	414.56	2,376.25	2,313.36	62.89	37.785		
6,900.00	6,745.71	6,325.00	6,053.41	34.01	34.12	-65.98	-2,286.59	414.16	2,381.52	2,318.33	63.19	37.688		
6,950.00	6,787.79	6,343.30	6,070.86	34.27	34.23	-65.89	-2,292.12	413.89	2,385.81	2,322.39	63.43	37.616		
7,000.00	6,827.62	6,366.20	6,092.65	34.56	34.36	-65.96	-2,299.16	413.53	2,389.17	2,325.43	63.74	37.484		
7,050.00	6,864.96	6,387.70	6,113.06	34.87	34.49	-66.12	-2,305.89	413.15	2,391.63	2,327.55	64.08	37.325		
7,100.00	6,899.58	6,418.00	6,141.76	35.21	34.66	-66.53	-2,315.59	412.57	2,393.28	2,328.73	64.55	37.077		
7,150.00	6,931.26	6,429.62	6,152.76	35.60	34.73	-66.69	-2,319.36	412.33	2,394.05	2,329.17	64.88	36.901		
7,200.00	6,959.81	6,453.75	6,175.56	36.02	34.88	-67.16	-2,327.21	411.84	2,394.06	2,328.66	65.39	36.610		
7,250.00	6,985.06	6,475.21	6,195.84	36.47	35.00	-67.67	-2,334.22	411.39	2,393.33	2,327.39	65.94	36.296		
7,300.00	7,006.84	6,493.89	6,213.49	36.97	35.11	-68.19	-2,340.35	410.99	2,391.96	2,325.45	66.52	35.961		
7,350.00	7,025.02	6,509.68	6,228.39	37.51	35.21	-68.70	-2,345.54	410.65	2,390.04	2,322.92	67.12	35.607		
7,400.00	7,039.49	6,523.17	6,241.12	38.09	35.29	-69.21	-2,349.99	410.37	2,387.63	2,319.87	67.76	35.236		
7,450.00	7,050.17	6,533.35	6,250.73	38.70	35.35	-69.69	-2,353.35	410.16	2,384.80	2,316.38	68.42	34.855		
7,500.00	7,056.98	6,540.17	6,257.16	39.33	35.39	-70.12	-2,355.61	410.02	2,381.63	2,312.54	69.09	34.469		
7,550.00	7,059.89	6,543.62	6,260.42	39.99	35.41	-70.50	-2,356.75	409.96	2,378.16	2,308.38	69.77	34.084		
7,560.55	7,060.00	6,543.92	6,260.70	40.13	35.41	-70.57	-2,356.85	409.95	2,377.39	2,307.47	69.92	34.004		
7,600.00	7,060.09	6,544.75	6,261.48	40.67	35.42	-70.59	-2,357.12	409.93	2,374.82	2,304.36	70.46	33.703		
7,700.00	7,060.32	6,546.84	6,263.45	42.14	35.43	-70.64	-2,357.81	409.89	2,371.25	2,299.29	71.95	32.956		
7,734.94	7,060.40	6,547.56	6,264.13	42.70	35.43	-70.66	-2,358.05	409.88	2,370.99	2,298.47	72.52	32.696		
7,800.00	7,060.55	6,548.90	6,265.40	43.75	35.44	-70.69	-2,358.50	409.85	2,371.88	2,298.32	73.56	32.245		
7,900.00	7,060.78	6,550.94	6,267.32	45.48	35.45	-70.74	-2,359.17	409.82	2,376.72	2,301.47	75.26	31.581		
8,000.00	7,061.01	6,552.96	6,269.23	47.33	35.47	-70.79	-2,359.84	409.78	2,385.75	2,308.73	77.02	30.976		
8,100.00	7,061.24	6,554.95	6,271.11	49.27	35.48	-70.84	-2,360.50	409.74	2,398.91	2,320.09	78.82	30.435		
8,200.00	7,061.47	6,556.92	6,272.96	51.29	35.49	-70.88	-2,361.16	409.70	2,416.15	2,335.51	80.64	29.963		
8,300.00	7,061.70	6,558.87	6,274.80	53.40	35.50	-70.93	-2,361.80	409.67	2,437.36	2,354.91	82.45	29.562		
8,400.00	7,061.93	6,560.80	6,276.62	55.57	35.51	-70.98	-2,362.44	409.63	2,462.46	2,378.22	84.23	29.233		
8,500.00	7,062.16	6,562.70	6,278.42	57.80	35.52	-71.02	-2,363.07	409.60	2,491.31	2,405.33	85.98	28.975		
8,600.00	7,062.39	6,564.59	6,280.20	60.08	35.54	-71.07	-2,363.70	409.56	2,523.80	2,436.12	87.68	28.785		
8,700.00	7,062.63	6,566.45	6,281.95	62.42	35.55	-71.11	-2,364.32	409.53	2,559.79	2,470.47	89.31	28.660		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,062.86	6,568.30	6,283.69	64.79	35.56	-71.16	-2,364.93	409.50	2,599.12	2,508.24	90.88	28.599		
8,900.00	7,063.09	6,570.12	6,285.41	67.20	35.57	-71.20	-2,365.54	409.46	2,641.65	2,549.28	92.37	28.598 SF		
9,000.00	7,063.32	6,571.92	6,287.12	69.65	35.58	-71.25	-2,366.14	409.43	2,687.24	2,593.45	93.79	28.652		
9,100.00	7,063.55	6,573.71	6,288.80	72.12	35.59	-71.29	-2,366.73	409.40	2,735.72	2,640.59	95.13	28.759		
9,200.00	7,063.78	6,575.48	6,290.46	74.63	35.60	-71.33	-2,367.32	409.37	2,786.94	2,690.56	96.38	28.915		
9,300.00	7,064.01	6,577.22	6,292.11	77.16	35.61	-71.38	-2,367.90	409.34	2,840.76	2,743.20	97.56	29.117		
9,400.00	7,064.24	6,578.95	6,293.74	79.71	35.62	-71.42	-2,368.47	409.31	2,897.03	2,798.36	98.67	29.361		
9,500.00	7,064.47	6,580.66	6,295.35	82.28	35.63	-71.46	-2,369.04	409.28	2,955.62	2,855.92	99.70	29.645		
9,600.00	7,064.70	6,582.35	6,296.95	84.87	35.64	-71.50	-2,369.61	409.25	3,016.38	2,915.72	100.66	29.966		
9,700.00	7,064.93	6,584.03	6,298.53	87.47	35.65	-71.54	-2,370.16	409.22	3,079.19	2,977.63	101.55	30.321		
9,800.00	7,065.16	6,585.69	6,300.09	90.09	35.66	-71.58	-2,370.71	409.20	3,143.92	3,041.54	102.38	30.708		
9,900.00	7,065.39	6,587.33	6,301.64	92.73	35.67	-71.62	-2,371.26	409.17	3,210.46	3,107.31	103.15	31.124		
10,000.00	7,065.62	6,588.95	6,303.17	95.38	35.68	-71.66	-2,371.80	409.14	3,278.71	3,174.84	103.87	31.567		
10,100.00	7,065.85	6,590.56	6,304.68	98.04	35.69	-71.70	-2,372.34	409.12	3,348.54	3,244.02	104.53	32.035		
10,200.00	7,066.08	6,592.15	6,306.18	100.71	35.70	-71.74	-2,372.87	409.09	3,419.88	3,314.74	105.14	32.527		
10,300.00	7,066.31	6,593.72	6,307.67	103.39	35.71	-71.77	-2,373.39	409.07	3,492.62	3,386.91	105.70	33.041		
10,400.00	7,066.54	6,595.28	6,309.14	106.08	35.72	-71.81	-2,373.91	409.04	3,566.68	3,460.45	106.23	33.575		
10,500.00	7,066.77	6,596.83	6,310.59	108.78	35.73	-71.85	-2,374.43	409.02	3,641.98	3,535.26	106.71	34.128		
10,600.00	7,067.01	6,598.35	6,312.03	111.48	35.74	-71.89	-2,374.94	408.99	3,718.44	3,611.28	107.16	34.699		
10,700.00	7,067.24	6,600.00	6,313.41	114.20	35.76	-72.00	-2,376.49	408.92	3,796.00	3,688.38	107.62	35.272		
10,800.00	7,067.47	6,603.00	6,316.41	116.92	35.76	-72.00	-2,376.49	408.92	3,874.58	3,766.59	107.99	35.880		
10,900.00	7,067.70	6,603.00	6,316.41	119.65	35.76	-72.00	-2,376.49	408.92	3,954.13	3,845.81	108.32	36.503		
11,000.00	7,067.93	6,606.06	6,319.30	122.38	35.78	-72.07	-2,377.51	408.87	4,034.59	3,925.92	108.67	37.125		
11,100.00	7,068.16	6,609.46	6,322.51	125.12	35.80	-72.15	-2,378.64	408.82	4,115.91	4,006.90	109.01	37.758		
11,200.00	7,068.39	6,612.85	6,325.70	127.86	35.82	-72.24	-2,379.76	408.77	4,198.03	4,088.71	109.32	38.403		
11,300.00	7,068.62	6,616.22	6,328.88	130.61	35.84	-72.32	-2,380.88	408.71	4,280.91	4,171.30	109.61	39.057		
11,400.00	7,068.85	6,619.57	6,332.04	133.37	35.86	-72.40	-2,381.99	408.66	4,364.50	4,254.62	109.88	39.722		
11,500.00	7,069.08	6,622.92	6,335.20	136.12	35.88	-72.48	-2,383.10	408.61	4,448.77	4,338.64	110.13	40.396		
11,600.00	7,069.31	6,626.24	6,338.34	138.89	35.90	-72.56	-2,384.19	408.56	4,533.68	4,423.31	110.37	41.078		
11,700.00	7,069.54	6,629.55	6,341.46	141.65	35.92	-72.64	-2,385.28	408.51	4,619.19	4,508.60	110.59	41.768		
11,800.00	7,069.77	6,632.85	6,344.58	144.42	35.94	-72.72	-2,386.37	408.46	4,705.27	4,594.47	110.80	42.466		
11,900.00	7,070.00	6,636.14	6,347.68	147.19	35.96	-72.80	-2,387.44	408.41	4,791.90	4,680.90	111.00	43.171		
12,000.00	7,070.23	6,639.41	6,350.77	149.97	35.98	-72.88	-2,388.51	408.36	4,879.03	4,767.84	111.18	43.883		
12,100.00	7,070.46	6,642.66	6,353.85	152.75	36.00	-72.95	-2,389.58	408.31	4,966.64	4,855.28	111.36	44.600		
12,200.00	7,070.69	6,645.90	6,356.91	155.53	36.02	-73.03	-2,390.63	408.26	5,054.72	4,943.19	111.52	45.324		
12,300.00	7,070.92	6,649.13	6,359.96	158.32	36.04	-73.11	-2,391.69	408.21	5,143.22	5,031.54	111.68	46.052		
12,400.00	7,071.16	6,652.35	6,363.00	161.10	36.06	-73.19	-2,392.73	408.16	5,232.15	5,120.32	111.83	46.786		
12,500.00	7,071.39	6,655.55	6,366.03	163.89	36.07	-73.27	-2,393.77	408.12	5,321.46	5,209.49	111.97	47.525		
12,600.00	7,071.62	6,658.73	6,369.04	166.69	36.09	-73.34	-2,394.80	408.07	5,411.15	5,299.04	112.11	48.268		
12,700.00	7,071.85	6,661.91	6,372.05	169.48	36.11	-73.42	-2,395.82	408.02	5,501.19	5,388.95	112.24	49.015		
12,800.00	7,072.08	6,665.07	6,375.04	172.28	36.13	-73.50	-2,396.84	407.97	5,591.57	5,479.21	112.36	49.766		
12,900.00	7,072.31	6,668.22	6,378.02	175.08	36.15	-73.57	-2,397.86	407.93	5,682.27	5,569.79	112.48	50.520		
13,000.00	7,072.54	6,671.35	6,380.99	177.88	36.17	-73.65	-2,398.86	407.88	5,773.27	5,660.68	112.59	51.278		
13,100.00	7,072.77	6,674.47	6,383.94	180.68	36.19	-73.72	-2,399.86	407.84	5,864.57	5,751.87	112.69	52.039		
13,200.00	7,073.00	6,677.58	6,386.88	183.48	36.20	-73.80	-2,400.86	407.79	5,956.15	5,843.35	112.80	52.803		
13,300.00	7,073.23	6,680.67	6,389.82	186.29	36.22	-73.87	-2,401.85	407.74	6,047.99	5,935.09	112.90	53.570		
13,400.00	7,073.46	6,683.75	6,392.74	189.09	36.24	-73.95	-2,402.83	407.70	6,140.08	6,027.09	112.99	54.340		
13,500.00	7,073.69	6,686.82	6,395.65	191.90	36.26	-74.02	-2,403.81	407.66	6,232.42	6,119.34	113.09	55.112		
13,600.00	7,073.92	6,689.88	6,398.54	194.71	36.28	-74.09	-2,404.78	407.61	6,324.99	6,211.82	113.18	55.886		
13,700.00	7,074.15	6,692.92	6,401.43	197.52	36.30	-74.17	-2,405.74	407.57	6,417.79	6,304.52	113.26	56.662		
13,800.00	7,074.38	6,695.95	6,404.30	200.34	36.31	-74.24	-2,406.70	407.52	6,510.79	6,397.44	113.35	57.441		
13,900.00	7,074.61	6,698.97	6,407.17	203.15	36.33	-74.31	-2,407.66	407.48	6,604.00	6,490.57	113.43	58.221		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,074.84	6,701.97	6,410.02	205.97	36.35	-74.38	-2,408.60	407.44	6,697.41	6,583.90	113.51	59.002		
14,100.00	7,075.07	6,704.97	6,412.86	208.78	36.37	-74.46	-2,409.55	407.39	6,791.00	6,677.41	113.59	59.786		
14,200.00	7,075.30	6,707.95	6,415.69	211.60	36.38	-74.53	-2,410.48	407.35	6,884.77	6,771.10	113.66	60.571		
14,300.00	7,075.54	6,710.92	6,418.51	214.42	36.40	-74.60	-2,411.42	407.31	6,978.71	6,864.97	113.74	61.357		
14,400.00	7,075.77	6,713.87	6,421.31	217.24	36.42	-74.67	-2,412.34	407.26	7,072.82	6,959.01	113.81	62.144		
14,500.00	7,076.00	6,706.30	6,414.12	220.06	36.37	-74.49	-2,409.97	407.38	7,167.09	7,053.34	113.75	63.006		
14,600.00	7,076.23	6,707.61	6,415.37	222.88	36.38	-74.52	-2,410.38	407.36	7,261.52	7,147.71	113.80	63.808		
14,700.00	7,076.46	6,708.91	6,416.60	225.70	36.39	-74.55	-2,410.79	407.34	7,356.09	7,242.23	113.85	64.611		
14,800.00	7,076.69	6,710.18	6,417.81	228.53	36.40	-74.58	-2,411.19	407.33	7,450.80	7,336.90	113.90	65.415		
14,900.00	7,076.92	6,711.44	6,419.00	231.35	36.40	-74.61	-2,411.58	407.31	7,545.65	7,431.70	113.95	66.220		
15,000.00	7,077.15	6,712.68	6,420.18	234.18	36.41	-74.64	-2,411.97	407.29	7,640.62	7,526.63	113.99	67.027		
15,100.00	7,077.38	6,713.90	6,421.33	237.00	36.42	-74.67	-2,412.35	407.28	7,735.73	7,621.69	114.04	67.834		
15,200.00	7,077.61	6,715.10	6,422.47	239.83	36.42	-74.70	-2,412.73	407.26	7,830.95	7,716.87	114.08	68.642		
15,300.00	7,077.84	6,716.28	6,423.60	242.66	36.43	-74.73	-2,413.10	407.25	7,926.30	7,812.17	114.13	69.451		
15,400.00	7,078.07	6,717.45	6,424.70	245.49	36.44	-74.76	-2,413.47	407.23	8,021.76	7,907.58	114.17	70.261		
15,500.00	7,078.30	6,718.59	6,425.79	248.31	36.44	-74.79	-2,413.83	407.22	8,117.32	8,003.11	114.21	71.071		
15,600.00	7,078.53	6,719.73	6,426.87	251.14	36.45	-74.81	-2,414.18	407.20	8,212.99	8,098.74	114.26	71.882		
15,700.00	7,078.76	6,720.84	6,427.93	253.97	36.46	-74.84	-2,414.53	407.19	8,308.77	8,194.47	114.30	72.693		
15,800.00	7,078.99	6,721.94	6,428.98	256.80	36.46	-74.87	-2,414.87	407.18	8,404.64	8,290.30	114.34	73.505		
15,900.00	7,079.22	6,723.03	6,430.01	259.64	36.47	-74.89	-2,415.21	407.17	8,500.60	8,386.22	114.38	74.317		
16,000.00	7,079.45	6,724.10	6,431.02	262.47	36.48	-74.92	-2,415.55	407.15	8,596.66	8,482.24	114.42	75.130		
16,100.00	7,079.69	6,725.16	6,432.03	265.30	36.48	-74.94	-2,415.87	407.14	8,692.81	8,578.34	114.47	75.943		
16,200.00	7,079.92	6,726.20	6,433.01	268.13	36.49	-74.97	-2,416.20	407.13	8,789.04	8,674.53	114.51	76.756		
16,300.00	7,080.15	6,727.22	6,433.99	270.97	36.49	-74.99	-2,416.52	407.12	8,885.36	8,770.81	114.55	77.569		
16,400.00	7,080.38	6,728.24	6,434.95	273.80	36.50	-75.02	-2,416.83	407.10	8,981.75	8,867.16	114.59	78.383		
16,500.00	7,080.61	6,729.23	6,435.90	276.64	36.51	-75.04	-2,417.15	407.09	9,078.23	8,963.60	114.63	79.196		
16,600.00	7,080.84	6,730.22	6,436.84	279.47	36.51	-75.06	-2,417.45	407.08	9,174.78	9,060.11	114.67	80.010		
16,700.00	7,081.07	6,731.19	6,437.76	282.31	36.52	-75.09	-2,417.75	407.07	9,271.40	9,156.69	114.71	80.824		
16,800.00	7,081.30	6,732.15	6,438.67	285.14	36.52	-75.11	-2,418.05	407.06	9,368.09	9,253.34	114.75	81.638		
16,900.00	7,081.53	6,733.10	6,439.57	287.98	36.53	-75.13	-2,418.35	407.05	9,464.85	9,350.06	114.79	82.452		
17,000.00	7,081.76	6,734.03	6,440.46	290.82	36.53	-75.16	-2,418.64	407.04	9,561.68	9,446.85	114.83	83.265		
17,100.00	7,081.99	6,734.96	6,441.34	293.65	36.54	-75.18	-2,418.92	407.03	9,658.57	9,543.70	114.88	84.079		
17,200.00	7,082.22	6,735.87	6,442.21	296.49	36.54	-75.20	-2,419.21	407.02	9,755.53	9,640.61	114.92	84.892		
17,300.00	7,082.45	6,736.77	6,443.06	299.33	36.55	-75.22	-2,419.49	407.01	9,852.54	9,737.59	114.96	85.706		
17,400.00	7,082.68	6,737.65	6,443.90	302.17	36.55	-75.24	-2,419.76	407.00	9,949.62	9,834.62	115.00	86.519		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	136.40	-532.61	507.26	735.60					
100.00	100.00	84.76	84.76	3.28	3.29	136.41	-532.92	507.28	735.77	729.20	6.57	111.987		
200.00	200.00	179.98	179.97	3.34	3.30	136.47	-534.03	507.36	736.67	730.03	6.64	110.919		
300.00	300.00	284.18	284.15	3.44	3.36	136.54	-535.61	507.55	737.91	731.10	6.81	108.380		
400.00	399.98	390.22	390.20	3.60	3.49	41.11	-535.40	507.94	736.69	729.60	7.09	103.903		
500.00	499.84	492.25	492.22	3.80	3.66	41.41	-534.91	507.98	732.43	724.97	7.46	98.215		
600.00	599.45	578.61	578.59	4.04	3.84	41.85	-534.79	508.47	726.22	718.34	7.87	92.265		
700.00	698.70	664.68	664.59	4.31	4.04	42.29	-534.48	511.78	719.46	711.11	8.35	86.156		
800.00	797.47	750.75	750.41	4.62	4.28	42.70	-533.58	518.04	711.99	703.10	8.89	80.107		
900.00	895.62	839.46	838.65	4.97	4.54	43.14	-532.44	527.17	703.80	694.31	9.48	74.214		
980.89	974.49	916.46	915.11	5.27	4.78	43.60	-531.52	536.23	696.20	686.18	10.01	69.520		
1,000.00	993.07	935.64	934.16	5.34	4.84	43.72	-531.40	538.38	694.23	684.08	10.15	68.413		
1,100.00	1,090.26	1,043.31	1,041.35	5.75	5.20	44.59	-531.81	548.47	683.54	672.66	10.88	62.814		
1,200.00	1,187.45	1,163.86	1,161.74	6.17	5.62	46.01	-533.19	554.30	670.74	659.05	11.69	57.366		
1,300.00	1,284.64	1,278.22	1,276.10	6.62	6.02	47.68	-533.52	555.23	655.10	642.60	12.50	52.427		
1,400.00	1,381.83	1,379.03	1,376.90	7.07	6.37	49.26	-532.80	554.86	638.44	625.17	13.28	48.083		
1,500.00	1,479.01	1,474.58	1,472.44	7.54	6.72	50.89	-532.42	554.02	622.24	608.17	14.07	44.229		
1,600.00	1,576.20	1,569.20	1,567.06	8.02	7.07	52.59	-532.23	553.35	606.85	591.97	14.88	40.789		
1,700.00	1,673.39	1,665.60	1,663.46	8.50	7.43	54.31	-531.97	553.62	592.48	576.77	15.71	37.705		
1,800.00	1,770.58	1,764.60	1,762.46	8.99	7.82	56.16	-531.33	553.81	578.33	561.76	16.57	34.893		
1,900.00	1,867.77	1,865.22	1,863.07	9.48	8.22	58.10	-530.60	554.24	564.84	547.39	17.45	32.363		
2,000.00	1,964.96	1,988.51	1,986.25	9.98	8.71	60.42	-525.60	554.82	549.10	530.72	18.38	29.872		
2,100.00	2,062.15	2,112.64	2,109.88	10.49	9.20	62.91	-514.83	553.10	529.11	509.84	19.28	27.448		
2,200.00	2,159.34	2,223.93	2,220.25	10.99	9.65	65.44	-501.14	549.13	505.74	485.59	20.15	25.099		
2,300.00	2,256.53	2,326.54	2,321.70	11.50	10.07	67.82	-485.99	546.39	481.22	460.19	21.03	22.882		
2,400.00	2,353.71	2,436.10	2,429.46	12.01	10.53	70.32	-466.33	544.98	454.90	433.02	21.88	20.791		
2,500.00	2,450.90	2,545.64	2,536.38	12.53	10.98	72.76	-442.55	545.50	426.19	403.50	22.69	18.779		
2,600.00	2,548.09	2,653.98	2,641.15	13.04	11.44	75.41	-415.02	546.23	394.64	371.17	23.47	16.812		
2,700.00	2,645.28	2,750.52	2,733.80	13.56	11.86	78.04	-387.94	547.38	361.33	336.98	24.35	14.839		
2,800.00	2,742.47	2,849.14	2,828.30	14.08	12.29	81.53	-359.70	547.12	328.10	302.90	25.21	13.017		
2,900.00	2,839.66	2,943.05	2,917.84	14.60	12.72	85.84	-331.48	545.46	294.62	268.47	26.15	11.267		
3,000.00	2,936.85	3,035.68	3,006.07	15.12	13.14	91.26	-303.35	543.09	262.73	235.58	27.15	9.676		
3,100.00	3,034.04	3,125.51	3,091.59	15.65	13.56	97.74	-275.93	540.95	233.48	205.22	28.27	8.260		
3,200.00	3,131.22	3,218.17	3,179.89	16.17	13.99	106.08	-248.00	538.27	208.66	179.31	29.35	7.109		
3,300.00	3,228.41	3,307.83	3,265.40	16.69	14.42	115.32	-221.06	537.43	188.76	158.26	30.50	6.189		
3,400.00	3,325.60	3,400.21	3,353.91	17.22	14.86	126.16	-194.64	536.47	176.82	145.32	31.51	5.612		
3,500.00	3,422.79	3,491.89	3,442.04	17.75	15.29	137.10	-169.40	537.63	171.89	139.50	32.39	5.307		
3,503.73	3,426.42	3,495.22	3,445.26	17.77	15.31	137.51	-168.50	537.65	171.88	139.46	32.42	5.302 CC, ES, SF		
3,600.00	3,519.98	3,582.67	3,529.58	18.27	15.73	147.96	-145.37	537.68	176.07	142.96	33.11	5.317		
3,700.00	3,617.17	3,672.24	3,615.80	18.80	16.16	158.19	-121.16	536.20	188.75	155.06	33.69	5.603		
3,800.00	3,714.36	3,763.71	3,704.13	19.33	16.60	166.98	-97.51	533.55	208.92	174.66	34.26	6.098		
3,900.00	3,811.55	3,860.42	3,796.84	19.86	17.07	175.22	-70.13	531.18	233.15	198.17	34.98	6.666		
4,000.00	3,908.74	3,956.67	3,888.44	20.39	17.55	-177.55	-40.55	531.41	258.90	223.15	35.75	7.243		
4,100.00	4,005.92	4,050.57	3,977.38	20.92	18.02	-171.47	-10.47	532.69	287.12	250.59	36.52	7.861		
4,200.00	4,103.11	4,143.30	4,065.57	21.45	18.49	-166.70	18.12	534.32	317.15	279.83	37.32	8.497		
4,300.00	4,200.30	4,235.59	4,154.02	21.98	18.94	-163.17	44.44	535.02	348.92	310.77	38.15	9.146		
4,400.00	4,297.49	4,327.90	4,242.88	22.51	19.40	-160.44	69.45	535.12	381.72	342.72	39.00	9.787		
4,500.00	4,394.68	4,416.37	4,328.25	23.04	19.84	-158.39	92.62	534.35	415.61	375.83	39.77	10.449		
4,600.00	4,491.87	4,502.33	4,410.88	23.57	20.27	-156.59	116.27	532.64	451.46	410.97	40.50	11.148		
4,700.00	4,589.06	4,591.53	4,496.66	24.10	20.72	-155.09	140.54	529.69	488.62	447.31	41.31	11.827		
4,800.00	4,686.25	4,683.27	4,584.59	24.64	21.18	-153.63	166.56	527.00	526.32	484.13	42.20	12.473		
4,900.00	4,783.43	4,774.78	4,672.43	25.17	21.64	-152.42	192.06	524.17	564.16	521.07	43.09	13.094		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,867.09	4,760.61	25.70	22.11	-151.20	219.24	521.71	602.70	558.70	44.00	13.698		
5,100.00	4,977.81	4,970.81	4,859.85	26.23	22.64	-149.91	249.40	521.11	639.61	594.45	45.16	14.164		
5,200.00	5,075.00	5,058.72	4,944.15	26.77	23.09	-149.02	274.31	520.05	676.81	630.84	45.98	14.721		
5,300.00	5,172.19	5,151.45	5,033.18	27.30	23.56	-148.23	300.17	518.43	714.31	667.41	46.90	15.231		
5,400.00	5,269.38	5,247.01	5,125.08	27.83	24.05	-147.55	326.29	516.48	751.82	703.94	47.88	15.703		
5,457.75	5,325.51	5,306.40	5,182.22	28.14	24.35	-147.15	342.47	515.78	773.12	724.60	48.52	15.934		
5,500.00	5,366.64	5,352.37	5,226.54	28.37	24.58	-147.01	354.70	515.46	788.16	739.13	49.03	16.076		
5,600.00	5,464.53	5,443.58	5,314.86	28.87	25.04	-146.84	377.44	514.57	821.10	771.21	49.89	16.458		
5,700.00	5,563.07	5,522.77	5,391.29	29.35	25.43	-146.64	398.06	512.66	853.05	802.53	50.52	16.885		
5,800.00	5,662.15	5,611.25	5,476.49	29.80	25.88	-146.28	421.77	509.89	883.37	832.07	51.30	17.219		
5,900.00	5,761.64	5,702.92	5,564.70	30.23	26.35	-145.82	446.45	506.29	911.75	859.62	52.13	17.492		
6,000.00	5,861.42	5,801.32	5,659.52	30.64	26.85	-145.23	472.47	502.47	937.19	884.13	53.06	17.664		
6,100.00	5,961.36	5,887.04	5,741.76	31.02	27.29	-144.58	496.49	499.56	960.77	907.03	53.74	17.878		
6,138.64	6,000.00	5,923.01	5,776.16	31.16	27.48	-148.75	506.93	498.45	969.41	915.36	54.05	17.934		
6,200.00	6,061.36	5,981.76	5,832.29	31.38	27.79	-148.04	524.18	496.73	982.99	928.41	54.58	18.010		
6,300.00	6,161.36	6,094.06	5,939.67	31.74	28.37	-146.72	556.93	494.11	1,004.93	949.19	55.74	18.029		
6,400.00	6,261.36	6,202.85	6,044.33	32.10	28.93	-145.53	586.64	493.05	1,024.88	968.06	56.82	18.038		
6,500.00	6,361.36	6,284.11	6,122.61	32.46	29.35	-144.73	608.32	491.20	1,045.67	988.24	57.42	18.209		
6,562.02	6,423.38	6,330.41	6,167.02	32.68	29.58	-144.28	621.39	489.89	1,059.60	1,001.88	57.73	18.356		
6,600.00	6,461.34	6,363.15	6,198.33	32.82	29.76	-145.85	630.91	488.88	1,067.73	1,009.75	57.98	18.415		
6,650.00	6,511.08	6,407.25	6,240.46	32.99	29.99	-145.89	643.84	487.45	1,076.31	1,017.98	58.33	18.451		
6,700.00	6,560.29	6,475.89	6,306.08	33.17	30.34	-146.64	663.90	485.59	1,082.24	1,023.11	59.13	18.304		
6,750.00	6,608.64	6,542.33	6,369.87	33.36	30.69	-147.78	682.48	485.49	1,084.34	1,024.47	59.87	18.111		
6,800.00	6,655.86	6,584.71	6,410.66	33.56	30.91	-148.72	693.95	485.21	1,084.04	1,023.81	60.24	17.997		
6,850.00	6,701.64	6,623.74	6,448.29	33.78	31.11	-149.82	704.30	484.49	1,081.73	1,021.17	60.57	17.860		
6,900.00	6,745.71	6,655.41	6,478.75	34.01	31.27	-150.95	712.90	483.73	1,077.80	1,017.00	60.81	17.725		
6,950.00	6,787.79	6,685.63	6,507.74	34.27	31.43	-152.24	721.41	482.93	1,072.50	1,011.44	61.06	17.566		
7,000.00	6,827.62	6,720.82	6,541.38	34.56	31.61	-153.90	731.69	481.95	1,065.99	1,004.53	61.45	17.346		
7,050.00	6,864.96	6,779.39	6,597.40	34.87	31.92	-156.71	748.79	481.57	1,057.74	995.39	62.35	16.964		
7,100.00	6,899.58	6,828.28	6,644.12	35.21	32.17	-159.53	763.08	483.11	1,047.91	984.76	63.15	16.594		
7,150.00	6,931.26	6,863.54	6,677.41	35.60	32.35	-162.06	774.14	486.61	1,037.25	973.43	63.81	16.254		
7,200.00	6,959.81	6,888.19	6,700.36	36.02	32.47	-164.23	782.29	490.37	1,026.41	962.02	64.40	15.939		
7,250.00	6,985.06	6,908.57	6,719.10	36.47	32.58	-166.22	789.26	494.29	1,015.87	950.86	65.01	15.627		
7,300.00	7,006.84	6,923.43	6,732.64	36.97	32.65	-167.91	794.41	497.63	1,005.90	940.26	65.63	15.326		
7,350.00	7,025.02	6,930.16	6,738.73	37.51	32.68	-169.07	796.75	499.28	996.79	930.58	66.21	15.056		
7,400.00	7,039.49	6,931.30	6,739.76	38.09	32.69	-169.83	797.15	499.56	988.71	921.95	66.76	14.809		
7,450.00	7,050.17	6,928.46	6,737.19	38.70	32.67	-170.26	796.16	498.85	981.76	914.44	67.33	14.582		
7,500.00	7,056.98	6,922.70	6,731.98	39.33	32.64	-170.41	794.16	497.46	975.98	908.08	67.91	14.372		
7,550.00	7,059.89	6,914.74	6,724.74	39.99	32.61	-170.34	791.40	495.63	971.37	902.86	68.51	14.178		
7,560.55	7,060.00	6,912.83	6,723.00	40.13	32.60	-170.30	790.74	495.21	970.55	901.91	68.64	14.140		
7,600.00	7,060.09	6,905.97	6,716.73	40.67	32.56	-169.91	788.37	493.75	968.32	899.18	69.14	14.005		
7,637.16	7,060.17	6,898.00	6,709.41	41.21	32.52	-169.44	785.63	492.17	967.65	898.05	69.60	13.903		
7,700.00	7,060.32	6,898.00	6,709.41	42.14	32.52	-169.44	785.63	492.17	969.68	899.01	70.67	13.721		
7,800.00	7,060.55	6,898.00	6,709.41	43.75	32.52	-169.44	785.63	492.17	981.25	908.90	72.35	13.562		
7,900.00	7,060.78	6,875.68	6,688.75	45.48	32.41	-168.14	778.11	488.32	1,002.17	928.79	73.38	13.657		
8,000.00	7,061.01	6,869.08	6,682.59	47.33	32.38	-167.76	775.94	487.36	1,032.49	957.88	74.61	13.838		
8,100.00	7,061.24	6,863.43	6,677.31	49.27	32.35	-167.43	774.10	486.59	1,071.24	995.58	75.66	14.158		
8,200.00	7,061.47	6,858.54	6,672.72	51.29	32.32	-167.14	772.52	485.98	1,117.56	1,041.04	76.52	14.605		
8,300.00	7,061.70	6,854.26	6,668.70	53.40	32.30	-166.89	771.16	485.47	1,170.56	1,093.36	77.20	15.164		
8,400.00	7,061.93	6,850.50	6,665.15	55.57	32.28	-166.67	769.96	485.05	1,229.38	1,151.68	77.71	15.821		
8,500.00	7,062.16	6,847.15	6,661.99	57.80	32.26	-166.47	768.91	484.70	1,293.25	1,215.17	78.08	16.563		
8,600.00	7,062.39	6,844.16	6,659.17	60.08	32.25	-166.30	767.97	484.41	1,361.44	1,283.10	78.34	17.378		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	6,841.47	6,656.63	62.42	32.24	66.14	767.13	484.16	1,433.36	1,354.85	78.51	18.257		
8,800.00	7,062.86	6,839.04	6,654.33	64.79	32.22	66.00	766.37	483.94	1,508.46	1,429.85	78.61	19.189		
8,900.00	7,063.09	6,836.83	6,652.24	67.20	32.21	65.87	765.69	483.75	1,586.30	1,507.65	78.66	20.168		
9,000.00	7,063.32	6,804.00	6,620.95	69.65	32.04	63.96	755.90	481.99	1,667.66	1,589.47	78.20	21.326		
9,100.00	7,063.55	6,804.00	6,620.95	72.12	32.04	63.96	755.90	481.99	1,749.75	1,671.54	78.22	22.370		
9,200.00	7,063.78	6,804.00	6,620.95	74.63	32.04	63.96	755.90	481.99	1,833.62	1,755.41	78.21	23.445		
9,300.00	7,064.01	6,804.00	6,620.95	77.16	32.04	63.96	755.90	481.99	1,919.04	1,840.86	78.18	24.546		
9,400.00	7,064.24	6,804.00	6,620.95	79.71	32.04	63.96	755.90	481.99	2,005.80	1,927.67	78.13	25.671		
9,500.00	7,064.47	6,804.00	6,620.95	82.28	32.04	63.96	755.90	481.99	2,093.75	2,015.67	78.08	26.816		
9,600.00	7,064.70	6,804.00	6,620.95	84.87	32.04	63.96	755.90	481.99	2,182.73	2,104.71	78.02	27.978		
9,700.00	7,064.93	6,804.00	6,620.95	87.47	32.04	63.96	755.90	481.99	2,272.63	2,194.68	77.95	29.156		
9,800.00	7,065.16	6,804.00	6,620.95	90.09	32.04	63.96	755.90	481.99	2,363.34	2,285.46	77.88	30.347		
9,900.00	7,065.39	6,804.00	6,620.95	92.73	32.04	63.96	755.90	481.99	2,454.77	2,376.97	77.81	31.550		
10,000.00	7,065.62	6,804.00	6,620.95	95.38	32.04	63.96	755.90	481.99	2,546.85	2,469.11	77.73	32.764		
10,100.00	7,065.85	6,804.00	6,620.95	98.04	32.04	63.96	755.90	481.99	2,639.50	2,561.84	77.66	33.987		
10,200.00	7,066.08	6,804.00	6,620.95	100.71	32.04	63.96	755.90	481.99	2,732.67	2,655.08	77.59	35.217		
10,300.00	7,066.31	6,804.00	6,620.95	103.39	32.04	63.96	755.90	481.99	2,826.31	2,748.78	77.53	36.456		
10,400.00	7,066.54	6,804.00	6,620.95	106.08	32.04	63.96	755.90	481.99	2,920.37	2,842.91	77.46	37.700		
10,500.00	7,066.77	6,804.00	6,620.95	108.78	32.04	63.96	755.90	481.99	3,014.81	2,937.41	77.40	38.950		
10,600.00	7,067.01	6,804.00	6,620.95	111.48	32.04	63.96	755.90	481.99	3,109.60	3,032.26	77.34	40.206		
10,700.00	7,067.24	6,804.00	6,620.95	114.20	32.04	63.96	755.90	481.99	3,204.71	3,127.42	77.29	41.465		
10,800.00	7,067.47	6,804.00	6,620.95	116.92	32.04	63.96	755.90	481.99	3,300.11	3,222.87	77.23	42.728		
10,900.00	7,067.70	6,804.00	6,620.95	119.65	32.04	63.96	755.90	481.99	3,395.77	3,318.58	77.19	43.995		
11,000.00	7,067.93	6,804.00	6,620.95	122.38	32.04	63.96	755.90	481.99	3,491.67	3,414.53	77.14	45.265		
11,100.00	7,068.16	6,804.00	6,620.95	125.12	32.04	63.96	755.90	481.99	3,587.80	3,510.70	77.10	46.537		
11,200.00	7,068.39	6,804.00	6,620.95	127.86	32.04	63.96	755.90	481.99	3,684.13	3,607.08	77.06	47.811		
11,300.00	7,068.62	6,804.00	6,620.95	130.61	32.04	63.96	755.90	481.99	3,780.66	3,703.64	77.02	49.087		
11,400.00	7,068.85	6,804.00	6,620.95	133.37	32.04	63.96	755.90	481.99	3,877.36	3,800.37	76.98	50.365		
11,500.00	7,069.08	6,804.00	6,620.95	136.12	32.04	63.96	755.90	481.99	3,974.22	3,897.27	76.95	51.644		
11,600.00	7,069.31	6,804.00	6,620.95	138.89	32.04	63.96	755.90	481.99	4,071.24	3,994.31	76.93	52.924		
11,700.00	7,069.54	6,804.00	6,620.95	141.65	32.04	63.96	755.90	481.99	4,168.39	4,091.49	76.90	54.205		
11,800.00	7,069.77	6,804.00	6,620.95	144.42	32.04	63.96	755.90	481.99	4,265.68	4,188.80	76.88	55.487		
11,900.00	7,070.00	6,804.00	6,620.95	147.19	32.04	63.96	755.90	481.99	4,363.09	4,286.23	76.86	56.769		
12,000.00	7,070.23	6,804.00	6,620.95	149.97	32.04	63.96	755.90	481.99	4,460.62	4,383.78	76.84	58.051		
12,100.00	7,070.46	6,804.00	6,620.95	152.75	32.04	63.96	755.90	481.99	4,558.25	4,481.42	76.83	59.333		
12,200.00	7,070.69	6,804.00	6,620.95	155.53	32.04	63.96	755.90	481.99	4,655.98	4,579.17	76.81	60.615		
12,300.00	7,070.92	6,804.00	6,620.95	158.32	32.04	63.96	755.90	481.99	4,753.81	4,677.01	76.80	61.896		
12,400.00	7,071.16	6,804.00	6,620.95	161.10	32.04	63.96	755.90	481.99	4,851.72	4,774.93	76.80	63.178		
12,500.00	7,071.39	6,804.00	6,620.95	163.89	32.04	63.96	755.90	481.99	4,949.72	4,872.93	76.79	64.458		
12,600.00	7,071.62	6,804.00	6,620.95	166.69	32.04	63.96	755.90	481.99	5,047.80	4,971.02	76.79	65.738		
12,700.00	7,071.85	6,804.00	6,620.95	169.48	32.04	63.96	755.90	481.99	5,145.95	5,069.17	76.79	67.017		
12,800.00	7,072.08	6,804.00	6,620.95	172.28	32.04	63.96	755.90	481.99	5,244.17	5,167.39	76.79	68.296		
12,900.00	7,072.31	6,804.00	6,620.95	175.08	32.04	63.96	755.90	481.99	5,342.46	5,265.67	76.79	69.573		
13,000.00	7,072.54	6,804.00	6,620.95	177.88	32.04	63.96	755.90	481.99	5,440.81	5,364.02	76.79	70.849		
13,100.00	7,072.77	6,804.00	6,620.95	180.68	32.04	63.96	755.90	481.99	5,539.22	5,462.42	76.80	72.124		
13,200.00	7,073.00	6,804.00	6,620.95	183.48	32.04	63.96	755.90	481.99	5,637.69	5,560.88	76.81	73.398		
13,300.00	7,073.23	6,804.00	6,620.95	186.29	32.04	63.96	755.90	481.99	5,736.20	5,659.38	76.82	74.670		
13,400.00	7,073.46	6,804.00	6,620.95	189.09	32.04	63.96	755.90	481.99	5,834.77	5,757.94	76.83	75.941		
13,500.00	7,073.69	6,804.00	6,620.95	191.90	32.04	63.96	755.90	481.99	5,933.39	5,856.54	76.85	77.210		
13,600.00	7,073.92	6,804.00	6,620.95	194.71	32.04	63.96	755.90	481.99	6,032.05	5,955.19	76.86	78.477		
13,700.00	7,074.15	6,804.00	6,620.95	197.52	32.04	63.96	755.90	481.99	6,130.76	6,053.87	76.88	79.743		
13,800.00	7,074.38	6,804.00	6,620.95	200.34	32.04	63.96	755.90	481.99	6,229.50	6,152.60	76.90	81.007		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,804.00	6,620.95	203.15	32.04	63.96	755.90	481.99	6,328.29	6,251.37	76.92	82.270		
14,000.00	7,074.84	6,804.00	6,620.95	205.97	32.04	63.96	755.90	481.99	6,427.11	6,350.17	76.94	83.530		
14,100.00	7,075.07	6,804.00	6,620.95	208.78	32.04	63.96	755.90	481.99	6,525.97	6,449.00	76.97	84.788		
14,200.00	7,075.30	6,804.00	6,620.95	211.60	32.04	63.96	755.90	481.99	6,624.86	6,547.87	76.99	86.044		
14,300.00	7,075.54	6,804.00	6,620.95	214.42	32.04	63.96	755.90	481.99	6,723.79	6,646.77	77.02	87.298		
14,400.00	7,075.77	6,804.00	6,620.95	217.24	32.04	63.96	755.90	481.99	6,822.75	6,745.70	77.05	88.550		
14,500.00	7,076.00	6,804.00	6,620.95	220.06	32.04	63.96	755.90	481.99	6,921.74	6,844.66	77.08	89.800		
14,600.00	7,076.23	6,804.00	6,620.95	222.88	32.04	63.96	755.90	481.99	7,020.75	6,943.64	77.11	91.048		
14,700.00	7,076.46	6,804.00	6,620.95	225.70	32.04	63.96	755.90	481.99	7,119.80	7,042.65	77.14	92.293		
14,800.00	7,076.69	6,804.00	6,620.95	228.53	32.04	63.96	755.90	481.99	7,218.87	7,141.69	77.18	93.536		
14,900.00	7,076.92	6,804.00	6,620.95	231.35	32.04	63.96	755.90	481.99	7,317.96	7,240.75	77.21	94.776		
15,000.00	7,077.15	6,804.00	6,620.95	234.18	32.04	63.96	755.90	481.99	7,417.08	7,339.83	77.25	96.014		
15,100.00	7,077.38	6,804.00	6,620.95	237.00	32.04	63.96	755.90	481.99	7,516.22	7,438.94	77.29	97.250		
15,200.00	7,077.61	6,804.00	6,620.95	239.83	32.04	63.96	755.90	481.99	7,615.39	7,538.06	77.33	98.483		
15,300.00	7,077.84	6,804.00	6,620.95	242.66	32.04	63.96	755.90	481.99	7,714.58	7,637.21	77.37	99.713		
15,400.00	7,078.07	6,804.00	6,620.95	245.49	32.04	63.96	755.90	481.99	7,813.78	7,736.37	77.41	100.941		
15,500.00	7,078.30	6,804.00	6,620.95	248.31	32.04	63.96	755.90	481.99	7,913.01	7,835.56	77.45	102.166		
15,600.00	7,078.53	6,804.00	6,620.95	251.14	32.04	63.96	755.90	481.99	8,012.26	7,934.76	77.50	103.388		
15,700.00	7,078.76	6,804.00	6,620.95	253.97	32.04	63.96	755.90	481.99	8,111.52	8,033.98	77.54	104.607		
15,800.00	7,078.99	6,804.00	6,620.95	256.80	32.04	63.96	755.90	481.99	8,210.81	8,133.22	77.59	105.824		
15,900.00	7,079.22	6,804.00	6,620.95	259.64	32.04	63.96	755.90	481.99	8,310.11	8,232.47	77.64	107.038		
16,000.00	7,079.45	6,804.00	6,620.95	262.47	32.04	63.96	755.90	481.99	8,409.43	8,331.74	77.69	108.249		
16,100.00	7,079.69	6,804.00	6,620.95	265.30	32.04	63.96	755.90	481.99	8,508.76	8,431.02	77.74	109.458		
16,200.00	7,079.92	6,804.00	6,620.95	268.13	32.04	63.96	755.90	481.99	8,608.11	8,530.32	77.79	110.663		
16,300.00	7,080.15	6,804.00	6,620.95	270.97	32.04	63.96	755.90	481.99	8,707.47	8,629.63	77.84	111.865		
16,400.00	7,080.38	6,804.00	6,620.95	273.80	32.04	63.96	755.90	481.99	8,806.85	8,728.96	77.89	113.065		
16,500.00	7,080.61	6,804.00	6,620.95	276.64	32.04	63.96	755.90	481.99	8,906.24	8,828.29	77.95	114.261		
16,600.00	7,080.84	6,804.00	6,620.95	279.47	32.04	63.96	755.90	481.99	9,005.64	8,927.64	78.00	115.455		
16,700.00	7,081.07	6,804.00	6,620.95	282.31	32.04	63.96	755.90	481.99	9,105.06	9,027.00	78.06	116.645		
16,800.00	7,081.30	6,804.00	6,620.95	285.14	32.04	63.96	755.90	481.99	9,204.49	9,126.38	78.12	117.832		
16,900.00	7,081.53	6,804.00	6,620.95	287.98	32.04	63.96	755.90	481.99	9,303.93	9,225.76	78.17	119.016		
17,000.00	7,081.76	6,804.00	6,620.95	290.82	32.04	63.96	755.90	481.99	9,403.39	9,325.16	78.23	120.197		
17,100.00	7,081.99	6,804.00	6,620.95	293.65	32.04	63.96	755.90	481.99	9,502.86	9,424.56	78.29	121.375		
17,200.00	7,082.22	6,804.00	6,620.95	296.49	32.04	63.96	755.90	481.99	9,602.33	9,523.98	78.35	122.550		
17,300.00	7,082.45	6,804.00	6,620.95	299.33	32.04	63.96	755.90	481.99	9,701.82	9,623.41	78.42	123.721		
17,400.00	7,082.68	6,804.00	6,620.95	302.17	32.04	63.96	755.90	481.99	9,801.32	9,722.84	78.48	124.889		
17,500.00	7,082.91	6,804.00	6,620.95	305.01	32.04	63.96	755.90	481.99	9,900.83	9,822.29	78.54	126.054		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	135.30	-512.57	507.26	721.22					
100.00	100.00	97.47	97.47	3.28	3.29	135.25	-511.71	507.31	720.61	714.04	6.57	109.644		
200.00	200.00	206.92	206.87	3.34	3.31	135.07	-508.71	507.49	718.78	712.13	6.65	108.061		
300.00	300.00	301.47	301.35	3.44	3.39	134.85	-505.22	507.86	716.47	709.64	6.83	104.938		
400.00	399.98	388.55	388.41	3.60	3.49	39.33	-503.63	508.35	714.24	707.14	7.09	100.732		
500.00	499.84	476.18	476.04	3.80	3.63	39.64	-504.60	508.59	711.17	703.74	7.43	95.694		
600.00	599.45	575.23	575.06	4.04	3.83	40.18	-506.37	509.80	706.60	698.73	7.87	89.821		
700.00	698.70	672.33	672.11	4.31	4.06	40.72	-506.13	512.73	699.22	690.85	8.37	83.524		
800.00	797.47	766.87	766.47	4.62	4.32	41.20	-504.12	518.34	689.92	680.98	8.93	77.239		
900.00	895.62	860.46	859.57	4.97	4.60	41.59	-500.22	526.92	678.77	669.22	9.54	71.119		
980.89	974.49	938.26	936.80	5.27	4.85	41.96	-496.34	535.46	668.39	658.31	10.08	66.302		
1,000.00	993.07	956.82	955.24	5.34	4.91	42.04	-495.50	537.45	665.77	655.56	10.21	65.185		
1,100.00	1,090.26	1,055.70	1,053.55	5.75	5.25	42.55	-491.72	547.37	652.14	641.22	10.92	59.696		
1,200.00	1,187.45	1,167.96	1,165.39	6.17	5.64	43.37	-488.15	556.23	637.63	625.93	11.71	54.459		
1,300.00	1,284.64	1,273.09	1,270.36	6.62	6.02	44.46	-485.62	561.24	621.79	609.29	12.50	49.763		
1,400.00	1,381.83	1,383.61	1,380.86	7.07	6.42	46.03	-483.69	562.05	604.08	590.77	13.31	45.387		
1,500.00	1,479.01	1,480.63	1,477.85	7.54	6.77	47.83	-483.39	559.65	585.97	571.87	14.10	41.561		
1,600.00	1,576.20	1,573.53	1,570.70	8.02	7.11	49.77	-484.05	556.63	568.84	553.94	14.90	38.188		
1,700.00	1,673.39	1,667.28	1,664.43	8.50	7.45	51.68	-484.43	555.12	553.09	537.38	15.71	35.197		
1,800.00	1,770.58	1,765.76	1,762.91	8.99	7.83	53.69	-484.34	554.52	538.15	521.59	16.56	32.489		
1,900.00	1,867.77	1,869.66	1,866.80	9.48	8.23	55.84	-483.28	554.23	523.29	505.84	17.44	29.998		
2,000.00	1,964.96	1,978.71	1,975.78	9.98	8.67	58.14	-479.60	553.54	506.89	488.55	18.35	27.630		
2,100.00	2,062.15	2,089.35	2,086.23	10.49	9.11	60.49	-473.08	552.93	489.07	469.82	19.25	25.408		
2,200.00	2,159.34	2,199.32	2,195.72	10.99	9.56	62.88	-462.96	552.05	468.84	448.69	20.14	23.273		
2,300.00	2,256.53	2,311.56	2,307.05	11.50	10.02	65.36	-448.81	551.36	446.30	425.27	21.02	21.230		
2,400.00	2,353.71	2,414.08	2,408.35	12.01	10.45	67.70	-433.03	551.09	421.99	400.07	21.91	19.259		
2,500.00	2,450.90	2,519.97	2,512.59	12.53	10.88	70.36	-414.41	550.63	396.25	373.47	22.78	17.396		
2,600.00	2,548.09	2,632.02	2,622.14	13.04	11.35	73.51	-390.94	549.78	368.11	344.54	23.57	15.619		
2,700.00	2,645.28	2,750.32	2,735.81	13.56	11.86	76.81	-358.32	551.27	334.87	310.71	24.16	13.859		
2,800.00	2,742.47	2,869.56	2,847.19	14.08	12.39	80.69	-315.92	553.15	294.78	270.32	24.46	12.051		
2,900.00	2,839.66	2,966.74	2,935.67	14.60	12.85	85.05	-275.76	554.09	250.01	224.92	25.09	9.966		
3,000.00	2,936.85	3,047.27	3,009.03	15.12	13.23	90.51	-242.57	553.63	206.68	180.32	26.35	7.842		
3,100.00	3,034.04	3,131.21	3,086.23	15.65	13.64	98.90	-209.64	552.10	168.29	140.60	27.69	6.078		
3,200.00	3,131.22	3,220.04	3,168.27	16.17	14.08	111.77	-175.64	550.20	136.66	107.67	28.98	4.715		
3,300.00	3,228.41	3,306.10	3,247.96	16.69	14.51	128.87	-143.18	548.19	116.28	85.86	30.43	3.822		
3,364.72	3,291.31	3,362.85	3,301.02	17.03	14.79	141.47	-123.13	547.01	112.43	81.35	31.08	3.618 CC, ES, SF		
3,400.00	3,325.60	3,394.15	3,330.42	17.22	14.95	148.39	-112.38	546.36	113.55	82.23	31.32	3.626		
3,500.00	3,422.79	3,484.65	3,415.85	17.75	15.40	166.13	-82.56	544.64	127.22	95.46	31.76	4.006		
3,600.00	3,519.98	3,581.17	3,507.64	18.27	15.88	179.90	-52.77	544.50	150.14	117.75	32.39	4.635		
3,700.00	3,617.17	3,676.49	3,598.40	18.80	16.35	-170.15	-23.80	547.78	175.76	142.61	33.15	5.302		
3,800.00	3,714.36	3,763.92	3,680.81	19.33	16.80	-162.60	5.18	551.14	205.83	172.08	33.75	6.099		
3,900.00	3,811.55	3,845.37	3,756.67	19.86	17.22	-156.82	34.75	552.53	241.91	207.74	34.17	7.079		
4,000.00	3,908.74	3,922.60	3,827.42	20.39	17.64	-152.22	65.71	551.92	283.92	249.45	34.47	8.236		
4,100.00	4,005.92	3,996.79	3,894.25	20.92	18.05	-148.58	97.82	549.62	330.95	296.23	34.72	9.533		
4,200.00	4,103.11	4,067.20	3,956.43	21.45	18.44	-145.62	130.67	546.17	382.34	347.45	34.88	10.960		
4,300.00	4,200.30	4,141.47	4,020.85	21.98	18.88	-142.96	167.37	541.74	437.00	401.69	35.31	12.377		
4,400.00	4,297.49	4,227.39	4,094.84	22.51	19.38	-140.41	210.74	536.69	493.01	456.75	36.25	13.599		
4,500.00	4,394.68	4,333.67	4,187.98	23.04	20.01	-138.15	261.63	531.49	547.23	509.33	37.90	14.440		
4,600.00	4,491.87	4,448.59	4,292.20	23.57	20.67	-136.78	309.72	526.16	597.27	557.62	39.65	15.063		
4,700.00	4,589.06	4,571.28	4,406.56	24.10	21.34	-136.02	353.89	522.02	642.44	601.02	41.42	15.510		
4,800.00	4,686.25	4,675.81	4,505.63	24.64	21.90	-135.79	386.97	518.14	684.88	642.23	42.64	16.060		
4,900.00	4,783.43	4,779.34	4,604.51	25.17	22.45	-135.65	417.55	515.57	724.98	681.18	43.81	16.550		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	4,871.79	4,693.00	25.70	22.93	-135.57	444.22	513.18	764.71	719.97	44.74	17.092		
5,100.00	4,977.81	4,965.74	4,782.94	26.23	23.42	-135.49	471.28	511.03	804.24	758.53	45.70	17.597		
5,200.00	5,075.00	5,062.23	4,875.29	26.77	23.92	-135.38	499.20	509.43	843.46	796.75	46.71	18.058		
5,300.00	5,172.19	5,146.55	4,955.74	27.30	24.37	-135.17	524.46	509.51	882.39	834.88	47.51	18.573		
5,400.00	5,269.38	5,216.64	5,021.75	27.83	24.75	-134.84	547.98	510.36	923.24	875.18	48.06	19.211		
5,457.75	5,325.51	5,259.53	5,061.80	28.14	24.99	-134.60	563.32	510.99	947.69	899.27	48.42	19.571		
5,500.00	5,366.64	5,290.68	5,090.77	28.37	25.16	-134.70	574.77	511.44	965.72	917.04	48.68	19.837		
5,600.00	5,464.53	5,377.04	5,170.79	28.87	25.65	-134.72	607.21	512.69	1,007.45	957.92	49.53	20.341		
5,700.00	5,563.07	5,501.11	5,286.52	29.35	26.34	-134.37	651.86	514.37	1,046.02	994.97	51.04	20.493		
5,800.00	5,662.15	5,592.39	5,372.29	29.80	26.84	-134.21	683.09	515.33	1,081.17	1,029.24	51.92	20.822		
5,900.00	5,761.64	5,702.98	5,476.64	30.23	27.45	-133.77	719.65	517.46	1,112.75	1,059.65	53.11	20.952		
6,000.00	5,861.42	5,784.07	5,553.25	30.64	27.89	-133.49	746.18	518.63	1,142.34	1,088.56	53.78	21.240		
6,100.00	5,961.36	5,851.95	5,617.01	31.02	28.26	-133.25	769.49	519.07	1,171.62	1,117.41	54.21	21.612		
6,138.64	6,000.00	5,883.83	5,646.79	31.16	28.44	-37.57	780.85	519.12	1,182.91	1,128.44	54.47	21.717		
6,200.00	6,061.36	5,939.53	5,698.87	31.38	28.75	-36.97	800.62	518.93	1,200.77	1,145.80	54.97	21.846		
6,300.00	6,161.36	6,021.43	5,775.38	31.74	29.22	-36.14	829.81	518.19	1,230.58	1,174.96	55.62	22.124		
6,400.00	6,261.36	6,106.99	5,855.05	32.10	29.70	-35.31	860.98	517.05	1,261.57	1,205.22	56.34	22.390		
6,500.00	6,361.36	6,224.03	5,964.42	32.46	30.36	-34.29	902.56	514.51	1,292.58	1,234.96	57.62	22.433		
6,562.02	6,423.38	6,278.65	6,015.80	32.68	30.67	-33.86	921.05	513.16	1,311.11	1,253.01	58.09	22.569		
6,600.00	6,461.34	6,308.42	6,043.80	32.82	30.83	55.83	931.11	512.09	1,322.09	1,263.78	58.32	22.671		
6,650.00	6,511.08	6,346.01	6,079.12	32.99	31.05	55.23	943.85	510.41	1,335.01	1,276.43	58.58	22.791		
6,700.00	6,560.29	6,380.77	6,111.67	33.17	31.24	54.83	955.97	508.89	1,346.26	1,287.46	58.80	22.897		
6,750.00	6,608.64	6,414.70	6,143.30	33.36	31.44	54.65	968.17	507.51	1,355.90	1,296.89	59.01	22.976		
6,800.00	6,655.86	6,449.73	6,175.81	33.56	31.64	54.71	981.14	506.20	1,363.97	1,304.70	59.27	23.012		
6,850.00	6,701.64	6,486.05	6,209.41	33.78	31.85	54.99	994.86	504.96	1,370.42	1,310.84	59.58	23.000		
6,900.00	6,745.71	6,520.79	6,241.46	34.01	32.05	55.43	1,008.22	503.89	1,375.35	1,315.44	59.90	22.959		
6,950.00	6,787.79	6,600.99	6,315.75	34.27	32.51	57.26	1,038.40	501.95	1,378.29	1,317.19	61.10	22.558		
7,000.00	6,827.62	6,672.87	6,383.03	34.56	32.92	59.19	1,063.67	501.05	1,378.64	1,316.49	62.16	22.180		
7,050.00	6,864.96	6,747.84	6,453.68	34.87	33.33	61.56	1,088.72	501.66	1,376.99	1,313.70	63.29	21.758		
7,100.00	6,899.58	7,100.00	6,489.54	35.21	35.25	63.05	1,100.68	503.49	1,373.27	1,307.74	65.53	20.958		
7,150.00	6,931.26	6,907.65	6,603.00	35.60	34.16	67.93	1,139.93	522.41	1,368.08	1,302.34	65.73	20.812		
7,200.00	6,959.81	6,942.96	6,634.36	36.02	34.32	69.83	1,151.43	533.84	1,362.60	1,296.14	66.46	20.503		
7,250.00	6,985.06	6,957.08	6,646.67	36.47	34.39	70.87	1,155.99	539.02	1,357.41	1,290.42	67.00	20.261		
7,300.00	7,006.84	6,960.10	6,649.29	36.97	34.40	71.40	1,156.97	540.18	1,352.74	1,285.28	67.47	20.051		
7,350.00	7,025.02	6,956.69	6,646.34	37.51	34.39	71.60	1,155.87	538.88	1,348.65	1,280.74	67.91	19.858		
7,400.00	7,039.49	6,949.25	6,639.86	38.09	34.35	71.59	1,153.47	536.11	1,345.15	1,276.79	68.36	19.676		
7,450.00	7,050.17	6,939.11	6,630.98	38.70	34.31	71.41	1,150.19	532.49	1,342.22	1,273.39	68.83	19.500		
7,500.00	7,056.98	6,927.11	6,620.38	39.33	34.25	71.11	1,146.28	528.44	1,339.81	1,270.49	69.32	19.328		
7,550.00	7,059.89	6,913.76	6,608.48	39.99	34.19	70.73	1,141.93	524.23	1,337.88	1,268.05	69.83	19.159		
7,560.55	7,060.00	6,910.81	6,605.83	40.13	34.18	70.64	1,140.96	523.34	1,337.53	1,267.59	69.94	19.123		
7,600.00	7,060.09	6,900.38	6,596.45	40.67	34.13	70.21	1,137.55	520.34	1,336.79	1,266.41	70.38	18.994		
7,607.32	7,060.11	6,899.00	6,595.21	40.77	34.12	70.15	1,137.09	519.95	1,336.77	1,266.29	70.48	18.968		
7,700.00	7,060.32	6,883.12	6,580.77	42.14	34.04	69.49	1,131.89	515.85	1,339.82	1,268.12	71.70	18.687		
7,800.00	7,060.55	6,870.28	6,568.98	43.75	33.98	68.96	1,127.71	512.95	1,350.01	1,276.88	73.13	18.460		
7,900.00	7,060.78	6,860.25	6,559.71	45.48	33.93	68.54	1,124.46	510.95	1,367.28	1,292.68	74.60	18.328		
8,000.00	7,061.01	6,852.21	6,552.23	47.33	33.88	68.20	1,121.87	509.51	1,391.42	1,315.37	76.05	18.296		
8,100.00	7,061.24	6,845.62	6,546.09	49.27	33.85	67.92	1,119.76	508.44	1,422.11	1,344.68	77.43	18.367		
8,200.00	7,061.47	6,840.13	6,540.95	51.29	33.82	67.69	1,118.00	507.63	1,458.95	1,380.25	78.70	18.538		
8,300.00	7,061.70	6,835.48	6,536.59	53.40	33.80	67.49	1,116.52	507.00	1,501.52	1,421.66	79.86	18.802		
8,400.00	7,061.93	6,805.00	6,507.81	55.57	33.64	66.20	1,106.92	504.11	1,550.08	1,469.64	80.44	19.269		
8,500.00	7,062.16	6,805.00	6,507.81	57.80	33.64	66.20	1,106.92	504.11	1,602.54	1,521.12	81.42	19.682		
8,600.00	7,062.39	6,805.00	6,507.81	60.08	33.64	66.20	1,106.92	504.11	1,659.37	1,577.10	82.27	20.171		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	6,805.00	6,507.81	62.42	33.64	66.20	1,106.92	504.11	1,720.14	1,637.15	82.99	20.727		
8,800.00	7,062.86	6,805.00	6,507.81	64.79	33.64	66.20	1,106.92	504.11	1,784.45	1,700.84	83.61	21.343		
8,900.00	7,063.09	6,805.00	6,507.81	67.20	33.64	66.20	1,106.92	504.11	1,851.93	1,767.80	84.13	22.013		
9,000.00	7,063.32	6,805.00	6,507.81	69.65	33.64	66.20	1,106.92	504.11	1,922.24	1,837.67	84.57	22.731		
9,100.00	7,063.55	6,805.00	6,507.81	72.12	33.64	66.20	1,106.92	504.11	1,995.09	1,910.16	84.93	23.491		
9,200.00	7,063.78	6,805.00	6,507.81	74.63	33.64	66.20	1,106.92	504.11	2,070.21	1,984.98	85.23	24.289		
9,300.00	7,064.01	6,805.00	6,507.81	77.16	33.64	66.20	1,106.92	504.11	2,147.36	2,061.88	85.48	25.121		
9,400.00	7,064.24	6,805.00	6,507.81	79.71	33.64	66.20	1,106.92	504.11	2,226.32	2,140.64	85.68	25.983		
9,500.00	7,064.47	6,805.00	6,507.81	82.28	33.64	66.20	1,106.92	504.11	2,306.92	2,221.07	85.85	26.872		
9,600.00	7,064.70	6,805.00	6,507.81	84.87	33.64	66.20	1,106.92	504.11	2,388.99	2,303.01	85.98	27.785		
9,700.00	7,064.93	6,805.00	6,507.81	87.47	33.64	66.20	1,106.92	504.11	2,472.38	2,386.29	86.09	28.719		
9,800.00	7,065.16	6,805.00	6,507.81	90.09	33.64	66.20	1,106.92	504.11	2,556.95	2,470.78	86.17	29.673		
9,900.00	7,065.39	6,805.00	6,507.81	92.73	33.64	66.20	1,106.92	504.11	2,642.61	2,556.38	86.23	30.645		
10,000.00	7,065.62	6,805.00	6,507.81	95.38	33.64	66.20	1,106.92	504.11	2,729.24	2,642.96	86.28	31.631		
10,100.00	7,065.85	6,805.00	6,507.81	98.04	33.64	66.20	1,106.92	504.11	2,816.76	2,730.44	86.32	32.632		
10,200.00	7,066.08	6,805.00	6,507.81	100.71	33.64	66.20	1,106.92	504.11	2,905.09	2,818.74	86.34	33.646		
10,300.00	7,066.31	6,805.00	6,507.81	103.39	33.64	66.20	1,106.92	504.11	2,994.14	2,907.79	86.36	34.672		
10,400.00	7,066.54	6,805.00	6,507.81	106.08	33.64	66.20	1,106.92	504.11	3,083.87	2,997.51	86.37	35.707		
10,500.00	7,066.77	6,805.00	6,507.81	108.78	33.64	66.20	1,106.92	504.11	3,174.22	3,087.85	86.37	36.753		
10,600.00	7,067.01	6,805.00	6,507.81	111.48	33.64	66.20	1,106.92	504.11	3,265.12	3,178.76	86.36	37.806		
10,700.00	7,067.24	6,805.00	6,507.81	114.20	33.64	66.20	1,106.92	504.11	3,356.55	3,270.19	86.36	38.868		
10,800.00	7,067.47	6,805.00	6,507.81	116.92	33.64	66.20	1,106.92	504.11	3,448.45	3,362.10	86.35	39.937		
10,900.00	7,067.70	6,805.00	6,507.81	119.65	33.64	66.20	1,106.92	504.11	3,540.79	3,454.45	86.34	41.012		
11,000.00	7,067.93	6,779.56	6,483.70	122.38	33.51	65.12	1,098.92	502.79	3,633.30	3,547.26	86.04	42.228		
11,100.00	7,068.16	6,777.90	6,482.12	125.12	33.50	65.05	1,098.39	502.72	3,726.39	3,640.38	86.01	43.326		
11,200.00	7,068.39	6,776.30	6,480.61	127.86	33.49	64.98	1,097.88	502.65	3,819.82	3,733.85	85.98	44.428		
11,300.00	7,068.62	6,774.77	6,479.16	130.61	33.48	64.92	1,097.39	502.58	3,913.58	3,827.64	85.95	45.535		
11,400.00	7,068.85	6,773.31	6,477.77	133.37	33.47	64.86	1,096.93	502.52	4,007.64	3,921.73	85.92	46.646		
11,500.00	7,069.08	6,771.90	6,476.44	136.12	33.46	64.80	1,096.48	502.47	4,101.98	4,016.10	85.89	47.761		
11,600.00	7,069.31	6,770.54	6,475.16	138.89	33.46	64.74	1,096.04	502.41	4,196.58	4,110.73	85.86	48.879		
11,700.00	7,069.54	6,769.24	6,473.92	141.65	33.45	64.68	1,095.63	502.36	4,291.43	4,205.60	85.83	50.000		
11,800.00	7,069.77	6,767.99	6,472.74	144.42	33.44	64.63	1,095.23	502.31	4,386.50	4,300.70	85.80	51.123		
11,900.00	7,070.00	6,766.78	6,471.59	147.19	33.44	64.58	1,094.84	502.27	4,481.78	4,396.01	85.78	52.249		
12,000.00	7,070.23	6,765.62	6,470.49	149.97	33.43	64.53	1,094.47	502.23	4,577.27	4,491.52	85.75	53.377		
12,100.00	7,070.46	6,764.49	6,469.43	152.75	33.42	64.48	1,094.11	502.18	4,672.94	4,587.21	85.73	54.507		
12,200.00	7,070.69	6,763.41	6,468.41	155.53	33.42	64.44	1,093.76	502.15	4,768.79	4,683.08	85.71	55.638		
12,300.00	7,070.92	6,762.36	6,467.42	158.32	33.41	64.39	1,093.42	502.11	4,864.81	4,779.12	85.69	56.771		
12,400.00	7,071.16	6,761.35	6,466.46	161.10	33.41	64.35	1,093.10	502.07	4,960.98	4,875.31	85.67	57.905		
12,500.00	7,071.39	6,760.37	6,465.53	163.89	33.40	64.31	1,092.78	502.04	5,057.30	4,971.65	85.66	59.041		
12,600.00	7,071.62	6,759.43	6,464.64	166.69	33.40	64.27	1,092.48	502.01	5,153.76	5,068.12	85.64	60.177		
12,700.00	7,071.85	6,758.51	6,463.77	169.48	33.39	64.23	1,092.18	501.98	5,250.36	5,164.73	85.63	61.314		
12,800.00	7,072.08	6,757.63	6,462.94	172.28	33.39	64.19	1,091.89	501.95	5,347.07	5,261.45	85.62	62.452		
12,900.00	7,072.31	6,756.77	6,462.12	175.08	33.38	64.16	1,091.62	501.92	5,443.91	5,358.30	85.61	63.590		
13,000.00	7,072.54	6,755.94	6,461.34	177.88	33.38	64.12	1,091.35	501.90	5,540.86	5,455.25	85.60	64.728		
13,100.00	7,072.77	6,755.13	6,460.57	180.68	33.37	64.09	1,091.09	501.87	5,637.91	5,552.31	85.60	65.867		
13,200.00	7,073.00	6,754.34	6,459.83	183.48	33.37	64.05	1,090.83	501.85	5,735.06	5,649.47	85.59	67.006		
13,300.00	7,073.23	6,753.58	6,459.11	186.29	33.36	64.02	1,090.59	501.83	5,832.31	5,746.73	85.59	68.145		
13,400.00	7,073.46	6,752.85	6,458.41	189.09	33.36	63.99	1,090.35	501.80	5,929.65	5,844.07	85.59	69.284		
13,500.00	7,073.69	6,752.13	6,457.73	191.90	33.36	63.96	1,090.12	501.78	6,027.08	5,941.50	85.59	70.422		
13,600.00	7,073.92	6,751.43	6,457.07	194.71	33.35	63.93	1,089.89	501.76	6,124.59	6,039.01	85.59	71.560		
13,700.00	7,074.15	6,750.75	6,456.43	197.52	33.35	63.90	1,089.67	501.74	6,222.18	6,136.59	85.59	72.698		
13,800.00	7,074.38	6,750.09	6,455.81	200.34	33.35	63.87	1,089.45	501.73	6,319.85	6,234.25	85.59	73.835		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	6,749.45	6,455.20	203.15	33.34	63.85	1,089.25	501.71	6,417.58	6,331.98	85.60	74.972		
14,000.00	7,074.84	6,748.82	6,454.61	205.97	33.34	63.82	1,089.04	501.69	6,515.39	6,429.78	85.61	76.108		
14,100.00	7,075.07	6,748.22	6,454.04	208.78	33.34	63.80	1,088.84	501.67	6,613.26	6,527.64	85.62	77.244		
14,200.00	7,075.30	6,747.62	6,453.48	211.60	33.33	63.77	1,088.65	501.66	6,711.19	6,625.56	85.63	78.378		
14,300.00	7,075.54	6,747.05	6,452.93	214.42	33.33	63.75	1,088.46	501.64	6,809.18	6,723.54	85.64	79.512		
14,400.00	7,075.77	6,746.48	6,452.40	217.24	33.33	63.72	1,088.28	501.63	6,907.23	6,821.58	85.65	80.645		
14,500.00	7,076.00	6,745.93	6,451.88	220.06	33.32	63.70	1,088.10	501.62	7,005.33	6,919.67	85.66	81.777		
14,600.00	7,076.23	6,711.00	6,418.91	222.88	33.13	62.23	1,076.58	501.08	7,103.88	7,018.55	85.33	83.250		
14,700.00	7,076.46	6,711.00	6,418.91	225.70	33.13	62.23	1,076.58	501.08	7,202.07	7,116.72	85.35	84.378		
14,800.00	7,076.69	6,711.00	6,418.91	228.53	33.13	62.23	1,076.58	501.08	7,300.32	7,214.94	85.38	85.505		
14,900.00	7,076.92	6,711.00	6,418.91	231.35	33.13	62.23	1,076.58	501.08	7,398.61	7,313.21	85.40	86.630		
15,000.00	7,077.15	6,711.00	6,418.91	234.18	33.13	62.23	1,076.58	501.08	7,496.95	7,411.52	85.43	87.755		
15,100.00	7,077.38	6,711.00	6,418.91	237.00	33.13	62.23	1,076.58	501.08	7,595.33	7,509.87	85.46	88.878		
15,200.00	7,077.61	6,711.00	6,418.91	239.83	33.13	62.23	1,076.58	501.08	7,693.75	7,608.26	85.49	89.999		
15,300.00	7,077.84	6,711.00	6,418.91	242.66	33.13	62.23	1,076.58	501.08	7,792.21	7,706.69	85.52	91.119		
15,400.00	7,078.07	6,711.00	6,418.91	245.49	33.13	62.23	1,076.58	501.08	7,890.71	7,805.16	85.55	92.238		
15,500.00	7,078.30	6,711.00	6,418.91	248.31	33.13	62.23	1,076.58	501.08	7,989.25	7,903.67	85.58	93.355		
15,600.00	7,078.53	6,711.00	6,418.91	251.14	33.13	62.23	1,076.58	501.08	8,087.82	8,002.21	85.61	94.471		
15,700.00	7,078.76	6,711.00	6,418.91	253.97	33.13	62.23	1,076.58	501.08	8,186.43	8,100.79	85.65	95.584		
15,800.00	7,078.99	6,711.00	6,418.91	256.80	33.13	62.23	1,076.58	501.08	8,285.07	8,199.39	85.68	96.697		
15,900.00	7,079.22	6,711.00	6,418.91	259.64	33.13	62.23	1,076.58	501.08	8,383.75	8,298.03	85.72	97.807		
16,000.00	7,079.45	6,711.00	6,418.91	262.47	33.13	62.23	1,076.58	501.08	8,482.45	8,396.70	85.75	98.916		
16,100.00	7,079.69	6,711.00	6,418.91	265.30	33.13	62.23	1,076.58	501.08	8,581.19	8,495.40	85.79	100.023		
16,200.00	7,079.92	6,711.00	6,418.91	268.13	33.13	62.23	1,076.58	501.08	8,679.95	8,594.12	85.83	101.128		
16,300.00	7,080.15	6,711.00	6,418.91	270.97	33.13	62.23	1,076.58	501.08	8,778.74	8,692.87	85.87	102.231		
16,400.00	7,080.38	6,711.00	6,418.91	273.80	33.13	62.23	1,076.58	501.08	8,877.56	8,791.65	85.91	103.332		
16,500.00	7,080.61	6,711.00	6,418.91	276.64	33.13	62.23	1,076.58	501.08	8,976.41	8,890.45	85.95	104.432		
16,600.00	7,080.84	6,711.00	6,418.91	279.47	33.13	62.23	1,076.58	501.08	9,075.28	8,989.28	86.00	105.529		
16,700.00	7,081.07	6,711.00	6,418.91	282.31	33.13	62.23	1,076.58	501.08	9,174.17	9,088.13	86.04	106.624		
16,800.00	7,081.30	6,711.00	6,418.91	285.14	33.13	62.23	1,076.58	501.08	9,273.09	9,187.00	86.09	107.718		
16,900.00	7,081.53	6,711.00	6,418.91	287.98	33.13	62.23	1,076.58	501.08	9,372.03	9,285.90	86.13	108.809		
17,000.00	7,081.76	6,711.00	6,418.91	290.82	33.13	62.23	1,076.58	501.08	9,471.00	9,384.82	86.18	109.898		
17,100.00	7,081.99	6,711.00	6,418.91	293.65	33.13	62.23	1,076.58	501.08	9,569.98	9,483.76	86.23	110.985		
17,200.00	7,082.22	6,711.00	6,418.91	296.49	33.13	62.23	1,076.58	501.08	9,668.99	9,582.71	86.28	112.070		
17,300.00	7,082.45	6,711.00	6,418.91	299.33	33.13	62.23	1,076.58	501.08	9,768.02	9,681.69	86.33	113.153		
17,400.00	7,082.68	6,711.00	6,418.91	302.17	33.13	62.23	1,076.58	501.08	9,867.06	9,780.69	86.38	114.233		
17,500.00	7,082.91	6,711.00	6,418.91	305.01	33.13	62.23	1,076.58	501.08	9,966.13	9,879.70	86.43	115.312		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-59.74	-0.56	59.74					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-59.74	-0.56	59.74	53.18	6.57	9.094		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-59.74	-0.56	59.74	53.07	6.67	8.952		
300.00	300.00	300.00	300.00	3.44	3.44	-179.47	-59.74	-0.56	59.74	52.85	6.89	8.671 CC, ES		
400.00	399.98	398.83	398.81	3.60	3.60	85.30	-60.72	0.84	60.57	53.37	7.20	8.415		
500.00	499.84	497.61	497.45	3.80	3.79	86.10	-63.65	5.02	63.05	55.46	7.59	8.307		
600.00	599.45	596.30	595.77	4.04	4.02	87.28	-68.52	11.98	67.22	59.15	8.07	8.334		
700.00	698.70	694.86	693.61	4.31	4.28	88.70	-75.33	21.70	73.08	64.47	8.61	8.486		
800.00	797.47	793.24	790.81	4.62	4.58	90.21	-84.04	34.14	80.66	71.44	9.22	8.745		
900.00	895.62	891.41	887.22	4.97	4.92	91.68	-94.63	49.27	89.97	80.07	9.90	9.091		
980.89	974.49	970.62	964.51	5.27	5.22	92.80	-104.56	63.45	98.76	88.28	10.49	9.419		
1,000.00	993.07	989.32	982.68	5.34	5.29	93.05	-107.08	67.05	101.00	90.37	10.63	9.501		
1,100.00	1,090.26	1,088.41	1,078.84	5.75	5.69	93.94	-120.82	86.67	113.03	101.61	11.42	9.897		
1,200.00	1,187.45	1,187.67	1,175.15	6.17	6.11	94.66	-134.59	106.34	125.09	112.83	12.25	10.208		
1,300.00	1,284.64	1,286.93	1,271.47	6.62	6.55	95.24	-148.37	126.01	137.16	124.04	13.12	10.454		
1,400.00	1,381.83	1,386.19	1,367.78	7.07	7.01	95.73	-162.14	145.68	149.24	135.23	14.02	10.648		
1,500.00	1,479.01	1,485.45	1,464.09	7.54	7.48	96.15	-175.91	165.35	161.33	146.40	14.93	10.804		
1,600.00	1,576.20	1,584.71	1,560.40	8.02	7.95	96.51	-189.69	185.02	173.43	157.56	15.87	10.929		
1,700.00	1,673.39	1,683.97	1,656.71	8.50	8.44	96.83	-203.46	204.69	185.54	168.72	16.82	11.030		
1,800.00	1,770.58	1,783.23	1,753.02	8.99	8.93	97.10	-217.23	224.36	197.65	179.86	17.79	11.112		
1,900.00	1,867.77	1,882.49	1,849.33	9.48	9.42	97.34	-231.01	244.04	209.76	191.00	18.76	11.180		
2,000.00	1,964.96	1,981.75	1,945.65	9.98	9.93	97.56	-244.78	263.71	221.88	202.13	19.75	11.235		
2,100.00	2,062.15	2,081.01	2,041.96	10.49	10.43	97.75	-258.55	283.38	234.00	213.26	20.74	11.281		
2,200.00	2,159.34	2,180.27	2,138.27	10.99	10.94	97.93	-272.33	303.05	246.12	224.38	21.74	11.319		
2,300.00	2,256.53	2,279.53	2,234.58	11.50	11.45	98.09	-286.10	322.72	258.25	235.50	22.75	11.351		
2,400.00	2,353.71	2,378.79	2,330.89	12.01	11.96	98.23	-299.87	342.39	270.38	246.61	23.76	11.378		
2,500.00	2,450.90	2,478.05	2,427.20	12.53	12.48	98.36	-313.65	362.06	282.50	257.73	24.78	11.401		
2,600.00	2,548.09	2,577.31	2,523.51	13.04	13.00	98.48	-327.42	381.73	294.63	268.83	25.80	11.420		
2,700.00	2,645.28	2,676.57	2,619.83	13.56	13.52	98.59	-341.19	401.40	306.77	279.94	26.82	11.436		
2,800.00	2,742.47	2,775.83	2,716.14	14.08	14.04	98.70	-354.97	421.07	318.90	291.04	27.85	11.449		
2,900.00	2,839.66	2,875.09	2,812.45	14.60	14.56	98.79	-368.74	440.74	331.03	302.15	28.88	11.461		
3,000.00	2,936.85	2,974.35	2,908.76	15.12	15.09	98.88	-382.51	460.41	343.16	313.25	29.92	11.471		
3,100.00	3,034.04	3,073.61	3,005.07	15.65	15.61	98.96	-396.29	480.08	355.30	324.35	30.95	11.479		
3,200.00	3,131.22	3,172.87	3,101.38	16.17	16.14	99.04	-410.06	499.75	367.43	335.44	31.99	11.486		
3,300.00	3,228.41	3,272.13	3,197.69	16.69	16.67	99.11	-423.83	519.42	379.57	346.54	33.03	11.492		
3,400.00	3,325.60	3,371.39	3,294.00	17.22	17.20	99.18	-437.61	539.09	391.70	357.64	34.07	11.497		
3,500.00	3,422.79	3,470.65	3,390.32	17.75	17.73	99.24	-451.38	558.76	403.84	368.73	35.11	11.501		
3,600.00	3,519.98	3,569.91	3,486.63	18.27	18.25	99.30	-465.15	578.43	415.98	379.82	36.16	11.505		
3,700.00	3,617.17	3,669.17	3,582.94	18.80	18.79	99.36	-478.93	598.10	428.12	390.91	37.20	11.508		
3,800.00	3,714.36	3,768.43	3,679.25	19.33	19.32	99.41	-492.70	617.77	440.25	402.01	38.25	11.510		
3,900.00	3,811.55	3,867.69	3,775.56	19.86	19.85	99.46	-506.47	637.44	452.39	413.10	39.30	11.512		
4,000.00	3,908.74	3,966.95	3,871.87	20.39	20.38	99.51	-520.25	657.11	464.53	424.19	40.34	11.514		
4,100.00	4,005.92	4,066.21	3,968.18	20.92	20.91	99.56	-534.02	676.78	476.67	435.28	41.39	11.515		
4,200.00	4,103.11	4,165.47	4,064.50	21.45	21.45	99.60	-547.79	696.45	488.81	446.37	42.45	11.516		
4,300.00	4,200.30	4,264.73	4,160.81	21.98	21.98	99.64	-561.57	716.12	500.95	457.45	43.50	11.517		
4,400.00	4,297.49	4,363.99	4,257.12	22.51	22.51	99.68	-575.34	735.79	513.09	468.54	44.55	11.518		
4,500.00	4,394.68	4,463.25	4,353.43	23.04	23.05	99.72	-589.11	755.47	525.23	479.63	45.60	11.518		
4,600.00	4,491.87	4,562.51	4,449.74	23.57	23.58	99.75	-602.89	775.14	537.37	490.72	46.65	11.518		
4,700.00	4,589.06	4,661.77	4,546.05	24.10	24.12	99.79	-616.66	794.81	549.51	501.80	47.71	11.518		
4,800.00	4,686.25	4,761.03	4,642.36	24.64	24.65	99.82	-630.43	814.48	561.65	512.89	48.76	11.518		
4,900.00	4,783.43	4,860.29	4,738.67	25.17	25.19	99.85	-644.21	834.15	573.79	523.97	49.82	11.518		
5,000.00	4,880.62	4,959.55	4,834.99	25.70	25.72	99.88	-657.98	853.82	585.93	535.06	50.87	11.517		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,058.81	4,931.30	26.23	26.26	99.91	-671.75	873.49	598.07	546.14	51.93	11.517		
5,200.00	5,075.00	5,158.07	5,027.61	26.77	26.79	99.94	-685.53	893.16	610.22	557.23	52.99	11.516		
5,300.00	5,172.19	5,257.33	5,123.92	27.30	27.33	99.97	-699.30	912.83	622.36	568.31	54.04	11.516		
5,400.00	5,269.38	5,356.59	5,220.23	27.83	27.87	99.99	-713.07	932.50	634.50	579.40	55.10	11.515		
5,457.75	5,325.51	5,413.91	5,275.85	28.14	28.18	100.00	-721.03	943.86	641.51	585.80	55.71	11.515		
5,500.00	5,366.64	5,455.85	5,316.55	28.37	28.40	100.09	-726.85	952.17	646.59	590.43	56.16	11.514		
5,600.00	5,464.53	5,555.13	5,412.88	28.87	28.94	100.06	-740.62	971.84	658.17	600.99	57.18	11.511		
5,700.00	5,563.07	5,654.32	5,509.12	29.35	29.48	99.74	-754.39	991.50	669.19	611.02	58.17	11.505		
5,800.00	5,662.15	5,753.30	5,605.16	29.80	30.01	99.14	-768.12	1,011.12	679.72	620.60	59.11	11.499		
5,900.00	5,761.64	5,851.95	5,700.89	30.23	30.55	98.28	-781.81	1,030.67	689.88	629.86	60.02	11.494		
6,000.00	5,861.42	5,950.15	5,796.17	30.64	31.08	97.16	-795.44	1,050.13	699.84	638.96	60.89	11.494		
6,100.00	5,961.36	6,047.78	5,890.90	31.02	31.61	95.83	-808.99	1,069.47	709.82	648.11	61.71	11.502		
6,138.64	6,000.00	6,085.33	5,927.33	31.16	31.81	-169.24	-814.19	1,076.91	713.73	651.72	62.02	11.508		
6,200.00	6,061.36	6,144.87	5,985.10	31.38	32.13	-170.29	-822.46	1,088.71	720.11	657.61	62.49	11.523		
6,300.00	6,161.36	6,241.90	6,079.24	31.74	32.66	-171.96	-835.92	1,107.94	731.02	667.76	63.26	11.555		
6,400.00	6,261.36	6,338.93	6,173.39	32.10	33.18	-173.59	-849.38	1,127.17	742.56	678.53	64.03	11.597		
6,500.00	6,361.36	6,435.96	6,267.54	32.46	33.71	-175.17	-862.85	1,146.40	754.71	689.91	64.79	11.648		
6,562.02	6,423.38	6,503.87	6,325.93	32.68	34.08	-176.12	-871.20	1,158.32	762.53	697.22	65.31	11.676		
6,600.00	6,461.34	6,532.74	6,361.45	32.82	34.23	-86.03	-876.28	1,165.58	767.35	701.80	65.54	11.708		
6,650.00	6,511.08	6,580.03	6,407.33	32.99	34.49	-86.53	-882.84	1,174.95	773.67	707.78	65.88	11.743		
6,700.00	6,560.29	6,626.03	6,451.97	33.17	34.74	-87.22	-889.22	1,184.07	780.11	713.92	66.20	11.785		
6,750.00	6,608.64	6,670.62	6,495.27	33.36	34.98	-88.04	-895.42	1,192.72	786.90	720.41	66.49	11.835		
6,800.00	6,655.86	6,715.96	6,539.70	33.56	35.20	-88.90	-901.78	1,199.04	794.15	727.36	66.79	11.891		
6,850.00	6,701.64	6,762.90	6,586.05	33.78	35.41	-89.77	-908.44	1,202.21	801.85	734.75	67.10	11.950		
6,900.00	6,745.71	6,811.68	6,634.31	34.01	35.60	-90.64	-915.39	1,201.83	809.97	742.53	67.44	12.011		
6,950.00	6,787.79	6,862.54	6,684.46	34.27	35.76	-91.53	-922.63	1,197.46	818.43	750.64	67.79	12.072		
7,000.00	6,827.62	6,915.78	6,736.39	34.56	35.93	-92.43	-930.15	1,188.58	827.17	758.99	68.18	12.132		
7,050.00	6,864.96	6,971.71	6,789.95	34.87	36.10	-93.34	-937.93	1,174.55	836.10	767.51	68.59	12.190		
7,100.00	6,899.58	7,030.68	6,844.87	35.21	36.28	-94.27	-945.94	1,154.69	845.11	776.08	69.02	12.244		
7,150.00	6,931.26	7,093.06	6,900.72	35.60	36.48	-95.21	-954.10	1,128.18	854.06	784.58	69.48	12.292		
7,200.00	6,959.81	7,159.21	6,956.83	36.02	36.72	-96.16	-962.34	1,094.19	862.81	792.85	69.96	12.332		
7,250.00	6,985.06	7,229.47	7,012.26	36.47	37.00	-97.10	-970.53	1,051.85	871.19	800.69	70.49	12.358		
7,300.00	7,006.84	7,304.12	7,065.70	36.97	37.35	-98.02	-978.47	1,000.40	878.98	807.88	71.10	12.362		
7,350.00	7,025.02	7,383.29	7,115.45	37.51	37.78	-98.89	-985.92	939.34	885.98	814.13	71.85	12.330		
7,400.00	7,039.49	7,466.89	7,159.41	38.09	38.33	-99.67	-992.59	868.61	891.97	819.16	72.82	12.250		
7,450.00	7,050.17	7,554.56	7,195.24	38.70	39.02	-100.33	-998.13	788.86	896.73	822.67	74.06	12.108		
7,500.00	7,056.98	7,645.59	7,220.61	39.33	39.86	-100.83	-1,002.20	701.61	900.05	824.41	75.64	11.898		
7,550.00	7,059.89	7,738.94	7,233.57	39.99	40.85	-101.13	-1,004.51	609.29	901.79	824.23	77.56	11.627		
7,560.55	7,060.00	7,758.81	7,234.59	40.13	41.07	-101.16	-1,004.75	589.44	901.95	823.95	78.00	11.563		
7,600.00	7,060.09	7,808.48	7,235.06	40.67	41.65	-101.19	-1,005.05	539.78	902.01	822.77	79.23	11.385		
7,700.00	7,060.32	7,908.48	7,235.28	42.14	42.94	-101.18	-1,005.56	439.78	901.99	819.95	82.04	10.994		
7,800.00	7,060.55	8,008.48	7,235.49	43.75	44.38	-101.18	-1,006.07	339.78	901.97	816.84	85.13	10.595		
7,900.00	7,060.78	8,108.48	7,235.70	45.48	45.96	-101.18	-1,006.58	239.78	901.95	813.48	88.47	10.195		
8,000.00	7,061.01	8,208.48	7,235.91	47.33	47.68	-101.18	-1,007.09	139.78	901.93	809.90	92.03	9.800		
8,100.00	7,061.24	8,308.48	7,236.13	49.27	49.50	-101.18	-1,007.59	39.78	901.91	806.12	95.79	9.415		
8,200.00	7,061.47	8,408.48	7,236.34	51.29	51.42	-101.18	-1,008.10	-60.21	901.89	802.17	99.73	9.044		
8,300.00	7,061.70	8,508.48	7,236.55	53.40	53.44	-101.18	-1,008.61	-160.21	901.87	798.05	103.82	8.687		
8,400.00	7,061.93	8,608.48	7,236.77	55.57	55.53	-101.18	-1,009.12	-260.21	901.85	793.81	108.05	8.347		
8,500.00	7,062.16	8,708.48	7,236.98	57.80	57.68	-101.18	-1,009.63	-360.21	901.84	789.44	112.40	8.023		
8,600.00	7,062.39	8,808.48	7,237.19	60.08	59.90	-101.18	-1,010.14	-460.21	901.82	784.96	116.86	7.717		
8,700.00	7,062.63	8,908.48	7,237.41	62.42	62.17	-101.18	-1,010.64	-560.21	901.80	780.38	121.42	7.427		
8,800.00	7,062.86	9,008.48	7,237.62	64.79	64.49	-101.17	-1,011.15	-660.20	901.78	775.72	126.06	7.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,108.48	7,237.83	67.20	66.86	-101.17	-1,011.66	-760.20	901.76	770.98	130.78	6.895		
9,000.00	7,063.32	9,208.48	7,238.04	69.65	69.26	-101.17	-1,012.17	-860.20	901.74	766.17	135.57	6.651		
9,100.00	7,063.55	9,308.48	7,238.26	72.12	71.69	-101.17	-1,012.68	-960.20	901.72	761.30	140.42	6.422		
9,200.00	7,063.78	9,408.48	7,238.47	74.63	74.16	-101.17	-1,013.19	-1,060.20	901.70	756.37	145.33	6.205		
9,300.00	7,064.01	9,508.48	7,238.68	77.16	76.65	-101.17	-1,013.69	-1,160.20	901.69	751.40	150.29	6.000		
9,400.00	7,064.24	9,608.48	7,238.90	79.71	79.17	-101.17	-1,014.20	-1,260.20	901.67	746.38	155.29	5.806		
9,500.00	7,064.47	9,708.48	7,239.11	82.28	81.71	-101.17	-1,014.71	-1,360.19	901.65	741.31	160.33	5.624		
9,600.00	7,064.70	9,808.48	7,239.32	84.87	84.28	-101.17	-1,015.22	-1,460.19	901.63	736.21	165.42	5.451		
9,700.00	7,064.93	9,908.48	7,239.54	87.47	86.86	-101.17	-1,015.73	-1,560.19	901.61	731.08	170.53	5.287		
9,800.00	7,065.16	10,008.48	7,239.75	90.09	89.45	-101.17	-1,016.24	-1,660.19	901.59	725.91	175.68	5.132		
9,900.00	7,065.39	10,108.48	7,239.96	92.73	92.07	-101.16	-1,016.74	-1,760.19	901.57	720.72	180.85	4.985		
10,000.00	7,065.62	10,208.48	7,240.17	95.38	94.70	-101.16	-1,017.25	-1,860.19	901.55	715.50	186.06	4.846		
10,100.00	7,065.85	10,308.48	7,240.39	98.04	97.34	-101.16	-1,017.76	-1,960.19	901.53	710.25	191.28	4.713		
10,200.00	7,066.08	10,408.48	7,240.60	100.71	99.99	-101.16	-1,018.27	-2,060.18	901.52	704.99	196.53	4.587		
10,300.00	7,066.31	10,508.48	7,240.81	103.39	102.66	-101.16	-1,018.78	-2,160.18	901.50	699.70	201.80	4.467		
10,400.00	7,066.54	10,608.48	7,241.03	106.08	105.33	-101.16	-1,019.28	-2,260.18	901.48	694.39	207.08	4.353		
10,500.00	7,066.77	10,708.48	7,241.24	108.78	108.01	-101.16	-1,019.79	-2,360.18	901.46	689.07	212.39	4.244		
10,600.00	7,067.01	10,808.48	7,241.45	111.48	110.71	-101.16	-1,020.30	-2,460.18	901.44	683.73	217.71	4.141		
10,700.00	7,067.24	10,908.48	7,241.67	114.20	113.41	-101.16	-1,020.81	-2,560.18	901.42	678.38	223.04	4.041		
10,800.00	7,067.47	11,008.48	7,241.88	116.92	116.12	-101.16	-1,021.32	-2,660.17	901.40	673.01	228.39	3.947		
10,900.00	7,067.70	11,108.48	7,242.09	119.65	118.83	-101.16	-1,021.83	-2,760.17	901.38	667.63	233.76	3.856		
11,000.00	7,067.93	11,208.48	7,242.31	122.38	121.55	-101.15	-1,022.33	-2,860.17	901.36	662.24	239.13	3.769		
11,100.00	7,068.16	11,308.48	7,242.52	125.12	124.28	-101.15	-1,022.84	-2,960.17	901.35	656.83	244.51	3.686		
11,200.00	7,068.39	11,408.48	7,242.73	127.86	127.02	-101.15	-1,023.35	-3,060.17	901.33	651.42	249.91	3.607		
11,300.00	7,068.62	11,508.48	7,242.94	130.61	129.76	-101.15	-1,023.86	-3,160.17	901.31	645.99	255.32	3.530		
11,400.00	7,068.85	11,608.48	7,243.16	133.37	132.50	-101.15	-1,024.37	-3,260.17	901.29	640.56	260.73	3.457		
11,500.00	7,069.08	11,708.48	7,243.37	136.12	135.25	-101.15	-1,024.88	-3,360.16	901.27	635.11	266.16	3.386		
11,600.00	7,069.31	11,808.48	7,243.58	138.89	138.00	-101.15	-1,025.38	-3,460.16	901.25	629.66	271.59	3.318		
11,700.00	7,069.54	11,908.48	7,243.80	141.65	140.76	-101.15	-1,025.89	-3,560.16	901.23	624.20	277.03	3.253		
11,800.00	7,069.77	12,008.48	7,244.01	144.42	143.52	-101.15	-1,026.40	-3,660.16	901.21	618.74	282.48	3.190		
11,900.00	7,070.00	12,108.48	7,244.22	147.19	146.29	-101.15	-1,026.91	-3,760.16	901.20	613.26	287.93	3.130		
12,000.00	7,070.23	12,208.48	7,244.44	149.97	149.06	-101.15	-1,027.42	-3,860.16	901.18	607.79	293.39	3.072		
12,100.00	7,070.46	12,308.48	7,244.65	152.75	151.83	-101.14	-1,027.93	-3,960.15	901.16	602.30	298.86	3.015		
12,200.00	7,070.69	12,408.48	7,244.86	155.53	154.61	-101.14	-1,028.43	-4,060.15	901.14	596.81	304.33	2.961		
12,300.00	7,070.92	12,508.48	7,245.07	158.32	157.39	-101.14	-1,028.94	-4,160.15	901.12	591.31	309.81	2.909		
12,400.00	7,071.16	12,608.48	7,245.29	161.10	160.17	-101.14	-1,029.45	-4,260.15	901.10	585.81	315.29	2.858		
12,500.00	7,071.39	12,708.48	7,245.50	163.89	162.95	-101.14	-1,029.96	-4,360.15	901.08	580.30	320.78	2.809		
12,600.00	7,071.62	12,808.48	7,245.71	166.69	165.74	-101.14	-1,030.47	-4,460.15	901.06	574.79	326.27	2.762		
12,700.00	7,071.85	12,908.48	7,245.93	169.48	168.53	-101.14	-1,030.97	-4,560.15	901.04	569.27	331.77	2.716		
12,800.00	7,072.08	13,008.48	7,246.14	172.28	171.32	-101.14	-1,031.48	-4,660.14	901.03	563.75	337.27	2.672		
12,900.00	7,072.31	13,108.48	7,246.35	175.08	174.11	-101.14	-1,031.99	-4,760.14	901.01	558.23	342.78	2.629		
13,000.00	7,072.54	13,208.48	7,246.57	177.88	176.91	-101.14	-1,032.50	-4,860.14	900.99	552.70	348.29	2.587		
13,100.00	7,072.77	13,308.48	7,246.78	180.68	179.71	-101.14	-1,033.01	-4,960.14	900.97	547.17	353.80	2.547		
13,200.00	7,073.00	13,408.48	7,246.99	183.48	182.50	-101.13	-1,033.52	-5,060.14	900.95	541.63	359.32	2.507		
13,300.00	7,073.23	13,508.48	7,247.20	186.29	185.31	-101.13	-1,034.02	-5,160.14	900.93	536.09	364.84	2.469		
13,400.00	7,073.46	13,608.48	7,247.42	189.09	188.11	-101.13	-1,034.53	-5,260.14	900.91	530.55	370.36	2.433		
13,500.00	7,073.69	13,708.48	7,247.63	191.90	190.91	-101.13	-1,035.04	-5,360.13	900.89	525.01	375.89	2.397		
13,600.00	7,073.92	13,808.48	7,247.84	194.71	193.72	-101.13	-1,035.55	-5,460.13	900.87	519.46	381.42	2.362		
13,700.00	7,074.15	13,908.48	7,248.06	197.52	196.53	-101.13	-1,036.06	-5,560.13	900.86	513.91	386.95	2.328		
13,800.00	7,074.38	14,008.48	7,248.27	200.34	199.34	-101.13	-1,036.57	-5,660.13	900.84	508.35	392.48	2.295		
13,900.00	7,074.61	14,108.48	7,248.48	203.15	202.15	-101.13	-1,037.07	-5,760.13	900.82	502.80	398.02	2.263		
14,000.00	7,074.84	14,208.48	7,248.70	205.97	204.96	-101.13	-1,037.58	-5,860.13	900.80	497.24	403.56	2.232		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	14,308.48	7,248.91	208.78	207.77	-101.13	-1,038.09	-5,960.12	900.78	491.68	409.10	2.202		
14,200.00	7,075.30	14,408.48	7,249.12	211.60	210.59	-101.13	-1,038.60	-6,060.12	900.76	486.11	414.65	2.172		
14,300.00	7,075.54	14,508.48	7,249.33	214.42	213.40	-101.13	-1,039.11	-6,160.12	900.74	480.55	420.19	2.144		
14,400.00	7,075.77	14,608.48	7,249.55	217.24	216.22	-101.12	-1,039.62	-6,260.12	900.72	474.98	425.74	2.116		
14,500.00	7,076.00	14,708.48	7,249.76	220.06	219.04	-101.12	-1,040.12	-6,360.12	900.71	469.41	431.29	2.088		
14,600.00	7,076.23	14,808.48	7,249.97	222.88	221.86	-101.12	-1,040.63	-6,460.12	900.69	463.84	436.85	2.062		
14,700.00	7,076.46	14,908.48	7,250.19	225.70	224.68	-101.12	-1,041.14	-6,560.12	900.67	458.27	442.40	2.036		
14,800.00	7,076.69	15,008.48	7,250.40	228.53	227.50	-101.12	-1,041.65	-6,660.11	900.65	452.69	447.96	2.011		
14,900.00	7,076.92	15,108.48	7,250.61	231.35	230.32	-101.12	-1,042.16	-6,760.11	900.63	447.11	453.52	1.986		
15,000.00	7,077.15	15,208.48	7,250.83	234.18	233.14	-101.12	-1,042.66	-6,860.11	900.61	441.54	459.08	1.962		
15,100.00	7,077.38	15,308.48	7,251.04	237.00	235.96	-101.12	-1,043.17	-6,960.11	900.59	435.95	464.64	1.938		
15,200.00	7,077.61	15,408.48	7,251.25	239.83	238.79	-101.12	-1,043.68	-7,060.11	900.57	430.37	470.20	1.915		
15,300.00	7,077.84	15,508.48	7,251.46	242.66	241.61	-101.12	-1,044.19	-7,160.11	900.55	424.79	475.77	1.893		
15,400.00	7,078.07	15,608.48	7,251.68	245.49	244.44	-101.12	-1,044.70	-7,260.10	900.54	419.20	481.33	1.871		
15,500.00	7,078.30	15,708.48	7,251.89	248.31	247.27	-101.11	-1,045.21	-7,360.10	900.52	413.62	486.90	1.849		
15,600.00	7,078.53	15,808.48	7,252.10	251.14	250.09	-101.11	-1,045.71	-7,460.10	900.50	408.03	492.47	1.829		
15,700.00	7,078.76	15,908.48	7,252.32	253.97	252.92	-101.11	-1,046.22	-7,560.10	900.48	402.44	498.04	1.808		
15,800.00	7,078.99	16,008.48	7,252.53	256.80	255.75	-101.11	-1,046.73	-7,660.10	900.46	396.85	503.61	1.788		
15,900.00	7,079.22	16,108.48	7,252.74	259.64	258.58	-101.11	-1,047.24	-7,760.10	900.44	391.26	509.18	1.768		
16,000.00	7,079.45	16,208.48	7,252.96	262.47	261.41	-101.11	-1,047.75	-7,860.10	900.42	385.67	514.76	1.749		
16,100.00	7,079.69	16,308.48	7,253.17	265.30	264.24	-101.11	-1,048.26	-7,960.09	900.40	380.07	520.33	1.730		
16,200.00	7,079.92	16,408.48	7,253.38	268.13	267.07	-101.11	-1,048.76	-8,060.09	900.38	374.48	525.91	1.712		
16,300.00	7,080.15	16,508.48	7,253.59	270.97	269.90	-101.11	-1,049.27	-8,160.09	900.37	368.88	531.48	1.694		
16,400.00	7,080.38	16,608.48	7,253.81	273.80	272.74	-101.11	-1,049.78	-8,260.09	900.35	363.28	537.06	1.676		
16,500.00	7,080.61	16,708.48	7,254.02	276.64	275.57	-101.11	-1,050.29	-8,360.09	900.33	357.69	542.64	1.659		
16,600.00	7,080.84	16,808.48	7,254.23	279.47	278.40	-101.10	-1,050.80	-8,460.09	900.31	352.09	548.22	1.642		
16,700.00	7,081.07	16,908.48	7,254.45	282.31	281.24	-101.10	-1,051.30	-8,560.08	900.29	346.49	553.80	1.626		
16,800.00	7,081.30	17,008.48	7,254.66	285.14	284.07	-101.10	-1,051.81	-8,660.08	900.27	340.89	559.39	1.609		
16,900.00	7,081.53	17,108.48	7,254.87	287.98	286.91	-101.10	-1,052.32	-8,760.08	900.25	335.28	564.97	1.593		
17,000.00	7,081.76	17,208.48	7,255.09	290.82	289.74	-101.10	-1,052.83	-8,860.08	900.23	329.68	570.55	1.578		
17,100.00	7,081.99	17,308.48	7,255.30	293.65	292.58	-101.10	-1,053.34	-8,960.08	900.22	324.08	576.14	1.563		
17,200.00	7,082.22	17,408.48	7,255.51	296.49	295.41	-101.10	-1,053.85	-9,060.08	900.20	318.47	581.72	1.547		
17,300.00	7,082.45	17,508.48	7,255.72	299.33	298.25	-101.10	-1,054.35	-9,160.08	900.18	312.87	587.31	1.533		
17,400.00	7,082.68	17,608.48	7,255.94	302.17	301.09	-101.10	-1,054.86	-9,260.07	900.16	307.26	592.90	1.518		
17,500.00	7,082.91	17,708.48	7,256.15	305.01	303.92	-101.10	-1,055.37	-9,360.07	900.14	301.65	598.49	1.504		
17,600.00	7,083.14	17,808.48	7,256.36	307.85	306.76	-101.10	-1,055.88	-9,460.07	900.12	296.05	604.07	1.490 Level 3		
17,700.00	7,083.37	17,908.48	7,256.58	310.69	309.60	-101.09	-1,056.39	-9,560.07	900.10	290.44	609.66	1.476 Level 3		
17,800.00	7,083.60	18,008.48	7,256.79	313.53	312.44	-101.09	-1,056.90	-9,660.07	900.08	284.83	615.25	1.463 Level 3		
17,900.00	7,083.84	18,108.48	7,257.00	316.37	315.28	-101.09	-1,057.40	-9,760.07	900.06	279.22	620.85	1.450 Level 3		
18,000.00	7,084.07	18,208.48	7,257.22	319.21	318.12	-101.09	-1,057.91	-9,860.07	900.05	273.61	626.44	1.437 Level 3		
18,100.00	7,084.30	18,308.48	7,257.43	322.05	320.96	-101.09	-1,058.42	-9,960.06	900.03	268.00	632.03	1.424 Level 3		
18,200.00	7,084.53	18,408.48	7,257.64	324.89	323.80	-101.09	-1,058.93	-10,060.06	900.01	262.39	637.62	1.412 Level 3		
18,300.00	7,084.76	18,508.48	7,257.85	327.73	326.64	-101.09	-1,059.44	-10,160.06	899.99	256.77	643.22	1.399 Level 3		
18,400.00	7,084.99	18,608.48	7,258.07	330.57	329.48	-101.09	-1,059.95	-10,260.06	899.97	251.16	648.81	1.387 Level 3		
18,500.00	7,085.22	18,708.48	7,258.28	333.41	332.32	-101.09	-1,060.45	-10,360.06	899.95	245.55	654.40	1.375 Level 3		
18,600.00	7,085.45	18,808.48	7,258.49	336.26	335.16	-101.09	-1,060.96	-10,460.06	899.93	239.93	660.00	1.364 Level 3		
18,700.00	7,085.68	18,908.48	7,258.71	339.10	338.00	-101.09	-1,061.47	-10,560.05	899.91	234.32	665.60	1.352 Level 3		
18,800.00	7,085.91	19,008.48	7,258.92	341.94	340.84	-101.08	-1,061.98	-10,660.05	899.90	228.70	671.19	1.341 Level 3		
18,839.14	7,086.00	19,047.62	7,259.00	343.06	341.96	-101.08	-1,062.18	-10,699.19	899.89	226.51	673.38	1.336 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.57	-74.68	-0.56	74.68					
100.00	100.00	100.00	100.00	3.28	3.28	-179.57	-74.68	-0.56	74.68	68.11	6.57	11.368		
200.00	200.00	200.00	200.00	3.34	3.34	-179.57	-74.68	-0.56	74.68	68.01	6.67	11.190 CC, ES		
300.00	300.00	298.23	298.21	3.44	3.44	179.49	-75.83	0.68	75.85	68.96	6.89	11.011		
400.00	399.98	396.30	396.15	3.60	3.59	82.50	-79.26	4.36	79.23	72.03	7.20	10.999		
500.00	499.84	494.16	493.65	3.80	3.78	81.82	-84.97	10.48	84.60	76.99	7.61	11.116		
600.00	599.45	591.75	590.53	4.04	4.02	81.84	-92.92	19.00	91.91	83.81	8.10	11.348		
700.00	698.70	689.00	686.63	4.31	4.29	82.38	-103.07	29.89	101.14	92.49	8.66	11.684		
800.00	797.47	785.84	781.77	4.62	4.60	83.29	-115.39	43.10	112.31	103.04	9.28	12.109		
900.00	895.62	882.22	875.79	4.97	4.95	84.40	-129.82	58.57	125.44	115.49	9.95	12.609		
980.89	974.49	959.80	950.92	5.27	5.25	85.37	-142.99	72.70	137.50	126.97	10.54	13.051		
1,000.00	993.07	978.08	968.55	5.34	5.33	85.64	-146.30	76.25	140.55	129.87	10.68	13.161		
1,100.00	1,090.26	1,076.19	1,062.94	5.75	5.75	86.68	-164.56	95.83	157.02	145.56	11.46	13.700		
1,200.00	1,187.45	1,174.79	1,157.78	6.17	6.20	87.52	-182.94	115.54	173.55	161.27	12.29	14.123		
1,300.00	1,284.64	1,273.38	1,252.62	6.62	6.66	88.21	-201.31	135.24	190.12	176.97	13.15	14.456		
1,400.00	1,381.83	1,371.98	1,347.46	7.07	7.14	88.79	-219.69	154.95	206.71	192.67	14.04	14.718		
1,500.00	1,479.01	1,470.57	1,442.30	7.54	7.64	89.28	-238.07	174.65	223.32	208.36	14.96	14.926		
1,600.00	1,576.20	1,569.17	1,537.14	8.02	8.14	89.71	-256.44	194.36	239.94	224.04	15.90	15.092		
1,700.00	1,673.39	1,667.76	1,631.99	8.50	8.65	90.08	-274.82	214.07	256.57	239.72	16.85	15.226		
1,800.00	1,770.58	1,766.36	1,726.83	8.99	9.16	90.40	-293.19	233.77	273.21	255.40	17.82	15.334		
1,900.00	1,867.77	1,864.95	1,821.67	9.48	9.69	90.69	-311.57	253.48	289.86	271.07	18.80	15.421		
2,000.00	1,964.96	1,963.54	1,916.51	9.98	10.21	90.95	-329.95	273.18	306.52	286.73	19.79	15.492		
2,100.00	2,062.15	2,062.14	2,011.35	10.49	10.74	91.18	-348.32	292.89	323.18	302.40	20.78	15.551		
2,200.00	2,159.34	2,160.73	2,106.19	10.99	11.28	91.38	-366.70	312.60	339.84	318.06	21.79	15.599		
2,300.00	2,256.53	2,259.33	2,201.03	11.50	11.81	91.57	-385.07	332.30	356.51	333.72	22.80	15.639		
2,400.00	2,353.71	2,357.92	2,295.87	12.01	12.35	91.74	-403.45	352.01	373.19	349.37	23.81	15.672		
2,500.00	2,450.90	2,456.52	2,390.72	12.53	12.89	91.90	-421.83	371.72	389.86	365.03	24.83	15.699		
2,600.00	2,548.09	2,555.11	2,485.56	13.04	13.44	92.04	-440.20	391.42	406.54	380.68	25.86	15.721		
2,700.00	2,645.28	2,653.71	2,580.40	13.56	13.98	92.18	-458.58	411.13	423.22	396.33	26.89	15.740		
2,800.00	2,742.47	2,752.30	2,675.24	14.08	14.53	92.30	-476.96	430.83	439.90	411.98	27.92	15.755		
2,900.00	2,839.66	2,850.89	2,770.08	14.60	15.08	92.41	-495.33	450.54	456.59	427.63	28.96	15.768		
3,000.00	2,936.85	2,949.49	2,864.92	15.12	15.63	92.52	-513.71	470.25	473.27	443.28	29.99	15.779		
3,100.00	3,034.04	3,048.08	2,959.76	15.65	16.18	92.62	-532.08	489.95	489.96	458.93	31.03	15.788		
3,200.00	3,131.22	3,146.68	3,054.60	16.17	16.73	92.71	-550.46	509.66	506.65	474.57	32.08	15.795		
3,300.00	3,228.41	3,245.27	3,149.44	16.69	17.28	92.80	-568.84	529.36	523.34	490.22	33.12	15.800		
3,400.00	3,325.60	3,343.87	3,244.29	17.22	17.84	92.88	-587.21	549.07	540.03	505.86	34.17	15.805		
3,500.00	3,422.79	3,442.46	3,339.13	17.75	18.39	92.95	-605.59	568.78	556.72	521.51	35.22	15.809		
3,600.00	3,519.98	3,541.05	3,433.97	18.27	18.95	93.02	-623.97	588.48	573.42	537.15	36.27	15.811		
3,700.00	3,617.17	3,639.65	3,528.81	18.80	19.50	93.09	-642.34	608.19	590.11	552.79	37.32	15.813		
3,800.00	3,714.36	3,738.24	3,623.65	19.33	20.06	93.15	-660.72	627.89	606.81	568.44	38.37	15.815		
3,900.00	3,811.55	3,836.84	3,718.49	19.86	20.62	93.21	-679.09	647.60	623.50	584.08	39.42	15.816		
4,000.00	3,908.74	3,935.43	3,813.33	20.39	21.17	93.27	-697.47	667.31	640.20	599.72	40.48	15.816		
4,100.00	4,005.92	4,034.03	3,908.17	20.92	21.73	93.33	-715.85	687.01	656.89	615.36	41.53	15.816		
4,200.00	4,103.11	4,132.62	4,003.02	21.45	22.29	93.38	-734.22	706.72	673.59	631.00	42.59	15.816		
4,300.00	4,200.30	4,231.22	4,097.86	21.98	22.85	93.43	-752.60	726.42	690.29	646.64	43.65	15.816		
4,400.00	4,297.49	4,329.81	4,192.70	22.51	23.41	93.47	-770.98	746.13	706.99	662.28	44.70	15.815		
4,500.00	4,394.68	4,428.40	4,287.54	23.04	23.97	93.52	-789.35	765.84	723.68	677.92	45.76	15.814		
4,600.00	4,491.87	4,527.00	4,382.38	23.57	24.53	93.56	-807.73	785.54	740.38	693.56	46.82	15.813		
4,700.00	4,589.06	4,625.59	4,477.22	24.10	25.09	93.60	-826.10	805.25	757.08	709.20	47.88	15.811		
4,800.00	4,686.25	4,724.19	4,572.06	24.64	25.65	93.64	-844.48	824.95	773.78	724.84	48.94	15.810		
4,900.00	4,783.43	4,822.78	4,666.90	25.17	26.21	93.68	-862.86	844.66	790.48	740.48	50.00	15.809		
5,000.00	4,880.62	4,921.38	4,761.74	25.70	26.77	93.71	-881.23	864.37	807.18	756.12	51.07	15.807		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,019.97	4,856.59	26.23	27.33	93.75	-899.61	884.07	823.88	771.76	52.13	15.805		
5,200.00	5,075.00	5,118.57	4,951.43	26.77	27.89	93.78	-917.98	903.78	840.58	787.39	53.19	15.803		
5,300.00	5,172.19	5,217.16	5,046.27	27.30	28.45	93.81	-936.36	923.49	857.28	803.03	54.25	15.802		
5,400.00	5,269.38	5,315.75	5,141.11	27.83	29.01	93.84	-954.74	943.19	873.99	818.67	55.32	15.800		
5,457.75	5,325.51	5,372.69	5,195.88	28.14	29.34	93.86	-965.35	954.57	883.63	827.70	55.93	15.799		
5,500.00	5,366.64	5,414.35	5,235.95	28.37	29.57	93.99	-973.11	962.90	890.67	834.29	56.38	15.799		
5,600.00	5,464.53	5,512.94	5,330.79	28.87	30.13	94.15	-991.49	982.60	907.15	849.75	57.40	15.804		
5,700.00	5,563.07	5,611.41	5,425.51	29.35	30.70	94.09	-1,009.84	1,002.28	923.41	865.02	58.38	15.816		
5,800.00	5,662.15	5,709.65	5,520.01	29.80	31.26	93.83	-1,028.15	1,021.92	939.49	880.17	59.33	15.836		
5,900.00	5,761.64	5,807.53	5,614.17	30.23	31.81	93.38	-1,046.40	1,041.48	955.48	895.25	60.22	15.865		
6,000.00	5,861.42	5,904.94	5,707.87	30.64	32.37	92.75	-1,064.55	1,060.95	971.48	910.40	61.08	15.905		
6,100.00	5,961.36	6,001.75	5,800.99	31.02	32.92	91.97	-1,082.59	1,080.30	987.63	925.74	61.90	15.956		
6,138.64	6,000.00	6,038.97	5,836.80	31.16	33.13	-172.87	-1,089.53	1,087.74	993.95	931.75	62.20	15.980		
6,200.00	6,061.36	6,098.00	5,893.58	31.38	33.47	-173.62	-1,100.53	1,099.54	1,004.12	941.44	62.67	16.022		
6,300.00	6,161.36	6,194.19	5,986.11	31.74	34.02	-174.82	-1,118.46	1,118.76	1,021.06	957.61	63.44	16.094		
6,400.00	6,261.36	6,309.61	6,078.64	32.10	34.68	-175.99	-1,136.39	1,137.99	1,038.44	974.12	64.32	16.146		
6,500.00	6,361.36	6,386.58	6,171.17	32.46	35.12	-177.12	-1,154.32	1,157.22	1,056.24	991.26	64.98	16.254		
6,562.02	6,423.38	6,446.24	6,228.56	32.68	35.46	-177.80	-1,165.44	1,169.14	1,067.48	1,002.02	65.46	16.307		
6,600.00	6,461.34	6,482.53	6,263.47	32.82	35.67	-87.33	-1,172.20	1,176.39	1,074.40	1,008.66	65.74	16.342		
6,650.00	6,511.08	6,529.39	6,308.55	32.99	35.93	-87.26	-1,180.94	1,185.76	1,083.49	1,017.40	66.09	16.394		
6,700.00	6,560.29	6,575.34	6,352.97	33.17	36.18	-87.28	-1,189.54	1,193.71	1,092.65	1,026.23	66.41	16.452		
6,750.00	6,608.64	6,622.37	6,398.90	33.36	36.41	-87.32	-1,198.41	1,198.47	1,101.88	1,035.13	66.75	16.508		
6,800.00	6,655.86	6,670.72	6,446.35	33.56	36.62	-87.38	-1,207.55	1,199.75	1,111.13	1,044.04	67.09	16.561		
6,850.00	6,701.64	6,720.55	6,495.21	33.78	36.80	-87.46	-1,216.94	1,197.22	1,120.35	1,052.89	67.46	16.609		
6,900.00	6,745.71	6,772.01	6,545.30	34.01	36.97	-87.56	-1,226.55	1,190.55	1,129.47	1,061.62	67.85	16.647		
6,950.00	6,787.79	6,825.27	6,596.42	34.27	37.12	-87.69	-1,236.32	1,179.32	1,138.44	1,070.16	68.28	16.673		
7,000.00	6,827.62	6,880.49	6,648.26	34.56	37.27	-87.85	-1,246.21	1,163.13	1,147.18	1,078.43	68.76	16.685		
7,050.00	6,864.96	6,937.84	6,700.44	34.87	37.43	-88.03	-1,256.13	1,141.55	1,155.62	1,086.33	69.28	16.679		
7,100.00	6,899.58	6,997.48	6,752.46	35.21	37.60	-88.24	-1,265.98	1,114.13	1,163.66	1,093.79	69.87	16.655		
7,150.00	6,931.26	7,059.56	6,803.68	35.60	37.80	-88.47	-1,275.64	1,080.46	1,171.22	1,100.70	70.52	16.607		
7,200.00	6,959.81	7,124.16	6,853.31	36.02	38.03	-88.72	-1,284.96	1,040.21	1,178.21	1,106.95	71.26	16.534		
7,250.00	6,985.06	7,191.34	6,900.40	36.47	38.30	-88.99	-1,293.75	993.15	1,184.52	1,112.43	72.10	16.430		
7,300.00	7,006.84	7,261.08	6,943.85	36.97	38.63	-89.25	-1,301.80	939.25	1,190.06	1,117.01	73.06	16.290		
7,350.00	7,025.02	7,333.25	6,982.46	37.51	39.04	-89.50	-1,308.87	878.72	1,194.73	1,120.57	74.16	16.109		
7,400.00	7,039.49	7,407.63	7,014.95	38.09	39.53	-89.74	-1,314.73	812.12	1,198.43	1,123.00	75.44	15.886		
7,450.00	7,050.17	7,483.87	7,040.11	38.70	40.13	-89.94	-1,319.15	740.34	1,201.09	1,124.20	76.89	15.620		
7,500.00	7,056.98	7,561.51	7,056.90	39.33	40.83	-90.11	-1,321.94	664.64	1,202.64	1,124.13	78.51	15.318		
7,550.00	7,059.89	7,639.98	7,064.55	39.99	41.62	-90.22	-1,322.95	586.60	1,203.03	1,122.76	80.27	14.988		
7,560.55	7,060.00	7,656.59	7,064.96	40.13	41.80	-90.24	-1,322.93	570.00	1,202.96	1,122.31	80.65	14.916		
7,600.00	7,060.09	7,702.03	7,065.12	40.67	42.31	-90.24	-1,322.72	528.62	1,202.55	1,120.76	81.79	14.703		
7,700.00	7,060.32	7,802.04	7,065.47	42.14	43.56	-90.24	-1,322.20	428.62	1,201.50	1,116.82	84.68	14.188		
7,800.00	7,060.55	7,902.04	7,065.81	43.75	44.97	-90.25	-1,321.67	328.63	1,200.46	1,112.60	87.85	13.664		
7,900.00	7,060.78	8,002.05	7,066.15	45.48	46.53	-90.26	-1,321.15	228.64	1,199.41	1,108.14	91.27	13.141		
8,000.00	7,061.01	8,102.05	7,066.50	47.33	48.23	-90.26	-1,320.62	128.65	1,198.36	1,103.45	94.91	12.626		
8,100.00	7,061.24	8,202.06	7,066.84	49.27	50.04	-90.27	-1,320.10	28.65	1,197.31	1,098.56	98.75	12.125		
8,200.00	7,061.47	8,302.06	7,067.18	51.29	51.96	-90.27	-1,319.57	-71.34	1,196.26	1,093.50	102.76	11.641		
8,300.00	7,061.70	8,402.07	7,067.53	53.40	53.96	-90.28	-1,319.05	-171.33	1,195.22	1,088.29	106.93	11.178		
8,400.00	7,061.93	8,502.08	7,067.87	55.57	56.05	-90.28	-1,318.52	-271.32	1,194.17	1,082.93	111.23	10.736		
8,500.00	7,062.16	8,602.08	7,068.22	57.80	58.21	-90.29	-1,318.00	-371.32	1,193.12	1,077.46	115.66	10.316		
8,600.00	7,062.39	8,702.09	7,068.56	60.08	60.43	-90.29	-1,317.47	-471.31	1,192.07	1,071.87	120.20	9.917		
8,700.00	7,062.63	8,802.09	7,068.90	62.42	62.70	-90.30	-1,316.95	-571.30	1,191.02	1,066.19	124.83	9.541		
8,800.00	7,062.86	8,902.10	7,069.25	64.79	65.02	-90.31	-1,316.43	-671.29	1,189.98	1,060.42	129.56	9.185		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,002.10	7,069.59	67.20	67.39	-90.31	-1,315.90	-771.29	1,188.93	1,054.57	134.36	8.849		
9,000.00	7,063.32	9,102.11	7,069.93	69.65	69.79	-90.32	-1,315.38	-871.28	1,187.88	1,048.66	139.22	8.532		
9,100.00	7,063.55	9,202.11	7,070.28	72.12	72.23	-90.32	-1,314.85	-971.27	1,186.83	1,042.68	144.16	8.233		
9,200.00	7,063.78	9,302.12	7,070.62	74.63	74.70	-90.33	-1,314.33	-1,071.26	1,185.78	1,036.64	149.14	7.951		
9,300.00	7,064.01	9,402.13	7,070.96	77.16	77.20	-90.34	-1,313.80	-1,171.26	1,184.74	1,030.56	154.18	7.684		
9,400.00	7,064.24	9,502.13	7,071.31	79.71	79.72	-90.34	-1,313.28	-1,271.25	1,183.69	1,024.42	159.27	7.432		
9,500.00	7,064.47	9,602.14	7,071.65	82.28	82.27	-90.35	-1,312.75	-1,371.24	1,182.64	1,018.25	164.39	7.194		
9,600.00	7,064.70	9,702.14	7,072.00	84.87	84.84	-90.35	-1,312.23	-1,471.23	1,181.59	1,012.04	169.56	6.969		
9,700.00	7,064.93	9,802.15	7,072.34	87.47	87.42	-90.36	-1,311.71	-1,571.23	1,180.55	1,005.79	174.75	6.755		
9,800.00	7,065.16	9,902.15	7,072.68	90.09	90.02	-90.36	-1,311.18	-1,671.22	1,179.50	999.51	179.98	6.553		
9,900.00	7,065.39	10,002.16	7,073.03	92.73	92.64	-90.37	-1,310.66	-1,771.21	1,178.45	993.21	185.24	6.362		
10,000.00	7,065.62	10,102.16	7,073.37	95.38	95.28	-90.38	-1,310.13	-1,871.20	1,177.40	986.87	190.53	6.180		
10,100.00	7,065.85	10,202.17	7,073.71	98.04	97.92	-90.38	-1,309.61	-1,971.20	1,176.35	980.52	195.84	6.007		
10,200.00	7,066.08	10,302.18	7,074.06	100.71	100.58	-90.39	-1,309.08	-2,071.19	1,175.31	974.14	201.17	5.842		
10,300.00	7,066.31	10,402.18	7,074.40	103.39	103.25	-90.39	-1,308.56	-2,171.18	1,174.26	967.74	206.52	5.686		
10,400.00	7,066.54	10,502.19	7,074.75	106.08	105.93	-90.40	-1,308.03	-2,271.17	1,173.21	961.32	211.90	5.537		
10,500.00	7,066.77	10,602.19	7,075.09	108.78	108.61	-90.41	-1,307.51	-2,371.17	1,172.16	954.88	217.29	5.395		
10,600.00	7,067.01	10,702.20	7,075.43	111.48	111.31	-90.41	-1,306.99	-2,471.16	1,171.12	948.42	222.69	5.259		
10,700.00	7,067.24	10,802.20	7,075.78	114.20	114.02	-90.42	-1,306.46	-2,571.15	1,170.07	941.95	228.11	5.129		
10,800.00	7,067.47	10,902.21	7,076.12	116.92	116.73	-90.42	-1,305.94	-2,671.14	1,169.02	935.47	233.55	5.005		
10,900.00	7,067.70	11,002.21	7,076.46	119.65	119.45	-90.43	-1,305.41	-2,771.13	1,167.97	928.97	239.00	4.887		
11,000.00	7,067.93	11,102.22	7,076.81	122.38	122.17	-90.43	-1,304.89	-2,871.13	1,166.93	922.46	244.46	4.773		
11,100.00	7,068.16	11,202.23	7,077.15	125.12	124.91	-90.44	-1,304.36	-2,971.12	1,165.88	915.94	249.93	4.665		
11,200.00	7,068.39	11,302.23	7,077.49	127.86	127.65	-90.45	-1,303.84	-3,071.11	1,164.83	909.41	255.42	4.560		
11,300.00	7,068.62	11,402.24	7,077.84	130.61	130.39	-90.45	-1,303.31	-3,171.10	1,163.78	902.87	260.91	4.460		
11,400.00	7,068.85	11,502.24	7,078.18	133.37	133.14	-90.46	-1,302.79	-3,271.10	1,162.74	896.32	266.42	4.364		
11,500.00	7,069.08	11,602.25	7,078.53	136.12	135.89	-90.46	-1,302.27	-3,371.09	1,161.69	889.76	271.93	4.272		
11,600.00	7,069.31	11,702.25	7,078.87	138.89	138.65	-90.47	-1,301.74	-3,471.08	1,160.64	883.19	277.45	4.183		
11,700.00	7,069.54	11,802.26	7,079.21	141.65	141.41	-90.48	-1,301.22	-3,571.07	1,159.59	876.62	282.98	4.098		
11,800.00	7,069.77	11,902.26	7,079.56	144.42	144.18	-90.48	-1,300.69	-3,671.07	1,158.55	870.03	288.51	4.016		
11,900.00	7,070.00	12,002.27	7,079.90	147.19	146.95	-90.49	-1,300.17	-3,771.06	1,157.50	863.44	294.06	3.936		
12,000.00	7,070.23	12,102.28	7,080.24	149.97	149.72	-90.49	-1,299.64	-3,871.05	1,156.45	856.84	299.61	3.860		
12,100.00	7,070.46	12,202.28	7,080.59	152.75	152.50	-90.50	-1,299.12	-3,971.04	1,155.40	850.24	305.16	3.786		
12,200.00	7,070.69	12,302.29	7,080.93	155.53	155.27	-90.51	-1,298.59	-4,071.04	1,154.36	843.63	310.72	3.715		
12,300.00	7,070.92	12,402.29	7,081.28	158.32	158.06	-90.51	-1,298.07	-4,171.03	1,153.31	837.02	316.29	3.646		
12,400.00	7,071.16	12,502.30	7,081.62	161.10	160.84	-90.52	-1,297.55	-4,271.02	1,152.26	830.40	321.86	3.580		
12,500.00	7,071.39	12,602.30	7,081.96	163.89	163.63	-90.53	-1,297.02	-4,371.01	1,151.21	823.77	327.44	3.516		
12,600.00	7,071.62	12,702.31	7,082.31	166.69	166.42	-90.53	-1,296.50	-4,471.01	1,150.17	817.14	333.02	3.454		
12,700.00	7,071.85	12,802.31	7,082.65	169.48	169.21	-90.54	-1,295.97	-4,571.00	1,149.12	810.51	338.61	3.394		
12,800.00	7,072.08	12,902.32	7,082.99	172.28	172.01	-90.54	-1,295.45	-4,670.99	1,148.07	803.87	344.20	3.335		
12,900.00	7,072.31	13,002.33	7,083.34	175.08	174.81	-90.55	-1,294.92	-4,770.98	1,147.02	797.23	349.80	3.279		
13,000.00	7,072.54	13,102.33	7,083.68	177.88	177.61	-90.56	-1,294.40	-4,870.98	1,145.98	790.58	355.40	3.224		
13,100.00	7,072.77	13,202.34	7,084.02	180.68	180.41	-90.56	-1,293.87	-4,970.97	1,144.93	783.93	361.00	3.172		
13,200.00	7,073.00	13,297.66	7,084.37	183.48	183.08	-90.57	-1,293.35	-5,070.96	1,143.88	777.40	366.48	3.121		
13,300.00	7,073.23	13,402.35	7,084.71	186.29	186.01	-90.57	-1,292.82	-5,170.95	1,142.83	770.62	372.22	3.070		
13,400.00	7,073.46	13,502.35	7,085.06	189.09	188.82	-90.58	-1,292.30	-5,270.95	1,141.79	763.96	377.83	3.022		
13,500.00	7,073.69	13,602.36	7,085.40	191.90	191.63	-90.59	-1,291.78	-5,370.94	1,140.74	757.29	383.45	2.975		
13,600.00	7,073.92	13,702.36	7,085.74	194.71	194.44	-90.59	-1,291.25	-5,470.93	1,139.69	750.62	389.07	2.929		
13,700.00	7,074.15	13,802.37	7,086.09	197.52	197.25	-90.60	-1,290.73	-5,570.92	1,138.65	743.95	394.69	2.885		
13,800.00	7,074.38	13,902.38	7,086.43	200.34	200.06	-90.61	-1,290.20	-5,670.92	1,137.60	737.28	400.32	2.842		
13,900.00	7,074.61	14,002.38	7,086.77	203.15	202.88	-90.61	-1,289.68	-5,770.91	1,136.55	730.61	405.94	2.800		
14,000.00	7,074.84	14,102.39	7,087.12	205.97	205.69	-90.62	-1,289.15	-5,870.90	1,135.50	723.93	411.57	2.759		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	14,202.39	7,087.46	208.78	208.51	-90.62	-1,288.63	-5,970.89	1,134.46	717.25	417.21	2.719		
14,200.00	7,075.30	14,302.40	7,087.80	211.60	211.33	-90.63	-1,288.10	-6,070.89	1,133.41	710.57	422.84	2.680		
14,300.00	7,075.54	14,402.40	7,088.15	214.42	214.15	-90.64	-1,287.58	-6,170.88	1,132.36	703.88	428.48	2.643		
14,400.00	7,075.77	14,502.41	7,088.49	217.24	216.97	-90.64	-1,287.06	-6,270.87	1,131.32	697.20	434.12	2.606		
14,500.00	7,076.00	14,602.41	7,088.84	220.06	219.79	-90.65	-1,286.53	-6,370.86	1,130.27	690.51	439.76	2.570		
14,600.00	7,076.23	14,702.42	7,089.18	222.88	222.61	-90.66	-1,286.01	-6,470.86	1,129.22	683.82	445.40	2.535		
14,700.00	7,076.46	14,802.43	7,089.52	225.70	225.44	-90.66	-1,285.48	-6,570.85	1,128.17	677.13	451.05	2.501		
14,800.00	7,076.69	14,902.43	7,089.87	228.53	228.26	-90.67	-1,284.96	-6,670.84	1,127.13	670.43	456.70	2.468		
14,900.00	7,076.92	15,002.44	7,090.21	231.35	231.08	-90.67	-1,284.43	-6,770.83	1,126.08	663.74	462.34	2.436		
15,000.00	7,077.15	15,102.44	7,090.55	234.18	233.91	-90.68	-1,283.91	-6,870.83	1,125.03	657.04	467.99	2.404		
15,100.00	7,077.38	15,202.45	7,090.90	237.00	236.74	-90.69	-1,283.38	-6,970.82	1,123.99	650.34	473.65	2.373		
15,171.50	7,077.54	15,257.29	7,091.10	239.02	238.29	-90.69	-1,283.23	-7,030.55	1,123.46	646.27	477.18	2.354		
15,200.00	7,077.61	15,277.76	7,091.17	239.83	238.86	-90.69	-1,283.41	-7,051.02	1,123.56	645.05	478.51	2.348		
15,300.00	7,077.84	15,358.59	7,091.46	242.66	241.14	-90.70	-1,285.37	-7,131.83	1,125.40	642.01	483.39	2.328		
15,400.00	7,078.07	15,458.56	7,091.81	245.49	243.95	-90.70	-1,288.31	-7,231.76	1,127.81	638.78	489.03	2.306		
15,500.00	7,078.30	15,558.53	7,092.16	248.31	246.77	-90.71	-1,291.25	-7,331.68	1,130.23	635.56	494.68	2.285		
15,600.00	7,078.53	15,658.50	7,092.51	251.14	249.58	-90.71	-1,294.19	-7,431.61	1,132.65	632.33	500.32	2.264		
15,700.00	7,078.76	15,758.47	7,092.86	253.97	252.39	-90.72	-1,297.13	-7,531.54	1,135.07	629.10	505.97	2.243		
15,800.00	7,078.99	15,858.44	7,093.22	256.80	255.21	-90.72	-1,300.07	-7,631.46	1,137.49	625.87	511.62	2.223		
15,900.00	7,079.22	15,958.41	7,093.57	259.64	258.03	-90.72	-1,303.01	-7,731.39	1,139.90	622.64	517.26	2.204		
16,000.00	7,079.45	16,058.38	7,093.92	262.47	260.84	-90.73	-1,305.95	-7,831.32	1,142.32	619.41	522.92	2.185		
16,100.00	7,079.69	16,158.36	7,094.27	265.30	263.66	-90.73	-1,308.89	-7,931.24	1,144.74	616.17	528.57	2.166		
16,200.00	7,079.92	16,258.33	7,094.62	268.13	266.48	-90.74	-1,311.83	-8,031.17	1,147.16	612.94	534.22	2.147		
16,300.00	7,080.15	16,358.30	7,094.97	270.97	269.30	-90.74	-1,314.77	-8,131.10	1,149.58	609.70	539.87	2.129		
16,400.00	7,080.38	16,458.27	7,095.33	273.80	272.12	-90.75	-1,317.71	-8,231.02	1,152.00	606.47	545.53	2.112		
16,500.00	7,080.61	16,558.24	7,095.68	276.64	274.94	-90.75	-1,320.65	-8,330.95	1,154.41	603.23	551.18	2.094		
16,600.00	7,080.84	16,658.21	7,096.03	279.47	277.76	-90.76	-1,323.59	-8,430.88	1,156.83	599.99	556.84	2.077		
16,700.00	7,081.07	16,758.18	7,096.38	282.31	280.58	-90.76	-1,326.53	-8,530.80	1,159.25	596.75	562.50	2.061		
16,800.00	7,081.30	16,858.15	7,096.73	285.14	283.40	-90.76	-1,329.47	-8,630.73	1,161.67	593.51	568.16	2.045		
16,900.00	7,081.53	16,958.12	7,097.08	287.98	286.23	-90.77	-1,332.41	-8,730.66	1,164.09	590.27	573.82	2.029		
17,000.00	7,081.76	17,058.09	7,097.44	290.82	289.05	-90.77	-1,335.34	-8,830.59	1,166.50	587.03	579.48	2.013		
17,100.00	7,081.99	17,158.06	7,097.79	293.65	291.87	-90.78	-1,338.28	-8,930.51	1,168.92	583.78	585.14	1.998		
17,200.00	7,082.22	17,258.03	7,098.14	296.49	294.70	-90.78	-1,341.22	-9,030.44	1,171.34	580.54	590.80	1.983		
17,300.00	7,082.45	17,358.00	7,098.49	299.33	297.52	-90.79	-1,344.16	-9,130.37	1,173.76	577.30	596.46	1.968		
17,400.00	7,082.68	17,457.97	7,098.84	302.17	300.35	-90.79	-1,347.10	-9,230.29	1,176.18	574.05	602.13	1.953		
17,500.00	7,082.91	17,557.95	7,099.19	305.01	303.17	-90.79	-1,350.04	-9,330.22	1,178.60	570.80	607.79	1.939		
17,600.00	7,083.14	17,657.92	7,099.55	307.85	306.00	-90.80	-1,352.98	-9,430.15	1,181.01	567.56	613.46	1.925		
17,700.00	7,083.37	17,757.89	7,099.90	310.69	308.82	-90.80	-1,355.92	-9,530.07	1,183.43	564.31	619.12	1.911		
17,800.00	7,083.60	17,857.86	7,100.25	313.53	311.65	-90.81	-1,358.86	-9,630.00	1,185.85	561.06	624.79	1.898		
17,900.00	7,083.84	17,957.83	7,100.60	316.37	314.48	-90.81	-1,361.80	-9,729.93	1,188.27	557.81	630.46	1.885		
18,000.00	7,084.07	18,057.80	7,100.95	319.21	317.30	-90.82	-1,364.74	-9,829.85	1,190.69	554.56	636.13	1.872		
18,100.00	7,084.30	18,157.77	7,101.30	322.05	320.13	-90.82	-1,367.68	-9,929.78	1,193.10	551.31	641.79	1.859		
18,200.00	7,084.53	18,257.74	7,101.65	324.89	322.96	-90.82	-1,370.62	-10,029.71	1,195.52	548.06	647.46	1.846		
18,300.00	7,084.76	18,357.71	7,102.01	327.73	325.79	-90.83	-1,373.56	-10,129.63	1,197.94	544.81	653.13	1.834		
18,400.00	7,084.99	18,457.68	7,102.36	330.57	328.62	-90.83	-1,376.50	-10,229.56	1,200.36	541.55	658.80	1.822		
18,500.00	7,085.22	18,557.65	7,102.71	333.41	331.45	-90.84	-1,379.44	-10,329.49	1,202.78	538.30	664.48	1.810		
18,600.00	7,085.45	18,657.62	7,103.06	336.26	334.28	-90.84	-1,382.38	-10,429.42	1,205.20	535.05	670.15	1.798		
18,700.00	7,085.68	18,757.59	7,103.41	339.10	337.11	-90.84	-1,385.32	-10,529.34	1,207.61	531.79	675.82	1.787		
18,800.00	7,085.91	18,857.56	7,103.76	341.94	339.94	-90.85	-1,388.26	-10,629.27	1,210.03	528.54	681.49	1.776		
18,839.14	7,086.00	18,896.69	7,103.90	343.06	341.05	-90.85	-1,389.41	-10,668.38	1,210.98	527.27	683.71	1.771 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	20.196 CC, ES		
300.00	300.00	296.23	296.21	3.44	3.44	-179.91	-136.12	-0.21	136.18	129.29	6.89	19.771		
400.00	399.98	392.30	392.16	3.60	3.58	84.07	-140.13	2.50	140.18	132.98	7.20	19.463		
500.00	499.84	488.11	487.62	3.80	3.77	84.15	-146.78	6.99	146.62	139.01	7.61	19.273		
600.00	599.45	583.53	582.39	4.04	3.99	84.74	-156.02	13.24	155.47	147.38	8.09	19.214		
700.00	698.70	678.47	676.25	4.31	4.26	85.71	-167.81	21.21	166.78	158.14	8.64	19.298		
800.00	797.47	772.82	769.01	4.62	4.55	86.94	-182.07	30.85	180.59	171.34	9.25	19.523		
900.00	895.62	866.47	860.47	4.97	4.88	88.31	-198.73	42.10	196.93	187.03	9.91	19.881		
980.89	974.49	941.64	933.39	5.27	5.17	89.45	-213.88	52.35	212.04	201.56	10.47	20.244		
1,000.00	993.07	959.33	950.47	5.34	5.25	89.78	-217.67	54.91	215.85	205.24	10.61	20.340		
1,100.00	1,090.26	1,051.44	1,038.96	5.75	5.64	91.04	-238.84	69.22	237.31	225.95	11.36	20.891		
1,200.00	1,187.45	1,142.70	1,125.78	6.17	6.06	91.64	-262.13	84.96	261.14	249.00	12.14	21.514		
1,300.00	1,284.64	1,235.34	1,213.03	6.62	6.51	91.76	-287.94	102.40	287.08	274.13	12.95	22.163		
1,400.00	1,381.83	1,331.80	1,303.67	7.07	7.02	91.78	-315.27	120.88	313.46	299.64	13.82	22.679		
1,500.00	1,479.01	1,428.25	1,394.30	7.54	7.54	91.81	-342.60	139.35	339.85	325.13	14.72	23.090		
1,600.00	1,576.20	1,524.71	1,484.94	8.02	8.07	91.83	-369.93	157.83	366.23	350.59	15.64	23.420		
1,700.00	1,673.39	1,621.17	1,575.58	8.50	8.61	91.84	-397.27	176.30	392.61	376.04	16.58	23.685		
1,800.00	1,770.58	1,717.62	1,666.22	8.99	9.17	91.86	-424.60	194.77	419.00	401.46	17.53	23.900		
1,900.00	1,867.77	1,814.08	1,756.86	9.48	9.73	91.87	-451.93	213.25	445.38	426.88	18.50	24.074		
2,000.00	1,964.96	1,910.54	1,847.50	9.98	10.30	91.88	-479.26	231.72	471.76	452.28	19.48	24.217		
2,100.00	2,062.15	2,006.99	1,938.14	10.49	10.87	91.89	-506.60	250.20	498.15	477.68	20.47	24.335		
2,200.00	2,159.34	2,103.45	2,028.78	10.99	11.45	91.90	-533.93	268.67	524.53	503.06	21.47	24.432		
2,300.00	2,256.53	2,200.09	2,119.42	11.50	12.04	91.91	-561.26	287.15	550.92	528.44	22.48	24.511		
2,400.00	2,353.71	2,296.36	2,210.06	12.01	12.62	91.91	-588.59	305.62	577.30	553.81	23.49	24.578		
2,500.00	2,450.90	2,407.18	2,300.70	12.53	13.30	91.92	-615.93	324.09	603.68	579.10	24.59	24.555		
2,600.00	2,548.09	2,489.28	2,391.34	13.04	13.80	91.93	-643.26	342.57	630.07	604.54	25.53	24.680		
2,700.00	2,645.28	2,585.73	2,481.98	13.56	14.39	91.93	-670.59	361.04	656.45	629.89	26.56	24.718		
2,800.00	2,742.47	2,682.19	2,572.62	14.08	14.99	91.94	-697.92	379.52	682.83	655.25	27.59	24.750		
2,900.00	2,839.66	2,778.65	2,663.26	14.60	15.59	91.94	-725.26	397.99	709.22	680.59	28.62	24.777		
3,000.00	2,936.85	2,875.10	2,753.90	15.12	16.19	91.95	-752.59	416.46	735.60	705.94	29.66	24.800		
3,100.00	3,034.04	2,971.56	2,844.54	15.65	16.79	91.95	-779.92	434.94	761.99	731.28	30.70	24.818		
3,200.00	3,131.22	3,068.02	2,935.18	16.17	17.39	91.96	-807.25	453.41	788.37	756.62	31.75	24.834		
3,300.00	3,228.41	3,164.47	3,025.82	16.69	17.99	91.96	-834.58	471.89	814.75	781.96	32.79	24.846		
3,400.00	3,325.60	3,260.93	3,116.46	17.22	18.60	91.96	-861.92	490.36	841.14	807.30	33.84	24.857		
3,500.00	3,422.79	3,357.39	3,207.10	17.75	19.20	91.97	-889.25	508.83	867.52	832.63	34.89	24.865		
3,600.00	3,519.98	3,453.85	3,297.74	18.27	19.81	91.97	-916.58	527.31	893.90	857.96	35.94	24.872		
3,700.00	3,617.17	3,550.30	3,388.38	18.80	20.41	91.97	-943.91	545.78	920.29	883.29	36.99	24.877		
3,800.00	3,714.36	3,646.76	3,479.02	19.33	21.02	91.97	-971.25	564.26	946.67	908.62	38.05	24.881		
3,900.00	3,811.55	3,743.22	3,569.66	19.86	21.63	91.98	-998.58	582.73	973.06	933.95	39.10	24.884		
4,000.00	3,908.74	3,839.67	3,660.30	20.39	22.24	91.98	-1,025.91	601.20	999.44	959.28	40.16	24.886		
4,100.00	4,005.92	3,936.13	3,750.94	20.92	22.85	91.98	-1,053.24	619.68	1,025.82	984.60	41.22	24.887		
4,200.00	4,103.11	4,032.59	3,841.57	21.45	23.46	91.98	-1,080.58	638.15	1,052.21	1,009.93	42.28	24.888		
4,300.00	4,200.30	4,129.04	3,932.21	21.98	24.07	91.99	-1,107.91	656.63	1,078.59	1,035.25	43.34	24.888		
4,400.00	4,297.49	4,225.50	4,022.85	22.51	24.68	91.99	-1,135.24	675.10	1,104.98	1,060.58	44.40	24.887		
4,500.00	4,394.68	4,321.96	4,113.49	23.04	25.29	91.99	-1,162.57	693.58	1,131.36	1,085.90	45.46	24.886		
4,600.00	4,491.87	4,418.41	4,204.13	23.57	25.90	91.99	-1,189.91	712.05	1,157.74	1,111.22	46.52	24.885		
4,700.00	4,589.06	4,514.87	4,294.77	24.10	26.51	91.99	-1,217.24	730.52	1,184.13	1,136.54	47.59	24.883		
4,800.00	4,686.25	4,611.33	4,385.41	24.64	27.12	91.99	-1,244.57	749.00	1,210.51	1,161.86	48.65	24.881		
4,900.00	4,783.43	4,707.78	4,476.05	25.17	27.73	92.00	-1,271.90	767.47	1,236.89	1,187.18	49.72	24.879		
5,000.00	4,880.62	4,804.24	4,566.69	25.70	28.35	92.00	-1,299.23	785.95	1,263.28	1,212.50	50.78	24.876		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,900.70	4,657.33	26.23	28.96	92.00	-1,326.57	804.42	1,289.66	1,237.81	51.85	24.874		
5,200.00	5,075.00	5,002.85	4,747.97	26.77	29.61	92.00	-1,353.90	822.89	1,316.05	1,263.10	52.95	24.856		
5,300.00	5,172.19	5,106.39	4,838.61	27.30	30.27	92.00	-1,381.23	841.37	1,342.43	1,288.37	54.06	24.834		
5,400.00	5,269.38	5,190.07	4,929.25	27.83	30.80	92.00	-1,408.56	859.84	1,368.81	1,313.76	55.05	24.865		
5,457.75	5,325.51	5,245.77	4,981.60	28.14	31.15	92.00	-1,424.35	870.51	1,384.05	1,328.38	55.67	24.863		
5,500.00	5,366.64	5,286.52	5,019.89	28.37	31.41	92.22	-1,435.90	878.32	1,395.19	1,339.07	56.11	24.863		
5,600.00	5,464.53	5,382.96	5,110.51	28.87	32.03	92.63	-1,463.22	896.79	1,421.45	1,364.31	57.14	24.875		
5,700.00	5,563.07	5,479.25	5,201.00	29.35	32.64	92.90	-1,490.51	915.23	1,447.58	1,389.45	58.13	24.901		
5,800.00	5,662.15	5,575.30	5,291.25	29.80	33.25	93.04	-1,517.73	933.63	1,473.59	1,414.50	59.08	24.941		
5,900.00	5,761.64	5,670.98	5,381.16	30.23	33.86	93.06	-1,544.84	951.95	1,499.50	1,439.51	59.99	24.995		
6,000.00	5,861.42	5,766.18	5,470.62	30.64	34.47	92.96	-1,571.81	970.18	1,525.39	1,464.53	60.86	25.063		
6,100.00	5,961.36	5,860.77	5,559.51	31.02	35.07	92.76	-1,598.62	988.30	1,551.31	1,489.62	61.70	25.144		
6,138.64	6,000.00	5,902.87	5,593.67	31.16	35.34	-171.83	-1,608.92	995.26	1,561.36	1,499.32	62.04	25.167		
6,200.00	6,061.36	5,954.79	5,647.86	31.38	35.67	-172.33	-1,625.26	1,006.31	1,577.39	1,514.89	62.49	25.242		
6,300.00	6,161.36	6,048.76	5,736.16	31.74	36.27	-173.12	-1,651.89	1,024.31	1,603.75	1,540.47	63.28	25.342		
6,400.00	6,261.36	6,142.73	5,824.46	32.10	36.87	-173.89	-1,678.51	1,042.30	1,630.41	1,566.33	64.08	25.444		
6,500.00	6,361.36	6,236.70	5,912.77	32.46	37.47	-174.63	-1,705.14	1,060.30	1,657.34	1,592.47	64.87	25.547		
6,562.02	6,423.38	6,305.02	5,967.53	32.68	37.90	-175.08	-1,721.66	1,071.46	1,674.18	1,608.75	65.43	25.589		
6,600.00	6,461.34	6,330.43	6,000.85	32.82	38.06	-84.14	-1,731.70	1,078.25	1,684.44	1,618.77	65.66	25.653		
6,650.00	6,511.08	6,376.24	6,043.89	32.99	38.36	-83.41	-1,744.68	1,087.03	1,697.70	1,631.67	66.03	25.712		
6,700.00	6,560.29	6,420.80	6,085.76	33.17	38.64	-82.80	-1,757.31	1,095.56	1,710.69	1,644.31	66.38	25.772		
6,750.00	6,608.64	6,463.83	6,126.20	33.36	38.91	-82.30	-1,769.50	1,103.80	1,723.45	1,656.73	66.71	25.834		
6,800.00	6,655.86	6,505.08	6,164.96	33.56	39.18	-81.88	-1,781.19	1,111.70	1,736.02	1,668.98	67.04	25.896		
6,850.00	6,701.64	6,544.29	6,201.80	33.78	39.43	-81.51	-1,792.30	1,119.21	1,748.48	1,681.12	67.36	25.959		
6,900.00	6,745.71	6,581.21	6,236.50	34.01	39.66	-81.18	-1,802.76	1,126.29	1,760.88	1,693.22	67.67	26.023		
6,950.00	6,787.79	6,615.63	6,268.84	34.27	39.88	-80.85	-1,812.52	1,132.88	1,773.31	1,705.34	67.97	26.088		
7,000.00	6,827.62	6,647.32	6,298.62	34.56	40.08	-80.49	-1,821.50	1,138.95	1,785.84	1,717.56	68.28	26.155		
7,050.00	6,864.96	6,676.09	6,325.66	34.87	40.27	-80.09	-1,829.65	1,144.46	1,798.54	1,729.96	68.59	26.223		
7,100.00	6,899.58	6,701.77	6,349.79	35.21	40.43	-79.62	-1,836.93	1,149.38	1,811.47	1,742.57	68.90	26.292		
7,150.00	6,931.26	6,724.19	6,370.86	35.60	40.58	-79.06	-1,843.28	1,153.67	1,824.69	1,755.47	69.22	26.362		
7,200.00	6,959.81	6,743.23	6,388.74	36.02	40.70	-78.38	-1,848.67	1,157.31	1,838.21	1,768.67	69.55	26.432		
7,250.00	6,985.06	6,758.75	6,403.33	36.47	40.80	-77.59	-1,853.07	1,160.29	1,852.08	1,782.19	69.88	26.503		
7,300.00	7,006.84	6,770.66	6,414.53	36.97	40.87	-76.66	-1,856.45	1,162.57	1,866.27	1,796.04	70.23	26.574		
7,350.00	7,025.02	6,778.90	6,422.27	37.51	40.92	-75.60	-1,858.78	1,164.15	1,880.77	1,810.18	70.58	26.645		
7,400.00	7,039.49	6,783.41	6,426.51	38.09	40.95	-74.40	-1,860.06	1,165.01	1,895.52	1,824.57	70.95	26.718		
7,450.00	7,050.17	6,784.16	6,427.21	38.70	40.96	-73.07	-1,860.27	1,165.16	1,910.46	1,839.15	71.31	26.791		
7,500.00	7,056.98	6,781.15	6,424.38	39.33	40.94	-71.62	-1,859.42	1,164.58	1,925.50	1,853.83	71.67	26.865		
7,550.00	7,059.89	6,774.40	6,418.04	39.99	40.90	-70.07	-1,857.51	1,163.29	1,940.53	1,868.50	72.03	26.942		
7,560.55	7,060.00	6,772.50	6,416.25	40.13	40.88	-69.74	-1,856.97	1,162.92	1,943.69	1,871.59	72.10	26.959		
7,600.00	7,060.09	6,765.09	6,409.29	40.67	40.84	-69.51	-1,854.87	1,161.50	1,955.83	1,883.45	72.38	27.022		
7,700.00	7,060.32	6,746.30	6,391.63	42.14	40.72	-68.94	-1,849.54	1,157.90	1,989.65	1,916.50	73.15	27.199		
7,800.00	7,060.55	8,189.37	7,233.65	43.75	47.62	-94.97	-2,112.63	360.04	1,999.05	1,911.42	87.63	22.812		
7,900.00	7,060.78	8,289.37	7,234.46	45.48	48.81	-94.98	-2,113.82	260.05	1,999.77	1,908.86	90.91	21.997		
8,000.00	7,061.01	8,389.36	7,235.27	47.33	50.17	-95.00	-2,115.01	160.07	2,000.48	1,906.07	94.42	21.188		
8,100.00	7,061.24	8,489.36	7,236.07	49.27	51.69	-95.01	-2,116.20	60.08	2,001.20	1,903.07	98.13	20.394		
8,200.00	7,061.47	8,589.36	7,236.88	51.29	53.36	-95.03	-2,117.40	-39.90	2,001.91	1,899.89	102.02	19.622		
8,300.00	7,061.70	8,689.35	7,237.69	53.40	55.14	-95.04	-2,118.59	-139.89	2,002.63	1,896.55	106.08	18.879		
8,400.00	7,061.93	8,789.35	7,238.50	55.57	57.03	-95.06	-2,119.78	-239.88	2,003.35	1,893.07	110.28	18.166		
8,500.00	7,062.16	8,889.34	7,239.30	57.80	59.02	-95.07	-2,120.97	-339.86	2,004.06	1,889.45	114.61	17.486		
8,600.00	7,062.39	8,989.34	7,240.11	60.08	61.09	-95.09	-2,122.16	-439.85	2,004.78	1,885.72	119.06	16.839		
8,700.00	7,062.63	9,089.34	7,240.92	62.42	63.23	-95.10	-2,123.35	-539.83	2,005.49	1,881.89	123.60	16.225		
8,800.00	7,062.86	9,189.33	7,241.73	64.79	65.43	-95.12	-2,124.54	-639.82	2,006.21	1,877.97	128.24	15.644		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,289.33	7,242.53	67.20	67.69	-95.13	-2,125.74	-739.80	2,006.93	1,873.97	132.96	15.094		
9,000.00	7,063.32	9,389.32	7,243.34	69.65	70.00	-95.15	-2,126.93	-839.79	2,007.64	1,869.89	137.75	14.574		
9,100.00	7,063.55	9,489.32	7,244.15	72.12	72.35	-95.16	-2,128.12	-939.78	2,008.36	1,865.75	142.61	14.083		
9,200.00	7,063.78	9,589.32	7,244.96	74.63	74.74	-95.18	-2,129.31	-1,039.76	2,009.08	1,861.55	147.53	13.618		
9,300.00	7,064.01	9,689.31	7,245.77	77.16	77.16	-95.19	-2,130.50	-1,139.75	2,009.79	1,857.29	152.50	13.179		
9,400.00	7,064.24	9,789.31	7,246.57	79.71	79.61	-95.20	-2,131.69	-1,239.73	2,010.51	1,852.99	157.52	12.763		
9,500.00	7,064.47	9,889.31	7,247.38	82.28	82.09	-95.22	-2,132.88	-1,339.72	2,011.23	1,848.64	162.59	12.370		
9,600.00	7,064.70	9,989.30	7,248.19	84.87	84.60	-95.23	-2,134.08	-1,439.71	2,011.95	1,844.26	167.69	11.998		
9,700.00	7,064.93	10,089.30	7,249.00	87.47	87.13	-95.25	-2,135.27	-1,539.69	2,012.66	1,839.83	172.83	11.645		
9,800.00	7,065.16	10,189.29	7,249.80	90.09	89.68	-95.26	-2,136.46	-1,639.68	2,013.38	1,835.38	178.00	11.311		
9,900.00	7,065.39	10,289.29	7,250.61	92.73	92.25	-95.28	-2,137.65	-1,739.66	2,014.10	1,830.89	183.21	10.994		
10,000.00	7,065.62	10,389.29	7,251.42	95.38	94.83	-95.29	-2,138.84	-1,839.65	2,014.82	1,826.38	188.44	10.692		
10,100.00	7,065.85	10,489.28	7,252.23	98.04	97.43	-95.31	-2,140.03	-1,939.63	2,015.53	1,821.84	193.70	10.406		
10,200.00	7,066.08	10,589.28	7,253.04	100.71	100.05	-95.32	-2,141.22	-2,039.62	2,016.25	1,817.27	198.98	10.133		
10,300.00	7,066.31	10,689.27	7,253.84	103.39	102.68	-95.34	-2,142.42	-2,139.61	2,016.97	1,812.69	204.28	9.874		
10,400.00	7,066.54	10,789.27	7,254.65	106.08	105.32	-95.35	-2,143.61	-2,239.59	2,017.69	1,808.09	209.60	9.626		
10,500.00	7,066.77	10,889.27	7,255.46	108.78	107.97	-95.37	-2,144.80	-2,339.58	2,018.41	1,803.46	214.94	9.390		
10,600.00	7,067.01	10,989.26	7,256.27	111.48	110.64	-95.38	-2,145.99	-2,439.56	2,019.13	1,798.82	220.30	9.165		
10,700.00	7,067.24	11,089.26	7,257.07	114.20	113.31	-95.39	-2,147.18	-2,539.55	2,019.85	1,794.17	225.68	8.950		
10,800.00	7,067.47	11,189.25	7,257.88	116.92	115.99	-95.41	-2,148.37	-2,639.53	2,020.56	1,789.50	231.07	8.745		
10,900.00	7,067.70	11,289.25	7,258.69	119.65	118.68	-95.42	-2,149.57	-2,739.52	2,021.28	1,784.81	236.47	8.548		
11,000.00	7,067.93	11,389.25	7,259.50	122.38	121.38	-95.44	-2,150.76	-2,839.51	2,022.00	1,780.12	241.88	8.359		
11,100.00	7,068.16	11,489.24	7,260.31	125.12	124.09	-95.45	-2,151.95	-2,939.49	2,022.72	1,775.41	247.31	8.179		
11,200.00	7,068.39	11,589.24	7,261.11	127.86	126.80	-95.47	-2,153.14	-3,039.48	2,023.44	1,770.69	252.75	8.006		
11,300.00	7,068.62	11,689.24	7,261.92	130.61	129.52	-95.48	-2,154.33	-3,139.46	2,024.16	1,765.96	258.20	7.840		
11,400.00	7,068.85	11,789.23	7,262.73	133.37	132.24	-95.50	-2,155.52	-3,239.45	2,024.88	1,761.22	263.66	7.680		
11,500.00	7,069.08	11,889.23	7,263.54	136.12	134.97	-95.51	-2,156.71	-3,339.43	2,025.60	1,756.47	269.13	7.527		
11,600.00	7,069.31	11,989.22	7,264.34	138.89	137.71	-95.52	-2,157.91	-3,439.42	2,026.32	1,751.72	274.60	7.379		
11,700.00	7,069.54	12,089.22	7,265.15	141.65	140.45	-95.54	-2,159.10	-3,539.41	2,027.04	1,746.95	280.09	7.237		
11,800.00	7,069.77	12,189.22	7,265.96	144.42	143.19	-95.55	-2,160.29	-3,639.39	2,027.76	1,742.18	285.58	7.101		
11,900.00	7,070.00	12,289.21	7,266.77	147.19	145.94	-95.57	-2,161.48	-3,739.38	2,028.48	1,737.40	291.08	6.969		
12,000.00	7,070.23	12,389.21	7,267.58	149.97	148.69	-95.58	-2,162.67	-3,839.36	2,029.20	1,732.62	296.59	6.842		
12,100.00	7,070.46	12,489.20	7,268.38	152.75	151.45	-95.60	-2,163.86	-3,939.35	2,029.92	1,727.82	302.10	6.719		
12,200.00	7,070.69	12,589.20	7,269.19	155.53	154.21	-95.61	-2,165.05	-4,039.33	2,030.64	1,723.03	307.62	6.601		
12,300.00	7,070.92	12,689.20	7,270.00	158.32	156.97	-95.63	-2,166.25	-4,139.32	2,031.36	1,718.22	313.14	6.487		
12,400.00	7,071.16	12,789.19	7,270.81	161.10	159.74	-95.64	-2,167.44	-4,239.31	2,032.08	1,713.41	318.67	6.377		
12,500.00	7,071.39	12,889.19	7,271.61	163.89	162.51	-95.65	-2,168.63	-4,339.29	2,032.81	1,708.60	324.20	6.270		
12,600.00	7,071.62	12,989.18	7,272.42	166.69	165.28	-95.67	-2,169.82	-4,439.28	2,033.53	1,703.78	329.74	6.167		
12,700.00	7,071.85	13,089.18	7,273.23	169.48	168.06	-95.68	-2,171.01	-4,539.26	2,034.25	1,698.96	335.29	6.067		
12,800.00	7,072.08	13,189.18	7,274.04	172.28	170.84	-95.70	-2,172.20	-4,639.25	2,034.97	1,694.13	340.84	5.971		
12,900.00	7,072.31	13,289.17	7,274.85	175.08	173.62	-95.71	-2,173.39	-4,739.23	2,035.69	1,689.30	346.39	5.877		
13,000.00	7,072.54	13,389.17	7,275.65	177.88	176.40	-95.73	-2,174.59	-4,839.22	2,036.41	1,684.47	351.95	5.786		
13,100.00	7,072.77	13,489.17	7,276.46	180.68	179.19	-95.74	-2,175.78	-4,939.21	2,037.13	1,679.63	357.51	5.698		
13,200.00	7,073.00	13,555.88	7,277.00	183.48	181.05	-95.75	-2,176.57	-5,005.92	2,038.13	1,676.15	361.98	5.631		
13,300.00	7,073.23	13,555.88	7,277.00	186.29	181.05	-95.75	-2,176.57	-5,005.92	2,042.93	1,679.22	363.71	5.617 SF		
13,400.00	7,073.46	13,555.88	7,277.00	189.09	181.05	-95.75	-2,176.57	-5,005.92	2,052.60	1,688.00	364.60	5.630		
13,500.00	7,073.69	13,555.88	7,277.00	191.90	181.05	-95.75	-2,176.57	-5,005.92	2,067.07	1,702.39	364.68	5.668		
13,600.00	7,073.92	13,555.88	7,277.00	194.71	181.05	-95.75	-2,176.57	-5,005.92	2,086.23	1,722.26	363.97	5.732		
13,700.00	7,074.15	13,555.88	7,277.00	197.52	181.05	-95.75	-2,176.57	-5,005.92	2,109.97	1,747.44	362.52	5.820		
13,800.00	7,074.38	13,555.88	7,277.00	200.34	181.05	-95.75	-2,176.57	-5,005.92	2,138.12	1,777.72	360.40	5.933		
13,900.00	7,074.61	13,555.88	7,277.00	203.15	181.05	-95.75	-2,176.57	-5,005.92	2,170.52	1,812.86	357.66	6.069		
14,000.00	7,074.84	13,555.88	7,277.00	205.97	181.05	-95.75	-2,176.57	-5,005.92	2,206.98	1,852.59	354.39	6.228		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	13,555.88	7,277.00	208.78	181.05	-95.75	-2,176.57	-5,005.92	2,247.30	1,896.65	350.65	6.409		
14,200.00	7,075.30	13,555.88	7,277.00	211.60	181.05	-95.75	-2,176.57	-5,005.92	2,291.28	1,944.76	346.52	6.612		
14,300.00	7,075.54	13,555.88	7,277.00	214.42	181.05	-95.75	-2,176.57	-5,005.92	2,338.71	1,996.63	342.07	6.837		
14,400.00	7,075.77	13,555.88	7,277.00	217.24	181.05	-95.75	-2,176.57	-5,005.92	2,389.38	2,052.01	337.37	7.082		
14,500.00	7,076.00	13,555.88	7,277.00	220.06	181.05	-95.75	-2,176.57	-5,005.92	2,443.10	2,110.62	332.48	7.348		
14,600.00	7,076.23	13,555.88	7,277.00	222.88	181.05	-95.75	-2,176.57	-5,005.92	2,499.67	2,172.21	327.46	7.634		
14,700.00	7,076.46	13,555.88	7,277.00	225.70	181.05	-95.75	-2,176.57	-5,005.92	2,558.89	2,236.54	322.35	7.938		
14,800.00	7,076.69	13,555.88	7,277.00	228.53	181.05	-95.75	-2,176.57	-5,005.92	2,620.60	2,303.40	317.20	8.262		
14,900.00	7,076.92	13,555.88	7,277.00	231.35	181.05	-95.75	-2,176.57	-5,005.92	2,684.61	2,372.57	312.04	8.603		
15,000.00	7,077.15	13,555.88	7,277.00	234.18	181.05	-95.75	-2,176.57	-5,005.92	2,750.77	2,443.86	306.91	8.963		
15,100.00	7,077.38	13,555.88	7,277.00	237.00	181.05	-95.75	-2,176.57	-5,005.92	2,818.92	2,517.10	301.83	9.340		
15,200.00	7,077.61	13,555.88	7,277.00	239.83	181.05	-95.75	-2,176.57	-5,005.92	2,888.93	2,592.11	296.82	9.733		
15,300.00	7,077.84	13,555.88	7,277.00	242.66	181.05	-95.75	-2,176.57	-5,005.92	2,960.66	2,668.76	291.90	10.143		
15,400.00	7,078.07	13,555.88	7,277.00	245.49	181.05	-95.75	-2,176.57	-5,005.92	3,033.99	2,746.91	287.09	10.568		
15,500.00	7,078.30	13,555.88	7,277.00	248.31	181.05	-95.75	-2,176.57	-5,005.92	3,108.81	2,826.43	282.38	11.009		
15,600.00	7,078.53	13,555.88	7,277.00	251.14	181.05	-95.75	-2,176.57	-5,005.92	3,185.01	2,907.21	277.80	11.465		
15,700.00	7,078.76	13,555.88	7,277.00	253.97	181.05	-95.75	-2,176.57	-5,005.92	3,262.50	2,989.15	273.35	11.935		
15,800.00	7,078.99	13,555.88	7,277.00	256.80	181.05	-95.75	-2,176.57	-5,005.92	3,341.18	3,072.16	269.02	12.420		
15,900.00	7,079.22	13,555.88	7,277.00	259.64	181.05	-95.75	-2,176.57	-5,005.92	3,420.98	3,156.15	264.83	12.918		
16,000.00	7,079.45	13,555.88	7,277.00	262.47	181.05	-95.75	-2,176.57	-5,005.92	3,501.82	3,241.05	260.77	13.429		
16,100.00	7,079.69	13,555.88	7,277.00	265.30	181.05	-95.75	-2,176.57	-5,005.92	3,583.62	3,326.78	256.84	13.953		
16,200.00	7,079.92	13,555.88	7,277.00	268.13	181.05	-95.75	-2,176.57	-5,005.92	3,666.32	3,413.28	253.04	14.489		
16,300.00	7,080.15	13,555.88	7,277.00	270.97	181.05	-95.75	-2,176.57	-5,005.92	3,749.87	3,500.50	249.37	15.038		
16,400.00	7,080.38	13,555.88	7,277.00	273.80	181.05	-95.75	-2,176.57	-5,005.92	3,834.20	3,588.38	245.82	15.598		
16,500.00	7,080.61	13,555.88	7,277.00	276.64	181.05	-95.75	-2,176.57	-5,005.92	3,919.27	3,676.88	242.40	16.169		
16,600.00	7,080.84	13,555.88	7,277.00	279.47	181.05	-95.75	-2,176.57	-5,005.92	4,005.03	3,765.94	239.09	16.751		
16,700.00	7,081.07	13,555.88	7,277.00	282.31	181.05	-95.75	-2,176.57	-5,005.92	4,091.44	3,855.54	235.90	17.344		
16,800.00	7,081.30	13,555.88	7,277.00	285.14	181.05	-95.75	-2,176.57	-5,005.92	4,178.46	3,945.63	232.83	17.947		
16,900.00	7,081.53	13,555.88	7,277.00	287.98	181.05	-95.75	-2,176.57	-5,005.92	4,266.04	4,036.18	229.86	18.559		
17,000.00	7,081.76	13,555.88	7,277.00	290.82	181.05	-95.75	-2,176.57	-5,005.92	4,354.16	4,127.16	227.00	19.182		
17,100.00	7,081.99	13,555.88	7,277.00	293.65	181.05	-95.75	-2,176.57	-5,005.92	4,442.78	4,218.54	224.23	19.813		
17,200.00	7,082.22	13,555.88	7,277.00	296.49	181.05	-95.75	-2,176.57	-5,005.92	4,531.87	4,310.30	221.57	20.453		
17,300.00	7,082.45	13,555.88	7,277.00	299.33	181.05	-95.75	-2,176.57	-5,005.92	4,621.42	4,402.42	219.00	21.102		
17,400.00	7,082.68	13,555.88	7,277.00	302.17	181.05	-95.75	-2,176.57	-5,005.92	4,711.38	4,494.86	216.52	21.760		
17,500.00	7,082.91	13,555.88	7,277.00	305.01	181.05	-95.75	-2,176.57	-5,005.92	4,801.74	4,587.61	214.13	22.425		
17,600.00	7,083.14	13,555.88	7,277.00	307.85	181.05	-95.75	-2,176.57	-5,005.92	4,892.47	4,680.65	211.82	23.098		
17,700.00	7,083.37	13,555.88	7,277.00	310.69	181.05	-95.75	-2,176.57	-5,005.92	4,983.56	4,773.97	209.59	23.778		
17,800.00	7,083.60	13,555.88	7,277.00	313.53	181.05	-95.75	-2,176.57	-5,005.92	5,074.99	4,867.55	207.44	24.465		
17,900.00	7,083.84	13,555.88	7,277.00	316.37	181.05	-95.75	-2,176.57	-5,005.92	5,166.73	4,961.37	205.36	25.160		
18,000.00	7,084.07	13,555.88	7,277.00	319.21	181.05	-95.75	-2,176.57	-5,005.92	5,258.77	5,055.42	203.35	25.861		
18,100.00	7,084.30	13,555.88	7,277.00	322.05	181.05	-95.75	-2,176.57	-5,005.92	5,351.10	5,149.69	201.41	26.568		
18,200.00	7,084.53	13,555.88	7,277.00	324.89	181.05	-95.75	-2,176.57	-5,005.92	5,443.70	5,244.16	199.54	27.282		
18,300.00	7,084.76	13,555.88	7,277.00	327.73	181.05	-95.75	-2,176.57	-5,005.92	5,536.56	5,338.83	197.72	28.001		
18,400.00	7,084.99	13,555.88	7,277.00	330.57	181.05	-95.75	-2,176.57	-5,005.92	5,629.66	5,433.69	195.97	28.727		
18,500.00	7,085.22	13,555.88	7,277.00	333.41	181.05	-95.75	-2,176.57	-5,005.92	5,722.99	5,528.71	194.28	29.457		
18,600.00	7,085.45	13,555.88	7,277.00	336.26	181.05	-95.75	-2,176.57	-5,005.92	5,816.55	5,623.91	192.64	30.193		
18,700.00	7,085.68	13,555.88	7,277.00	339.10	181.05	-95.75	-2,176.57	-5,005.92	5,910.32	5,719.26	191.06	30.934		
18,800.00	7,085.91	13,555.88	7,277.00	341.94	181.05	-95.75	-2,176.57	-5,005.92	6,004.29	5,814.76	189.53	31.680		
18,839.14	7,086.00	13,555.88	7,277.00	343.06	181.05	-95.75	-2,176.57	-5,005.92	6,041.12	5,852.18	188.94	31.973		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-119.85	-1.11	119.86					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-119.85	-1.11	119.86	113.29	6.57	18.245		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-119.85	-1.11	119.86	113.18	6.67	17.959 CC, ES		
300.00	300.00	296.70	296.68	3.44	3.44	-179.92	-121.18	-0.16	121.22	114.34	6.89	17.599		
400.00	399.98	393.23	393.08	3.60	3.58	83.95	-125.15	2.68	125.17	117.97	7.20	17.377		
500.00	499.84	489.50	489.01	3.80	3.77	83.98	-131.73	7.41	131.51	123.90	7.61	17.282		
600.00	599.45	585.41	584.25	4.04	4.00	84.54	-140.89	13.98	140.22	132.12	8.09	17.322		
700.00	698.70	680.85	678.60	4.31	4.26	85.52	-152.57	22.35	151.33	142.68	8.65	17.501		
800.00	797.47	775.72	771.85	4.62	4.56	86.77	-166.70	32.49	164.89	155.63	9.26	17.812		
900.00	895.62	869.91	863.82	4.97	4.90	88.15	-183.21	44.33	180.93	171.01	9.92	18.247		
980.89	974.49	945.55	937.16	5.27	5.19	89.30	-198.24	55.11	195.74	185.25	10.49	18.664		
1,000.00	993.07	963.35	954.35	5.34	5.26	89.63	-202.01	57.81	199.48	188.86	10.63	18.772		
1,100.00	1,090.26	1,056.05	1,043.37	5.75	5.66	90.85	-223.01	72.88	220.53	209.15	11.38	19.379		
1,200.00	1,187.45	1,147.91	1,130.71	6.17	6.08	91.34	-246.13	89.46	243.89	231.73	12.16	20.050		
1,300.00	1,284.64	1,241.93	1,219.27	6.62	6.55	91.36	-271.79	107.87	269.18	256.19	12.99	20.722		
1,400.00	1,381.83	1,338.62	1,310.22	7.07	7.05	91.33	-298.44	126.98	294.73	280.86	13.86	21.258		
1,500.00	1,479.01	1,435.30	1,401.17	7.54	7.57	91.31	-325.09	146.10	320.27	305.51	14.77	21.691		
1,600.00	1,576.20	1,531.98	1,492.12	8.02	8.11	91.28	-351.75	165.21	345.82	330.13	15.69	22.041		
1,700.00	1,673.39	1,628.66	1,583.07	8.50	8.66	91.27	-378.40	184.33	371.36	354.73	16.63	22.327		
1,800.00	1,770.58	1,725.35	1,674.02	8.99	9.21	91.25	-405.05	203.44	396.90	379.31	17.59	22.563		
1,900.00	1,867.77	1,822.03	1,764.97	9.48	9.77	91.23	-431.70	222.56	422.45	403.88	18.56	22.757		
2,000.00	1,964.96	1,918.71	1,855.91	9.98	10.34	91.22	-458.35	241.68	447.99	428.44	19.55	22.919		
2,100.00	2,062.15	2,015.39	1,946.86	10.49	10.92	91.21	-485.00	260.79	473.53	452.99	20.54	23.054		
2,200.00	2,159.34	2,112.08	2,037.81	10.99	11.50	91.20	-511.65	279.91	499.08	477.54	21.54	23.168		
2,300.00	2,256.53	2,208.76	2,128.76	11.50	12.08	91.19	-538.30	299.02	524.62	502.07	22.55	23.264		
2,400.00	2,353.71	2,305.44	2,219.71	12.01	12.67	91.18	-564.95	318.14	550.17	526.60	23.57	23.345		
2,500.00	2,450.90	2,402.12	2,310.66	12.53	13.26	91.17	-591.61	337.25	575.71	551.12	24.59	23.415		
2,600.00	2,548.09	2,501.19	2,401.61	13.04	13.86	91.17	-618.26	356.37	601.25	575.63	25.63	23.463		
2,700.00	2,645.28	2,604.51	2,492.56	13.56	14.50	91.16	-644.91	375.48	626.80	600.11	26.69	23.482		
2,800.00	2,742.47	2,707.83	2,583.51	14.08	15.14	91.15	-671.56	394.60	652.34	624.58	27.76	23.496		
2,900.00	2,839.66	2,788.85	2,674.46	14.60	15.64	91.15	-698.21	413.71	677.89	649.17	28.71	23.608		
3,000.00	2,936.85	2,885.54	2,765.41	15.12	16.24	91.14	-724.86	432.83	703.43	673.68	29.75	23.641		
3,100.00	3,034.04	2,982.22	2,856.36	15.65	16.84	91.14	-751.51	451.95	728.97	698.18	30.80	23.669		
3,200.00	3,131.22	3,078.90	2,947.31	16.17	17.44	91.13	-778.16	471.06	754.52	722.67	31.84	23.694		
3,300.00	3,228.41	3,175.58	3,038.26	16.69	18.04	91.13	-804.81	490.18	780.06	747.17	32.89	23.716		
3,400.00	3,325.60	3,272.27	3,129.21	17.22	18.65	91.13	-831.47	509.29	805.61	771.66	33.94	23.735		
3,500.00	3,422.79	3,368.95	3,220.16	17.75	19.25	91.12	-858.12	528.41	831.15	796.16	34.99	23.752		
3,600.00	3,519.98	3,465.63	3,311.11	18.27	19.86	91.12	-884.77	547.52	856.69	820.65	36.05	23.766		
3,700.00	3,617.17	3,562.31	3,402.06	18.80	20.47	91.12	-911.42	566.64	882.24	845.14	37.10	23.779		
3,800.00	3,714.36	3,659.00	3,493.01	19.33	21.07	91.11	-938.07	585.75	907.78	869.62	38.16	23.790		
3,900.00	3,811.55	3,755.68	3,583.96	19.86	21.68	91.11	-964.72	604.87	933.33	894.11	39.22	23.799		
4,000.00	3,908.74	3,852.36	3,674.91	20.39	22.29	91.11	-991.37	623.99	958.87	918.59	40.28	23.808		
4,100.00	4,005.92	3,949.04	3,765.85	20.92	22.90	91.10	-1,018.02	643.10	984.41	943.08	41.34	23.815		
4,200.00	4,103.11	4,045.73	3,856.80	21.45	23.51	91.10	-1,044.68	662.22	1,009.96	967.56	42.40	23.821		
4,300.00	4,200.30	4,142.41	3,947.75	21.98	24.12	91.10	-1,071.33	681.33	1,035.50	992.04	43.46	23.827		
4,400.00	4,297.49	4,239.09	4,038.70	22.51	24.73	91.10	-1,097.98	700.45	1,061.05	1,016.52	44.52	23.832		
4,500.00	4,394.68	4,335.77	4,129.65	23.04	25.34	91.10	-1,124.63	719.56	1,086.59	1,041.00	45.59	23.836		
4,600.00	4,491.87	4,432.46	4,220.60	23.57	25.95	91.09	-1,151.28	738.68	1,112.13	1,065.48	46.65	23.840		
4,700.00	4,589.06	4,529.14	4,311.55	24.10	26.56	91.09	-1,177.93	757.79	1,137.68	1,089.96	47.72	23.843		
4,800.00	4,686.25	4,625.82	4,402.50	24.64	27.18	91.09	-1,204.58	776.91	1,163.22	1,114.44	48.78	23.845		
4,900.00	4,783.43	4,722.50	4,493.45	25.17	27.79	91.09	-1,231.23	796.03	1,188.77	1,138.92	49.85	23.847		
5,000.00	4,880.62	4,819.19	4,584.40	25.70	28.40	91.09	-1,257.88	815.14	1,214.31	1,163.39	50.92	23.849		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,915.87	4,675.35	26.23	29.01	91.08	-1,284.54	834.26	1,239.85	1,187.87	51.98	23.850		
5,200.00	5,075.00	5,012.55	4,766.30	26.77	29.63	91.08	-1,311.19	853.37	1,265.40	1,212.34	53.05	23.852		
5,300.00	5,172.19	5,109.23	4,857.25	27.30	30.24	91.08	-1,337.84	872.49	1,290.94	1,236.82	54.12	23.852		
5,400.00	5,269.38	5,205.92	4,948.20	27.83	30.85	91.08	-1,364.49	891.60	1,316.49	1,261.29	55.19	23.853		
5,457.75	5,325.51	5,261.75	5,000.72	28.14	31.21	91.08	-1,379.88	902.64	1,331.24	1,275.43	55.81	23.853		
5,500.00	5,366.64	5,302.60	5,039.15	28.37	31.47	91.29	-1,391.14	910.72	1,342.02	1,285.77	56.26	23.855		
5,600.00	5,464.53	5,399.24	5,130.06	28.87	32.08	91.67	-1,417.78	929.83	1,367.50	1,310.21	57.29	23.870		
5,700.00	5,563.07	5,504.27	5,220.83	29.35	32.75	91.92	-1,444.38	948.90	1,392.90	1,334.57	58.33	23.881		
5,800.00	5,662.15	5,591.95	5,311.34	29.80	33.30	92.02	-1,470.90	967.93	1,418.23	1,359.00	59.23	23.946		
5,900.00	5,761.64	5,687.79	5,401.49	30.23	33.91	92.01	-1,497.32	986.88	1,443.54	1,383.41	60.13	24.006		
6,000.00	5,861.42	5,783.12	5,491.17	30.64	34.52	91.87	-1,523.60	1,005.72	1,468.89	1,407.89	61.00	24.080		
6,100.00	5,961.36	5,877.83	5,580.27	31.02	35.12	91.63	-1,549.71	1,024.45	1,494.35	1,432.52	61.83	24.168		
6,138.64	6,000.00	5,914.23	5,614.51	31.16	35.35	-172.97	-1,559.74	1,031.65	1,504.23	1,442.09	62.14	24.208		
6,200.00	6,061.36	5,971.96	5,668.81	31.38	35.72	-173.49	-1,575.65	1,043.06	1,520.02	1,457.40	62.62	24.273		
6,300.00	6,161.36	6,066.03	5,757.31	31.74	36.32	-174.31	-1,601.58	1,061.66	1,546.00	1,482.59	63.41	24.381		
6,400.00	6,261.36	6,160.10	5,845.80	32.10	36.92	-175.11	-1,627.51	1,080.26	1,572.28	1,508.09	64.20	24.491		
6,500.00	6,361.36	6,254.17	5,934.29	32.46	37.52	-175.88	-1,653.44	1,098.86	1,598.86	1,533.87	64.99	24.601		
6,562.02	6,423.38	6,312.51	5,989.17	32.68	37.89	-176.35	-1,669.53	1,110.39	1,615.47	1,549.99	65.48	24.670		
6,600.00	6,461.34	6,347.99	6,022.55	32.82	38.11	-85.42	-1,679.31	1,117.41	1,625.63	1,559.85	65.77	24.715		
6,650.00	6,511.08	6,406.18	6,065.66	32.99	38.48	-84.71	-1,691.94	1,126.47	1,638.82	1,572.62	66.21	24.754		
6,700.00	6,560.29	6,438.37	6,107.57	33.17	38.69	-84.12	-1,704.22	1,135.28	1,651.84	1,585.36	66.48	24.847		
6,750.00	6,608.64	6,481.38	6,148.03	33.36	38.96	-83.63	-1,716.08	1,143.78	1,664.72	1,597.91	66.81	24.916		
6,800.00	6,655.86	6,522.57	6,186.78	33.56	39.22	-83.21	-1,727.43	1,151.92	1,677.52	1,610.39	67.13	24.988		
6,850.00	6,701.64	6,561.70	6,223.59	33.78	39.47	-82.83	-1,738.22	1,159.66	1,690.30	1,622.85	67.44	25.063		
6,900.00	6,745.71	6,598.52	6,258.23	34.01	39.71	-82.48	-1,748.37	1,166.94	1,703.13	1,635.38	67.75	25.140		
6,950.00	6,787.79	6,632.81	6,290.48	34.27	39.93	-82.12	-1,757.82	1,173.72	1,716.09	1,648.05	68.04	25.221		
7,000.00	6,827.62	6,664.35	6,320.16	34.56	40.13	-81.73	-1,766.52	1,179.96	1,729.26	1,660.92	68.34	25.304		
7,050.00	6,864.96	6,698.41	6,352.26	34.87	40.34	-81.42	-1,775.92	1,186.35	1,742.67	1,673.98	68.69	25.368		
7,100.00	6,899.58	6,738.06	6,389.95	35.21	40.57	-81.26	-1,786.96	1,191.67	1,756.24	1,687.10	69.14	25.400		
7,150.00	6,931.26	6,780.92	6,430.98	35.60	40.80	-81.18	-1,798.95	1,194.67	1,769.90	1,700.24	69.66	25.409		
7,200.00	6,959.81	6,828.19	6,476.35	36.02	41.01	-81.22	-1,812.20	1,194.63	1,783.59	1,713.35	70.24	25.392		
7,250.00	6,985.06	6,881.69	6,527.53	36.47	41.22	-81.41	-1,827.13	1,190.36	1,797.22	1,726.31	70.91	25.346		
7,300.00	7,006.84	6,944.28	6,586.72	36.97	41.43	-81.84	-1,844.37	1,179.70	1,810.69	1,739.02	71.66	25.266		
7,350.00	7,025.02	7,020.66	6,657.16	37.51	41.63	-82.59	-1,864.85	1,158.59	1,823.79	1,751.27	72.52	25.148		
7,400.00	7,039.49	7,400.00	6,716.77	38.09	42.50	-83.08	-1,882.15	1,132.45	1,836.23	1,761.72	74.51	24.645		
7,450.00	7,050.17	7,252.30	6,848.95	38.70	42.15	-85.66	-1,920.36	1,043.68	1,847.44	1,772.71	74.73	24.722		
7,500.00	7,056.98	7,440.92	6,967.87	39.33	42.71	-88.02	-1,954.45	902.22	1,856.31	1,779.72	76.59	24.238		
7,550.00	7,059.89	7,696.60	7,056.21	39.99	44.03	-89.93	-1,979.19	665.40	1,861.00	1,780.82	80.18	23.209		
7,560.55	7,060.00	7,756.86	7,063.29	40.13	44.47	-90.10	-1,980.99	605.61	1,861.26	1,780.02	81.24	22.910		
7,600.00	7,060.09	7,831.45	7,065.27	40.67	45.09	-90.16	-1,981.23	531.06	1,861.05	1,778.16	82.89	22.452		
7,700.00	7,060.32	7,931.45	7,066.09	42.14	46.07	-90.18	-1,981.02	431.06	1,860.31	1,774.59	85.73	21.701		
7,800.00	7,060.55	8,031.44	7,066.92	43.75	47.22	-90.20	-1,980.81	331.07	1,859.58	1,770.74	88.84	20.932		
7,900.00	7,060.78	8,131.44	7,067.74	45.48	48.55	-90.21	-1,980.60	231.08	1,858.85	1,766.65	92.20	20.160		
8,000.00	7,061.01	8,231.44	7,068.57	47.33	50.04	-90.23	-1,980.39	131.09	1,858.12	1,762.33	95.79	19.398		
8,100.00	7,061.24	8,331.43	7,069.40	49.27	51.67	-90.25	-1,980.18	31.10	1,857.39	1,757.81	99.58	18.653		
8,200.00	7,061.47	8,431.43	7,070.22	51.29	53.44	-90.27	-1,979.97	-68.89	1,856.66	1,753.12	103.54	17.932		
8,300.00	7,061.70	8,531.42	7,071.05	53.40	55.31	-90.29	-1,979.77	-168.89	1,855.93	1,748.27	107.66	17.239		
8,400.00	7,061.93	8,631.42	7,071.87	55.57	57.28	-90.31	-1,979.56	-268.88	1,855.20	1,743.28	111.92	16.576		
8,500.00	7,062.16	8,731.41	7,072.70	57.80	59.34	-90.32	-1,979.35	-368.87	1,854.47	1,738.16	116.31	15.945		
8,600.00	7,062.39	8,831.41	7,073.53	60.08	61.46	-90.34	-1,979.14	-468.86	1,853.74	1,732.94	120.80	15.345		
8,700.00	7,062.63	8,931.40	7,074.35	62.42	63.66	-90.36	-1,978.93	-568.85	1,853.01	1,727.61	125.40	14.777		
8,800.00	7,062.86	9,031.40	7,075.18	64.79	65.91	-90.38	-1,978.72	-668.85	1,852.28	1,722.19	130.09	14.239		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,131.40	7,076.00	67.20	68.21	-90.40	-1,978.51	-768.84	1,851.55	1,716.70	134.85	13.730		
9,000.00	7,063.32	9,231.39	7,076.83	69.65	70.56	-90.42	-1,978.30	-868.83	1,850.82	1,711.14	139.69	13.250		
9,100.00	7,063.55	9,331.39	7,077.66	72.12	72.95	-90.44	-1,978.09	-968.82	1,850.09	1,705.51	144.59	12.796		
9,200.00	7,063.78	9,431.38	7,078.48	74.63	75.37	-90.45	-1,977.88	-1,068.81	1,849.37	1,699.82	149.55	12.366		
9,300.00	7,064.01	9,531.38	7,079.31	77.16	77.83	-90.47	-1,977.67	-1,168.81	1,848.64	1,694.08	154.56	11.961		
9,400.00	7,064.24	9,631.37	7,080.13	79.71	80.31	-90.49	-1,977.46	-1,268.80	1,847.91	1,688.29	159.62	11.577		
9,500.00	7,064.47	9,731.37	7,080.96	82.28	82.82	-90.51	-1,977.26	-1,368.79	1,847.18	1,682.46	164.72	11.214		
9,600.00	7,064.70	9,831.36	7,081.78	84.87	85.35	-90.53	-1,977.05	-1,468.78	1,846.45	1,676.60	169.86	10.871		
9,700.00	7,064.93	9,931.36	7,082.61	87.47	87.91	-90.55	-1,976.84	-1,568.77	1,845.73	1,670.69	175.03	10.545		
9,800.00	7,065.16	10,031.36	7,083.44	90.09	90.48	-90.57	-1,976.63	-1,668.77	1,845.00	1,664.76	180.24	10.236		
9,900.00	7,065.39	10,131.35	7,084.26	92.73	93.07	-90.59	-1,976.42	-1,768.76	1,844.27	1,658.79	185.48	9.943		
10,000.00	7,065.62	10,231.35	7,085.09	95.38	95.68	-90.60	-1,976.21	-1,868.75	1,843.54	1,652.80	190.75	9.665		
10,100.00	7,065.85	10,331.34	7,085.91	98.04	98.30	-90.62	-1,976.00	-1,968.74	1,842.82	1,646.78	196.04	9.400		
10,200.00	7,066.08	10,431.34	7,086.74	100.71	100.93	-90.64	-1,975.79	-2,068.73	1,842.09	1,640.74	201.35	9.149		
10,300.00	7,066.31	10,531.33	7,087.57	103.39	103.58	-90.66	-1,975.58	-2,168.73	1,841.36	1,634.68	206.69	8.909		
10,400.00	7,066.54	10,631.33	7,088.39	106.08	106.24	-90.68	-1,975.37	-2,268.72	1,840.64	1,628.60	212.04	8.681		
10,500.00	7,066.77	10,731.32	7,089.22	108.78	108.91	-90.70	-1,975.16	-2,368.71	1,839.91	1,622.50	217.42	8.463		
10,600.00	7,067.01	10,831.32	7,090.04	111.48	111.59	-90.72	-1,974.95	-2,468.70	1,839.19	1,616.38	222.81	8.255		
10,700.00	7,067.24	10,931.32	7,090.87	114.20	114.27	-90.74	-1,974.75	-2,568.69	1,838.46	1,610.25	228.21	8.056		
10,800.00	7,067.47	11,031.31	7,091.69	116.92	116.97	-90.75	-1,974.54	-2,668.68	1,837.74	1,604.10	233.63	7.866		
10,900.00	7,067.70	11,131.31	7,092.52	119.65	119.68	-90.77	-1,974.33	-2,768.68	1,837.01	1,597.94	239.07	7.684		
11,000.00	7,067.93	11,231.30	7,093.35	122.38	122.39	-90.79	-1,974.12	-2,868.67	1,836.29	1,591.77	244.52	7.510		
11,100.00	7,068.16	11,331.30	7,094.17	125.12	125.11	-90.81	-1,973.91	-2,968.66	1,835.56	1,585.58	249.98	7.343		
11,200.00	7,068.39	11,431.29	7,095.00	127.86	127.83	-90.83	-1,973.70	-3,068.65	1,834.84	1,579.39	255.45	7.183		
11,300.00	7,068.62	11,531.29	7,095.82	130.61	130.56	-90.85	-1,973.49	-3,168.64	1,834.11	1,573.18	260.93	7.029		
11,400.00	7,068.85	11,631.28	7,096.65	133.37	133.30	-90.87	-1,973.28	-3,268.64	1,833.39	1,566.97	266.42	6.882		
11,500.00	7,069.08	11,731.28	7,097.48	136.12	136.04	-90.89	-1,973.07	-3,368.63	1,832.66	1,560.74	271.92	6.740		
11,600.00	7,069.31	11,831.28	7,098.30	138.89	138.78	-90.91	-1,972.86	-3,468.62	1,831.94	1,554.51	277.43	6.603		
11,700.00	7,069.54	11,931.27	7,099.13	141.65	141.53	-90.92	-1,972.65	-3,568.61	1,831.22	1,548.27	282.94	6.472		
11,800.00	7,069.77	12,031.27	7,099.95	144.42	144.29	-90.94	-1,972.44	-3,668.60	1,830.49	1,542.02	288.47	6.346		
11,900.00	7,070.00	12,131.26	7,100.78	147.19	147.05	-90.96	-1,972.24	-3,768.60	1,829.77	1,535.77	294.00	6.224		
12,000.00	7,070.23	12,231.26	7,101.60	149.97	149.81	-90.98	-1,972.03	-3,868.59	1,829.05	1,529.51	299.54	6.106		
12,100.00	7,070.46	12,331.25	7,102.43	152.75	152.58	-91.00	-1,971.82	-3,968.58	1,828.32	1,523.24	305.08	5.993		
12,200.00	7,070.69	12,431.25	7,103.26	155.53	155.35	-91.02	-1,971.61	-4,068.57	1,827.60	1,516.97	310.64	5.883		
12,300.00	7,070.92	12,531.24	7,104.08	158.32	158.12	-91.04	-1,971.40	-4,168.56	1,826.88	1,510.69	316.19	5.778		
12,400.00	7,071.16	12,631.24	7,104.91	161.10	160.90	-91.06	-1,971.19	-4,268.56	1,826.16	1,504.40	321.75	5.676		
12,500.00	7,071.39	12,731.23	7,105.73	163.89	163.68	-91.08	-1,970.98	-4,368.55	1,825.44	1,498.11	327.32	5.577		
12,600.00	7,071.62	12,831.23	7,106.56	166.69	166.46	-91.10	-1,970.77	-4,468.54	1,824.71	1,491.82	332.89	5.481		
12,700.00	7,071.85	12,931.23	7,107.39	169.48	169.25	-91.12	-1,970.56	-4,568.53	1,823.99	1,485.52	338.47	5.389		
12,800.00	7,072.08	13,031.22	7,108.21	172.28	172.03	-91.13	-1,970.35	-4,668.52	1,823.27	1,479.22	344.05	5.299		
12,900.00	7,072.31	13,131.22	7,109.04	175.08	174.82	-91.15	-1,970.14	-4,768.51	1,822.55	1,472.91	349.64	5.213		
13,000.00	7,072.54	13,231.21	7,109.86	177.88	177.62	-91.17	-1,969.93	-4,868.51	1,821.83	1,466.60	355.23	5.129		
13,100.00	7,072.77	13,331.21	7,110.69	180.68	180.41	-91.19	-1,969.73	-4,968.50	1,821.11	1,460.29	360.82	5.047		
13,144.52	7,072.87	13,375.73	7,111.06	181.93	181.65	-91.20	-1,969.63	-5,013.02	1,820.79	1,457.47	363.31	5.012		
13,200.00	7,073.00	13,368.87	7,111.00	183.48	181.46	-91.20	-1,969.65	-5,006.15	1,821.45	1,457.13	364.33	4.999		
13,300.00	7,073.23	13,368.87	7,111.00	186.29	181.46	-91.20	-1,969.65	-5,006.15	1,826.89	1,461.18	365.72	4.995 SF		
13,400.00	7,073.46	13,368.87	7,111.00	189.09	181.46	-91.20	-1,969.65	-5,006.15	1,837.77	1,471.71	366.05	5.020		
13,500.00	7,073.69	13,368.87	7,111.00	191.90	181.46	-91.20	-1,969.65	-5,006.15	1,853.98	1,488.60	365.38	5.074		
13,600.00	7,073.92	13,368.87	7,111.00	194.71	181.46	-91.20	-1,969.65	-5,006.15	1,875.39	1,511.64	363.75	5.156		
13,700.00	7,074.15	13,368.87	7,111.00	197.52	181.46	-91.20	-1,969.65	-5,006.15	1,901.82	1,540.58	361.24	5.265		
13,800.00	7,074.38	13,368.87	7,111.00	200.34	181.46	-91.20	-1,969.65	-5,006.15	1,933.07	1,575.12	357.95	5.400		
13,900.00	7,074.61	13,368.87	7,111.00	203.15	181.46	-91.20	-1,969.65	-5,006.15	1,968.91	1,614.93	353.98	5.562		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	13,368.87	7,111.00	205.97	181.46	-91.20	-1,969.65	-5,006.15	2,009.09	1,659.66	349.43	5.750		
14,100.00	7,075.07	13,368.87	7,111.00	208.78	181.46	-91.20	-1,969.65	-5,006.15	2,053.36	1,708.94	344.42	5.962		
14,200.00	7,075.30	13,368.87	7,111.00	211.60	181.46	-91.20	-1,969.65	-5,006.15	2,101.46	1,762.43	339.03	6.198		
14,300.00	7,075.54	13,368.87	7,111.00	214.42	181.46	-91.20	-1,969.65	-5,006.15	2,153.13	1,819.77	333.37	6.459		
14,400.00	7,075.77	13,368.87	7,111.00	217.24	181.46	-91.20	-1,969.65	-5,006.15	2,208.13	1,880.62	327.51	6.742		
14,500.00	7,076.00	13,368.87	7,111.00	220.06	181.46	-91.20	-1,969.65	-5,006.15	2,266.20	1,944.67	321.53	7.048		
14,600.00	7,076.23	13,368.87	7,111.00	222.88	181.46	-91.20	-1,969.65	-5,006.15	2,327.13	2,011.63	315.50	7.376		
14,700.00	7,076.46	13,368.87	7,111.00	225.70	181.46	-91.20	-1,969.65	-5,006.15	2,390.68	2,081.22	309.46	7.725		
14,800.00	7,076.69	13,368.87	7,111.00	228.53	181.46	-91.20	-1,969.65	-5,006.15	2,456.66	2,153.19	303.47	8.095		
14,900.00	7,076.92	13,368.87	7,111.00	231.35	181.46	-91.20	-1,969.65	-5,006.15	2,524.89	2,227.33	297.56	8.485		
15,000.00	7,077.15	13,368.87	7,111.00	234.18	181.46	-91.20	-1,969.65	-5,006.15	2,595.17	2,303.41	291.75	8.895		
15,100.00	7,077.38	13,368.87	7,111.00	237.00	181.46	-91.20	-1,969.65	-5,006.15	2,667.35	2,381.27	286.08	9.324		
15,200.00	7,077.61	13,368.87	7,111.00	239.83	181.46	-91.20	-1,969.65	-5,006.15	2,741.27	2,460.72	280.55	9.771		
15,300.00	7,077.84	13,368.87	7,111.00	242.66	181.46	-91.20	-1,969.65	-5,006.15	2,816.81	2,541.63	275.18	10.236		
15,400.00	7,078.07	13,368.87	7,111.00	245.49	181.46	-91.20	-1,969.65	-5,006.15	2,893.83	2,623.86	269.98	10.719		
15,500.00	7,078.30	13,368.87	7,111.00	248.31	181.46	-91.20	-1,969.65	-5,006.15	2,972.22	2,707.28	264.94	11.218		
15,600.00	7,078.53	13,368.87	7,111.00	251.14	181.46	-91.20	-1,969.65	-5,006.15	3,051.88	2,791.79	260.08	11.734		
15,700.00	7,078.76	13,368.87	7,111.00	253.97	181.46	-91.20	-1,969.65	-5,006.15	3,132.70	2,877.30	255.40	12.266		
15,800.00	7,078.99	13,368.87	7,111.00	256.80	181.46	-91.20	-1,969.65	-5,006.15	3,214.60	2,963.71	250.89	12.813		
15,900.00	7,079.22	13,368.87	7,111.00	259.64	181.46	-91.20	-1,969.65	-5,006.15	3,297.50	3,050.95	246.55	13.375		
16,000.00	7,079.45	13,368.87	7,111.00	262.47	181.46	-91.20	-1,969.65	-5,006.15	3,381.32	3,138.95	242.37	13.951		
16,100.00	7,079.69	13,368.87	7,111.00	265.30	181.46	-91.20	-1,969.65	-5,006.15	3,466.00	3,227.64	238.36	14.541		
16,200.00	7,079.92	13,368.87	7,111.00	268.13	181.46	-91.20	-1,969.65	-5,006.15	3,551.48	3,316.98	234.51	15.145		
16,300.00	7,080.15	13,368.87	7,111.00	270.97	181.46	-91.20	-1,969.65	-5,006.15	3,637.70	3,406.90	230.80	15.761		
16,400.00	7,080.38	13,368.87	7,111.00	273.80	181.46	-91.20	-1,969.65	-5,006.15	3,724.61	3,497.36	227.25	16.390		
16,500.00	7,080.61	13,368.87	7,111.00	276.64	181.46	-91.20	-1,969.65	-5,006.15	3,812.16	3,588.32	223.84	17.031		
16,600.00	7,080.84	13,368.87	7,111.00	279.47	181.46	-91.20	-1,969.65	-5,006.15	3,900.31	3,679.75	220.56	17.684		
16,700.00	7,081.07	13,368.87	7,111.00	282.31	181.46	-91.20	-1,969.65	-5,006.15	3,989.02	3,771.60	217.41	18.348		
16,800.00	7,081.30	13,368.87	7,111.00	285.14	181.46	-91.20	-1,969.65	-5,006.15	4,078.25	3,863.86	214.39	19.023		
16,900.00	7,081.53	13,368.87	7,111.00	287.98	181.46	-91.20	-1,969.65	-5,006.15	4,167.96	3,956.48	211.49	19.708		
17,000.00	7,081.76	13,368.87	7,111.00	290.82	181.46	-91.20	-1,969.65	-5,006.15	4,258.14	4,049.44	208.70	20.403		
17,100.00	7,081.99	13,368.87	7,111.00	293.65	181.46	-91.20	-1,969.65	-5,006.15	4,348.75	4,142.73	206.02	21.108		
17,200.00	7,082.22	13,368.87	7,111.00	296.49	181.46	-91.20	-1,969.65	-5,006.15	4,439.76	4,236.31	203.45	21.823		
17,300.00	7,082.45	13,368.87	7,111.00	299.33	181.46	-91.20	-1,969.65	-5,006.15	4,531.15	4,330.18	200.97	22.546		
17,400.00	7,082.68	13,368.87	7,111.00	302.17	181.46	-91.20	-1,969.65	-5,006.15	4,622.89	4,424.30	198.59	23.278		
17,500.00	7,082.91	13,368.87	7,111.00	305.01	181.46	-91.20	-1,969.65	-5,006.15	4,714.98	4,518.67	196.31	24.018		
17,600.00	7,083.14	13,368.87	7,111.00	307.85	181.46	-91.20	-1,969.65	-5,006.15	4,807.37	4,613.27	194.11	24.767		
17,700.00	7,083.37	13,368.87	7,111.00	310.69	181.46	-91.20	-1,969.65	-5,006.15	4,900.07	4,708.08	191.99	25.522		
17,800.00	7,083.60	13,368.87	7,111.00	313.53	181.46	-91.20	-1,969.65	-5,006.15	4,993.05	4,803.09	189.95	26.286		
17,900.00	7,083.84	13,368.87	7,111.00	316.37	181.46	-91.20	-1,969.65	-5,006.15	5,086.29	4,898.30	187.99	27.056		
18,000.00	7,084.07	13,368.87	7,111.00	319.21	181.46	-91.20	-1,969.65	-5,006.15	5,179.79	4,993.69	186.10	27.833		
18,100.00	7,084.30	13,368.87	7,111.00	322.05	181.46	-91.20	-1,969.65	-5,006.15	5,273.52	5,089.24	184.28	28.616		
18,200.00	7,084.53	13,368.87	7,111.00	324.89	181.46	-91.20	-1,969.65	-5,006.15	5,367.49	5,184.96	182.53	29.406		
18,300.00	7,084.76	13,368.87	7,111.00	327.73	181.46	-91.20	-1,969.65	-5,006.15	5,461.66	5,280.82	180.84	30.202		
18,400.00	7,084.99	13,368.87	7,111.00	330.57	181.46	-91.20	-1,969.65	-5,006.15	5,556.04	5,376.83	179.21	31.003		
18,500.00	7,085.22	13,368.87	7,111.00	333.41	181.46	-91.20	-1,969.65	-5,006.15	5,650.61	5,472.97	177.64	31.809		
18,600.00	7,085.45	13,368.87	7,111.00	336.26	181.46	-91.20	-1,969.65	-5,006.15	5,745.37	5,569.25	176.12	32.621		
18,700.00	7,085.68	13,368.87	7,111.00	339.10	181.46	-91.20	-1,969.65	-5,006.15	5,840.30	5,665.64	174.66	33.438		
18,800.00	7,085.91	13,368.87	7,111.00	341.94	181.46	-91.20	-1,969.65	-5,006.15	5,935.40	5,762.15	173.25	34.259		
18,839.14	7,086.00	13,368.87	7,111.00	343.06	181.46	-91.20	-1,969.65	-5,006.15	5,972.67	5,799.96	172.71	34.582		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.51	-194.90	-1.67	194.91					
100.00	100.00	100.00	100.00	3.28	3.28	-179.51	-194.90	-1.67	194.91	188.34	6.57	29.669		
200.00	200.00	200.00	200.00	3.34	3.34	-179.51	-194.90	-1.67	194.91	188.23	6.67	29.204		
300.00	300.00	300.00	300.00	3.44	3.44	-179.51	-194.90	-1.67	194.91	188.02	6.89	28.289 CC, ES		
400.00	399.98	394.18	394.17	3.60	3.59	85.24	-196.30	-1.02	196.24	189.05	7.19	27.284		
500.00	499.84	488.21	488.08	3.80	3.76	85.99	-200.51	0.93	200.27	192.69	7.58	26.417		
600.00	599.45	581.93	581.48	4.04	3.98	87.17	-207.48	4.16	207.07	199.02	8.05	25.722		
700.00	698.70	675.20	674.13	4.31	4.22	88.67	-217.16	8.65	216.73	208.14	8.59	25.241		
800.00	797.47	767.87	765.79	4.62	4.49	90.40	-229.48	14.37	229.35	220.18	9.18	24.990		
900.00	895.62	859.80	856.24	4.97	4.79	92.23	-244.36	21.27	245.04	235.22	9.82	24.958		
980.89	974.49	933.53	928.38	5.27	5.06	93.72	-258.19	27.68	260.02	249.66	10.36	25.089		
1,000.00	993.07	950.87	945.28	5.34	5.12	94.13	-261.69	29.30	263.86	253.36	10.50	25.137		
1,100.00	1,090.26	1,041.19	1,032.95	5.75	5.47	95.90	-281.40	38.45	285.59	274.37	11.22	25.457		
1,200.00	1,187.45	1,130.74	1,119.15	6.17	5.85	97.08	-303.41	48.65	309.92	297.96	11.96	25.904		
1,300.00	1,284.64	1,219.36	1,203.66	6.62	6.25	97.78	-327.58	59.86	336.66	323.93	12.73	26.444		
1,400.00	1,381.83	1,306.88	1,286.27	7.07	6.67	98.08	-353.77	72.01	365.68	352.17	13.51	27.062		
1,500.00	1,479.01	1,393.16	1,366.83	7.54	7.12	98.08	-381.83	85.02	396.90	382.60	14.31	27.745		
1,600.00	1,576.20	1,478.09	1,445.17	8.02	7.58	97.84	-411.57	98.82	430.28	415.17	15.10	28.487		
1,700.00	1,673.39	1,561.55	1,521.17	8.50	8.07	97.43	-442.85	113.32	465.77	449.86	15.90	29.286		
1,800.00	1,770.58	1,643.44	1,594.74	8.99	8.57	96.89	-475.47	128.45	503.35	486.65	16.70	30.144		
1,900.00	1,867.77	1,734.33	1,675.70	9.48	9.15	96.26	-512.93	145.82	542.20	524.58	17.61	30.786		
2,000.00	1,964.96	1,826.31	1,757.64	9.98	9.76	95.70	-550.85	163.41	581.10	562.54	18.56	31.317		
2,100.00	2,062.15	1,918.30	1,839.58	10.49	10.38	95.22	-588.78	181.00	620.04	600.53	19.51	31.774		
2,200.00	2,159.34	2,010.28	1,921.52	10.99	11.01	94.79	-626.70	198.58	659.02	638.54	20.49	32.171		
2,300.00	2,256.53	2,102.27	2,003.45	11.50	11.65	94.41	-664.62	216.17	698.03	676.56	21.47	32.516		
2,400.00	2,353.71	2,205.75	2,083.39	12.01	12.38	94.07	-702.55	233.76	737.06	714.53	22.53	32.720		
2,500.00	2,450.90	2,286.24	2,167.33	12.53	12.95	93.76	-740.47	251.35	776.11	752.65	23.46	33.085		
2,600.00	2,548.09	2,378.23	2,249.27	13.04	13.61	93.48	-778.40	268.93	815.17	790.71	24.46	33.320		
2,700.00	2,645.28	2,470.21	2,331.21	13.56	14.27	93.23	-816.32	286.52	854.25	828.77	25.48	33.530		
2,800.00	2,742.47	2,562.20	2,413.14	14.08	14.94	93.00	-854.24	304.11	893.35	866.85	26.50	33.716		
2,900.00	2,839.66	2,654.18	2,495.08	14.60	15.61	92.79	-892.17	321.70	932.45	904.93	27.52	33.883		
3,000.00	2,936.85	2,746.17	2,577.02	15.12	16.29	92.60	-930.09	339.28	971.56	943.02	28.55	34.034		
3,100.00	3,034.04	2,838.15	2,658.96	15.65	16.96	92.42	-968.01	356.87	1,010.69	981.11	29.58	34.169		
3,200.00	3,131.22	2,930.14	2,740.89	16.17	17.64	92.26	-1,005.94	374.46	1,049.82	1,019.20	30.61	34.292		
3,300.00	3,228.41	3,022.12	2,822.83	16.69	18.32	92.10	-1,043.86	392.05	1,088.95	1,057.30	31.65	34.404		
3,400.00	3,325.60	3,114.11	2,904.77	17.22	19.01	91.96	-1,081.79	409.63	1,128.10	1,095.40	32.69	34.505		
3,500.00	3,422.79	3,206.10	2,986.71	17.75	19.69	91.83	-1,119.71	427.22	1,167.25	1,133.51	33.74	34.598		
3,600.00	3,519.98	3,301.92	3,068.65	18.27	20.41	91.70	-1,157.63	444.81	1,206.40	1,171.59	34.81	34.659		
3,700.00	3,617.17	3,409.93	3,150.58	18.80	21.22	91.59	-1,195.56	462.40	1,245.56	1,209.60	35.96	34.641		
3,800.00	3,714.36	3,482.05	3,232.52	19.33	21.76	91.48	-1,233.48	479.98	1,284.72	1,247.84	36.88	34.832		
3,900.00	3,811.55	3,574.04	3,314.46	19.86	22.45	91.37	-1,271.40	497.57	1,323.89	1,285.95	37.94	34.899		
4,000.00	3,908.74	3,666.02	3,396.40	20.39	23.14	91.28	-1,309.33	515.16	1,363.06	1,324.07	38.99	34.960		
4,100.00	4,005.92	3,758.01	3,478.34	20.92	23.84	91.19	-1,347.25	532.75	1,402.23	1,362.19	40.04	35.016		
4,200.00	4,103.11	3,849.99	3,560.27	21.45	24.53	91.10	-1,385.18	550.33	1,441.41	1,400.31	41.10	35.069		
4,300.00	4,200.30	3,941.98	3,642.21	21.98	25.22	91.02	-1,423.10	567.92	1,480.59	1,438.43	42.16	35.118		
4,400.00	4,297.49	4,033.97	3,724.15	22.51	25.92	90.94	-1,461.02	585.51	1,519.77	1,476.55	43.22	35.163		
4,500.00	4,394.68	4,125.95	3,806.09	23.04	26.62	90.86	-1,498.95	603.10	1,558.95	1,514.67	44.28	35.206		
4,600.00	4,491.87	4,217.94	3,888.02	23.57	27.31	90.79	-1,536.87	620.68	1,598.13	1,552.79	45.34	35.246		
4,700.00	4,589.06	4,309.92	3,969.96	24.10	28.01	90.73	-1,574.79	638.27	1,637.32	1,590.92	46.41	35.283		
4,800.00	4,686.25	4,401.91	4,051.90	24.64	28.71	90.66	-1,612.72	655.86	1,676.51	1,629.04	47.47	35.318		
4,900.00	4,783.43	4,493.89	4,133.84	25.17	29.41	90.60	-1,650.64	673.45	1,715.70	1,667.17	48.53	35.350		
5,000.00	4,880.62	4,585.88	4,215.78	25.70	30.11	90.54	-1,688.57	691.03	1,754.89	1,705.29	49.60	35.381		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,677.86	4,297.71	26.23	30.80	90.49	-1,726.49	708.62	1,794.09	1,743.42	50.67	35.410		
5,200.00	5,075.00	4,769.85	4,379.65	26.77	31.50	90.44	-1,764.41	726.21	1,833.28	1,781.55	51.73	35.437		
5,300.00	5,172.19	4,861.83	4,461.59	27.30	32.20	90.38	-1,802.34	743.80	1,872.48	1,819.68	52.80	35.463		
5,400.00	5,269.38	4,953.82	4,543.53	27.83	32.91	90.34	-1,840.26	761.38	1,911.68	1,857.81	53.87	35.487		
5,457.75	5,325.51	5,006.94	4,590.85	28.14	33.31	90.31	-1,862.16	771.54	1,934.31	1,879.83	54.49	35.500		
5,500.00	5,366.64	5,045.80	4,625.46	28.37	33.61	90.64	-1,878.18	778.97	1,950.87	1,895.94	54.94	35.512		
5,600.00	5,464.53	5,137.69	4,707.31	28.87	34.31	91.34	-1,916.07	796.54	1,990.04	1,934.07	55.97	35.557		
5,700.00	5,563.07	5,229.37	4,788.98	29.35	35.01	91.95	-1,953.86	814.07	2,029.16	1,972.19	56.96	35.623		
5,800.00	5,662.15	5,320.73	4,870.36	29.80	35.70	92.46	-1,991.53	831.54	2,068.21	2,010.29	57.92	35.711		
5,900.00	5,761.64	5,411.67	4,951.36	30.23	36.40	92.88	-2,029.02	848.92	2,107.20	2,048.37	58.83	35.818		
6,000.00	5,861.42	5,502.06	5,031.88	30.64	37.09	93.22	-2,066.29	866.21	2,146.16	2,086.45	59.71	35.943		
6,100.00	5,961.36	5,608.20	5,111.82	31.02	37.90	93.48	-2,103.29	883.37	2,185.11	2,124.45	60.66	36.025		
6,138.64	6,000.00	5,626.28	5,142.53	31.16	38.03	-170.93	-2,117.50	889.96	2,200.16	2,139.30	60.87	36.147		
6,200.00	6,061.36	5,680.94	5,191.22	31.38	38.45	-171.31	-2,140.03	900.41	2,224.13	2,162.77	61.36	36.248		
6,300.00	6,161.36	5,770.01	5,270.57	31.74	39.13	-171.93	-2,176.76	917.44	2,263.37	2,201.20	62.16	36.410		
6,400.00	6,261.36	5,859.09	5,349.91	32.10	39.81	-172.53	-2,213.48	934.47	2,302.84	2,239.86	62.97	36.570		
6,500.00	6,361.36	5,948.17	5,429.26	32.46	40.49	-173.11	-2,250.21	951.50	2,342.52	2,278.74	63.78	36.727		
6,562.02	6,423.38	6,003.41	5,478.47	32.68	40.92	-173.45	-2,272.98	962.06	2,367.24	2,302.95	64.28	36.824		
6,600.00	6,461.34	6,037.01	5,508.40	32.82	41.17	-81.93	-2,286.84	968.49	2,382.29	2,317.70	64.58	36.887		
6,650.00	6,511.08	6,080.38	5,547.04	32.99	41.51	-80.43	-2,304.72	976.78	2,401.71	2,336.76	64.96	36.974		
6,700.00	6,560.29	6,122.54	5,584.59	33.17	41.83	-79.06	-2,322.10	984.84	2,420.66	2,355.35	65.32	37.060		
6,750.00	6,608.64	6,163.23	5,620.83	33.36	42.14	-77.81	-2,338.87	992.62	2,439.10	2,373.44	65.66	37.145		
6,800.00	6,655.86	6,202.18	5,655.53	33.56	42.44	-76.67	-2,354.93	1,000.07	2,457.01	2,391.00	66.00	37.227		
6,850.00	6,701.64	6,239.17	5,688.48	33.78	42.72	-75.61	-2,370.18	1,007.14	2,474.37	2,408.04	66.33	37.303		
6,900.00	6,745.71	6,273.96	5,719.47	34.01	42.99	-74.63	-2,384.53	1,013.79	2,491.18	2,424.53	66.66	37.374		
6,950.00	6,787.79	6,306.35	5,748.31	34.27	43.23	-73.71	-2,397.88	1,019.99	2,507.46	2,440.48	66.98	37.437		
7,000.00	6,827.62	6,336.12	5,774.84	34.56	43.46	-72.84	-2,410.15	1,025.68	2,523.19	2,455.90	67.30	37.492		
7,050.00	6,864.96	6,363.10	5,798.87	34.87	43.67	-72.00	-2,421.28	1,030.84	2,538.41	2,470.78	67.63	37.536		
7,100.00	6,899.58	6,387.12	5,820.26	35.21	43.85	-71.17	-2,431.18	1,035.43	2,553.10	2,485.15	67.96	37.569		
7,150.00	6,931.26	6,408.03	5,838.89	35.60	44.01	-70.36	-2,439.80	1,039.43	2,567.28	2,498.98	68.30	37.589		
7,200.00	6,959.81	6,425.71	5,854.64	36.02	44.15	-69.53	-2,447.09	1,042.81	2,580.95	2,512.30	68.65	37.594		
7,250.00	6,985.06	6,440.04	5,867.40	36.47	44.26	-68.70	-2,453.00	1,045.55	2,594.09	2,525.07	69.02	37.585		
7,300.00	7,006.84	6,450.93	5,877.11	36.97	44.34	-67.86	-2,457.49	1,047.63	2,606.69	2,537.29	69.40	37.560		
7,350.00	7,025.02	6,458.33	5,883.70	37.51	44.40	-66.99	-2,460.54	1,049.04	2,618.72	2,548.93	69.80	37.520		
7,400.00	7,039.49	6,462.18	5,887.13	38.09	44.43	-66.11	-2,462.13	1,049.78	2,630.15	2,559.95	70.20	37.466		
7,450.00	7,050.17	6,462.46	5,887.37	38.70	44.43	-65.21	-2,462.24	1,049.83	2,640.93	2,570.32	70.62	37.399		
7,500.00	7,056.98	6,459.16	5,884.44	39.33	44.40	-64.30	-2,460.88	1,049.20	2,651.01	2,579.98	71.03	37.321		
7,550.00	7,059.89	6,452.32	5,878.34	39.99	44.35	-63.38	-2,458.06	1,047.89	2,660.31	2,588.86	71.45	37.233		
7,560.55	7,060.00	6,450.42	5,876.65	40.13	44.34	-63.19	-2,457.28	1,047.53	2,662.17	2,590.63	71.54	37.214		
7,600.00	7,060.09	6,443.05	5,870.08	40.67	44.28	-63.03	-2,454.24	1,046.12	2,669.31	2,597.44	71.87	37.140		
7,700.00	7,060.32	6,424.35	5,853.43	42.14	44.14	-62.63	-2,446.53	1,042.55	2,689.83	2,617.03	72.80	36.946		
7,800.00	7,060.55	6,405.65	5,836.77	43.75	43.99	-62.23	-2,438.82	1,038.97	2,713.76	2,639.93	73.83	36.756		
7,900.00	7,060.78	6,386.95	5,820.12	45.48	43.85	-61.83	-2,431.11	1,035.40	2,741.00	2,666.07	74.93	36.581		
8,000.00	7,061.01	6,368.25	5,803.46	47.33	43.71	-61.43	-2,423.40	1,031.82	2,771.46	2,695.38	76.08	36.429		
8,100.00	7,061.24	6,349.55	5,786.80	49.27	43.56	-61.03	-2,415.69	1,028.25	2,805.03	2,727.77	77.26	36.308		
8,200.00	7,061.47	6,330.86	5,770.15	51.29	43.42	-60.63	-2,407.98	1,024.67	2,841.60	2,763.15	78.45	36.221		
8,300.00	7,061.70	6,312.16	5,753.49	53.40	43.28	-60.23	-2,400.28	1,021.10	2,881.06	2,801.41	79.65	36.172		
8,400.00	7,061.93	6,306.54	5,736.84	55.57	43.24	-59.83	-2,392.57	1,017.52	2,923.28	2,842.37	80.91	36.129		
8,500.00	7,062.16	9,257.44	7,237.46	57.80	63.70	-93.40	-3,078.05	-371.77	2,958.34	2,840.41	117.93	25.085		
8,600.00	7,062.39	9,357.44	7,238.04	60.08	65.55	-93.40	-3,077.79	-471.77	2,957.58	2,835.22	122.36	24.172		
8,700.00	7,062.63	9,457.43	7,238.62	62.42	67.49	-93.41	-3,077.52	-571.76	2,956.82	2,829.93	126.88	23.304		
8,800.00	7,062.86	9,557.43	7,239.21	64.79	69.53	-93.42	-3,077.26	-671.76	2,956.05	2,824.55	131.50	22.480		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,657.43	7,239.79	67.20	71.64	-93.43	-3,077.00	-771.75	2,955.29	2,819.09	136.20	21.698		
9,000.00	7,063.32	9,757.42	7,240.37	69.65	73.82	-93.43	-3,076.74	-871.75	2,954.53	2,813.55	140.97	20.958		
9,100.00	7,063.55	9,857.42	7,240.95	72.12	76.05	-93.44	-3,076.48	-971.74	2,953.76	2,807.95	145.82	20.257		
9,200.00	7,063.78	9,957.41	7,241.53	74.63	78.34	-93.45	-3,076.22	-1,071.73	2,953.00	2,802.28	150.72	19.593		
9,300.00	7,064.01	10,057.41	7,242.11	77.16	80.68	-93.46	-3,075.96	-1,171.73	2,952.24	2,796.56	155.68	18.964		
9,400.00	7,064.24	10,157.41	7,242.69	79.71	83.05	-93.47	-3,075.70	-1,271.72	2,951.48	2,790.79	160.68	18.368		
9,500.00	7,064.47	10,257.40	7,243.27	82.28	85.46	-93.47	-3,075.44	-1,371.72	2,950.71	2,784.98	165.73	17.804		
9,600.00	7,064.70	10,357.40	7,243.85	84.87	87.90	-93.48	-3,075.17	-1,471.71	2,949.95	2,779.12	170.83	17.269		
9,700.00	7,064.93	10,457.40	7,244.43	87.47	90.37	-93.49	-3,074.91	-1,571.71	2,949.19	2,773.23	175.96	16.761		
9,800.00	7,065.16	10,557.39	7,245.01	90.09	92.86	-93.50	-3,074.65	-1,671.70	2,948.43	2,767.30	181.12	16.278		
9,900.00	7,065.39	10,657.39	7,245.60	92.73	95.38	-93.50	-3,074.39	-1,771.69	2,947.66	2,761.34	186.32	15.820		
10,000.00	7,065.62	10,757.39	7,246.18	95.38	97.92	-93.51	-3,074.13	-1,871.69	2,946.90	2,755.35	191.55	15.385		
10,100.00	7,065.85	10,857.38	7,246.76	98.04	100.48	-93.52	-3,073.87	-1,971.68	2,946.14	2,749.34	196.80	14.970		
10,200.00	7,066.08	10,957.38	7,247.34	100.71	103.06	-93.53	-3,073.61	-2,071.68	2,945.38	2,743.30	202.08	14.576		
10,300.00	7,066.31	11,057.37	7,247.92	103.39	105.65	-93.54	-3,073.35	-2,171.67	2,944.62	2,737.24	207.38	14.199		
10,400.00	7,066.54	11,157.37	7,248.50	106.08	108.26	-93.54	-3,073.08	-2,271.67	2,943.85	2,731.15	212.70	13.841		
10,500.00	7,066.77	11,257.37	7,249.08	108.78	110.88	-93.55	-3,072.82	-2,371.66	2,943.09	2,725.05	218.04	13.498		
10,600.00	7,067.01	11,357.36	7,249.66	111.48	113.51	-93.56	-3,072.56	-2,471.65	2,942.33	2,718.93	223.40	13.171		
10,700.00	7,067.24	11,457.36	7,250.24	114.20	116.16	-93.57	-3,072.30	-2,571.65	2,941.57	2,712.79	228.77	12.858		
10,800.00	7,067.47	11,557.36	7,250.82	116.92	118.81	-93.57	-3,072.04	-2,671.64	2,940.81	2,706.64	234.16	12.559		
10,900.00	7,067.70	11,657.35	7,251.41	119.65	121.48	-93.58	-3,071.78	-2,771.64	2,940.04	2,700.47	239.57	12.272		
11,000.00	7,067.93	11,757.35	7,251.99	122.38	124.15	-93.59	-3,071.52	-2,871.63	2,939.28	2,694.29	244.99	11.998		
11,100.00	7,068.16	11,857.34	7,252.57	125.12	126.84	-93.60	-3,071.26	-2,971.63	2,938.52	2,688.10	250.42	11.734		
11,200.00	7,068.39	11,957.34	7,253.15	127.86	129.53	-93.60	-3,070.99	-3,071.62	2,937.76	2,681.90	255.86	11.482		
11,300.00	7,068.62	12,057.34	7,253.73	130.61	132.23	-93.61	-3,070.73	-3,171.61	2,937.00	2,675.68	261.32	11.239		
11,400.00	7,068.85	12,157.33	7,254.31	133.37	134.94	-93.62	-3,070.47	-3,271.61	2,936.23	2,669.45	266.78	11.006		
11,500.00	7,069.08	12,257.33	7,254.89	136.12	137.65	-93.63	-3,070.21	-3,371.60	2,935.47	2,663.22	272.26	10.782		
11,600.00	7,069.31	12,357.33	7,255.47	138.89	140.37	-93.64	-3,069.95	-3,471.60	2,934.71	2,656.97	277.74	10.566		
11,700.00	7,069.54	12,457.32	7,256.05	141.65	143.09	-93.64	-3,069.69	-3,571.59	2,933.95	2,650.71	283.24	10.359		
11,800.00	7,069.77	12,557.32	7,256.63	144.42	145.82	-93.65	-3,069.43	-3,671.59	2,933.19	2,644.45	288.74	10.159		
11,900.00	7,070.00	12,657.32	7,257.22	147.19	148.56	-93.66	-3,069.17	-3,771.58	2,932.43	2,638.18	294.25	9.966		
12,000.00	7,070.23	12,757.31	7,257.80	149.97	151.30	-93.67	-3,068.90	-3,871.57	2,931.67	2,631.90	299.76	9.780		
12,100.00	7,070.46	12,857.31	7,258.38	152.75	154.04	-93.68	-3,068.64	-3,971.57	2,930.91	2,625.62	305.29	9.601		
12,200.00	7,070.69	12,957.30	7,258.96	155.53	156.79	-93.68	-3,068.38	-4,071.56	2,930.14	2,619.33	310.82	9.427		
12,300.00	7,070.92	13,057.30	7,259.54	158.32	159.55	-93.69	-3,068.12	-4,171.56	2,929.38	2,613.03	316.35	9.260		
12,400.00	7,071.16	13,157.30	7,260.12	161.10	162.30	-93.70	-3,067.86	-4,271.55	2,928.62	2,606.73	321.89	9.098		
12,500.00	7,071.39	13,257.29	7,260.70	163.89	165.06	-93.71	-3,067.60	-4,371.55	2,927.86	2,600.42	327.44	8.942		
12,600.00	7,071.62	13,357.29	7,261.28	166.69	167.83	-93.71	-3,067.34	-4,471.54	2,927.10	2,594.11	332.99	8.790		
12,700.00	7,071.85	13,457.29	7,261.86	169.48	170.59	-93.72	-3,067.08	-4,571.53	2,926.34	2,587.79	338.55	8.644		
12,745.75	7,071.95	13,480.77	7,262.00	170.76	171.24	-93.72	-3,067.01	-4,595.02	2,926.08	2,585.67	340.41	8.596		
12,800.00	7,072.08	13,480.77	7,262.00	172.28	171.24	-93.72	-3,067.01	-4,595.02	2,926.58	2,584.91	341.67	8.565		
12,900.00	7,072.31	13,480.77	7,262.00	175.08	171.24	-93.72	-3,067.01	-4,595.02	2,930.14	2,586.42	343.72	8.525		
13,000.00	7,072.54	13,480.77	7,262.00	177.88	171.24	-93.72	-3,067.01	-4,595.02	2,937.10	2,591.72	345.38	8.504		
13,100.00	7,072.77	13,480.77	7,262.00	180.68	171.24	-93.72	-3,067.01	-4,595.02	2,947.44	2,600.78	346.66	8.502 SF		
13,200.00	7,073.00	13,480.77	7,262.00	183.48	171.24	-93.72	-3,067.01	-4,595.02	2,961.13	2,613.55	347.57	8.519		
13,300.00	7,073.23	13,480.77	7,262.00	186.29	171.24	-93.72	-3,067.01	-4,595.02	2,978.11	2,629.99	348.11	8.555		
13,400.00	7,073.46	13,480.77	7,262.00	189.09	171.24	-93.72	-3,067.01	-4,595.02	2,998.33	2,650.03	348.29	8.609		
13,500.00	7,073.69	13,480.77	7,262.00	191.90	171.24	-93.72	-3,067.01	-4,595.02	3,021.72	2,673.59	348.13	8.680		
13,600.00	7,073.92	13,480.77	7,262.00	194.71	171.24	-93.72	-3,067.01	-4,595.02	3,048.22	2,700.58	347.64	8.768		
13,700.00	7,074.15	13,480.77	7,262.00	197.52	171.24	-93.72	-3,067.01	-4,595.02	3,077.75	2,730.90	346.84	8.874		
13,800.00	7,074.38	13,480.77	7,262.00	200.34	171.24	-93.72	-3,067.01	-4,595.02	3,110.20	2,764.45	345.76	8.995		
13,900.00	7,074.61	13,480.77	7,262.00	203.15	171.24	-93.72	-3,067.01	-4,595.02	3,145.51	2,801.10	344.40	9.133		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	13,480.77	7,262.00	205.97	171.24	-93.72	-3,067.01	-4,595.02	3,183.56	2,840.76	342.81	9.287		
14,100.00	7,075.07	13,480.77	7,262.00	208.78	171.24	-93.72	-3,067.01	-4,595.02	3,224.27	2,883.28	340.99	9.456		
14,200.00	7,075.30	13,480.77	7,262.00	211.60	171.24	-93.72	-3,067.01	-4,595.02	3,267.53	2,928.56	338.97	9.640		
14,300.00	7,075.54	13,480.77	7,262.00	214.42	171.24	-93.72	-3,067.01	-4,595.02	3,313.25	2,976.47	336.78	9.838		
14,400.00	7,075.77	13,480.77	7,262.00	217.24	171.24	-93.72	-3,067.01	-4,595.02	3,361.32	3,026.88	334.43	10.051		
14,500.00	7,076.00	13,480.77	7,262.00	220.06	171.24	-93.72	-3,067.01	-4,595.02	3,411.64	3,079.69	331.96	10.277		
14,600.00	7,076.23	13,480.77	7,262.00	222.88	171.24	-93.72	-3,067.01	-4,595.02	3,464.13	3,134.76	329.37	10.518		
14,700.00	7,076.46	13,480.77	7,262.00	225.70	171.24	-93.72	-3,067.01	-4,595.02	3,518.67	3,191.99	326.68	10.771		
14,800.00	7,076.69	13,480.77	7,262.00	228.53	171.24	-93.72	-3,067.01	-4,595.02	3,575.17	3,251.26	323.92	11.037		
14,900.00	7,076.92	13,480.77	7,262.00	231.35	171.24	-93.72	-3,067.01	-4,595.02	3,633.55	3,312.46	321.09	11.316		
15,000.00	7,077.15	13,480.77	7,262.00	234.18	171.24	-93.72	-3,067.01	-4,595.02	3,693.72	3,375.50	318.22	11.607		
15,100.00	7,077.38	13,480.77	7,262.00	237.00	171.24	-93.72	-3,067.01	-4,595.02	3,755.58	3,440.26	315.32	11.910		
15,200.00	7,077.61	13,480.77	7,262.00	239.83	171.24	-93.72	-3,067.01	-4,595.02	3,819.07	3,506.67	312.40	12.225		
15,300.00	7,077.84	13,480.77	7,262.00	242.66	171.24	-93.72	-3,067.01	-4,595.02	3,884.09	3,574.62	309.47	12.551		
15,400.00	7,078.07	13,480.77	7,262.00	245.49	171.24	-93.72	-3,067.01	-4,595.02	3,950.57	3,644.03	306.54	12.888		
15,500.00	7,078.30	13,480.77	7,262.00	248.31	171.24	-93.72	-3,067.01	-4,595.02	4,018.43	3,714.82	303.61	13.235		
15,600.00	7,078.53	13,480.77	7,262.00	251.14	171.24	-93.72	-3,067.01	-4,595.02	4,087.62	3,786.92	300.71	13.593		
15,700.00	7,078.76	13,480.77	7,262.00	253.97	171.24	-93.72	-3,067.01	-4,595.02	4,158.07	3,860.25	297.82	13.962		
15,800.00	7,078.99	13,480.77	7,262.00	256.80	171.24	-93.72	-3,067.01	-4,595.02	4,229.70	3,934.74	294.97	14.340		
15,900.00	7,079.22	13,480.77	7,262.00	259.64	171.24	-93.72	-3,067.01	-4,595.02	4,302.47	4,010.32	292.14	14.727		
16,000.00	7,079.45	13,480.77	7,262.00	262.47	171.24	-93.72	-3,067.01	-4,595.02	4,376.31	4,086.95	289.36	15.124		
16,100.00	7,079.69	13,480.77	7,262.00	265.30	171.24	-93.72	-3,067.01	-4,595.02	4,451.17	4,164.56	286.62	15.530		
16,200.00	7,079.92	13,480.77	7,262.00	268.13	171.24	-93.72	-3,067.01	-4,595.02	4,527.00	4,243.09	283.92	15.945		
16,300.00	7,080.15	13,480.77	7,262.00	270.97	171.24	-93.72	-3,067.01	-4,595.02	4,603.76	4,322.50	281.26	16.368		
16,400.00	7,080.38	13,480.77	7,262.00	273.80	171.24	-93.72	-3,067.01	-4,595.02	4,681.40	4,402.74	278.66	16.800		
16,500.00	7,080.61	13,480.77	7,262.00	276.64	171.24	-93.72	-3,067.01	-4,595.02	4,759.87	4,483.76	276.10	17.239		
16,600.00	7,080.84	13,480.77	7,262.00	279.47	171.24	-93.72	-3,067.01	-4,595.02	4,839.13	4,565.53	273.60	17.687		
16,700.00	7,081.07	13,480.77	7,262.00	282.31	171.24	-93.72	-3,067.01	-4,595.02	4,919.15	4,648.00	271.15	18.142		
16,800.00	7,081.30	13,480.77	7,262.00	285.14	171.24	-93.72	-3,067.01	-4,595.02	4,999.89	4,731.14	268.75	18.604		
16,900.00	7,081.53	13,480.77	7,262.00	287.98	171.24	-93.72	-3,067.01	-4,595.02	5,081.31	4,814.91	266.40	19.074		
17,000.00	7,081.76	13,480.77	7,262.00	290.82	171.24	-93.72	-3,067.01	-4,595.02	5,163.39	4,899.28	264.11	19.550		
17,100.00	7,081.99	13,480.77	7,262.00	293.65	171.24	-93.72	-3,067.01	-4,595.02	5,246.09	4,984.22	261.86	20.034		
17,200.00	7,082.22	13,480.77	7,262.00	296.49	171.24	-93.72	-3,067.01	-4,595.02	5,329.38	5,069.71	259.67	20.523		
17,300.00	7,082.45	13,480.77	7,262.00	299.33	171.24	-93.72	-3,067.01	-4,595.02	5,413.24	5,155.70	257.53	21.020		
17,400.00	7,082.68	13,480.77	7,262.00	302.17	171.24	-93.72	-3,067.01	-4,595.02	5,497.63	5,242.19	255.45	21.522		
17,500.00	7,082.91	13,480.77	7,262.00	305.01	171.24	-93.72	-3,067.01	-4,595.02	5,582.55	5,329.14	253.41	22.030		
17,600.00	7,083.14	13,480.77	7,262.00	307.85	171.24	-93.72	-3,067.01	-4,595.02	5,667.95	5,416.53	251.42	22.544		
17,700.00	7,083.37	13,480.77	7,262.00	310.69	171.24	-93.72	-3,067.01	-4,595.02	5,753.83	5,504.34	249.48	23.063		
17,800.00	7,083.60	13,480.77	7,262.00	313.53	171.24	-93.72	-3,067.01	-4,595.02	5,840.15	5,592.56	247.59	23.588		
17,900.00	7,083.84	13,480.77	7,262.00	316.37	171.24	-93.72	-3,067.01	-4,595.02	5,926.91	5,681.16	245.75	24.118		
18,000.00	7,084.07	13,480.77	7,262.00	319.21	171.24	-93.72	-3,067.01	-4,595.02	6,014.07	5,770.12	243.95	24.653		
18,100.00	7,084.30	13,480.77	7,262.00	322.05	171.24	-93.72	-3,067.01	-4,595.02	6,101.63	5,859.44	242.20	25.193		
18,200.00	7,084.53	13,480.77	7,262.00	324.89	171.24	-93.72	-3,067.01	-4,595.02	6,189.57	5,949.08	240.49	25.738		
18,300.00	7,084.76	13,480.77	7,262.00	327.73	171.24	-93.72	-3,067.01	-4,595.02	6,277.87	6,039.05	238.82	26.287		
18,400.00	7,084.99	13,480.77	7,262.00	330.57	171.24	-93.72	-3,067.01	-4,595.02	6,366.51	6,129.31	237.20	26.841		
18,500.00	7,085.22	13,480.77	7,262.00	333.41	171.24	-93.72	-3,067.01	-4,595.02	6,455.49	6,219.87	235.61	27.399		
18,600.00	7,085.45	13,480.77	7,262.00	336.26	171.24	-93.72	-3,067.01	-4,595.02	6,544.78	6,310.71	234.07	27.961		
18,700.00	7,085.68	13,480.77	7,262.00	339.10	171.24	-93.72	-3,067.01	-4,595.02	6,634.38	6,401.81	232.57	28.527		
18,800.00	7,085.91	13,480.77	7,262.00	341.94	171.24	-93.72	-3,067.01	-4,595.02	6,724.27	6,493.17	231.10	29.097		
18,839.14	7,086.00	13,480.77	7,262.00	343.06	171.24	-93.72	-3,067.01	-4,595.02	6,759.54	6,529.00	230.54	29.321		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.56	-179.96	-1.39	179.97					
100.00	100.00	100.00	100.00	3.28	3.28	-179.56	-179.96	-1.39	179.97	173.40	6.57	27.395		
200.00	200.00	200.00	200.00	3.34	3.34	-179.56	-179.96	-1.39	179.97	173.29	6.67	26.965		
300.00	300.00	300.00	300.00	3.44	3.44	-179.56	-179.96	-1.39	179.97	173.08	6.89	26.121 CC, ES		
400.00	399.98	394.67	394.66	3.60	3.59	85.20	-181.36	-0.69	181.29	174.10	7.19	25.203		
500.00	499.84	489.20	489.06	3.80	3.77	85.99	-185.55	1.40	185.28	177.70	7.58	24.434		
600.00	599.45	583.43	582.96	4.04	3.98	87.21	-192.50	4.86	192.00	183.95	8.05	23.842		
700.00	698.70	677.22	676.13	4.31	4.23	88.77	-202.15	9.68	201.56	192.97	8.59	23.463		
800.00	797.47	770.43	768.32	4.62	4.50	90.55	-214.45	15.81	214.06	204.87	9.18	23.307		
900.00	895.62	862.94	859.32	4.97	4.81	92.42	-229.30	23.22	229.57	219.75	9.83	23.362		
980.89	974.49	937.15	931.91	5.27	5.07	93.93	-243.11	30.11	244.38	234.00	10.38	23.553		
1,000.00	993.07	954.61	948.93	5.34	5.14	94.35	-246.60	31.85	248.17	237.66	10.51	23.614		
1,100.00	1,090.26	1,045.57	1,037.18	5.75	5.49	96.09	-266.29	41.67	269.62	258.39	11.24	23.997		
1,200.00	1,187.45	1,135.76	1,123.96	6.17	5.87	97.20	-288.28	52.64	293.61	281.62	11.99	24.494		
1,300.00	1,284.64	1,225.03	1,209.04	6.62	6.28	97.80	-312.45	64.69	319.95	307.19	12.76	25.073		
1,400.00	1,381.83	1,313.21	1,292.22	7.07	6.71	97.99	-338.63	77.75	348.53	334.98	13.55	25.721		
1,500.00	1,479.01	1,400.16	1,373.31	7.54	7.16	97.86	-366.68	91.75	379.28	364.93	14.35	26.430		
1,600.00	1,576.20	1,485.74	1,452.18	8.02	7.63	97.50	-396.44	106.59	412.16	397.00	15.16	27.191		
1,700.00	1,673.39	1,569.85	1,528.68	8.50	8.12	96.97	-427.71	122.19	447.15	431.18	15.97	28.005		
1,800.00	1,770.58	1,657.39	1,607.32	8.99	8.66	96.30	-462.12	139.35	484.01	467.19	16.83	28.765		
1,900.00	1,867.77	1,750.07	1,690.42	9.48	9.26	95.67	-498.82	157.66	521.22	503.45	17.76	29.343		
2,000.00	1,964.96	1,842.74	1,773.53	9.98	9.87	95.11	-535.53	175.97	558.47	539.75	18.72	29.839		
2,100.00	2,062.15	1,935.42	1,856.63	10.49	10.49	94.63	-572.23	194.27	595.76	576.08	19.68	30.269		
2,200.00	2,159.34	2,028.09	1,939.73	10.99	11.12	94.20	-608.94	212.58	633.08	612.42	20.66	30.641		
2,300.00	2,256.53	2,120.77	2,022.84	11.50	11.75	93.83	-645.65	230.89	670.44	648.79	21.65	30.967		
2,400.00	2,353.71	2,213.45	2,105.94	12.01	12.40	93.49	-682.35	249.20	707.81	685.16	22.65	31.253		
2,500.00	2,450.90	2,306.12	2,189.05	12.53	13.05	93.18	-719.06	267.51	745.20	721.55	23.65	31.506		
2,600.00	2,548.09	2,401.20	2,272.15	13.04	13.72	92.90	-755.76	285.82	782.61	757.93	24.68	31.711		
2,700.00	2,645.28	2,508.53	2,355.26	13.56	14.49	92.65	-792.47	304.13	820.04	794.25	25.79	31.802		
2,800.00	2,742.47	2,584.15	2,438.36	14.08	15.03	92.42	-829.17	322.44	857.47	830.77	26.71	32.107		
2,900.00	2,839.66	2,676.83	2,521.47	14.60	15.70	92.21	-865.88	340.74	894.92	867.18	27.74	32.267		
3,000.00	2,936.85	2,769.50	2,604.57	15.12	16.37	92.02	-902.59	359.05	932.38	903.61	28.77	32.411		
3,100.00	3,034.04	2,862.18	2,687.67	15.65	17.04	91.84	-939.29	377.36	969.84	940.04	29.80	32.541		
3,200.00	3,131.22	2,954.86	2,770.78	16.17	17.72	91.68	-976.00	395.67	1,007.31	976.47	30.84	32.659		
3,300.00	3,228.41	3,047.53	2,853.88	16.69	18.40	91.53	-1,012.70	413.98	1,044.79	1,012.91	31.89	32.767		
3,400.00	3,325.60	3,140.21	2,936.99	17.22	19.08	91.38	-1,049.41	432.29	1,082.28	1,049.35	32.93	32.865		
3,500.00	3,422.79	3,232.88	3,020.09	17.75	19.76	91.25	-1,086.11	450.60	1,119.77	1,085.79	33.98	32.955		
3,600.00	3,519.98	3,325.56	3,103.20	18.27	20.44	91.13	-1,122.82	468.91	1,157.26	1,122.23	35.03	33.038		
3,700.00	3,617.17	3,418.24	3,186.30	18.80	21.12	91.01	-1,159.53	487.22	1,194.76	1,158.68	36.08	33.114		
3,800.00	3,714.36	3,510.91	3,269.40	19.33	21.81	90.90	-1,196.23	505.52	1,232.26	1,195.13	37.13	33.184		
3,900.00	3,811.55	3,603.59	3,352.51	19.86	22.49	90.80	-1,232.94	523.83	1,269.77	1,231.58	38.19	33.248		
4,000.00	3,908.74	3,696.26	3,435.61	20.39	23.18	90.70	-1,269.64	542.14	1,307.28	1,268.03	39.25	33.308		
4,100.00	4,005.92	3,788.94	3,518.72	20.92	23.87	90.61	-1,306.35	560.45	1,344.80	1,304.49	40.31	33.364		
4,200.00	4,103.11	3,881.62	3,601.82	21.45	24.56	90.52	-1,343.06	578.76	1,382.31	1,340.95	41.37	33.416		
4,300.00	4,200.30	3,974.29	3,684.93	21.98	25.25	90.44	-1,379.76	597.07	1,419.83	1,377.40	42.43	33.464		
4,400.00	4,297.49	4,066.97	3,768.03	22.51	25.94	90.36	-1,416.47	615.38	1,457.35	1,413.86	43.49	33.509		
4,500.00	4,394.68	4,159.65	3,851.14	23.04	26.63	90.29	-1,453.17	633.69	1,494.88	1,450.32	44.56	33.551		
4,600.00	4,491.87	4,252.32	3,934.24	23.57	27.32	90.22	-1,489.88	651.99	1,532.40	1,486.78	45.62	33.590		
4,700.00	4,589.06	4,345.00	4,017.34	24.10	28.01	90.15	-1,526.58	670.30	1,569.93	1,523.24	46.69	33.627		
4,800.00	4,686.25	4,437.67	4,100.45	24.64	28.71	90.09	-1,563.29	688.61	1,607.46	1,559.70	47.75	33.662		
4,900.00	4,783.43	4,530.35	4,183.55	25.17	29.40	90.02	-1,600.00	706.92	1,644.99	1,596.17	48.82	33.694		
5,000.00	4,880.62	4,623.03	4,266.66	25.70	30.09	89.97	-1,636.70	725.23	1,682.52	1,632.63	49.89	33.725		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,715.70	4,349.76	26.23	30.79	89.91	-1,673.41	743.54	1,720.06	1,669.10	50.96	33.754		
5,200.00	5,075.00	4,808.38	4,432.87	26.77	31.48	89.86	-1,710.11	761.85	1,757.59	1,705.56	52.03	33.781		
5,300.00	5,172.19	4,901.05	4,515.97	27.30	32.18	89.81	-1,746.82	780.16	1,795.13	1,742.03	53.10	33.807		
5,400.00	5,269.38	5,006.27	4,599.07	27.83	32.96	89.76	-1,783.52	798.47	1,832.66	1,778.41	54.25	33.782		
5,457.75	5,325.51	5,047.25	4,647.07	28.14	33.27	89.73	-1,804.72	809.04	1,854.34	1,799.55	54.79	33.845		
5,500.00	5,366.64	5,086.40	4,682.17	28.37	33.57	90.04	-1,820.23	816.77	1,870.20	1,814.96	55.24	33.856		
5,600.00	5,464.53	5,178.97	4,765.18	28.87	34.26	90.70	-1,856.89	835.06	1,907.74	1,851.47	56.27	33.901		
5,700.00	5,563.07	5,271.32	4,847.99	29.35	34.95	91.26	-1,893.47	853.30	1,945.26	1,888.00	57.27	33.968		
5,800.00	5,662.15	5,363.33	4,930.51	29.80	35.65	91.72	-1,929.91	871.48	1,982.76	1,924.54	58.22	34.055		
5,900.00	5,761.64	5,454.91	5,012.62	30.23	36.33	92.09	-1,966.18	889.57	2,020.25	1,961.11	59.14	34.162		
6,000.00	5,861.42	5,545.92	5,094.24	30.64	37.02	92.37	-2,002.23	907.55	2,057.75	1,997.73	60.01	34.288		
6,100.00	5,961.36	5,636.27	5,175.26	31.02	37.70	92.58	-2,038.01	925.40	2,095.29	2,034.43	60.85	34.431		
6,138.64	6,000.00	5,670.98	5,206.38	31.16	37.96	-171.85	-2,051.76	932.26	2,109.81	2,048.64	61.17	34.492		
6,200.00	6,061.36	5,726.01	5,255.72	31.38	38.37	-172.25	-2,073.55	943.13	2,132.94	2,071.28	61.66	34.593		
6,300.00	6,161.36	5,815.68	5,336.13	31.74	39.05	-172.89	-2,109.07	960.85	2,170.84	2,108.38	62.46	34.755		
6,400.00	6,261.36	5,905.35	5,416.54	32.10	39.72	-173.50	-2,144.59	978.56	2,208.97	2,145.70	63.26	34.916		
6,500.00	6,361.36	6,004.98	5,496.95	32.46	40.47	-174.10	-2,180.10	996.28	2,247.32	2,183.19	64.13	35.041		
6,562.02	6,423.38	6,050.63	5,546.82	32.68	40.82	-174.46	-2,202.13	1,007.26	2,271.22	2,206.64	64.57	35.173		
6,600.00	6,461.34	6,084.45	5,577.15	32.82	41.07	-82.99	-2,215.52	1,013.94	2,285.78	2,220.91	64.87	35.236		
6,650.00	6,511.08	6,128.09	5,616.28	32.99	41.40	-81.57	-2,232.81	1,022.57	2,304.63	2,239.39	65.24	35.324		
6,700.00	6,560.29	6,170.49	5,654.29	33.17	41.72	-80.27	-2,249.60	1,030.94	2,323.08	2,257.48	65.60	35.413		
6,750.00	6,608.64	6,211.38	5,690.96	33.36	42.03	-79.08	-2,265.79	1,039.02	2,341.09	2,275.15	65.94	35.502		
6,800.00	6,655.86	6,250.51	5,726.05	33.56	42.32	-77.98	-2,281.29	1,046.75	2,358.66	2,292.38	66.28	35.588		
6,850.00	6,701.64	6,287.64	5,759.35	33.78	42.60	-76.97	-2,296.00	1,054.09	2,375.78	2,309.18	66.60	35.672		
6,900.00	6,745.71	6,322.54	5,790.64	34.01	42.87	-76.02	-2,309.82	1,060.98	2,392.44	2,325.53	66.92	35.751		
6,950.00	6,787.79	6,355.00	5,819.75	34.27	43.11	-75.12	-2,322.68	1,067.39	2,408.67	2,341.44	67.24	35.824		
7,000.00	6,827.62	6,384.82	5,846.49	34.56	43.33	-74.25	-2,334.49	1,073.28	2,424.48	2,356.92	67.55	35.891		
7,050.00	6,864.96	6,411.80	5,870.69	34.87	43.54	-73.40	-2,345.17	1,078.62	2,439.86	2,371.99	67.87	35.949		
7,100.00	6,899.58	6,435.80	5,892.20	35.21	43.72	-72.56	-2,354.68	1,083.36	2,454.84	2,386.65	68.19	35.998		
7,150.00	6,931.26	6,456.65	5,910.90	35.60	43.88	-71.71	-2,362.94	1,087.48	2,469.42	2,400.89	68.53	36.035		
7,200.00	6,959.81	6,474.23	5,926.67	36.02	44.01	-70.84	-2,369.90	1,090.95	2,483.60	2,414.72	68.87	36.060		
7,250.00	6,985.06	6,488.43	5,939.40	36.47	44.12	-69.95	-2,375.52	1,093.75	2,497.36	2,428.13	69.23	36.073		
7,300.00	7,006.84	6,500.83	5,949.03	36.97	44.21	-69.04	-2,379.78	1,095.88	2,510.69	2,441.08	69.61	36.067		
7,350.00	7,025.02	6,506.37	5,955.49	37.51	44.25	-68.09	-2,382.63	1,097.30	2,523.57	2,453.58	69.99	36.058		
7,400.00	7,039.49	6,510.00	5,958.74	38.09	44.28	-67.11	-2,384.07	1,098.01	2,535.93	2,465.55	70.38	36.031		
7,450.00	7,050.17	6,510.03	5,958.77	38.70	44.28	-66.11	-2,384.08	1,098.02	2,547.75	2,476.96	70.78	35.994		
7,500.00	7,056.98	6,506.45	5,955.56	39.33	44.25	-65.08	-2,382.66	1,097.31	2,558.94	2,487.75	71.19	35.946		
7,550.00	7,059.89	6,500.70	5,949.15	39.99	44.21	-64.05	-2,379.83	1,095.90	2,569.43	2,497.83	71.60	35.886		
7,560.55	7,060.00	6,502.66	5,947.39	40.13	44.22	-63.83	-2,379.05	1,095.51	2,571.55	2,499.84	71.71	35.862		
7,600.00	7,060.09	6,489.71	5,940.55	40.67	44.13	-63.66	-2,376.03	1,094.01	2,579.68	2,507.68	72.00	35.829		
7,700.00	7,060.32	6,470.37	5,923.21	42.14	43.98	-63.23	-2,368.37	1,090.19	2,602.76	2,529.86	72.90	35.702		
7,800.00	7,060.55	6,451.03	5,905.86	43.75	43.83	-62.80	-2,360.71	1,086.36	2,629.30	2,555.40	73.90	35.581		
7,900.00	7,060.78	6,431.69	5,888.52	45.48	43.69	-62.37	-2,353.05	1,082.54	2,659.19	2,584.24	74.96	35.477		
8,000.00	7,061.01	6,412.35	5,871.18	47.33	43.54	-61.94	-2,345.39	1,078.72	2,692.33	2,616.27	76.06	35.398		
8,100.00	7,061.24	6,406.99	5,853.83	49.27	43.50	-61.51	-2,337.73	1,074.90	2,728.60	2,651.33	77.27	35.311		
8,200.00	7,061.47	8,734.34	7,073.35	51.29	57.55	-90.25	-2,868.96	-73.06	2,745.65	2,639.99	105.66	25.985		
8,300.00	7,061.70	8,834.33	7,073.87	53.40	59.11	-90.25	-2,868.66	-173.05	2,744.84	2,635.10	109.74	25.013		
8,400.00	7,061.93	8,934.33	7,074.39	55.57	60.81	-90.26	-2,868.37	-273.05	2,744.02	2,630.07	113.95	24.081		
8,500.00	7,062.16	9,034.32	7,074.91	57.80	62.63	-90.27	-2,868.08	-373.04	2,743.21	2,624.92	118.29	23.190		
8,600.00	7,062.39	9,134.32	7,075.44	60.08	64.56	-90.27	-2,867.79	-473.04	2,742.39	2,619.65	122.74	22.342		
8,700.00	7,062.63	9,234.32	7,075.96	62.42	66.58	-90.28	-2,867.49	-573.03	2,741.58	2,614.28	127.30	21.537		
8,800.00	7,062.86	9,334.31	7,076.48	64.79	68.68	-90.28	-2,867.20	-673.03	2,740.76	2,608.82	131.94	20.772		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,434.31	7,077.01	67.20	70.85	-90.29	-2,866.91	-773.02	2,739.95	2,603.28	136.67	20.048		
9,000.00	7,063.32	9,534.31	7,077.53	69.65	73.08	-90.30	-2,866.61	-873.01	2,739.13	2,597.66	141.47	19.362		
9,100.00	7,063.55	9,634.30	7,078.05	72.12	75.36	-90.30	-2,866.32	-973.01	2,738.32	2,591.98	146.33	18.713		
9,200.00	7,063.78	9,734.30	7,078.58	74.63	77.69	-90.31	-2,866.03	-1,073.00	2,737.50	2,586.24	151.26	18.098		
9,300.00	7,064.01	9,834.29	7,079.10	77.16	80.06	-90.31	-2,865.74	-1,173.00	2,736.69	2,580.45	156.23	17.516		
9,400.00	7,064.24	9,934.29	7,079.62	79.71	82.47	-90.32	-2,865.44	-1,272.99	2,735.87	2,574.61	161.26	16.965		
9,500.00	7,064.47	10,034.29	7,080.15	82.28	84.91	-90.33	-2,865.15	-1,372.99	2,735.06	2,568.72	166.33	16.443		
9,600.00	7,064.70	10,134.28	7,080.67	84.87	87.37	-90.33	-2,864.86	-1,472.98	2,734.24	2,562.79	171.45	15.948		
9,700.00	7,064.93	10,234.28	7,081.19	87.47	89.87	-90.34	-2,864.57	-1,572.98	2,733.43	2,556.83	176.60	15.478		
9,800.00	7,065.16	10,334.28	7,081.71	90.09	92.39	-90.35	-2,864.27	-1,672.97	2,732.61	2,550.83	181.78	15.033		
9,900.00	7,065.39	10,434.27	7,082.24	92.73	94.93	-90.35	-2,863.98	-1,772.96	2,731.80	2,544.80	186.99	14.609		
10,000.00	7,065.62	10,534.27	7,082.76	95.38	97.49	-90.36	-2,863.69	-1,872.96	2,730.98	2,538.74	192.24	14.206		
10,100.00	7,065.85	10,634.26	7,083.28	98.04	100.07	-90.36	-2,863.39	-1,972.95	2,730.17	2,532.66	197.51	13.823		
10,200.00	7,066.08	10,734.26	7,083.81	100.71	102.66	-90.37	-2,863.10	-2,072.95	2,729.35	2,526.55	202.80	13.458		
10,300.00	7,066.31	10,834.26	7,084.33	103.39	105.27	-90.38	-2,862.81	-2,172.94	2,728.54	2,520.42	208.12	13.111		
10,400.00	7,066.54	10,934.25	7,084.85	106.08	107.90	-90.38	-2,862.52	-2,272.94	2,727.72	2,514.27	213.45	12.779		
10,500.00	7,066.77	11,034.25	7,085.38	108.78	110.53	-90.39	-2,862.22	-2,372.93	2,726.91	2,508.10	218.81	12.462		
10,600.00	7,067.01	11,134.25	7,085.90	111.48	113.18	-90.40	-2,861.93	-2,472.93	2,726.09	2,501.91	224.19	12.160		
10,700.00	7,067.24	11,234.24	7,086.42	114.20	115.84	-90.40	-2,861.64	-2,572.92	2,725.28	2,495.70	229.58	11.871		
10,800.00	7,067.47	11,334.24	7,086.94	116.92	118.51	-90.41	-2,861.35	-2,672.91	2,724.46	2,489.48	234.98	11.594		
10,900.00	7,067.70	11,434.23	7,087.47	119.65	121.19	-90.41	-2,861.05	-2,772.91	2,723.65	2,483.25	240.40	11.330		
11,000.00	7,067.93	11,534.23	7,087.99	122.38	123.87	-90.42	-2,860.76	-2,872.90	2,722.83	2,477.00	245.84	11.076		
11,100.00	7,068.16	11,634.23	7,088.51	125.12	126.57	-90.43	-2,860.47	-2,972.90	2,722.02	2,470.74	251.28	10.832		
11,200.00	7,068.39	11,734.22	7,089.04	127.86	129.27	-90.43	-2,860.17	-3,072.89	2,721.20	2,464.46	256.74	10.599		
11,300.00	7,068.62	11,834.22	7,089.56	130.61	131.98	-90.44	-2,859.88	-3,172.89	2,720.39	2,458.18	262.21	10.375		
11,400.00	7,068.85	11,934.22	7,090.08	133.37	134.70	-90.45	-2,859.59	-3,272.88	2,719.58	2,451.88	267.69	10.159		
11,500.00	7,069.08	12,034.21	7,090.61	136.12	137.42	-90.45	-2,859.30	-3,372.88	2,718.76	2,445.58	273.18	9.952		
11,600.00	7,069.31	12,134.21	7,091.13	138.89	140.15	-90.46	-2,859.00	-3,472.87	2,717.95	2,439.27	278.68	9.753		
11,700.00	7,069.54	12,234.20	7,091.65	141.65	142.88	-90.47	-2,858.71	-3,572.86	2,717.13	2,432.95	284.19	9.561		
11,800.00	7,069.77	12,334.20	7,092.18	144.42	145.62	-90.47	-2,858.42	-3,672.86	2,716.32	2,426.62	289.70	9.376		
11,900.00	7,070.00	12,434.20	7,092.70	147.19	148.36	-90.48	-2,858.13	-3,772.85	2,715.50	2,420.28	295.23	9.198		
12,000.00	7,070.23	12,534.19	7,093.22	149.97	151.11	-90.48	-2,857.83	-3,872.85	2,714.69	2,413.93	300.76	9.026		
12,100.00	7,070.46	12,634.19	7,093.74	152.75	153.86	-90.49	-2,857.54	-3,972.84	2,713.88	2,407.58	306.29	8.860		
12,200.00	7,070.69	12,734.19	7,094.27	155.53	156.62	-90.50	-2,857.25	-4,072.84	2,713.06	2,401.22	311.84	8.700		
12,300.00	7,070.92	12,834.18	7,094.79	158.32	159.38	-90.50	-2,856.95	-4,172.83	2,712.25	2,394.86	317.39	8.546		
12,400.00	7,071.16	12,934.18	7,095.31	161.10	162.14	-90.51	-2,856.66	-4,272.83	2,711.43	2,388.49	322.94	8.396		
12,500.00	7,071.39	13,034.17	7,095.84	163.89	164.91	-90.52	-2,856.37	-4,372.82	2,710.62	2,382.11	328.50	8.251		
12,600.00	7,071.62	13,134.17	7,096.36	166.69	167.68	-90.52	-2,856.08	-4,472.81	2,709.80	2,375.73	334.07	8.111		
12,700.00	7,071.85	13,234.17	7,096.88	169.48	170.45	-90.53	-2,855.78	-4,572.81	2,708.99	2,369.35	339.64	7.976		
12,744.51	7,071.95	13,256.62	7,097.00	170.72	171.07	-90.53	-2,855.72	-4,595.26	2,708.72	2,367.28	341.44	7.933		
12,800.00	7,072.08	13,256.62	7,097.00	172.28	171.07	-90.53	-2,855.72	-4,595.26	2,709.29	2,366.56	342.73	7.905		
12,900.00	7,072.31	13,256.62	7,097.00	175.08	171.07	-90.53	-2,855.72	-4,595.26	2,713.18	2,368.47	344.70	7.871		
13,000.00	7,072.54	13,256.62	7,097.00	177.88	171.07	-90.53	-2,855.72	-4,595.26	2,720.74	2,374.51	346.23	7.858 SF		
13,100.00	7,072.77	13,256.62	7,097.00	180.68	171.07	-90.53	-2,855.72	-4,595.26	2,731.95	2,384.63	347.32	7.866		
13,200.00	7,073.00	13,256.62	7,097.00	183.48	171.07	-90.53	-2,855.72	-4,595.26	2,746.75	2,398.78	347.97	7.894		
13,300.00	7,073.23	13,256.62	7,097.00	186.29	171.07	-90.53	-2,855.72	-4,595.26	2,765.09	2,416.90	348.19	7.941		
13,400.00	7,073.46	13,256.62	7,097.00	189.09	171.07	-90.53	-2,855.72	-4,595.26	2,786.90	2,438.90	348.00	8.008		
13,500.00	7,073.69	13,256.62	7,097.00	191.90	171.07	-90.53	-2,855.72	-4,595.26	2,812.10	2,464.68	347.42	8.094		
13,600.00	7,073.92	13,256.62	7,097.00	194.71	171.07	-90.53	-2,855.72	-4,595.26	2,840.60	2,494.13	346.48	8.198		
13,700.00	7,074.15	13,256.62	7,097.00	197.52	171.07	-90.53	-2,855.72	-4,595.26	2,872.30	2,527.11	345.19	8.321		
13,800.00	7,074.38	13,256.62	7,097.00	200.34	171.07	-90.53	-2,855.72	-4,595.26	2,907.10	2,563.51	343.59	8.461		
13,900.00	7,074.61	13,256.62	7,097.00	203.15	171.07	-90.53	-2,855.72	-4,595.26	2,944.88	2,603.17	341.71	8.618		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	13,256.62	7,097.00	205.97	171.07	-90.53	-2,855.72	-4,595.26	2,985.54	2,645.97	339.57	8.792		
14,100.00	7,075.07	13,256.62	7,097.00	208.78	171.07	-90.53	-2,855.72	-4,595.26	3,028.95	2,691.74	337.21	8.982		
14,200.00	7,075.30	13,256.62	7,097.00	211.60	171.07	-90.53	-2,855.72	-4,595.26	3,075.00	2,740.36	334.64	9.189		
14,300.00	7,075.54	13,256.62	7,097.00	214.42	171.07	-90.53	-2,855.72	-4,595.26	3,123.58	2,791.67	331.91	9.411		
14,400.00	7,075.77	13,256.62	7,097.00	217.24	171.07	-90.53	-2,855.72	-4,595.26	3,174.56	2,845.53	329.03	9.648		
14,500.00	7,076.00	13,256.62	7,097.00	220.06	171.07	-90.53	-2,855.72	-4,595.26	3,227.84	2,901.80	326.03	9.900		
14,600.00	7,076.23	13,256.62	7,097.00	222.88	171.07	-90.53	-2,855.72	-4,595.26	3,283.30	2,960.35	322.94	10.167		
14,700.00	7,076.46	13,256.62	7,097.00	225.70	171.07	-90.53	-2,855.72	-4,595.26	3,340.83	3,021.05	319.77	10.447		
14,800.00	7,076.69	13,256.62	7,097.00	228.53	171.07	-90.53	-2,855.72	-4,595.26	3,400.33	3,083.78	316.55	10.742		
14,900.00	7,076.92	13,256.62	7,097.00	231.35	171.07	-90.53	-2,855.72	-4,595.26	3,461.69	3,148.41	313.29	11.050		
15,000.00	7,077.15	13,256.62	7,097.00	234.18	171.07	-90.53	-2,855.72	-4,595.26	3,524.83	3,214.83	310.00	11.370		
15,100.00	7,077.38	13,256.62	7,097.00	237.00	171.07	-90.53	-2,855.72	-4,595.26	3,589.64	3,282.94	306.71	11.704		
15,200.00	7,077.61	13,256.62	7,097.00	239.83	171.07	-90.53	-2,855.72	-4,595.26	3,656.04	3,352.63	303.41	12.050		
15,300.00	7,077.84	13,256.62	7,097.00	242.66	171.07	-90.53	-2,855.72	-4,595.26	3,723.94	3,423.80	300.14	12.407		
15,400.00	7,078.07	13,256.62	7,097.00	245.49	171.07	-90.53	-2,855.72	-4,595.26	3,793.26	3,496.38	296.88	12.777		
15,500.00	7,078.30	13,256.62	7,097.00	248.31	171.07	-90.53	-2,855.72	-4,595.26	3,863.93	3,570.26	293.66	13.158		
15,600.00	7,078.53	13,256.62	7,097.00	251.14	171.07	-90.53	-2,855.72	-4,595.26	3,935.86	3,645.39	290.48	13.550		
15,700.00	7,078.76	13,256.62	7,097.00	253.97	171.07	-90.53	-2,855.72	-4,595.26	4,009.01	3,721.67	287.34	13.952		
15,800.00	7,078.99	13,256.62	7,097.00	256.80	171.07	-90.53	-2,855.72	-4,595.26	4,083.29	3,799.04	284.25	14.365		
15,900.00	7,079.22	13,256.62	7,097.00	259.64	171.07	-90.53	-2,855.72	-4,595.26	4,158.65	3,877.43	281.21	14.788		
16,000.00	7,079.45	13,256.62	7,097.00	262.47	171.07	-90.53	-2,855.72	-4,595.26	4,235.02	3,956.79	278.23	15.221		
16,100.00	7,079.69	13,256.62	7,097.00	265.30	171.07	-90.53	-2,855.72	-4,595.26	4,312.37	4,037.06	275.31	15.664		
16,200.00	7,079.92	13,256.62	7,097.00	268.13	171.07	-90.53	-2,855.72	-4,595.26	4,390.63	4,118.18	272.45	16.115		
16,300.00	7,080.15	13,256.62	7,097.00	270.97	171.07	-90.53	-2,855.72	-4,595.26	4,469.76	4,200.11	269.65	16.576		
16,400.00	7,080.38	13,256.62	7,097.00	273.80	171.07	-90.53	-2,855.72	-4,595.26	4,549.71	4,282.79	266.91	17.046		
16,500.00	7,080.61	13,256.62	7,097.00	276.64	171.07	-90.53	-2,855.72	-4,595.26	4,630.43	4,366.20	264.24	17.524		
16,600.00	7,080.84	13,256.62	7,097.00	279.47	171.07	-90.53	-2,855.72	-4,595.26	4,711.90	4,450.27	261.63	18.010		
16,700.00	7,081.07	13,256.62	7,097.00	282.31	171.07	-90.53	-2,855.72	-4,595.26	4,794.07	4,534.99	259.08	18.504		
16,800.00	7,081.30	13,256.62	7,097.00	285.14	171.07	-90.53	-2,855.72	-4,595.26	4,876.91	4,620.31	256.60	19.006		
16,900.00	7,081.53	13,256.62	7,097.00	287.98	171.07	-90.53	-2,855.72	-4,595.26	4,960.38	4,706.19	254.18	19.515		
17,000.00	7,081.76	13,256.62	7,097.00	290.82	171.07	-90.53	-2,855.72	-4,595.26	5,044.45	4,792.62	251.82	20.032		
17,100.00	7,081.99	13,256.62	7,097.00	293.65	171.07	-90.53	-2,855.72	-4,595.26	5,129.09	4,879.56	249.53	20.555		
17,200.00	7,082.22	13,256.62	7,097.00	296.49	171.07	-90.53	-2,855.72	-4,595.26	5,214.27	4,966.98	247.29	21.086		
17,300.00	7,082.45	13,256.62	7,097.00	299.33	171.07	-90.53	-2,855.72	-4,595.26	5,299.97	5,054.86	245.11	21.623		
17,400.00	7,082.68	13,256.62	7,097.00	302.17	171.07	-90.53	-2,855.72	-4,595.26	5,386.17	5,143.18	242.99	22.166		
17,500.00	7,082.91	13,256.62	7,097.00	305.01	171.07	-90.53	-2,855.72	-4,595.26	5,472.84	5,231.90	240.93	22.715		
17,600.00	7,083.14	13,256.62	7,097.00	307.85	171.07	-90.53	-2,855.72	-4,595.26	5,559.95	5,321.02	238.92	23.271		
17,700.00	7,083.37	13,256.62	7,097.00	310.69	171.07	-90.53	-2,855.72	-4,595.26	5,647.49	5,410.52	236.97	23.832		
17,800.00	7,083.60	13,256.62	7,097.00	313.53	171.07	-90.53	-2,855.72	-4,595.26	5,735.44	5,500.37	235.07	24.399		
17,900.00	7,083.84	13,256.62	7,097.00	316.37	171.07	-90.53	-2,855.72	-4,595.26	5,823.77	5,590.55	233.22	24.971		
18,000.00	7,084.07	13,256.62	7,097.00	319.21	171.07	-90.53	-2,855.72	-4,595.26	5,912.48	5,681.06	231.42	25.548		
18,100.00	7,084.30	13,256.62	7,097.00	322.05	171.07	-90.53	-2,855.72	-4,595.26	6,001.54	5,771.87	229.67	26.131		
18,200.00	7,084.53	13,256.62	7,097.00	324.89	171.07	-90.53	-2,855.72	-4,595.26	6,090.95	5,862.97	227.97	26.718		
18,300.00	7,084.76	13,256.62	7,097.00	327.73	171.07	-90.53	-2,855.72	-4,595.26	6,180.67	5,954.36	226.32	27.310		
18,400.00	7,084.99	13,256.62	7,097.00	330.57	171.07	-90.53	-2,855.72	-4,595.26	6,270.71	6,046.01	224.70	27.906		
18,500.00	7,085.22	13,256.62	7,097.00	333.41	171.07	-90.53	-2,855.72	-4,595.26	6,361.05	6,137.91	223.14	28.507		
18,600.00	7,085.45	13,256.62	7,097.00	336.26	171.07	-90.53	-2,855.72	-4,595.26	6,451.67	6,230.06	221.61	29.112		
18,700.00	7,085.68	13,256.62	7,097.00	339.10	171.07	-90.53	-2,855.72	-4,595.26	6,542.56	6,322.43	220.13	29.722		
18,800.00	7,085.91	13,256.62	7,097.00	341.94	171.07	-90.53	-2,855.72	-4,595.26	6,633.72	6,415.03	218.68	30.335		
18,839.14	7,086.00	13,256.62	7,097.00	343.06	171.07	-90.53	-2,855.72	-4,595.26	6,669.47	6,451.34	218.13	30.576		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	299.08	299.06	3.44	3.44	1.99	60.82	2.12	60.86	53.97	6.89	8.834		
400.00	399.98	398.01	397.85	3.60	3.60	-90.87	62.94	6.78	63.35	56.14	7.21	8.791		
500.00	499.84	496.76	496.23	3.80	3.80	-88.85	66.46	14.54	67.66	60.05	7.61	8.887		
600.00	599.45	595.29	594.04	4.04	4.05	-87.48	71.38	25.34	73.73	65.62	8.10	9.097		
700.00	698.70	693.55	691.11	4.31	4.32	-86.70	77.66	39.17	81.49	72.83	8.67	9.401		
800.00	797.47	791.50	787.30	4.62	4.64	-86.40	85.29	55.95	90.92	81.62	9.30	9.778		
900.00	895.62	909.65	883.86	4.97	5.05	-86.80	94.05	75.23	101.57	91.52	10.05	10.104		
980.89	974.49	970.71	962.32	5.27	5.28	-88.31	101.23	91.04	110.18	99.61	10.58	10.419		
1,000.00	993.07	989.69	980.85	5.34	5.36	-88.81	102.93	94.78	112.22	101.50	10.72	10.469		
1,100.00	1,090.26	1,088.99	1,077.81	5.75	5.75	-91.14	111.81	114.31	123.02	111.52	11.51	10.691		
1,200.00	1,187.45	1,188.29	1,174.76	6.17	6.16	-93.10	120.69	133.85	133.99	121.66	12.33	10.865		
1,300.00	1,284.64	1,287.59	1,271.72	6.62	6.59	-94.76	129.57	153.39	145.10	131.91	13.19	11.001		
1,400.00	1,381.83	1,386.90	1,368.67	7.07	7.03	-96.18	138.44	172.92	156.30	142.23	14.07	11.109		
1,500.00	1,479.01	1,486.20	1,465.63	7.54	7.47	-97.41	147.32	192.46	167.59	152.62	14.97	11.194		
1,600.00	1,576.20	1,585.50	1,562.58	8.02	7.92	-98.48	156.20	211.99	178.94	163.05	15.89	11.263		
1,700.00	1,673.39	1,684.80	1,659.54	8.50	8.38	-99.43	165.08	231.53	190.35	173.53	16.82	11.318		
1,800.00	1,770.58	1,784.10	1,756.49	8.99	8.85	-100.27	173.96	251.07	201.80	184.04	17.76	11.363		
1,900.00	1,867.77	1,883.40	1,853.45	9.48	9.31	-101.02	182.84	270.60	213.29	194.58	18.71	11.400		
2,000.00	1,964.96	1,982.70	1,950.40	9.98	9.79	-101.69	191.71	290.14	224.82	205.15	19.67	11.430		
2,100.00	2,062.15	2,082.00	2,047.35	10.49	10.26	-102.30	200.59	309.67	236.37	215.73	20.64	11.454		
2,200.00	2,159.34	2,181.30	2,144.31	10.99	10.74	-102.85	209.47	329.21	247.95	226.34	21.61	11.475		
2,300.00	2,256.53	2,280.60	2,241.26	11.50	11.22	-103.35	218.35	348.75	259.54	236.96	22.59	11.492		
2,400.00	2,353.71	2,379.90	2,338.22	12.01	11.70	-103.81	227.23	368.28	271.16	247.59	23.57	11.506		
2,500.00	2,450.90	2,479.21	2,435.17	12.53	12.19	-104.23	236.11	387.82	282.79	258.23	24.55	11.518		
2,600.00	2,548.09	2,578.51	2,532.13	13.04	12.68	-104.62	244.99	407.35	294.43	268.89	25.54	11.528		
2,700.00	2,645.28	2,677.81	2,629.08	13.56	13.16	-104.97	253.86	426.89	306.09	279.55	26.53	11.536		
2,800.00	2,742.47	2,777.11	2,726.04	14.08	13.65	-105.31	262.74	446.43	317.75	290.23	27.53	11.543		
2,900.00	2,839.66	2,876.41	2,822.99	14.60	14.14	-105.61	271.62	465.96	329.43	300.90	28.52	11.549		
3,000.00	2,936.85	2,975.71	2,919.95	15.12	14.64	-105.90	280.50	485.50	341.12	311.59	29.52	11.554		
3,100.00	3,034.04	3,075.01	3,016.90	15.65	15.13	-106.17	289.38	505.03	352.81	322.28	30.53	11.558		
3,200.00	3,131.22	3,174.31	3,113.85	16.17	15.62	-106.42	298.26	524.57	364.51	332.98	31.53	11.561		
3,300.00	3,228.41	3,273.61	3,210.81	16.69	16.12	-106.65	307.13	544.11	376.22	343.68	32.53	11.564		
3,400.00	3,325.60	3,372.91	3,307.76	17.22	16.61	-106.88	316.01	563.64	387.93	354.39	33.54	11.567		
3,500.00	3,422.79	3,472.21	3,404.72	17.75	17.11	-107.08	324.89	583.18	399.65	365.10	34.55	11.568		
3,600.00	3,519.98	3,571.52	3,501.67	18.27	17.60	-107.28	333.77	602.71	411.37	375.82	35.55	11.570		
3,700.00	3,617.17	3,670.82	3,598.63	18.80	18.10	-107.47	342.65	622.25	423.10	386.53	36.56	11.571		
3,800.00	3,714.36	3,770.12	3,695.58	19.33	18.60	-107.64	351.53	641.79	434.83	397.25	37.58	11.572		
3,900.00	3,811.55	3,869.42	3,792.54	19.86	19.10	-107.81	360.40	661.32	446.56	407.98	38.59	11.573		
4,000.00	3,908.74	3,968.72	3,889.49	20.39	19.59	-107.97	369.28	680.86	458.30	418.70	39.60	11.574		
4,100.00	4,005.92	4,068.02	3,986.45	20.92	20.09	-108.11	378.16	700.39	470.05	429.43	40.61	11.574		
4,200.00	4,103.11	4,167.32	4,083.40	21.45	20.59	-108.26	387.04	719.93	481.79	440.16	41.63	11.574		
4,300.00	4,200.30	4,266.62	4,180.35	21.98	21.09	-108.39	395.92	739.47	493.54	450.90	42.64	11.574		
4,400.00	4,297.49	4,365.92	4,277.31	22.51	21.59	-108.52	404.80	759.00	505.29	461.63	43.66	11.574		
4,500.00	4,394.68	4,465.22	4,374.26	23.04	22.09	-108.65	413.67	778.54	517.04	472.37	44.67	11.574		
4,600.00	4,491.87	4,564.52	4,471.22	23.57	22.59	-108.76	422.55	798.07	528.80	483.11	45.69	11.574		
4,700.00	4,589.06	4,663.82	4,568.17	24.10	23.09	-108.88	431.43	817.61	540.56	493.85	46.71	11.574		
4,800.00	4,686.25	4,763.13	4,665.13	24.64	23.59	-108.98	440.31	837.15	552.32	504.59	47.72	11.573		
4,900.00	4,783.43	4,862.43	4,762.08	25.17	24.10	-109.09	449.19	856.68	564.08	515.34	48.74	11.573		
5,000.00	4,880.62	4,961.73	4,859.04	25.70	24.60	-109.19	458.07	876.22	575.84	526.08	49.76	11.572		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,061.03	4,955.99	26.23	25.10	-109.28	466.94	895.75	587.60	536.83	50.78	11.572		
5,200.00	5,075.00	5,160.33	5,052.95	26.77	25.60	-109.37	475.82	915.29	599.37	547.57	51.80	11.571		
5,300.00	5,172.19	5,259.63	5,149.90	27.30	26.10	-109.46	484.70	934.83	611.14	558.32	52.82	11.571		
5,400.00	5,269.38	5,358.93	5,246.86	27.83	26.60	-109.55	493.58	954.36	622.91	569.07	53.84	11.570		
5,457.75	5,325.51	5,416.28	5,302.85	28.14	26.89	-109.60	498.71	965.64	629.71	575.28	54.43	11.570		
5,500.00	5,366.64	5,458.25	5,343.82	28.37	27.11	-109.70	502.46	973.90	634.57	579.72	54.86	11.568		
5,600.00	5,464.53	5,557.64	5,440.87	28.87	27.61	-109.71	511.35	993.46	645.27	589.41	55.86	11.551		
5,700.00	5,563.07	5,657.04	5,537.92	29.35	28.11	-109.41	520.23	1,013.01	654.82	597.97	56.85	11.518		
5,800.00	5,662.15	5,756.30	5,634.84	29.80	28.62	-108.83	529.11	1,032.54	663.29	605.47	57.82	11.471		
5,900.00	5,761.64	5,855.33	5,731.52	30.23	29.12	-107.97	537.96	1,052.02	670.80	612.02	58.78	11.413		
6,000.00	5,861.42	5,953.98	5,827.84	30.64	29.62	-106.84	546.78	1,071.43	677.50	617.79	59.71	11.346		
6,100.00	5,961.36	6,052.14	5,923.69	31.02	30.11	-105.46	555.56	1,090.74	683.60	622.97	60.63	11.275		
6,138.64	6,000.00	6,089.91	5,960.57	31.16	30.31	-9.36	558.94	1,098.17	685.84	624.87	60.98	11.248		
6,200.00	6,061.36	6,149.83	6,019.06	31.38	30.61	-8.32	564.29	1,109.96	689.49	627.97	61.52	11.207		
6,300.00	6,161.36	6,247.46	6,114.39	31.74	31.10	-6.64	573.02	1,129.17	695.93	633.53	62.40	11.152		
6,400.00	6,261.36	6,345.10	6,209.72	32.10	31.60	-5.00	581.75	1,148.38	702.98	639.70	63.28	11.109		
6,500.00	6,361.36	6,442.74	6,305.05	32.46	32.09	-3.39	590.48	1,167.59	710.62	646.47	64.15	11.078		
6,562.02	6,423.38	6,503.29	6,364.17	32.68	32.40	-2.41	595.90	1,179.50	715.64	650.95	64.69	11.063		
6,600.00	6,461.34	6,540.13	6,400.14	32.82	32.59	88.28	599.19	1,186.75	718.79	653.78	65.01	11.057		
6,650.00	6,511.08	6,587.72	6,446.61	32.99	32.83	89.01	603.44	1,196.11	723.05	657.63	65.42	11.052		
6,700.00	6,560.29	6,634.12	6,491.91	33.17	33.06	89.95	607.59	1,205.21	727.63	661.80	65.83	11.053		
6,750.00	6,608.64	6,681.31	6,538.35	33.36	33.29	90.97	611.85	1,212.36	732.66	666.42	66.24	11.060		
6,800.00	6,655.86	6,730.00	6,586.69	33.56	33.50	91.98	616.28	1,216.09	738.16	671.49	66.66	11.073		
6,850.00	6,701.64	6,780.38	6,636.85	33.78	33.69	93.00	620.88	1,216.03	744.06	676.97	67.09	11.090		
6,900.00	6,745.71	6,832.62	6,688.68	34.01	33.88	94.01	625.63	1,211.77	750.34	682.81	67.53	11.111		
6,950.00	6,787.79	6,886.92	6,742.00	34.27	34.08	95.01	630.53	1,202.83	756.92	688.94	67.98	11.134		
7,000.00	6,827.62	6,943.50	6,796.54	34.56	34.29	96.00	635.54	1,188.71	763.73	695.29	68.45	11.158		
7,050.00	6,864.96	7,002.56	6,851.90	34.87	34.52	96.98	640.62	1,168.83	770.67	701.76	68.91	11.183		
7,100.00	6,899.58	7,064.31	6,907.56	35.21	34.77	97.94	645.74	1,142.65	777.64	708.25	69.39	11.207		
7,150.00	6,931.26	7,128.93	6,962.81	35.60	35.07	98.86	650.83	1,109.58	784.50	714.63	69.86	11.229		
7,200.00	6,959.81	7,196.57	7,016.76	36.02	35.41	99.75	655.80	1,069.13	791.11	720.75	70.36	11.244		
7,250.00	6,985.06	7,267.30	7,068.27	36.47	35.82	100.57	660.55	1,020.95	797.34	726.43	70.91	11.245		
7,300.00	7,006.84	7,341.10	7,115.99	36.97	36.31	101.31	664.97	964.88	803.02	731.48	71.54	11.225		
7,350.00	7,025.02	7,417.82	7,158.41	37.51	36.90	101.96	668.89	901.14	807.99	735.68	72.31	11.174		
7,400.00	7,039.49	7,497.15	7,193.92	38.09	37.59	102.47	672.19	830.33	812.11	738.84	73.27	11.084		
7,450.00	7,050.17	7,578.62	7,220.97	38.70	38.41	102.85	674.72	753.58	815.24	740.77	74.47	10.947		
7,500.00	7,056.98	7,661.61	7,238.27	39.33	39.34	103.05	676.36	672.49	817.28	741.36	75.92	10.766		
7,550.00	7,059.89	7,745.36	7,244.93	39.99	40.34	103.08	677.02	589.06	818.16	740.57	77.59	10.545		
7,560.55	7,060.00	7,763.06	7,244.94	40.13	40.56	103.06	677.03	571.37	818.20	740.24	77.96	10.495		
7,600.00	7,060.09	7,801.42	7,245.08	40.67	41.06	103.06	677.06	535.85	818.44	739.47	78.97	10.364		
7,700.00	7,060.32	7,901.43	7,245.25	42.14	42.45	103.05	677.14	435.85	819.01	737.22	81.80	10.013		
7,800.00	7,060.55	8,001.43	7,245.43	43.75	43.99	103.04	677.22	335.86	819.59	734.69	84.90	9.654		
7,900.00	7,060.78	8,101.43	7,245.61	45.48	45.66	103.02	677.30	235.86	820.16	731.92	88.25	9.294		
8,000.00	7,061.01	8,201.43	7,245.79	47.33	47.45	103.01	677.37	135.86	820.74	728.93	91.81	8.939		
8,100.00	7,061.24	8,301.43	7,245.96	49.27	49.33	103.00	677.45	35.86	821.31	725.74	95.57	8.594		
8,200.00	7,061.47	8,401.43	7,246.14	51.29	51.31	102.99	677.53	-64.14	821.88	722.38	99.50	8.260		
8,300.00	7,061.70	8,501.44	7,246.32	53.40	53.37	102.97	677.61	-164.13	822.46	718.87	103.59	7.940		
8,400.00	7,061.93	8,601.44	7,246.49	55.57	55.50	102.96	677.68	-264.13	823.03	715.23	107.81	7.634		
8,500.00	7,062.16	8,701.44	7,246.67	57.80	57.69	102.95	677.76	-364.13	823.61	711.46	112.15	7.344		
8,600.00	7,062.39	8,801.44	7,246.85	60.08	59.94	102.93	677.84	-464.13	824.18	707.59	116.59	7.069		
8,700.00	7,062.63	8,901.44	7,247.03	62.42	62.24	102.92	677.92	-564.13	824.75	703.62	121.14	6.808		
8,800.00	7,062.86	9,001.45	7,247.20	64.79	64.58	102.91	677.99	-664.12	825.33	699.56	125.76	6.562		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,101.45	7,247.38	67.20	66.97	102.89	678.07	-764.12	825.90	695.44	130.47	6.330		
9,000.00	7,063.32	9,201.45	7,247.56	69.65	69.39	102.88	678.15	-864.12	826.48	691.24	135.24	6.111		
9,100.00	7,063.55	9,301.45	7,247.73	72.12	71.84	102.87	678.23	-964.12	827.05	686.98	140.07	5.904		
9,200.00	7,063.78	9,401.45	7,247.91	74.63	74.32	102.86	678.30	-1,064.12	827.63	682.67	144.96	5.709		
9,300.00	7,064.01	9,501.45	7,248.09	77.16	76.83	102.84	678.38	-1,164.11	828.20	678.30	149.90	5.525		
9,400.00	7,064.24	9,601.46	7,248.27	79.71	79.36	102.83	678.46	-1,264.11	828.78	673.89	154.88	5.351		
9,500.00	7,064.47	9,701.46	7,248.44	82.28	81.92	102.82	678.54	-1,364.11	829.35	669.44	159.91	5.186		
9,600.00	7,064.70	9,801.46	7,248.62	84.87	84.49	102.80	678.61	-1,464.11	829.93	664.96	164.97	5.031		
9,700.00	7,064.93	9,901.46	7,248.80	87.47	87.08	102.79	678.69	-1,564.11	830.50	660.44	170.06	4.883		
9,800.00	7,065.16	10,001.46	7,248.97	90.09	89.69	102.78	678.77	-1,664.10	831.07	655.89	175.19	4.744		
9,900.00	7,065.39	10,101.47	7,249.15	92.73	92.31	102.77	678.85	-1,764.10	831.65	651.31	180.34	4.611		
10,000.00	7,065.62	10,201.47	7,249.33	95.38	94.95	102.75	678.92	-1,864.10	832.22	646.70	185.52	4.486		
10,100.00	7,065.85	10,301.47	7,249.51	98.04	97.60	102.74	679.00	-1,964.10	832.80	642.07	190.73	4.366		
10,200.00	7,066.08	10,401.47	7,249.68	100.71	100.26	102.73	679.08	-2,064.10	833.37	637.42	195.96	4.253		
10,300.00	7,066.31	10,501.47	7,249.86	103.39	102.93	102.72	679.16	-2,164.09	833.95	632.75	201.20	4.145		
10,400.00	7,066.54	10,601.47	7,250.04	106.08	105.61	102.70	679.23	-2,264.09	834.52	628.05	206.47	4.042		
10,500.00	7,066.77	10,701.48	7,250.21	108.78	108.31	102.69	679.31	-2,364.09	835.10	623.35	211.75	3.944		
10,600.00	7,067.01	10,801.48	7,250.39	111.48	111.00	102.68	679.39	-2,464.09	835.67	618.62	217.05	3.850		
10,700.00	7,067.24	10,901.48	7,250.57	114.20	113.71	102.66	679.47	-2,564.09	836.25	613.88	222.37	3.761		
10,800.00	7,067.47	11,001.48	7,250.75	116.92	116.43	102.65	679.54	-2,664.08	836.82	609.13	227.70	3.675		
10,900.00	7,067.70	11,101.48	7,250.92	119.65	119.15	102.64	679.62	-2,764.08	837.40	604.36	233.04	3.593		
11,000.00	7,067.93	11,201.49	7,251.10	122.38	121.88	102.63	679.70	-2,864.08	837.97	599.58	238.40	3.515		
11,100.00	7,068.16	11,301.49	7,251.28	125.12	124.61	102.61	679.78	-2,964.08	838.55	594.79	243.76	3.440		
11,200.00	7,068.39	11,401.49	7,251.45	127.86	127.35	102.60	679.85	-3,064.08	839.13	589.98	249.14	3.368		
11,300.00	7,068.62	11,501.49	7,251.63	130.61	130.09	102.59	679.93	-3,164.07	839.70	585.17	254.53	3.299		
11,400.00	7,068.85	11,601.49	7,251.81	133.37	132.84	102.58	680.01	-3,264.07	840.28	580.35	259.93	3.233		
11,500.00	7,069.08	11,701.50	7,251.99	136.12	135.60	102.56	680.09	-3,364.07	840.85	575.52	265.33	3.169		
11,600.00	7,069.31	11,801.50	7,252.16	138.89	138.35	102.55	680.16	-3,464.07	841.43	570.68	270.75	3.108		
11,700.00	7,069.54	11,901.50	7,252.34	141.65	141.12	102.54	680.24	-3,564.07	842.00	565.83	276.17	3.049		
11,800.00	7,069.77	12,001.50	7,252.52	144.42	143.88	102.53	680.32	-3,664.06	842.58	560.98	281.60	2.992		
11,900.00	7,070.00	12,101.50	7,252.69	147.19	146.65	102.51	680.40	-3,764.06	843.15	556.11	287.04	2.937		
12,000.00	7,070.23	12,201.50	7,252.87	149.97	149.43	102.50	680.47	-3,864.06	843.73	551.25	292.48	2.885		
12,100.00	7,070.46	12,301.51	7,253.05	152.75	152.20	102.49	680.55	-3,964.06	844.31	546.37	297.94	2.834		
12,200.00	7,070.69	12,401.51	7,253.23	155.53	154.98	102.48	680.63	-4,064.06	844.88	541.49	303.39	2.785		
12,300.00	7,070.92	12,501.51	7,253.40	158.32	157.76	102.47	680.71	-4,164.05	845.46	536.60	308.86	2.737		
12,400.00	7,071.16	12,601.51	7,253.58	161.10	160.55	102.45	680.78	-4,264.05	846.03	531.71	314.32	2.692		
12,500.00	7,071.39	12,701.51	7,253.76	163.89	163.34	102.44	680.86	-4,364.05	846.61	526.81	319.80	2.647		
12,600.00	7,071.62	12,801.52	7,253.93	166.69	166.13	102.43	680.94	-4,464.05	847.18	521.91	325.28	2.604		
12,700.00	7,071.85	12,901.52	7,254.11	169.48	168.92	102.42	681.02	-4,564.05	847.76	517.00	330.76	2.563		
12,800.00	7,072.08	13,001.52	7,254.29	172.28	171.71	102.40	681.09	-4,664.04	848.34	512.09	336.25	2.523		
12,900.00	7,072.31	13,101.52	7,254.47	175.08	174.51	102.39	681.17	-4,764.04	848.91	507.17	341.74	2.484		
13,000.00	7,072.54	13,201.52	7,254.64	177.88	177.31	102.38	681.25	-4,864.04	849.49	502.25	347.24	2.446		
13,100.00	7,072.77	13,301.52	7,254.82	180.68	180.11	102.37	681.33	-4,964.04	850.06	497.32	352.74	2.410		
13,200.00	7,073.00	13,401.53	7,255.00	183.48	182.91	102.36	681.40	-5,064.04	850.64	492.39	358.25	2.374		
13,300.00	7,073.23	13,501.53	7,255.17	186.29	185.72	102.34	681.48	-5,164.03	851.22	487.46	363.75	2.340		
13,400.00	7,073.46	13,601.53	7,255.35	189.09	188.52	102.33	681.56	-5,264.03	851.79	482.53	369.27	2.307		
13,500.00	7,073.69	13,701.53	7,255.53	191.90	191.33	102.32	681.63	-5,364.03	852.37	477.59	374.78	2.274		
13,600.00	7,073.92	13,801.53	7,255.71	194.71	194.14	102.31	681.71	-5,464.03	852.95	472.64	380.30	2.243		
13,700.00	7,074.15	13,901.54	7,255.88	197.52	196.95	102.29	681.79	-5,564.03	853.52	467.70	385.82	2.212		
13,800.00	7,074.38	14,001.54	7,256.06	200.34	199.76	102.28	681.87	-5,664.02	854.10	462.75	391.35	2.182		
13,900.00	7,074.61	14,101.54	7,256.24	203.15	202.58	102.27	681.94	-5,764.02	854.67	457.80	396.88	2.154		
14,000.00	7,074.84	14,201.54	7,256.41	205.97	205.39	102.26	682.02	-5,864.02	855.25	452.84	402.41	2.125		

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

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

Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,075.07	14,301.54	7,256.59	208.78	208.21	102.25	682.10	-5,964.02	855.83	447.89	407.94	2.098		
14,200.00	7,075.30	14,401.54	7,256.77	211.60	211.03	102.23	682.18	-6,064.02	856.40	442.93	413.48	2.071		
14,300.00	7,075.54	14,501.55	7,256.95	214.42	213.84	102.22	682.25	-6,164.01	856.98	437.96	419.02	2.045		
14,400.00	7,075.77	14,601.55	7,257.12	217.24	216.66	102.21	682.33	-6,264.01	857.56	433.00	424.56	2.020		
14,500.00	7,076.00	14,701.55	7,257.30	220.06	219.48	102.20	682.41	-6,364.01	858.13	428.03	430.10	1.995		
14,600.00	7,076.23	14,801.55	7,257.48	222.88	222.31	102.19	682.49	-6,464.01	858.71	423.06	435.65	1.971		
14,700.00	7,076.46	14,901.55	7,257.66	225.70	225.13	102.17	682.56	-6,564.01	859.29	418.09	441.20	1.948		
14,800.00	7,076.69	15,001.56	7,257.83	228.53	227.95	102.16	682.64	-6,664.00	859.86	413.12	446.75	1.925		
14,900.00	7,076.92	15,101.56	7,258.01	231.35	230.78	102.15	682.72	-6,764.00	860.44	408.14	452.30	1.902		
15,000.00	7,077.15	15,201.56	7,258.19	234.18	233.60	102.14	682.80	-6,864.00	861.02	403.16	457.85	1.881		
15,100.00	7,077.38	15,301.56	7,258.36	237.00	236.43	102.13	682.87	-6,964.00	861.59	398.18	463.41	1.859		
15,200.00	7,077.61	15,401.56	7,258.54	239.83	239.25	102.11	682.95	-7,064.00	862.17	393.20	468.97	1.838		
15,300.00	7,077.84	15,501.56	7,258.72	242.66	242.08	102.10	683.03	-7,163.99	862.75	388.22	474.53	1.818		
15,400.00	7,078.07	15,601.57	7,258.90	245.49	244.91	102.09	683.11	-7,263.99	863.32	383.23	480.09	1.798		
15,500.00	7,078.30	15,701.57	7,259.07	248.31	247.74	102.08	683.18	-7,363.99	863.90	378.25	485.66	1.779		
15,600.00	7,078.53	15,801.57	7,259.25	251.14	250.57	102.07	683.26	-7,463.99	864.48	373.26	491.22	1.760		
15,700.00	7,078.76	15,901.57	7,259.43	253.97	253.40	102.06	683.34	-7,563.99	865.06	368.27	496.79	1.741		
15,800.00	7,078.99	16,001.57	7,259.60	256.80	256.23	102.04	683.42	-7,663.98	865.63	363.27	502.36	1.723		
15,900.00	7,079.22	16,101.58	7,259.78	259.64	259.06	102.03	683.49	-7,763.98	866.21	358.28	507.93	1.705		
16,000.00	7,079.45	16,201.58	7,259.96	262.47	261.90	102.02	683.57	-7,863.98	866.79	353.29	513.50	1.688		
16,100.00	7,079.69	16,301.58	7,260.14	265.30	264.73	102.01	683.65	-7,963.98	867.36	348.29	519.07	1.671		
16,200.00	7,079.92	16,401.58	7,260.31	268.13	267.56	102.00	683.73	-8,063.98	867.94	343.29	524.65	1.654		
16,300.00	7,080.15	16,501.58	7,260.49	270.97	270.40	101.99	683.80	-8,163.97	868.52	338.29	530.23	1.638		
16,400.00	7,080.38	16,601.58	7,260.67	273.80	273.23	101.97	683.88	-8,263.97	869.10	333.29	535.80	1.622		
16,500.00	7,080.61	16,701.59	7,260.84	276.64	276.07	101.96	683.96	-8,363.97	869.67	328.29	541.38	1.606		
16,600.00	7,080.84	16,801.59	7,261.02	279.47	278.90	101.95	684.04	-8,463.97	870.25	323.29	546.96	1.591		
16,700.00	7,081.07	16,901.59	7,261.20	282.31	281.74	101.94	684.11	-8,563.97	870.83	318.28	552.55	1.576		
16,800.00	7,081.30	17,001.59	7,261.38	285.14	284.58	101.93	684.19	-8,663.96	871.41	313.28	558.13	1.561		
16,900.00	7,081.53	17,101.59	7,261.55	287.98	287.41	101.92	684.27	-8,763.96	871.98	308.27	563.71	1.547		
17,000.00	7,081.76	17,201.60	7,261.73	290.82	290.25	101.90	684.35	-8,863.96	872.56	303.26	569.30	1.533		
17,100.00	7,081.99	17,301.60	7,261.91	293.65	293.09	101.89	684.42	-8,963.96	873.14	298.25	574.89	1.519		
17,200.00	7,082.22	17,401.60	7,262.08	296.49	295.93	101.88	684.50	-9,063.96	873.72	293.24	580.47	1.505		
17,300.00	7,082.45	17,501.60	7,262.26	299.33	298.77	101.87	684.58	-9,163.95	874.29	288.23	586.06	1.492 Level 3		
17,400.00	7,082.68	17,601.60	7,262.44	302.17	301.61	101.86	684.66	-9,263.95	874.87	283.22	591.65	1.479 Level 3		
17,500.00	7,082.91	17,701.60	7,262.62	305.01	304.45	101.85	684.73	-9,363.95	875.45	278.20	597.25	1.466 Level 3		
17,600.00	7,083.14	17,801.61	7,262.79	307.85	307.29	101.83	684.81	-9,463.95	876.03	273.19	602.84	1.453 Level 3		
17,700.00	7,083.37	17,901.61	7,262.97	310.69	310.13	101.82	684.89	-9,563.95	876.60	268.17	608.43	1.441 Level 3		
17,800.00	7,083.60	18,001.61	7,263.15	313.53	312.97	101.81	684.97	-9,663.94	877.18	263.15	614.03	1.429 Level 3		
17,900.00	7,083.84	18,101.61	7,263.32	316.37	315.81	101.80	685.04	-9,763.94	877.76	258.14	619.62	1.417 Level 3		
18,000.00	7,084.07	18,201.61	7,263.50	319.21	318.65	101.79	685.12	-9,863.94	878.34	253.12	625.22	1.405 Level 3		
18,100.00	7,084.30	18,301.62	7,263.68	322.05	321.49	101.78	685.20	-9,963.94	878.92	248.10	630.82	1.393 Level 3		
18,200.00	7,084.53	18,401.62	7,263.86	324.89	324.34	101.77	685.28	-10,063.94	879.49	243.08	636.42	1.382 Level 3		
18,300.00	7,084.76	18,501.62	7,264.03	327.73	327.18	101.75	685.35	-10,163.93	880.07	238.06	642.02	1.371 Level 3		
18,400.00	7,084.99	18,601.62	7,264.21	330.57	330.02	101.74	685.43	-10,263.93	880.65	233.03	647.62	1.360 Level 3		
18,500.00	7,085.22	18,701.62	7,264.39	333.41	332.86	101.73	685.51	-10,363.93	881.23	228.01	653.22	1.349 Level 3		
18,600.00	7,085.45	18,801.62	7,264.56	336.26	335.71	101.72	685.59	-10,463.93	881.81	222.99	658.82	1.338 Level 3		
18,700.00	7,085.68	18,901.63	7,264.74	339.10	338.55	101.71	685.66	-10,563.93	882.38	217.96	664.42	1.328 Level 3		
18,800.00	7,085.91	19,001.63	7,264.92	341.94	341.40	101.70	685.74	-10,663.92	882.96	212.93	670.03	1.318 Level 3		
18,839.14	7,086.00	19,037.51	7,264.99	343.06	342.42	101.69	685.77	-10,703.06	883.19	211.06	672.13	1.314 Level 3, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.71	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		
300.00	300.00	300.00	300.00	3.44	3.44	0.71	45.18	0.56	45.18	38.29	6.89	6.558 CC		
400.00	399.98	399.50	399.48	3.60	3.60	-94.90	45.70	2.20	45.87	38.67	7.20	6.371		
500.00	499.84	498.98	498.82	3.80	3.80	-95.18	47.26	7.14	47.94	40.34	7.60	6.310		
600.00	599.45	598.40	597.86	4.04	4.04	-95.58	49.85	15.36	51.38	43.30	8.07	6.363		
700.00	698.70	697.74	696.46	4.31	4.32	-96.05	53.47	26.85	56.20	47.57	8.63	6.515		
800.00	797.47	796.97	794.48	4.62	4.62	-96.54	58.11	41.56	62.38	53.14	9.24	6.749		
900.00	895.62	896.06	891.76	4.97	4.96	-97.01	63.76	59.48	69.93	60.01	9.92	7.047		
980.89	974.49	976.45	970.29	5.27	5.25	-97.70	68.94	75.92	76.91	66.39	10.52	7.312		
1,000.00	993.07	1,004.52	988.87	5.34	5.36	-98.05	70.18	79.85	78.60	67.90	10.70	7.347		
1,100.00	1,090.26	1,095.06	1,086.09	5.75	5.71	-99.64	76.65	100.37	87.51	76.06	11.45	7.642		
1,200.00	1,187.45	1,205.37	1,183.31	6.17	6.17	-100.94	83.12	120.89	96.48	84.16	12.32	7.829		
1,300.00	1,284.64	1,305.79	1,280.54	6.62	6.60	-102.02	89.59	141.41	105.49	92.30	13.19	8.000		
1,400.00	1,381.83	1,406.22	1,377.76	7.07	7.04	-102.93	96.06	161.93	114.53	100.46	14.07	8.139		
1,500.00	1,479.01	1,506.64	1,474.98	7.54	7.49	-103.71	102.53	182.46	123.59	108.61	14.98	8.252		
1,600.00	1,576.20	1,607.07	1,572.20	8.02	7.94	-104.38	109.00	202.98	132.67	116.77	15.90	8.344		
1,700.00	1,673.39	1,707.49	1,669.43	8.50	8.41	-104.96	115.47	223.50	141.77	124.94	16.84	8.421		
1,800.00	1,770.58	1,807.92	1,766.65	8.99	8.88	-105.47	121.94	244.02	150.88	133.10	17.78	8.484		
1,900.00	1,867.77	1,908.34	1,863.87	9.48	9.35	-105.93	128.41	264.55	160.00	141.26	18.74	8.538		
2,000.00	1,964.96	2,008.76	1,961.10	9.98	9.83	-106.33	134.88	285.07	169.14	149.43	19.71	8.583		
2,100.00	2,062.15	2,109.19	2,058.32	10.49	10.31	-106.70	141.35	305.59	178.27	157.59	20.68	8.621		
2,200.00	2,159.34	2,190.39	2,155.54	10.99	10.71	-107.03	147.83	326.11	187.42	165.85	21.56	8.691		
2,300.00	2,256.53	2,289.96	2,252.76	11.50	11.19	-107.33	154.30	346.63	196.57	174.03	22.54	8.719		
2,400.00	2,353.71	2,389.54	2,349.99	12.01	11.68	-107.60	160.77	367.16	205.72	182.20	23.53	8.744		
2,500.00	2,450.90	2,489.11	2,447.21	12.53	12.16	-107.85	167.24	387.68	214.88	190.37	24.52	8.765		
2,600.00	2,548.09	2,588.69	2,544.43	13.04	12.65	-108.07	173.71	408.20	224.05	198.54	25.51	8.783		
2,700.00	2,645.28	2,688.26	2,641.65	13.56	13.14	-108.28	180.18	428.72	233.21	206.71	26.50	8.799		
2,800.00	2,742.47	2,787.84	2,738.88	14.08	13.64	-108.48	186.65	449.25	242.38	214.88	27.50	8.814		
2,900.00	2,839.66	2,887.41	2,836.10	14.60	14.13	-108.66	193.12	469.77	251.55	223.05	28.50	8.826		
3,000.00	2,936.85	2,986.99	2,933.32	15.12	14.63	-108.83	199.59	490.29	260.73	231.22	29.50	8.837		
3,100.00	3,034.04	3,086.57	3,030.55	15.65	15.12	-108.98	206.06	510.81	269.90	239.40	30.51	8.847		
3,200.00	3,131.22	3,186.14	3,127.77	16.17	15.62	-109.13	212.53	531.33	279.08	247.57	31.52	8.855		
3,300.00	3,228.41	3,285.72	3,224.99	16.69	16.12	-109.26	219.00	551.86	288.26	255.74	32.52	8.863		
3,400.00	3,325.60	3,385.29	3,322.21	17.22	16.62	-109.39	225.47	572.38	297.44	263.91	33.53	8.870		
3,500.00	3,422.79	3,484.87	3,419.44	17.75	17.12	-109.51	231.94	592.90	306.63	272.08	34.55	8.876		
3,600.00	3,519.98	3,584.44	3,516.66	18.27	17.62	-109.63	238.41	613.42	315.81	280.25	35.56	8.882		
3,700.00	3,617.17	3,684.02	3,613.88	18.80	18.12	-109.73	244.89	633.95	325.00	288.42	36.57	8.887		
3,800.00	3,714.36	3,783.59	3,711.10	19.33	18.62	-109.83	251.36	654.47	334.18	296.59	37.59	8.891		
3,900.00	3,811.55	3,883.17	3,808.33	19.86	19.12	-109.93	257.83	674.99	343.37	304.77	38.60	8.895		
4,000.00	3,908.74	3,982.75	3,905.55	20.39	19.62	-110.02	264.30	695.51	352.56	312.94	39.62	8.899		
4,100.00	4,005.92	4,082.32	4,002.77	20.92	20.13	-110.11	270.77	716.03	361.75	321.11	40.64	8.902		
4,200.00	4,103.11	4,181.90	4,099.99	21.45	20.63	-110.19	277.24	736.56	370.93	329.28	41.66	8.905		
4,300.00	4,200.30	4,281.47	4,197.22	21.98	21.13	-110.27	283.71	757.08	380.13	337.45	42.67	8.908		
4,400.00	4,297.49	4,381.05	4,294.44	22.51	21.64	-110.34	290.18	777.60	389.32	345.62	43.69	8.910		
4,500.00	4,394.68	4,480.62	4,391.66	23.04	22.14	-110.41	296.65	798.12	398.51	353.79	44.71	8.912		
4,600.00	4,491.87	4,580.20	4,488.89	23.57	22.64	-110.48	303.12	818.65	407.70	361.96	45.74	8.914		
4,700.00	4,589.06	4,679.77	4,586.11	24.10	23.15	-110.54	309.59	839.17	416.89	370.14	46.76	8.916		
4,800.00	4,686.25	4,779.35	4,683.33	24.64	23.65	-110.61	316.06	859.69	426.09	378.31	47.78	8.918		
4,900.00	4,783.43	4,878.92	4,780.55	25.17	24.16	-110.66	322.53	880.21	435.28	386.48	48.80	8.919		
5,000.00	4,880.62	4,978.50	4,877.78	25.70	24.67	-110.72	329.00	900.73	444.47	394.65	49.82	8.921		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: O-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,977.81	5,078.08	4,975.00	26.23	25.17	-110.78	335.47	921.26	453.67	402.82	50.85	8.922		
5,200.00	5,075.00	5,177.65	5,072.22	26.77	25.68	-110.83	341.94	941.78	462.86	410.99	51.87	8.923		
5,300.00	5,172.19	5,277.23	5,169.44	27.30	26.18	-110.88	348.42	962.30	472.06	419.16	52.90	8.924		
5,400.00	5,269.38	5,376.80	5,266.67	27.83	26.69	-110.93	354.89	982.82	481.25	427.33	53.92	8.925		
5,457.75	5,325.51	5,434.31	5,322.81	28.14	26.98	-110.95	358.62	994.68	486.56	432.05	54.51	8.926		
5,500.00	5,366.64	5,476.39	5,363.90	28.37	27.20	-111.01	361.36	1,003.35	490.34	435.39	54.94	8.924		
5,600.00	5,464.53	5,576.02	5,461.18	28.87	27.70	-110.86	367.83	1,023.88	498.39	442.43	55.96	8.906		
5,700.00	5,563.07	5,675.62	5,558.42	29.35	28.21	-110.33	374.30	1,044.41	505.24	448.28	56.97	8.869		
5,800.00	5,662.15	5,775.04	5,655.50	29.80	28.72	-109.43	380.76	1,064.90	511.00	453.04	57.96	8.817		
5,900.00	5,761.64	5,874.18	5,752.29	30.23	29.22	-108.17	387.21	1,085.33	515.82	456.88	58.94	8.752		
6,000.00	5,861.42	5,972.91	5,848.69	30.64	29.72	-106.57	393.62	1,105.68	519.92	460.02	59.90	8.679		
6,100.00	5,961.36	6,071.11	5,944.57	31.02	30.22	-104.65	400.00	1,125.92	523.58	462.74	60.85	8.605		
6,138.64	6,000.00	6,108.88	5,981.45	31.16	30.42	-8.31	402.46	1,133.70	524.95	463.75	61.20	8.577		
6,200.00	6,061.36	6,168.80	6,039.95	31.38	30.72	-6.92	406.35	1,146.05	527.28	465.52	61.76	8.537		
6,300.00	6,161.36	6,266.43	6,135.28	31.74	31.22	-4.68	412.70	1,166.17	531.77	469.10	62.67	8.486		
6,400.00	6,261.36	6,364.07	6,230.61	32.10	31.72	-2.48	419.04	1,186.30	537.08	473.53	63.56	8.450		
6,500.00	6,361.36	6,461.59	6,325.90	32.46	32.21	-0.37	425.38	1,206.01	543.21	478.78	64.43	8.431		
6,562.02	6,423.38	6,523.07	6,386.75	32.68	32.49	0.43	429.43	1,213.60	547.33	482.39	64.94	8.428		
6,600.00	6,461.34	6,561.20	6,424.75	32.82	32.64	90.80	431.96	1,215.35	549.89	484.65	65.24	8.429		
6,650.00	6,511.08	6,611.67	6,475.08	32.99	32.83	90.88	435.30	1,214.14	553.27	487.66	65.61	8.433		
6,700.00	6,560.29	6,662.44	6,525.46	33.17	33.01	90.96	438.65	1,208.90	556.66	490.68	65.98	8.437		
6,750.00	6,608.64	6,713.52	6,575.56	33.36	33.20	91.03	441.98	1,199.59	560.04	493.67	66.37	8.438		
6,800.00	6,655.86	6,764.91	6,625.05	33.56	33.40	91.09	445.26	1,186.19	563.38	496.60	66.78	8.436		
6,850.00	6,701.64	6,816.61	6,673.58	33.78	33.60	91.15	448.48	1,168.72	566.65	499.43	67.22	8.430		
6,900.00	6,745.71	6,868.61	6,720.81	34.01	33.83	91.19	451.62	1,147.23	569.85	502.15	67.69	8.418		
6,950.00	6,787.79	6,920.91	6,768.39	34.27	34.07	91.23	454.64	1,121.79	572.93	504.73	68.20	8.400		
7,000.00	6,827.62	6,973.49	6,809.95	34.56	34.34	91.26	457.52	1,092.52	575.89	507.13	68.76	8.375		
7,050.00	6,864.96	7,026.34	6,851.17	34.87	34.63	91.28	460.25	1,059.56	578.69	509.32	69.37	8.342		
7,100.00	6,899.58	7,079.45	6,889.69	35.21	34.96	91.29	462.80	1,023.12	581.33	511.28	70.05	8.299		
7,150.00	6,931.26	7,132.79	6,925.20	35.60	35.32	91.29	465.15	983.40	583.77	512.99	70.79	8.247		
7,200.00	6,959.81	7,166.35	6,957.39	36.02	35.72	91.28	467.27	940.67	586.01	514.40	71.61	8.183		
7,250.00	6,985.06	7,240.10	6,985.98	36.47	36.17	91.26	469.16	895.21	588.02	515.51	72.51	8.109		
7,300.00	7,006.84	7,294.01	7,010.71	36.97	36.67	91.23	470.79	847.36	589.79	516.29	73.51	8.024		
7,350.00	7,025.02	7,348.05	7,031.35	37.51	37.21	91.20	472.14	797.45	591.31	516.73	74.58	7.928		
7,400.00	7,039.49	7,402.18	7,047.73	38.09	37.79	91.16	473.21	745.88	592.56	516.82	75.75	7.823		
7,450.00	7,050.17	7,456.38	7,059.69	38.70	38.42	91.10	473.99	693.04	593.54	516.56	76.98	7.710		
7,500.00	7,056.98	7,510.62	7,067.12	39.33	39.08	91.04	474.47	639.34	594.24	515.96	78.29	7.591		
7,550.00	7,059.89	7,564.84	7,069.97	39.99	39.77	90.98	474.64	585.20	594.66	515.02	79.63	7.467		
7,560.55	7,060.00	7,575.89	7,070.00	40.13	39.91	90.96	474.64	574.16	594.71	514.79	79.92	7.441		
7,600.00	7,060.09	7,615.34	7,070.00	40.67	40.44	90.96	474.62	534.71	594.90	513.91	80.99	7.345		
7,700.00	7,060.32	7,715.33	7,070.01	42.14	41.88	90.93	474.59	434.71	595.39	511.47	83.92	7.095		
7,800.00	7,060.55	7,815.33	7,070.02	43.75	43.46	90.91	474.55	334.71	595.87	508.76	87.11	6.840		
7,900.00	7,060.78	7,915.33	7,070.03	45.48	45.17	90.89	474.52	234.71	596.36	505.80	90.56	6.585		
8,000.00	7,061.01	8,015.33	7,070.04	47.33	46.98	90.87	474.49	134.71	596.85	502.62	94.23	6.334		
8,100.00	7,061.24	8,115.33	7,070.05	49.27	48.90	90.85	474.45	34.71	597.33	499.24	98.10	6.089		
8,200.00	7,061.47	8,215.33	7,070.06	51.29	50.91	90.82	474.42	-65.28	597.82	495.69	102.13	5.853		
8,300.00	7,061.70	8,315.33	7,070.06	53.40	52.99	90.80	474.39	-165.28	598.31	491.98	106.33	5.627		
8,400.00	7,061.93	8,415.32	7,070.07	55.57	55.15	90.78	474.35	-265.28	598.80	488.14	110.66	5.411		
8,500.00	7,062.16	8,515.32	7,070.08	57.80	57.37	90.76	474.32	-365.28	599.28	484.17	115.11	5.206		
8,600.00	7,062.39	8,615.32	7,070.09	60.08	59.64	90.74	474.29	-465.28	599.77	480.10	119.67	5.012		
8,700.00	7,062.63	8,715.32	7,070.10	62.42	61.96	90.71	474.25	-565.28	600.26	475.93	124.32	4.828		
8,800.00	7,062.86	8,815.32	7,070.11	64.79	64.32	90.69	474.22	-665.28	600.74	471.68	129.07	4.655		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	8,915.32	7,070.12	67.20	66.72	90.67	474.18	-765.27	601.23	467.35	133.88	4.491		
9,000.00	7,063.32	9,015.32	7,070.13	69.65	69.16	90.65	474.15	-865.27	601.72	462.95	138.77	4.336		
9,100.00	7,063.55	9,115.31	7,070.14	72.12	71.63	90.63	474.12	-965.27	602.21	458.49	143.72	4.190		
9,200.00	7,063.78	9,215.31	7,070.14	74.63	74.13	90.61	474.08	-1,065.27	602.70	453.98	148.72	4.053		
9,300.00	7,064.01	9,315.31	7,070.15	77.16	76.65	90.58	474.05	-1,165.27	603.18	449.41	153.77	3.923		
9,400.00	7,064.24	9,415.31	7,070.16	79.71	79.20	90.56	474.02	-1,265.27	603.67	444.80	158.87	3.800		
9,500.00	7,064.47	9,515.31	7,070.17	82.28	81.76	90.54	473.98	-1,365.27	604.16	440.15	164.01	3.684		
9,600.00	7,064.70	9,615.31	7,070.18	84.87	84.35	90.52	473.95	-1,465.26	604.65	435.46	169.18	3.574		
9,700.00	7,064.93	9,715.31	7,070.19	87.47	86.95	90.50	473.91	-1,565.26	605.14	430.74	174.39	3.470		
9,800.00	7,065.16	9,815.30	7,070.20	90.09	89.57	90.48	473.88	-1,665.26	605.63	425.99	179.64	3.371		
9,900.00	7,065.39	9,915.30	7,070.21	92.73	92.20	90.46	473.85	-1,765.26	606.11	421.21	184.90	3.278		
10,000.00	7,065.62	10,015.30	7,070.22	95.38	94.85	90.43	473.81	-1,865.26	606.60	416.40	190.20	3.189		
10,100.00	7,065.85	10,115.30	7,070.22	98.04	97.51	90.41	473.78	-1,965.26	607.09	411.57	195.52	3.105		
10,200.00	7,066.08	10,215.30	7,070.23	100.71	100.18	90.39	473.75	-2,065.25	607.58	406.72	200.86	3.025		
10,300.00	7,066.31	10,315.30	7,070.24	103.39	102.85	90.37	473.71	-2,165.25	608.07	401.85	206.22	2.949		
10,400.00	7,066.54	10,415.30	7,070.25	106.08	105.54	90.35	473.68	-2,265.25	608.56	396.95	211.60	2.876		
10,500.00	7,066.77	10,515.29	7,070.26	108.78	108.24	90.33	473.65	-2,365.25	609.05	392.05	217.00	2.807		
10,600.00	7,067.01	10,615.29	7,070.27	111.48	110.95	90.31	473.61	-2,465.25	609.54	387.12	222.41	2.741		
10,700.00	7,067.24	10,715.29	7,070.28	114.20	113.66	90.29	473.58	-2,565.25	610.02	382.18	227.84	2.677		
10,800.00	7,067.47	10,815.29	7,070.29	116.92	116.38	90.27	473.54	-2,665.25	610.51	377.23	233.29	2.617		
10,900.00	7,067.70	10,915.29	7,070.30	119.65	119.11	90.24	473.51	-2,765.24	611.00	372.26	238.74	2.559		
11,000.00	7,067.93	11,015.29	7,070.30	122.38	121.84	90.22	473.48	-2,865.24	611.49	367.28	244.21	2.504		
11,100.00	7,068.16	11,115.29	7,070.31	125.12	124.58	90.20	473.44	-2,965.24	611.98	362.30	249.69	2.451		
11,200.00	7,068.39	11,215.28	7,070.32	127.86	127.32	90.18	473.41	-3,065.24	612.47	357.30	255.18	2.400		
11,300.00	7,068.62	11,315.28	7,070.33	130.61	130.07	90.16	473.38	-3,165.24	612.96	352.29	260.68	2.351		
11,400.00	7,068.85	11,415.28	7,070.34	133.37	132.83	90.14	473.34	-3,265.24	613.45	347.27	266.18	2.305		
11,500.00	7,069.08	11,515.28	7,070.35	136.12	135.58	90.12	473.31	-3,365.24	613.94	342.24	271.70	2.260		
11,600.00	7,069.31	11,615.28	7,070.36	138.89	138.35	90.10	473.27	-3,465.23	614.43	337.20	277.23	2.216		
11,700.00	7,069.54	11,715.28	7,070.37	141.65	141.11	90.08	473.24	-3,565.23	614.92	332.16	282.76	2.175		
11,800.00	7,069.77	11,815.28	7,070.38	144.42	143.88	90.06	473.21	-3,665.23	615.41	327.11	288.30	2.135		
11,900.00	7,070.00	11,915.27	7,070.38	147.19	146.65	90.04	473.17	-3,765.23	615.90	322.05	293.85	2.096		
12,000.00	7,070.23	12,015.27	7,070.39	149.97	149.43	90.02	473.14	-3,865.23	616.39	316.99	299.40	2.059		
12,100.00	7,070.46	12,115.27	7,070.40	152.75	152.21	89.99	473.11	-3,965.23	616.88	311.92	304.96	2.023		
12,200.00	7,070.69	12,215.27	7,070.41	155.53	154.99	89.97	473.07	-4,065.23	617.37	306.85	310.53	1.988		
12,300.00	7,070.92	12,315.27	7,070.42	158.32	157.78	89.95	473.04	-4,165.22	617.86	301.77	316.10	1.955		
12,400.00	7,071.16	12,415.27	7,070.43	161.10	160.57	89.93	473.01	-4,265.22	618.35	296.68	321.67	1.922		
12,500.00	7,071.39	12,515.26	7,070.44	163.89	163.36	89.91	472.97	-4,365.22	618.84	291.59	327.25	1.891		
12,600.00	7,071.62	12,615.26	7,070.45	166.69	166.15	89.89	472.94	-4,465.22	619.33	286.50	332.84	1.861		
12,700.00	7,071.85	12,715.26	7,070.45	169.48	168.95	89.87	472.90	-4,565.22	619.83	281.40	338.43	1.831		
12,800.00	7,072.08	12,815.26	7,070.46	172.28	171.74	89.85	472.87	-4,665.22	620.32	276.29	344.02	1.803		
12,900.00	7,072.31	12,915.26	7,070.47	175.08	174.54	89.83	472.84	-4,765.22	620.81	271.19	349.62	1.776		
13,000.00	7,072.54	13,015.26	7,070.48	177.88	177.34	89.81	472.80	-4,865.21	621.30	266.08	355.22	1.749		
13,100.00	7,072.77	13,115.26	7,070.49	180.68	180.15	89.79	472.77	-4,965.21	621.79	260.96	360.83	1.723		
13,200.00	7,073.00	13,215.25	7,070.50	183.48	182.95	89.77	472.74	-5,065.21	622.28	255.84	366.44	1.698		
13,300.00	7,073.23	13,315.25	7,070.51	186.29	185.76	89.75	472.70	-5,165.21	622.77	250.72	372.05	1.674		
13,400.00	7,073.46	13,415.25	7,070.52	189.09	188.57	89.73	472.67	-5,265.21	623.26	245.60	377.67	1.650		
13,500.00	7,073.69	13,515.25	7,070.53	191.90	191.37	89.71	472.63	-5,365.21	623.75	240.47	383.28	1.627		
13,600.00	7,073.92	13,615.25	7,070.53	194.71	194.19	89.69	472.60	-5,465.21	624.25	235.34	388.91	1.605		
13,700.00	7,074.15	13,715.25	7,070.54	197.52	197.00	89.67	472.57	-5,565.20	624.74	230.21	394.53	1.583		
13,800.00	7,074.38	13,815.25	7,070.55	200.34	199.81	89.65	472.53	-5,665.20	625.23	225.07	400.16	1.562		
13,900.00	7,074.61	13,915.24	7,070.56	203.15	202.63	89.63	472.50	-5,765.20	625.72	219.94	405.79	1.542		
14,000.00	7,074.84	14,015.24	7,070.57	205.97	205.44	89.61	472.47	-5,865.20	626.21	214.80	411.42	1.522		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	14,115.24	7,070.58	208.78	208.26	89.59	472.43	-5,965.20	626.70	209.65	417.05	1.503		
14,200.00	7,075.30	14,215.24	7,070.59	211.60	211.08	89.57	472.40	-6,065.20	627.20	204.51	422.69	1.484 Level 3		
14,300.00	7,075.54	14,315.24	7,070.60	214.42	213.90	89.55	472.37	-6,165.20	627.69	199.36	428.33	1.465 Level 3		
14,400.00	7,075.77	14,415.24	7,070.61	217.24	216.72	89.53	472.33	-6,265.19	628.18	194.21	433.97	1.448 Level 3		
14,500.00	7,076.00	14,515.24	7,070.61	220.06	219.54	89.51	472.30	-6,365.19	628.67	189.06	439.61	1.430 Level 3		
14,600.00	7,076.23	14,615.23	7,070.62	222.88	222.37	89.49	472.26	-6,465.19	629.17	183.91	445.25	1.413 Level 3		
14,700.00	7,076.46	14,715.23	7,070.63	225.70	225.19	89.47	472.23	-6,565.19	629.66	178.76	450.90	1.396 Level 3		
14,800.00	7,076.69	14,815.23	7,070.64	228.53	228.01	89.45	472.20	-6,665.19	630.15	173.60	456.55	1.380 Level 3		
14,900.00	7,076.92	14,915.23	7,070.65	231.35	230.84	89.43	472.16	-6,765.19	630.64	168.45	462.20	1.364 Level 3		
15,000.00	7,077.15	15,015.23	7,070.66	234.18	233.67	89.41	472.13	-6,865.19	631.13	163.29	467.85	1.349 Level 3		
15,100.00	7,077.38	15,115.23	7,070.67	237.00	236.49	89.39	472.10	-6,965.18	631.63	158.13	473.50	1.334 Level 3		
15,200.00	7,077.61	15,215.23	7,070.68	239.83	239.32	89.37	472.06	-7,065.18	632.12	152.97	479.15	1.319 Level 3		
15,300.00	7,077.84	15,315.22	7,070.69	242.66	242.15	89.35	472.03	-7,165.18	632.61	147.81	484.81	1.305 Level 3		
15,400.00	7,078.07	15,415.22	7,070.69	245.49	244.98	89.33	471.99	-7,265.18	633.11	142.64	490.46	1.291 Level 3		
15,500.00	7,078.30	15,515.22	7,070.70	248.31	247.81	89.31	471.96	-7,365.18	633.60	137.48	496.12	1.277 Level 3		
15,600.00	7,078.53	15,615.22	7,070.71	251.14	250.64	89.29	471.93	-7,465.18	634.09	132.31	501.78	1.264 Level 3		
15,700.00	7,078.76	15,715.22	7,070.72	253.97	253.47	89.27	471.89	-7,565.18	634.58	127.14	507.44	1.251 Level 3		
15,800.00	7,078.99	15,815.22	7,070.73	256.80	256.30	89.26	471.86	-7,665.17	635.08	121.97	513.10	1.238 Level 2		
15,900.00	7,079.22	15,915.22	7,070.74	259.64	259.14	89.24	471.83	-7,765.17	635.57	116.80	518.77	1.225 Level 2		
16,000.00	7,079.45	16,015.21	7,070.75	262.47	261.97	89.22	471.79	-7,865.17	636.06	111.63	524.43	1.213 Level 2		
16,100.00	7,079.69	16,115.21	7,070.76	265.30	264.80	89.20	471.76	-7,965.17	636.56	106.46	530.09	1.201 Level 2		
16,200.00	7,079.92	16,215.21	7,070.77	268.13	267.64	89.18	471.73	-8,065.17	637.05	101.29	535.76	1.189 Level 2		
16,300.00	7,080.15	16,315.21	7,070.77	270.97	270.47	89.16	471.69	-8,165.17	637.54	96.12	541.43	1.178 Level 2		
16,400.00	7,080.38	16,415.21	7,070.78	273.80	273.31	89.14	471.66	-8,265.16	638.04	90.94	547.10	1.166 Level 2		
16,500.00	7,080.61	16,515.21	7,070.79	276.64	276.14	89.12	471.62	-8,365.16	638.53	85.77	552.76	1.155 Level 2		
16,600.00	7,080.84	16,615.21	7,070.80	279.47	278.98	89.10	471.59	-8,465.16	639.03	80.59	558.43	1.144 Level 2		
16,700.00	7,081.07	16,715.20	7,070.81	282.31	281.82	89.08	471.56	-8,565.16	639.52	75.41	564.10	1.134 Level 2		
16,800.00	7,081.30	16,815.20	7,070.82	285.14	284.66	89.06	471.52	-8,665.16	640.01	70.24	569.78	1.123 Level 2		
16,900.00	7,081.53	16,915.20	7,070.83	287.98	287.49	89.04	471.49	-8,765.16	640.51	65.06	575.45	1.113 Level 2		
17,000.00	7,081.76	17,015.20	7,070.84	290.82	290.33	89.02	471.46	-8,865.16	641.00	59.88	581.12	1.103 Level 2		
17,100.00	7,081.99	17,115.20	7,070.85	293.65	293.17	89.01	471.42	-8,965.15	641.50	54.70	586.79	1.093 Level 2		
17,200.00	7,082.22	17,215.20	7,070.85	296.49	296.01	88.99	471.39	-9,065.15	641.99	49.52	592.47	1.084 Level 2		
17,300.00	7,082.45	17,315.20	7,070.86	299.33	298.85	88.97	471.35	-9,165.15	642.48	44.34	598.14	1.074 Level 2		
17,400.00	7,082.68	17,415.19	7,070.87	302.17	301.69	88.95	471.32	-9,265.15	642.98	39.16	603.82	1.065 Level 2		
17,500.00	7,082.91	17,515.19	7,070.88	305.01	304.53	88.93	471.29	-9,365.15	643.47	33.98	609.50	1.056 Level 2		
17,600.00	7,083.14	17,615.19	7,070.89	307.85	307.37	88.91	471.25	-9,465.15	643.97	28.79	615.17	1.047 Level 2		
17,700.00	7,083.37	17,715.19	7,070.90	310.69	310.21	88.89	471.22	-9,565.15	644.46	23.61	620.85	1.038 Level 2		
17,800.00	7,083.60	17,815.19	7,070.91	313.53	313.05	88.87	471.19	-9,665.14	644.96	18.43	626.53	1.029 Level 2		
17,900.00	7,083.84	17,915.19	7,070.92	316.37	315.89	88.85	471.15	-9,765.14	645.45	13.24	632.21	1.021 Level 2		
18,000.00	7,084.07	18,015.19	7,070.93	319.21	318.74	88.84	471.12	-9,865.14	645.94	8.06	637.89	1.013 Level 2		
18,100.00	7,084.30	18,115.18	7,070.93	322.05	321.58	88.82	471.09	-9,965.14	646.44	2.87	643.56	1.004 Level 2		
18,200.00	7,084.53	18,215.18	7,070.94	324.89	324.42	88.80	471.05	-10,065.14	646.93	-2.31	649.25	0.996 Level 1		
18,300.00	7,084.76	18,315.18	7,070.95	327.73	327.26	88.78	471.02	-10,165.14	647.43	-7.50	654.93	0.989 Level 1		
18,400.00	7,084.99	18,415.18	7,070.96	330.57	330.11	88.76	470.98	-10,265.14	647.92	-12.68	660.61	0.981 Level 1		
18,500.00	7,085.22	18,515.18	7,070.97	333.41	332.95	88.74	470.95	-10,365.13	648.42	-17.87	666.29	0.973 Level 1		
18,600.00	7,085.45	18,615.18	7,070.98	336.26	335.80	88.72	470.92	-10,465.13	648.91	-23.06	671.97	0.966 Level 1		
18,700.00	7,085.68	18,715.18	7,070.99	339.10	338.64	88.70	470.88	-10,565.13	649.41	-28.24	677.65	0.958 Level 1		
18,800.00	7,085.91	18,815.17	7,071.00	341.94	341.48	88.69	470.85	-10,665.13	649.91	-33.43	683.34	0.951 Level 1		
18,839.14	7,086.00	18,854.31	7,071.00	343.06	342.60	88.68	470.84	-10,704.27	650.10	-35.46	685.56	0.948 Level 1, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	23.30	6.57	4.547		
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	4.335 CC		
400.00	399.98	399.55	399.53	3.60	3.60	85.33	-30.63	1.28	30.47	23.27	7.20	4.233		
500.00	499.84	499.08	498.92	3.80	3.79	86.18	-32.90	5.94	32.26	24.67	7.59	4.250		
600.00	599.45	598.56	598.02	4.04	4.03	87.40	-36.68	13.69	35.26	27.19	8.07	4.371		
700.00	698.70	697.98	696.70	4.31	4.30	88.78	-41.97	24.53	39.47	30.86	8.61	4.583		
800.00	797.47	797.31	794.81	4.62	4.60	90.17	-48.74	38.42	44.91	35.68	9.23	4.866		
900.00	895.62	896.53	892.22	4.97	4.94	91.44	-57.00	55.34	51.57	41.66	9.91	5.204		
980.89	974.49	976.91	970.69	5.27	5.24	92.59	-64.66	71.05	57.78	47.27	10.51	5.499		
1,000.00	993.07	1,004.04	989.26	5.34	5.35	93.04	-66.51	74.84	59.28	48.60	10.68	5.549		
1,100.00	1,090.26	1,104.38	1,086.45	5.75	5.75	95.08	-76.18	94.67	67.22	55.73	11.49	5.851		
1,200.00	1,187.45	1,204.72	1,183.64	6.17	6.17	96.69	-85.85	114.50	75.21	62.88	12.33	6.100		
1,300.00	1,284.64	1,305.06	1,280.82	6.62	6.61	97.98	-95.52	134.33	83.26	70.05	13.21	6.304		
1,400.00	1,381.83	1,405.40	1,378.01	7.07	7.06	99.05	-105.19	154.16	91.34	77.23	14.11	6.474		
1,500.00	1,479.01	1,505.74	1,475.20	7.54	7.52	99.95	-114.87	173.99	99.45	84.42	15.03	6.615		
1,600.00	1,576.20	1,606.08	1,572.39	8.02	7.99	100.70	-124.54	193.82	107.58	91.60	15.97	6.734		
1,700.00	1,673.39	1,693.58	1,669.57	8.50	8.41	101.36	-134.21	213.65	115.72	98.85	16.87	6.860		
1,800.00	1,770.58	1,806.76	1,766.76	8.99	8.95	101.92	-143.88	233.48	123.88	105.98	17.90	6.921		
1,900.00	1,867.77	1,907.10	1,863.95	9.48	9.44	102.42	-153.55	253.31	132.05	113.17	18.88	6.995		
2,000.00	1,964.96	2,007.44	1,961.13	9.98	9.93	102.86	-163.22	273.14	140.22	120.36	19.86	7.059		
2,100.00	2,062.15	2,107.78	2,058.32	10.49	10.43	103.25	-172.90	292.97	148.40	127.55	20.86	7.115		
2,200.00	2,159.34	2,208.12	2,155.51	10.99	10.92	103.60	-182.57	312.80	156.59	134.73	21.86	7.164		
2,300.00	2,256.53	2,291.54	2,252.69	11.50	11.34	103.91	-192.24	332.63	164.79	142.01	22.78	7.233		
2,400.00	2,353.71	2,408.80	2,348.88	12.01	11.93	104.20	-201.91	352.46	172.99	149.11	23.88	7.245		
2,500.00	2,450.90	2,509.14	2,447.07	12.53	12.44	104.46	-211.58	372.29	181.19	156.30	24.89	7.279		
2,600.00	2,548.09	2,609.48	2,544.26	13.04	12.94	104.69	-221.25	392.12	189.40	163.48	25.91	7.309		
2,700.00	2,645.28	2,709.82	2,641.44	13.56	13.45	104.91	-230.93	411.95	197.61	170.67	26.94	7.336		
2,800.00	2,742.47	2,789.84	2,738.63	14.08	13.86	105.11	-240.60	431.78	205.82	177.96	27.86	7.388		
2,900.00	2,839.66	2,889.50	2,835.82	14.60	14.37	105.29	-250.27	451.61	214.03	185.15	28.88	7.410		
3,000.00	2,936.85	2,989.16	2,933.00	15.12	14.88	105.47	-259.94	471.44	222.25	192.34	29.91	7.430		
3,100.00	3,034.04	3,088.82	3,030.19	15.65	15.39	105.62	-269.61	491.27	230.47	199.53	30.94	7.449		
3,200.00	3,131.22	3,188.48	3,127.38	16.17	15.90	105.77	-279.28	511.10	238.69	206.72	31.97	7.466		
3,300.00	3,228.41	3,288.14	3,224.57	16.69	16.41	105.91	-288.95	530.93	246.91	213.90	33.00	7.481		
3,400.00	3,325.60	3,387.80	3,321.75	17.22	16.93	106.04	-298.63	550.76	255.13	221.09	34.04	7.495		
3,500.00	3,422.79	3,487.46	3,418.94	17.75	17.44	106.16	-308.30	570.59	263.35	228.28	35.07	7.508		
3,600.00	3,519.98	3,587.12	3,516.13	18.27	17.95	106.27	-317.97	590.41	271.58	235.47	36.11	7.520		
3,700.00	3,617.17	3,686.78	3,613.31	18.80	18.47	106.38	-327.64	610.24	279.81	242.65	37.15	7.532		
3,800.00	3,714.36	3,786.44	3,710.50	19.33	18.99	106.48	-337.31	630.07	288.03	249.84	38.19	7.542		
3,900.00	3,811.55	3,886.10	3,807.69	19.86	19.50	106.58	-346.98	649.90	296.26	257.03	39.23	7.552		
4,000.00	3,908.74	3,985.76	3,904.87	20.39	20.02	106.67	-356.66	669.73	304.49	264.22	40.27	7.561		
4,100.00	4,005.92	4,085.42	4,002.06	20.92	20.54	106.75	-366.33	689.56	312.72	271.40	41.32	7.569		
4,200.00	4,103.11	4,185.08	4,099.25	21.45	21.05	106.83	-376.00	709.39	320.95	278.59	42.36	7.577		
4,300.00	4,200.30	4,284.74	4,196.44	21.98	21.57	106.91	-385.67	729.22	329.18	285.77	43.40	7.584		
4,400.00	4,297.49	4,384.39	4,293.62	22.51	22.09	106.98	-395.34	749.05	337.41	292.96	44.45	7.591		
4,500.00	4,394.68	4,484.05	4,390.81	23.04	22.61	107.05	-405.01	768.88	345.64	300.15	45.49	7.598		
4,600.00	4,491.87	4,583.71	4,488.00	23.57	23.13	107.12	-414.68	788.71	353.87	307.33	46.54	7.604		
4,700.00	4,589.06	4,683.37	4,585.18	24.10	23.65	107.18	-424.36	808.54	362.10	314.52	47.59	7.609		
4,800.00	4,686.25	4,783.03	4,682.37	24.64	24.17	107.24	-434.03	828.37	370.34	321.70	48.63	7.615		
4,900.00	4,783.43	4,882.69	4,779.56	25.17	24.69	107.30	-443.70	848.20	378.57	328.89	49.68	7.620		
5,000.00	4,880.62	4,982.35	4,876.74	25.70	25.21	107.36	-453.37	868.03	386.80	336.07	50.73	7.625		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,082.01	4,973.93	26.23	25.73	107.41	-463.04	887.86	395.04	343.26	51.78	7.629		
5,200.00	5,075.00	5,181.67	5,071.12	26.77	26.25	107.46	-472.71	907.69	403.27	350.44	52.83	7.634		
5,300.00	5,172.19	5,281.33	5,168.31	27.30	26.77	107.51	-482.39	927.52	411.51	357.63	53.88	7.638		
5,400.00	5,269.38	5,380.99	5,265.49	27.83	27.29	107.56	-492.06	947.35	419.74	364.81	54.93	7.642		
5,457.75	5,325.51	5,438.55	5,321.62	28.14	27.59	107.58	-497.64	958.80	424.50	368.96	55.53	7.644		
5,500.00	5,366.64	5,480.66	5,362.69	28.37	27.81	107.63	-501.73	967.18	427.88	371.91	55.97	7.644		
5,600.00	5,464.53	5,580.35	5,459.91	28.87	28.33	107.40	-511.40	987.02	435.15	378.15	57.00	7.634		
5,700.00	5,563.07	5,679.97	5,557.05	29.35	28.85	106.74	-521.07	1,006.84	441.43	383.43	58.00	7.611		
5,800.00	5,662.15	5,779.39	5,654.01	29.80	29.37	105.66	-530.72	1,026.62	446.84	387.87	58.97	7.578		
5,900.00	5,761.64	5,878.50	5,750.65	30.23	29.89	104.18	-540.34	1,046.34	451.58	391.68	59.90	7.538		
6,000.00	5,861.42	5,977.17	5,846.87	30.64	30.41	102.31	-549.91	1,065.97	455.91	395.11	60.80	7.498		
6,100.00	5,961.36	6,075.27	5,942.55	31.02	30.92	100.07	-559.43	1,085.49	460.15	398.50	61.65	7.463		
6,138.64	6,000.00	6,113.01	5,979.34	31.16	31.12	-165.37	-563.10	1,093.00	461.85	399.88	61.97	7.453		
6,200.00	6,061.36	6,172.85	6,037.70	31.38	31.43	-166.98	-568.90	1,104.91	464.78	402.33	62.45	7.442		
6,300.00	6,161.36	6,270.37	6,132.80	31.74	31.94	-169.55	-578.37	1,124.31	470.37	407.14	63.23	7.439		
6,400.00	6,261.36	6,367.88	6,227.90	32.10	32.46	-172.05	-587.83	1,143.71	476.92	412.92	63.99	7.453		
6,500.00	6,361.36	6,465.40	6,323.00	32.46	32.97	-174.49	-597.29	1,163.12	484.39	419.65	64.74	7.482		
6,562.02	6,423.38	6,525.88	6,381.97	32.68	33.28	-175.96	-603.16	1,175.15	489.47	424.27	65.20	7.507		
6,600.00	6,461.34	6,562.67	6,417.85	32.82	33.48	-86.38	-606.73	1,182.47	492.68	427.21	65.47	7.525		
6,650.00	6,511.08	6,610.20	6,464.20	32.99	33.73	-87.64	-611.35	1,191.93	497.00	431.22	65.78	7.555		
6,700.00	6,560.29	6,658.86	6,509.86	33.17	33.96	-89.11	-615.89	1,200.35	501.72	435.65	66.07	7.594		
6,750.00	6,608.64	6,704.57	6,557.04	33.36	34.18	-90.58	-620.56	1,205.61	506.95	440.59	66.36	7.640		
6,800.00	6,655.86	6,753.68	6,605.86	33.56	34.38	-92.04	-625.39	1,207.29	512.65	446.01	66.65	7.692		
6,850.00	6,701.64	6,804.30	6,656.19	33.78	34.55	-93.49	-630.35	1,205.07	518.79	451.86	66.93	7.751		
6,900.00	6,745.71	6,856.61	6,707.82	34.01	34.72	-94.92	-635.41	1,198.56	525.31	458.07	67.23	7.813		
6,950.00	6,787.79	6,910.74	6,760.51	34.27	34.89	-96.32	-640.57	1,187.36	532.12	464.58	67.54	7.879		
7,000.00	6,827.62	6,966.86	6,813.94	34.56	35.08	-97.68	-645.77	1,171.05	539.13	471.29	67.84	7.947		
7,050.00	6,864.96	7,025.11	6,867.66	34.87	35.28	-99.01	-650.99	1,149.19	546.24	478.11	68.13	8.018		
7,100.00	6,899.58	7,085.65	6,921.14	35.21	35.52	-100.29	-656.15	1,121.35	553.33	484.92	68.40	8.089		
7,150.00	6,931.26	7,148.57	6,973.68	35.60	35.78	-101.51	-661.19	1,087.14	560.25	491.58	68.67	8.158		
7,200.00	6,959.81	7,213.97	7,024.45	36.02	36.10	-102.66	-666.04	1,046.25	566.87	497.91	68.96	8.220		
7,250.00	6,985.06	7,281.87	7,072.46	36.47	36.47	-103.73	-670.58	998.49	573.04	503.72	69.31	8.267		
7,300.00	7,006.84	7,352.22	7,116.57	36.97	36.91	-104.69	-674.71	943.89	578.58	508.82	69.77	8.293		
7,350.00	7,025.02	7,424.87	7,155.55	37.51	37.45	-105.54	-678.30	882.73	583.36	512.96	70.40	8.286		
7,400.00	7,039.49	7,499.59	7,188.14	38.09	38.08	-106.24	-681.25	815.61	587.23	515.96	71.27	8.240		
7,450.00	7,050.17	7,576.03	7,213.15	38.70	38.82	-106.79	-683.42	743.46	590.05	517.62	72.43	8.146		
7,500.00	7,056.98	7,653.72	7,229.58	39.33	39.65	-107.17	-684.73	667.59	591.74	517.84	73.90	8.008		
7,550.00	7,059.89	7,732.14	7,236.72	39.99	40.56	-107.37	-685.11	589.55	592.22	516.56	75.66	7.828		
7,560.55	7,060.00	7,748.72	7,237.00	40.13	40.76	-107.39	-685.07	572.97	592.16	516.10	76.06	7.786		
7,600.00	7,060.09	7,788.66	7,237.07	40.67	41.26	-107.40	-684.92	533.03	591.81	514.73	77.08	7.678		
7,700.00	7,060.32	7,888.65	7,237.26	42.14	42.63	-107.42	-684.53	433.04	590.92	511.08	79.85	7.401		
7,800.00	7,060.55	7,988.65	7,237.44	43.75	44.14	-107.45	-684.14	333.04	590.04	507.15	82.88	7.119		
7,900.00	7,060.78	8,088.64	7,237.63	45.48	45.79	-107.47	-683.75	233.05	589.15	502.99	86.16	6.838		
8,000.00	7,061.01	8,188.64	7,237.82	47.33	47.55	-107.49	-683.36	133.05	588.27	498.61	89.65	6.561		
8,100.00	7,061.24	8,288.64	7,238.00	49.27	49.42	-107.51	-682.97	33.06	587.38	494.04	93.34	6.293		
8,200.00	7,061.47	8,388.63	7,238.19	51.29	51.38	-107.54	-682.57	-66.94	586.50	489.30	97.19	6.034		
8,300.00	7,061.70	8,488.63	7,238.38	53.40	53.43	-107.56	-682.18	-166.93	585.61	484.42	101.19	5.787		
8,400.00	7,061.93	8,588.62	7,238.56	55.57	55.55	-107.58	-681.79	-266.93	584.72	479.40	105.33	5.551		
8,500.00	7,062.16	8,688.62	7,238.75	57.80	57.74	-107.60	-681.40	-366.92	583.84	474.26	109.58	5.328		
8,600.00	7,062.39	8,788.61	7,238.94	60.08	59.98	-107.63	-681.01	-466.92	582.95	469.02	113.93	5.117		
8,700.00	7,062.63	8,888.61	7,239.12	62.42	62.28	-107.65	-680.62	-566.91	582.07	463.69	118.38	4.917		
8,800.00	7,062.86	8,988.61	7,239.31	64.79	64.62	-107.67	-680.23	-666.91	581.18	458.27	122.91	4.728		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,088.60	7,239.49	67.20	67.00	-107.70	-679.84	-766.90	580.30	452.79	127.51	4.551		
9,000.00	7,063.32	9,188.60	7,239.68	69.65	69.42	-107.72	-679.45	-866.90	579.41	447.23	132.18	4.383		
9,100.00	7,063.55	9,288.59	7,239.87	72.12	71.87	-107.74	-679.06	-966.89	578.53	441.62	136.91	4.226		
9,200.00	7,063.78	9,388.59	7,240.05	74.63	74.35	-107.77	-678.67	-1,066.89	577.65	435.96	141.69	4.077		
9,300.00	7,064.01	9,488.59	7,240.24	77.16	76.86	-107.79	-678.28	-1,166.88	576.76	430.25	146.51	3.937		
9,400.00	7,064.24	9,588.58	7,240.43	79.71	79.39	-107.81	-677.89	-1,266.88	575.88	424.50	151.38	3.804		
9,500.00	7,064.47	9,688.58	7,240.61	82.28	81.94	-107.84	-677.50	-1,366.87	574.99	418.71	156.29	3.679		
9,600.00	7,064.70	9,788.57	7,240.80	84.87	84.51	-107.86	-677.11	-1,466.87	574.11	412.88	161.23	3.561		
9,700.00	7,064.93	9,888.57	7,240.98	87.47	87.11	-107.89	-676.71	-1,566.86	573.22	407.02	166.20	3.449		
9,800.00	7,065.16	9,988.56	7,241.17	90.09	89.71	-107.91	-676.32	-1,666.86	572.34	401.14	171.20	3.343		
9,900.00	7,065.39	10,088.56	7,241.36	92.73	92.34	-107.93	-675.93	-1,766.85	571.46	395.23	176.23	3.243		
10,000.00	7,065.62	10,188.56	7,241.54	95.38	94.97	-107.96	-675.54	-1,866.85	570.57	389.29	181.28	3.147		
10,100.00	7,065.85	10,288.55	7,241.73	98.04	97.62	-107.98	-675.15	-1,966.84	569.69	383.34	186.35	3.057		
10,200.00	7,066.08	10,388.55	7,241.92	100.71	100.29	-108.01	-674.76	-2,066.84	568.80	377.36	191.44	2.971		
10,300.00	7,066.31	10,488.54	7,242.10	103.39	102.96	-108.03	-674.37	-2,166.83	567.92	371.37	196.55	2.889		
10,400.00	7,066.54	10,588.54	7,242.29	106.08	105.64	-108.05	-673.98	-2,266.83	567.04	365.36	201.68	2.812		
10,500.00	7,066.77	10,688.54	7,242.47	108.78	108.33	-108.08	-673.59	-2,366.82	566.15	359.33	206.82	2.737		
10,600.00	7,067.01	10,788.53	7,242.66	111.48	111.03	-108.10	-673.20	-2,466.82	565.27	353.29	211.98	2.667		
10,700.00	7,067.24	10,888.53	7,242.85	114.20	113.74	-108.13	-672.81	-2,566.81	564.39	347.24	217.15	2.599		
10,800.00	7,067.47	10,988.52	7,243.03	116.92	116.45	-108.15	-672.42	-2,666.81	563.51	341.17	222.33	2.535		
10,900.00	7,067.70	11,088.52	7,243.22	119.65	119.17	-108.18	-672.03	-2,766.80	562.62	335.10	227.52	2.473		
11,000.00	7,067.93	11,188.51	7,243.41	122.38	121.90	-108.20	-671.64	-2,866.80	561.74	329.01	232.73	2.414		
11,100.00	7,068.16	11,288.51	7,243.59	125.12	124.64	-108.23	-671.25	-2,966.79	560.86	322.92	237.94	2.357		
11,200.00	7,068.39	11,388.51	7,243.78	127.86	127.38	-108.25	-670.86	-3,066.79	559.97	316.82	243.16	2.303		
11,300.00	7,068.62	11,488.50	7,243.96	130.61	130.12	-108.28	-670.46	-3,166.78	559.09	310.71	248.39	2.251		
11,400.00	7,068.85	11,588.50	7,244.15	133.37	132.87	-108.30	-670.07	-3,266.77	558.21	304.59	253.62	2.201		
11,500.00	7,069.08	11,688.49	7,244.34	136.12	135.63	-108.33	-669.68	-3,366.77	557.33	298.46	258.86	2.153		
11,600.00	7,069.31	11,788.49	7,244.52	138.89	138.39	-108.35	-669.29	-3,466.76	556.45	292.33	264.11	2.107		
11,700.00	7,069.54	11,888.49	7,244.71	141.65	141.15	-108.38	-668.90	-3,566.76	555.56	286.19	269.37	2.062		
11,800.00	7,069.77	11,988.48	7,244.90	144.42	143.92	-108.40	-668.51	-3,666.75	554.68	280.05	274.63	2.020		
11,900.00	7,070.00	12,088.48	7,245.08	147.19	146.69	-108.43	-668.12	-3,766.75	553.80	273.91	279.89	1.979		
12,000.00	7,070.23	12,188.47	7,245.27	149.97	149.46	-108.46	-667.73	-3,866.74	552.92	267.75	285.16	1.939		
12,100.00	7,070.46	12,288.47	7,245.46	152.75	152.24	-108.48	-667.34	-3,966.74	552.04	261.60	290.44	1.901		
12,200.00	7,070.69	12,388.46	7,245.64	155.53	155.02	-108.51	-666.95	-4,066.73	551.15	255.44	295.72	1.864		
12,300.00	7,070.92	12,488.46	7,245.83	158.32	157.80	-108.53	-666.56	-4,166.73	550.27	249.27	301.00	1.828		
12,400.00	7,071.16	12,588.46	7,246.01	161.10	160.59	-108.56	-666.17	-4,266.72	549.39	243.11	306.28	1.794		
12,500.00	7,071.39	12,688.45	7,246.20	163.89	163.38	-108.58	-665.78	-4,366.72	548.51	236.94	311.57	1.760		
12,600.00	7,071.62	12,788.45	7,246.39	166.69	166.17	-108.61	-665.39	-4,466.71	547.63	230.77	316.86	1.728		
12,700.00	7,071.85	12,888.44	7,246.57	169.48	168.96	-108.64	-665.00	-4,566.71	546.75	224.59	322.16	1.697		
12,800.00	7,072.08	12,988.44	7,246.76	172.28	171.76	-108.66	-664.60	-4,666.70	545.87	218.41	327.45	1.667		
12,900.00	7,072.31	13,088.43	7,246.95	175.08	174.55	-108.69	-664.21	-4,766.70	544.99	212.24	332.75	1.638		
13,000.00	7,072.54	13,188.43	7,247.13	177.88	177.35	-108.72	-663.82	-4,866.69	544.11	206.05	338.05	1.610		
13,100.00	7,072.77	13,288.43	7,247.32	180.68	180.15	-108.74	-663.43	-4,966.69	543.23	199.87	343.35	1.582		
13,200.00	7,073.00	13,388.42	7,247.50	183.48	182.96	-108.77	-663.04	-5,066.68	542.35	193.69	348.66	1.556		
13,300.00	7,073.23	13,488.42	7,247.69	186.29	185.76	-108.80	-662.65	-5,166.68	541.47	187.50	353.96	1.530		
13,400.00	7,073.46	13,588.41	7,247.88	189.09	188.57	-108.82	-662.26	-5,266.67	540.59	181.32	359.27	1.505		
13,500.00	7,073.69	13,688.41	7,248.06	191.90	191.38	-108.85	-661.87	-5,366.67	539.71	175.13	364.58	1.480 Level 3		
13,600.00	7,073.92	13,788.41	7,248.25	194.71	194.19	-108.88	-661.48	-5,466.66	538.83	168.94	369.89	1.457 Level 3		
13,700.00	7,074.15	13,888.40	7,248.44	197.52	197.00	-108.90	-661.09	-5,566.66	537.95	162.75	375.20	1.434 Level 3		
13,800.00	7,074.38	13,988.40	7,248.62	200.34	199.81	-108.93	-660.70	-5,666.65	537.07	156.56	380.51	1.411 Level 3		
13,900.00	7,074.61	14,088.39	7,248.81	203.15	202.63	-108.96	-660.31	-5,766.65	536.19	150.37	385.82	1.390 Level 3		
14,000.00	7,074.84	14,188.39	7,248.99	205.97	205.44	-108.99	-659.92	-5,866.64	535.31	144.18	391.13	1.369 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	14,288.38	7,249.18	208.78	208.26	-109.01	-659.53	-5,966.64	534.43	137.99	396.44	1.348	Level 3	
14,200.00	7,075.30	14,388.38	7,249.37	211.60	211.08	-109.04	-659.14	-6,066.63	533.55	131.79	401.76	1.328	Level 3	
14,300.00	7,075.54	14,488.38	7,249.55	214.42	213.90	-109.07	-658.74	-6,166.63	532.67	125.60	407.07	1.309	Level 3	
14,400.00	7,075.77	14,588.37	7,249.74	217.24	216.72	-109.10	-658.35	-6,266.62	531.79	119.41	412.38	1.290	Level 3	
14,500.00	7,076.00	14,688.37	7,249.93	220.06	219.54	-109.12	-657.96	-6,366.62	530.91	113.22	417.69	1.271	Level 3	
14,600.00	7,076.23	14,788.36	7,250.11	222.88	222.36	-109.15	-657.57	-6,466.61	530.03	107.03	423.01	1.253	Level 3	
14,700.00	7,076.46	14,888.36	7,250.30	225.70	225.19	-109.18	-657.18	-6,566.61	529.16	100.83	428.32	1.235	Level 2	
14,800.00	7,076.69	14,988.36	7,250.48	228.53	228.01	-109.21	-656.79	-6,666.60	528.28	94.64	433.63	1.218	Level 2	
14,900.00	7,076.92	15,088.35	7,250.67	231.35	230.84	-109.24	-656.40	-6,766.60	527.40	88.45	438.95	1.202	Level 2	
15,000.00	7,077.15	15,188.35	7,250.86	234.18	233.66	-109.26	-656.01	-6,866.59	526.52	82.26	444.26	1.185	Level 2	
15,100.00	7,077.38	15,288.34	7,251.04	237.00	236.49	-109.29	-655.62	-6,966.59	525.64	76.07	449.57	1.169	Level 2	
15,200.00	7,077.61	15,388.34	7,251.23	239.83	239.32	-109.32	-655.23	-7,066.58	524.76	69.88	454.88	1.154	Level 2	
15,300.00	7,077.84	15,488.33	7,251.42	242.66	242.14	-109.35	-654.84	-7,166.57	523.89	63.69	460.19	1.138	Level 2	
15,400.00	7,078.07	15,588.33	7,251.60	245.49	244.97	-109.38	-654.45	-7,266.57	523.01	57.51	465.50	1.124	Level 2	
15,500.00	7,078.30	15,688.33	7,251.79	248.31	247.80	-109.41	-654.06	-7,366.56	522.13	51.32	470.81	1.109	Level 2	
15,600.00	7,078.53	15,788.32	7,251.98	251.14	250.63	-109.43	-653.67	-7,466.56	521.25	45.13	476.12	1.095	Level 2	
15,700.00	7,078.76	15,888.32	7,252.16	253.97	253.47	-109.46	-653.28	-7,566.55	520.38	38.95	481.43	1.081	Level 2	
15,800.00	7,078.99	15,988.31	7,252.35	256.80	256.30	-109.49	-652.88	-7,666.55	519.50	32.76	486.74	1.067	Level 2	
15,900.00	7,079.22	16,088.31	7,252.53	259.64	259.13	-109.52	-652.49	-7,766.54	518.62	26.58	492.04	1.054	Level 2	
16,000.00	7,079.45	16,188.30	7,252.72	262.47	261.96	-109.55	-652.10	-7,866.54	517.75	20.40	497.35	1.041	Level 2	
16,100.00	7,079.69	16,288.30	7,252.91	265.30	264.80	-109.58	-651.71	-7,966.53	516.87	14.22	502.65	1.028	Level 2	
16,200.00	7,079.92	16,388.30	7,253.09	268.13	267.63	-109.61	-651.32	-8,066.53	515.99	8.04	507.95	1.016	Level 2	
16,300.00	7,080.15	16,488.29	7,253.28	270.97	270.47	-109.64	-650.93	-8,166.52	515.12	1.86	513.26	1.004	Level 2	
16,400.00	7,080.38	16,588.29	7,253.47	273.80	273.30	-109.67	-650.54	-8,266.52	514.24	-4.32	518.56	0.992	Level 1	
16,500.00	7,080.61	16,688.28	7,253.65	276.64	276.14	-109.70	-650.15	-8,366.51	513.36	-10.49	523.86	0.980	Level 1	
16,600.00	7,080.84	16,788.28	7,253.84	279.47	278.98	-109.73	-649.76	-8,466.51	512.49	-16.67	529.16	0.969	Level 1	
16,700.00	7,081.07	16,888.28	7,254.02	282.31	281.81	-109.76	-649.37	-8,566.50	511.61	-22.84	534.45	0.957	Level 1	
16,800.00	7,081.30	16,988.27	7,254.21	285.14	284.65	-109.79	-648.98	-8,666.50	510.74	-29.01	539.75	0.946	Level 1	
16,900.00	7,081.53	17,088.27	7,254.40	287.98	287.49	-109.82	-648.59	-8,766.49	509.86	-35.18	545.04	0.935	Level 1	
17,000.00	7,081.76	17,188.26	7,254.58	290.82	290.33	-109.85	-648.20	-8,866.49	508.99	-41.35	550.34	0.925	Level 1	
17,100.00	7,081.99	17,288.26	7,254.77	293.65	293.17	-109.88	-647.81	-8,966.48	508.11	-47.52	555.63	0.914	Level 1	
17,200.00	7,082.22	17,388.25	7,254.96	296.49	296.01	-109.91	-647.42	-9,066.48	507.24	-53.68	560.92	0.904	Level 1	
17,300.00	7,082.45	17,488.25	7,255.14	299.33	298.85	-109.94	-647.02	-9,166.47	506.36	-59.85	566.21	0.894	Level 1	
17,400.00	7,082.68	17,588.25	7,255.33	302.17	301.69	-109.97	-646.63	-9,266.47	505.49	-66.01	571.50	0.884	Level 1	
17,500.00	7,082.91	17,688.24	7,255.51	305.01	304.53	-110.00	-646.24	-9,366.46	504.61	-72.17	576.78	0.875	Level 1	
17,600.00	7,083.14	17,788.24	7,255.70	307.85	307.37	-110.03	-645.85	-9,466.46	503.74	-78.33	582.07	0.865	Level 1	
17,700.00	7,083.37	17,888.23	7,255.89	310.69	310.21	-110.06	-645.46	-9,566.45	502.86	-84.49	587.35	0.856	Level 1	
17,800.00	7,083.60	17,988.23	7,256.07	313.53	313.05	-110.09	-645.07	-9,666.45	501.99	-90.64	592.63	0.847	Level 1	
17,900.00	7,083.84	18,088.23	7,256.26	316.37	315.89	-110.13	-644.68	-9,766.44	501.11	-96.79	597.91	0.838	Level 1	
18,000.00	7,084.07	18,188.22	7,256.45	319.21	318.74	-110.16	-644.29	-9,866.44	500.24	-102.95	603.18	0.829	Level 1	
18,100.00	7,084.30	18,288.22	7,256.63	322.05	321.58	-110.19	-643.90	-9,966.43	499.37	-109.09	608.46	0.821	Level 1	
18,200.00	7,084.53	18,388.21	7,256.82	324.89	324.42	-110.22	-643.51	-10,066.43	498.49	-115.24	613.73	0.812	Level 1	
18,300.00	7,084.76	18,488.21	7,257.00	327.73	327.26	-110.25	-643.12	-10,166.42	497.62	-121.39	619.01	0.804	Level 1	
18,400.00	7,084.99	18,588.20	7,257.19	330.57	330.11	-110.28	-642.73	-10,266.42	496.75	-127.53	624.27	0.796	Level 1	
18,500.00	7,085.22	18,688.20	7,257.38	333.41	332.95	-110.31	-642.34	-10,366.41	495.87	-133.67	629.54	0.788	Level 1	
18,600.00	7,085.45	18,788.20	7,257.56	336.26	335.80	-110.35	-641.95	-10,466.41	495.00	-139.81	634.81	0.780	Level 1	
18,700.00	7,085.68	18,888.19	7,257.75	339.10	338.64	-110.38	-641.56	-10,566.40	494.13	-145.95	640.07	0.772	Level 1	
18,800.00	7,085.91	18,988.19	7,257.94	341.94	341.49	-110.41	-641.16	-10,666.40	493.25	-152.08	645.33	0.764	Level 1	
18,838.54	7,086.00	19,022.43	7,258.00	343.04	342.46	-110.42	-641.03	-10,700.64	492.94	-154.28	647.21	0.762	Level 1	
18,839.14	7,086.00	19,022.43	7,258.00	343.06	342.46	-110.42	-641.03	-10,700.64	492.94	-154.28	647.22	0.762	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	2.272		
200.00	200.00	200.00	200.00	3.34	3.34	-180.00	-14.93	0.00	14.93	8.25	6.67	2.237 CC		
300.00	300.00	299.87	299.85	3.44	3.44	173.58	-15.23	1.71	15.33	8.44	6.89	2.225		
400.00	399.98	399.60	399.44	3.60	3.60	66.71	-16.14	6.84	16.77	9.57	7.20	2.329		
500.00	499.84	499.20	498.66	3.80	3.80	57.93	-17.64	15.37	18.98	11.37	7.62	2.493		
600.00	599.45	598.69	597.40	4.04	4.05	51.61	-19.74	27.28	21.74	13.62	8.12	2.678		
700.00	698.70	698.05	695.54	4.31	4.33	47.21	-22.43	42.53	24.87	16.18	8.69	2.862		
800.00	797.47	809.76	792.93	4.62	4.69	44.26	-25.70	61.08	28.27	18.90	9.37	3.018		
900.00	895.62	902.79	890.68	4.97	5.03	44.07	-29.33	81.67	30.70	20.70	10.00	3.069		
980.89	974.49	978.07	969.76	5.27	5.32	47.24	-32.26	98.32	30.89	20.33	10.56	2.926		
1,000.00	993.07	1,002.82	988.44	5.34	5.42	48.36	-32.96	102.25	30.76	20.05	10.72	2.870		
1,100.00	1,090.26	1,102.88	1,086.18	5.75	5.82	54.32	-36.59	122.84	30.31	18.82	11.49	2.638		
1,182.79	1,170.72	1,179.87	1,167.09	6.10	6.15	59.35	-39.59	139.88	30.20	18.05	12.15	2.485		
1,200.00	1,187.45	1,202.93	1,183.92	6.17	6.25	60.40	-40.22	143.42	30.20	17.88	12.32	2.452		
1,300.00	1,284.64	1,297.02	1,281.66	6.62	6.66	66.46	-43.85	164.00	30.43	17.26	13.17	2.311		
1,400.00	1,381.83	1,403.03	1,379.40	7.07	7.13	72.36	-47.48	184.58	30.99	16.89	14.11	2.197		
1,500.00	1,479.01	1,503.08	1,477.13	7.54	7.59	77.99	-51.10	205.17	31.87	16.82	15.05	2.118		
1,600.00	1,576.20	1,603.13	1,574.87	8.02	8.05	83.27	-54.73	225.75	33.04	17.03	16.01	2.064		
1,700.00	1,673.39	1,703.18	1,672.61	8.50	8.52	88.16	-58.36	246.33	34.47	17.48	16.99	2.029		
1,800.00	1,770.58	1,796.76	1,770.35	8.99	8.96	92.62	-61.99	266.91	36.12	18.19	17.94	2.014		
1,900.00	1,867.77	1,903.29	1,868.09	9.48	9.47	96.68	-65.62	287.50	37.98	19.03	18.95	2.004		
2,000.00	1,964.96	2,003.34	1,965.83	9.98	9.95	100.34	-69.25	308.08	40.01	20.07	19.94	2.007		
2,100.00	2,062.15	2,103.39	2,063.57	10.49	10.44	103.63	-72.88	328.66	42.19	21.27	20.92	2.016		
2,200.00	2,159.34	2,203.44	2,161.31	10.99	10.93	106.59	-76.51	349.24	44.49	22.59	21.91	2.031		
2,300.00	2,256.53	2,303.49	2,259.05	11.50	11.42	109.26	-80.14	369.82	46.90	24.01	22.89	2.049		
2,400.00	2,353.71	2,403.55	2,356.78	12.01	11.91	111.66	-83.77	390.41	49.40	25.53	23.87	2.070		
2,500.00	2,450.90	2,496.40	2,454.52	12.53	12.37	113.82	-87.40	410.99	51.98	27.17	24.81	2.095		
2,600.00	2,548.09	2,603.65	2,552.26	13.04	12.90	115.78	-91.03	431.57	54.63	28.80	25.83	2.115		
2,700.00	2,645.28	2,703.70	2,650.00	13.56	13.40	117.55	-94.66	452.15	57.33	30.52	26.81	2.138		
2,800.00	2,742.47	2,803.75	2,747.74	14.08	13.90	119.17	-98.28	472.74	60.08	32.30	27.79	2.162		
2,900.00	2,839.66	2,903.80	2,845.48	14.60	14.40	120.64	-101.91	493.32	62.88	34.11	28.77	2.186		
3,000.00	2,936.85	3,003.86	2,943.22	15.12	14.90	121.99	-105.54	513.90	65.72	35.97	29.75	2.209		
3,100.00	3,034.04	3,103.91	3,040.96	15.65	15.40	123.22	-109.17	534.48	68.59	37.86	30.73	2.232		
3,200.00	3,131.22	3,203.96	3,138.70	16.17	15.91	124.35	-112.80	555.07	71.48	39.78	31.70	2.255		
3,300.00	3,228.41	3,304.01	3,236.43	16.69	16.41	125.40	-116.43	575.65	74.41	41.72	32.68	2.277		
3,400.00	3,325.60	3,395.94	3,334.17	17.22	16.87	126.36	-120.06	596.23	77.35	43.73	33.62	2.300		
3,500.00	3,422.79	3,504.11	3,431.91	17.75	17.42	127.26	-123.69	616.81	80.32	45.67	34.65	2.318		
3,600.00	3,519.98	3,604.17	3,529.65	18.27	17.93	128.09	-127.32	637.40	83.31	47.68	35.63	2.338		
3,700.00	3,617.17	3,704.22	3,627.39	18.80	18.43	128.86	-130.95	657.98	86.31	49.70	36.61	2.358		
3,800.00	3,714.36	3,804.27	3,725.13	19.33	18.94	129.58	-134.58	678.56	89.32	51.73	37.59	2.376		
3,900.00	3,811.55	3,904.32	3,822.87	19.86	19.45	130.26	-138.21	699.14	92.35	53.78	38.57	2.394		
4,000.00	3,908.74	4,004.37	3,920.61	20.39	19.95	130.89	-141.84	719.72	95.39	55.84	39.56	2.412		
4,100.00	4,005.92	4,104.42	4,018.34	20.92	20.46	131.48	-145.46	740.31	98.45	57.90	40.54	2.428		
4,200.00	4,103.11	4,204.47	4,116.08	21.45	20.97	132.04	-149.09	760.89	101.51	59.98	41.53	2.444		
4,300.00	4,200.30	4,304.53	4,213.82	21.98	21.48	132.56	-152.72	781.47	104.58	62.07	42.51	2.460		
4,400.00	4,297.49	4,404.58	4,311.56	22.51	21.99	133.06	-156.35	802.05	107.66	64.16	43.49	2.475		
4,500.00	4,394.68	4,504.63	4,409.30	23.04	22.50	133.52	-159.98	822.64	110.74	66.26	44.48	2.490		
4,600.00	4,491.87	4,604.68	4,507.04	23.57	23.01	133.96	-163.61	843.22	113.84	68.37	45.47	2.504		
4,700.00	4,589.06	4,704.73	4,604.78	24.10	23.52	134.38	-167.24	863.80	116.94	70.48	46.45	2.517		
4,800.00	4,686.25	4,804.78	4,702.52	24.64	24.03	134.78	-170.87	884.38	120.04	72.60	47.44	2.530		
4,900.00	4,783.43	4,904.84	4,800.26	25.17	24.54	135.15	-174.50	904.97	123.15	74.73	48.43	2.543		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	5,004.89	4,897.99	25.70	25.05	135.51	-178.13	925.55	126.27	76.86	49.41	2.555		
5,100.00	4,977.81	5,095.06	4,995.73	26.23	25.51	135.85	-181.76	946.13	129.39	79.04	50.35	2.570		
5,200.00	5,075.00	5,204.99	5,093.47	26.77	26.07	136.17	-185.39	966.71	132.52	81.13	51.39	2.579		
5,300.00	5,172.19	5,305.04	5,191.21	27.30	26.59	136.48	-189.02	987.29	135.65	83.27	52.38	2.590		
5,400.00	5,269.38	5,405.09	5,288.95	27.83	27.10	136.78	-192.64	1,007.88	138.78	85.41	53.37	2.601		
5,457.75	5,325.51	5,452.63	5,345.40	28.14	27.34	136.94	-194.74	1,019.76	140.59	86.70	53.89	2.609		
5,500.00	5,366.64	5,494.86	5,386.70	28.37	27.56	136.99	-196.27	1,028.46	141.69	87.38	54.31	2.609		
5,600.00	5,464.53	5,605.16	5,484.47	28.87	28.12	136.40	-199.90	1,049.05	142.48	87.08	55.39	2.572		
5,700.00	5,563.07	5,705.25	5,582.16	29.35	28.63	134.78	-203.53	1,069.62	140.81	84.32	56.49	2.493		
5,800.00	5,662.15	5,805.55	5,679.66	29.80	29.15	132.04	-207.15	1,090.16	136.88	79.24	57.64	2.375		
5,900.00	5,761.64	5,893.84	5,776.85	30.23	29.60	127.95	-210.76	1,110.62	131.10	72.31	58.79	2.230		
6,000.00	5,861.42	6,007.22	5,873.61	30.64	30.18	122.18	-214.35	1,131.00	124.12	63.99	60.13	2.064		
6,100.00	5,961.36	6,108.84	5,969.81	31.02	30.70	114.33	-217.93	1,151.26	117.02	55.60	61.41	1.905		
6,138.64	6,000.00	6,129.00	6,006.81	31.16	30.80	-153.82	-219.30	1,159.05	114.57	52.78	61.79	1.854		
6,200.00	6,061.36	6,189.00	6,065.49	31.38	31.11	-160.03	-221.48	1,171.41	111.60	49.15	62.46	1.787		
6,294.45	6,155.81	6,281.37	6,155.81	31.72	31.58	-170.00	-224.83	1,190.43	109.84	46.57	63.27	1.736		
6,300.00	6,161.36	6,286.79	6,161.12	31.74	31.61	-170.59	-225.03	1,191.54	109.85	46.54	63.31	1.735		
6,400.00	6,261.36	6,384.31	6,257.41	32.10	32.07	-178.19	-228.63	1,205.97	112.09	48.18	63.91	1.754		
6,500.00	6,361.36	6,483.68	6,356.61	32.46	32.43	-178.01	-232.39	1,205.49	115.90	51.26	64.63	1.793		
6,562.02	6,423.38	6,544.34	6,416.68	32.68	32.63	-174.24	-234.69	1,197.59	118.82	53.71	65.11	1.825		
6,600.00	6,461.34	6,580.79	6,452.33	32.82	32.76	-80.77	-236.07	1,190.11	121.13	55.80	65.33	1.854		
6,650.00	6,511.08	6,628.25	6,497.98	32.99	32.93	-76.85	-237.85	1,177.33	124.63	59.17	65.46	1.904		
6,700.00	6,560.29	6,675.14	6,542.03	33.17	33.11	-73.22	-239.58	1,161.40	128.55	63.14	65.41	1.965		
6,750.00	6,608.64	6,721.49	6,584.32	33.36	33.30	-69.91	-241.25	1,142.50	132.79	67.61	65.18	2.037		
6,800.00	6,655.86	6,767.35	6,624.69	33.56	33.51	-66.90	-242.86	1,120.82	137.25	72.47	64.78	2.119		
6,850.00	6,701.64	6,812.75	6,663.01	33.78	33.72	-64.19	-244.40	1,096.55	141.83	77.60	64.24	2.208		
6,900.00	6,745.71	6,857.73	6,699.18	34.01	33.96	-61.77	-245.87	1,069.87	146.44	82.87	63.57	2.304		
6,950.00	6,787.79	6,902.32	6,733.10	34.27	34.21	-59.61	-247.26	1,040.96	150.99	88.17	62.82	2.404		
7,000.00	6,827.62	6,946.56	6,764.66	34.56	34.49	-57.69	-248.57	1,010.01	155.42	93.39	62.03	2.506		
7,050.00	6,864.96	6,990.47	6,793.79	34.87	34.79	-56.01	-249.79	977.18	159.65	98.41	61.24	2.607		
7,100.00	6,899.58	7,034.10	6,820.43	35.21	35.11	-54.53	-250.93	942.66	163.63	103.14	60.49	2.705		
7,150.00	6,931.26	7,077.47	6,844.50	35.60	35.47	-53.25	-251.97	906.61	167.31	107.48	59.83	2.796		
7,200.00	6,959.81	7,120.62	6,865.97	36.02	35.84	-52.15	-252.92	869.20	170.64	111.35	59.30	2.878		
7,250.00	6,985.06	7,163.56	6,884.77	36.47	36.25	-51.22	-253.77	830.61	173.60	114.67	58.93	2.946		
7,300.00	7,006.84	7,206.35	6,900.87	36.97	36.68	-50.45	-254.53	790.99	176.15	117.39	58.76	2.998		
7,350.00	7,025.02	7,248.99	6,914.23	37.51	37.14	-49.83	-255.18	750.51	178.26	119.45	58.81	3.031		
7,400.00	7,039.49	7,291.52	6,924.83	38.09	37.63	-49.35	-255.74	709.33	179.91	120.80	59.11	3.044		
7,450.00	7,050.17	7,333.97	6,932.66	38.70	38.14	-49.02	-256.19	667.62	181.10	121.44	59.66	3.036		
7,500.00	7,056.98	7,376.37	6,937.68	39.33	38.67	-48.81	-256.53	625.53	181.80	121.34	60.46	3.007		
7,550.00	7,059.89	7,418.73	6,939.89	39.99	39.21	-48.74	-256.77	583.23	182.01	120.51	61.49	2.960		
7,560.55	7,060.00	7,430.83	6,940.00	40.13	39.37	-48.75	-256.80	574.55	181.99	120.20	61.78	2.945		
7,600.00	7,060.09	7,466.86	6,940.10	40.67	39.86	-48.74	-256.95	535.10	181.93	119.31	62.62	2.905		
7,700.00	7,060.32	7,566.86	6,940.37	42.14	41.31	-48.71	-257.33	435.10	181.80	116.81	64.98	2.798		
7,800.00	7,060.55	7,666.86	6,940.63	43.75	42.89	-48.69	-257.70	335.10	181.66	114.11	67.55	2.689		
7,900.00	7,060.78	7,766.86	6,940.90	45.48	44.61	-48.67	-258.08	235.10	181.53	111.22	70.31	2.582		
8,000.00	7,061.01	7,866.86	6,941.17	47.33	46.44	-48.65	-258.45	135.11	181.39	108.16	73.23	2.477		
8,100.00	7,061.24	7,966.86	6,941.43	49.27	48.37	-48.62	-258.83	35.11	181.26	104.95	76.30	2.376		
8,200.00	7,061.47	8,066.86	6,941.70	51.29	50.38	-48.60	-259.20	-64.89	181.12	101.62	79.50	2.278		
8,300.00	7,061.70	8,166.86	6,941.96	53.40	52.48	-48.58	-259.58	-164.89	180.99	98.18	82.81	2.186		
8,400.00	7,061.93	8,266.86	6,942.23	55.57	54.65	-48.56	-259.95	-264.89	180.85	94.63	86.22	2.097		
8,500.00	7,062.16	8,366.86	6,942.50	57.80	56.87	-48.53	-260.33	-364.89	180.72	90.99	89.72	2.014		
8,600.00	7,062.39	8,466.86	6,942.76	60.08	59.16	-48.51	-260.70	-464.89	180.58	87.28	93.30	1.935		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	8,566.86	6,943.03	62.42	61.49	-48.49	-261.08	-564.89	180.45	83.50	96.95	1.861		
8,800.00	7,062.86	8,666.86	6,943.29	64.79	63.86	-48.46	-261.46	-664.89	180.31	79.66	100.66	1.791		
8,900.00	7,063.09	8,766.86	6,943.56	67.20	66.27	-48.44	-261.83	-764.88	180.18	75.76	104.42	1.726		
9,000.00	7,063.32	8,866.86	6,943.83	69.65	68.72	-48.42	-262.21	-864.88	180.04	71.81	108.23	1.664		
9,100.00	7,063.55	8,966.86	6,944.09	72.12	71.20	-48.40	-262.58	-964.88	179.91	67.83	112.08	1.605		
9,200.00	7,063.78	9,066.86	6,944.36	74.63	73.70	-48.37	-262.96	-1,064.88	179.77	63.80	115.97	1.550		
9,300.00	7,064.01	9,166.86	6,944.62	77.16	76.23	-48.35	-263.33	-1,164.88	179.64	59.74	119.90	1.498 Level 3		
9,400.00	7,064.24	9,266.86	6,944.89	79.71	78.79	-48.33	-263.71	-1,264.88	179.50	55.65	123.86	1.449 Level 3		
9,500.00	7,064.47	9,366.86	6,945.16	82.28	81.36	-48.30	-264.08	-1,364.88	179.37	51.53	127.84	1.403 Level 3		
9,600.00	7,064.70	9,466.86	6,945.42	84.87	83.95	-48.28	-264.46	-1,464.88	179.23	47.38	131.85	1.359 Level 3		
9,700.00	7,064.93	9,566.86	6,945.69	87.47	86.56	-48.26	-264.83	-1,564.87	179.10	43.21	135.89	1.318 Level 3		
9,800.00	7,065.16	9,666.86	6,945.95	90.09	89.18	-48.23	-265.21	-1,664.87	178.97	39.03	139.94	1.279 Level 3		
9,900.00	7,065.39	9,766.86	6,946.22	92.73	91.82	-48.21	-265.58	-1,764.87	178.83	34.82	144.01	1.242 Level 2		
10,000.00	7,065.62	9,866.86	6,946.49	95.38	94.47	-48.19	-265.96	-1,864.87	178.70	30.60	148.10	1.207 Level 2		
10,100.00	7,065.85	9,966.86	6,946.75	98.04	97.13	-48.16	-266.33	-1,964.87	178.56	26.36	152.20	1.173 Level 2		
10,200.00	7,066.08	10,066.86	6,947.02	100.71	99.81	-48.14	-266.71	-2,064.87	178.43	22.11	156.31	1.141 Level 2		
10,300.00	7,066.31	10,166.86	6,947.28	103.39	102.49	-48.12	-267.09	-2,164.87	178.29	17.85	160.44	1.111 Level 2		
10,400.00	7,066.54	10,266.86	6,947.55	106.08	105.18	-48.09	-267.46	-2,264.87	178.16	13.58	164.58	1.083 Level 2		
10,500.00	7,066.77	10,366.86	6,947.82	108.78	107.89	-48.07	-267.84	-2,364.87	178.02	9.30	168.73	1.055 Level 2		
10,600.00	7,067.01	10,466.86	6,948.08	111.48	110.60	-48.05	-268.21	-2,464.86	177.89	5.00	172.89	1.029 Level 2		
10,700.00	7,067.24	10,566.86	6,948.35	114.20	113.31	-48.02	-268.59	-2,564.86	177.76	0.70	177.05	1.004 Level 2		
10,800.00	7,067.47	10,666.86	6,948.61	116.92	116.04	-48.00	-268.96	-2,664.86	177.62	-3.61	181.23	0.980 Level 1		
10,900.00	7,067.70	10,766.86	6,948.88	119.65	118.77	-47.98	-269.34	-2,764.86	177.49	-7.92	185.41	0.957 Level 1		
11,000.00	7,067.93	10,866.86	6,949.15	122.38	121.50	-47.95	-269.71	-2,864.86	177.35	-12.24	189.59	0.935 Level 1		
11,100.00	7,068.16	10,966.86	6,949.41	125.12	124.24	-47.93	-270.09	-2,964.86	177.22	-16.57	193.79	0.915 Level 1		
11,200.00	7,068.39	11,066.86	6,949.68	127.86	126.99	-47.91	-270.46	-3,064.86	177.08	-20.90	197.98	0.894 Level 1		
11,300.00	7,068.62	11,166.86	6,949.95	130.61	129.74	-47.88	-270.84	-3,164.86	176.95	-25.24	202.19	0.875 Level 1		
11,400.00	7,068.85	11,266.86	6,950.21	133.37	132.50	-47.86	-271.21	-3,264.85	176.82	-29.58	206.39	0.857 Level 1		
11,500.00	7,069.08	11,366.86	6,950.48	136.12	135.26	-47.83	-271.59	-3,364.85	176.68	-33.92	210.60	0.839 Level 1		
11,600.00	7,069.31	11,466.86	6,950.74	138.89	138.02	-47.81	-271.96	-3,464.85	176.55	-38.27	214.81	0.822 Level 1		
11,700.00	7,069.54	11,566.86	6,951.01	141.65	140.79	-47.79	-272.34	-3,564.85	176.41	-42.62	219.03	0.805 Level 1		
11,800.00	7,069.77	11,666.86	6,951.28	144.42	143.56	-47.76	-272.71	-3,664.85	176.28	-46.97	223.25	0.790 Level 1		
11,900.00	7,070.00	11,766.86	6,951.54	147.19	146.34	-47.74	-273.09	-3,764.85	176.15	-51.32	227.47	0.774 Level 1		
12,000.00	7,070.23	11,866.86	6,951.81	149.97	149.11	-47.71	-273.47	-3,864.85	176.01	-55.68	231.69	0.760 Level 1		
12,100.00	7,070.46	11,966.86	6,952.07	152.75	151.89	-47.69	-273.84	-3,964.85	175.88	-60.04	235.91	0.746 Level 1		
12,200.00	7,070.69	12,066.86	6,952.34	155.53	154.68	-47.67	-274.22	-4,064.85	175.74	-64.39	240.14	0.732 Level 1		
12,300.00	7,070.92	12,166.86	6,952.61	158.32	157.47	-47.64	-274.59	-4,164.84	175.61	-68.75	244.37	0.719 Level 1		
12,400.00	7,071.16	12,266.86	6,952.87	161.10	160.25	-47.62	-274.97	-4,264.84	175.48	-73.12	248.59	0.706 Level 1		
12,500.00	7,071.39	12,366.86	6,953.14	163.89	163.05	-47.59	-275.34	-4,364.84	175.34	-77.48	252.82	0.694 Level 1		
12,600.00	7,071.62	12,466.86	6,953.40	166.69	165.84	-47.57	-275.72	-4,464.84	175.21	-81.84	257.05	0.682 Level 1		
12,700.00	7,071.85	12,566.86	6,953.67	169.48	168.64	-47.55	-276.09	-4,564.84	175.08	-86.20	261.28	0.670 Level 1		
12,800.00	7,072.08	12,666.86	6,953.94	172.28	171.43	-47.52	-276.47	-4,664.84	174.94	-90.56	265.51	0.659 Level 1		
12,900.00	7,072.31	12,766.86	6,954.20	175.08	174.23	-47.50	-276.84	-4,764.84	174.81	-94.93	269.74	0.648 Level 1		
13,000.00	7,072.54	12,866.86	6,954.47	177.88	177.04	-47.47	-277.22	-4,864.84	174.67	-99.29	273.97	0.638 Level 1		
13,100.00	7,072.77	12,966.86	6,954.73	180.68	179.84	-47.45	-277.59	-4,964.83	174.54	-103.65	278.19	0.627 Level 1		
13,200.00	7,073.00	13,066.86	6,955.00	183.48	182.65	-47.42	-277.97	-5,064.83	174.41	-108.01	282.42	0.618 Level 1		
13,300.00	7,073.23	13,166.86	6,955.27	186.29	185.45	-47.40	-278.34	-5,164.83	174.27	-112.38	286.65	0.608 Level 1		
13,400.00	7,073.46	13,266.86	6,955.53	189.09	188.26	-47.37	-278.72	-5,264.83	174.14	-116.74	290.88	0.599 Level 1		
13,500.00	7,073.69	13,366.86	6,955.80	191.90	191.07	-47.35	-279.10	-5,364.83	174.01	-121.10	295.10	0.590 Level 1		
13,600.00	7,073.92	13,466.86	6,956.06	194.71	193.88	-47.33	-279.47	-5,464.83	173.87	-125.46	299.33	0.581 Level 1		
13,700.00	7,074.15	13,566.86	6,956.33	197.52	196.70	-47.30	-279.85	-5,564.83	173.74	-129.81	303.55	0.572 Level 1		
13,800.00	7,074.38	13,666.86	6,956.60	200.34	199.51	-47.28	-280.22	-5,664.83	173.61	-134.17	307.78	0.564 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	13,766.86	6,956.86	203.15	202.33	-47.25	-280.60	-5,764.83	173.47	-138.53	312.00	0.556	Level 1	
14,000.00	7,074.84	13,866.86	6,957.13	205.97	205.14	-47.23	-280.97	-5,864.82	173.34	-142.88	316.22	0.548	Level 1	
14,100.00	7,075.07	13,966.86	6,957.39	208.78	207.96	-47.20	-281.35	-5,964.82	173.21	-147.23	320.44	0.541	Level 1	
14,200.00	7,075.30	14,066.86	6,957.66	211.60	210.78	-47.18	-281.72	-6,064.82	173.07	-151.59	324.66	0.533	Level 1	
14,300.00	7,075.54	14,166.86	6,957.93	214.42	213.60	-47.15	-282.10	-6,164.82	172.94	-155.94	328.88	0.526	Level 1	
14,400.00	7,075.77	14,266.85	6,958.19	217.24	216.42	-47.13	-282.47	-6,264.82	172.81	-160.29	333.09	0.519	Level 1	
14,500.00	7,076.00	14,366.85	6,958.46	220.06	219.24	-47.10	-282.85	-6,364.82	172.67	-164.63	337.31	0.512	Level 1	
14,600.00	7,076.23	14,466.85	6,958.73	222.88	222.07	-47.08	-283.22	-6,464.82	172.54	-168.98	341.52	0.505	Level 1	
14,700.00	7,076.46	14,566.85	6,958.99	225.70	224.89	-47.05	-283.60	-6,564.82	172.41	-173.32	345.73	0.499	Level 1	
14,800.00	7,076.69	14,666.85	6,959.26	228.53	227.71	-47.03	-283.97	-6,664.81	172.28	-177.66	349.94	0.492	Level 1	
14,900.00	7,076.92	14,766.85	6,959.52	231.35	230.54	-47.00	-284.35	-6,764.81	172.14	-182.00	354.15	0.486	Level 1	
15,000.00	7,077.15	14,866.85	6,959.79	234.18	233.37	-46.98	-284.72	-6,864.81	172.01	-186.34	358.35	0.480	Level 1	
15,100.00	7,077.38	14,966.85	6,960.06	237.00	236.19	-46.95	-285.10	-6,964.81	171.88	-190.68	362.56	0.474	Level 1	
15,200.00	7,077.61	15,066.85	6,960.32	239.83	239.02	-46.93	-285.48	-7,064.81	171.74	-195.01	366.76	0.468	Level 1	
15,300.00	7,077.84	15,166.85	6,960.59	242.66	241.85	-46.90	-285.85	-7,164.81	171.61	-199.35	370.96	0.463	Level 1	
15,400.00	7,078.07	15,266.85	6,960.85	245.49	244.68	-46.88	-286.23	-7,264.81	171.48	-203.68	375.15	0.457	Level 1	
15,500.00	7,078.30	15,366.85	6,961.12	248.31	247.51	-46.85	-286.60	-7,364.81	171.35	-208.00	379.35	0.452	Level 1	
15,600.00	7,078.53	15,466.85	6,961.39	251.14	250.34	-46.83	-286.98	-7,464.81	171.21	-212.33	383.54	0.446	Level 1	
15,700.00	7,078.76	15,566.85	6,961.65	253.97	253.17	-46.80	-287.35	-7,564.80	171.08	-216.65	387.73	0.441	Level 1	
15,800.00	7,078.99	15,666.85	6,961.92	256.80	256.00	-46.77	-287.73	-7,664.80	170.95	-220.97	391.92	0.436	Level 1	
15,900.00	7,079.22	15,766.85	6,962.18	259.64	258.84	-46.75	-288.10	-7,764.80	170.81	-225.29	396.11	0.431	Level 1	
16,000.00	7,079.45	15,866.85	6,962.45	262.47	261.67	-46.72	-288.48	-7,864.80	170.68	-229.61	400.29	0.426	Level 1	
16,100.00	7,079.69	15,966.85	6,962.72	265.30	264.50	-46.70	-288.85	-7,964.80	170.55	-233.92	404.47	0.422	Level 1	
16,200.00	7,079.92	16,066.85	6,962.98	268.13	267.34	-46.67	-289.23	-8,064.80	170.42	-238.23	408.65	0.417	Level 1	
16,300.00	7,080.15	16,166.85	6,963.25	270.97	270.17	-46.65	-289.60	-8,164.80	170.28	-242.54	412.83	0.412	Level 1	
16,400.00	7,080.38	16,266.85	6,963.51	273.80	273.01	-46.62	-289.98	-8,264.80	170.15	-246.85	417.00	0.408	Level 1	
16,500.00	7,080.61	16,366.85	6,963.78	276.64	275.84	-46.60	-290.35	-8,364.79	170.02	-251.15	421.17	0.404	Level 1	
16,600.00	7,080.84	16,466.85	6,964.05	279.47	278.68	-46.57	-290.73	-8,464.79	169.89	-255.45	425.34	0.399	Level 1	
16,700.00	7,081.07	16,566.85	6,964.31	282.31	281.52	-46.54	-291.11	-8,564.79	169.75	-259.75	429.51	0.395	Level 1	
16,800.00	7,081.30	16,666.85	6,964.58	285.14	284.35	-46.52	-291.48	-8,664.79	169.62	-264.05	433.67	0.391	Level 1	
16,900.00	7,081.53	16,766.85	6,964.84	287.98	287.19	-46.49	-291.86	-8,764.79	169.49	-268.34	437.83	0.387	Level 1	
17,000.00	7,081.76	16,866.85	6,965.11	290.82	290.03	-46.47	-292.23	-8,864.79	169.36	-272.63	441.99	0.383	Level 1	
17,100.00	7,081.99	16,966.85	6,965.38	293.65	292.87	-46.44	-292.61	-8,964.79	169.22	-276.92	446.15	0.379	Level 1	
17,200.00	7,082.22	17,066.85	6,965.64	296.49	295.70	-46.41	-292.98	-9,064.79	169.09	-281.21	450.30	0.376	Level 1	
17,300.00	7,082.45	17,166.85	6,965.91	299.33	298.54	-46.39	-293.36	-9,164.79	168.96	-285.49	454.45	0.372	Level 1	
17,400.00	7,082.68	17,266.85	6,966.17	302.17	301.38	-46.36	-293.73	-9,264.78	168.83	-289.77	458.60	0.368	Level 1	
17,500.00	7,082.91	17,366.85	6,966.44	305.01	304.22	-46.34	-294.11	-9,364.78	168.70	-294.04	462.74	0.365	Level 1	
17,600.00	7,083.14	17,466.85	6,966.71	307.85	307.06	-46.31	-294.48	-9,464.78	168.56	-298.32	466.88	0.361	Level 1	
17,700.00	7,083.37	17,566.85	6,966.97	310.69	309.90	-46.28	-294.86	-9,564.78	168.43	-302.59	471.02	0.358	Level 1	
17,800.00	7,083.60	17,666.85	6,967.24	313.53	312.74	-46.26	-295.23	-9,664.78	168.30	-306.86	475.16	0.354	Level 1	
17,900.00	7,083.84	17,766.85	6,967.51	316.37	315.59	-46.23	-295.61	-9,764.78	168.17	-311.12	479.29	0.351	Level 1	
18,000.00	7,084.07	17,866.85	6,967.77	319.21	318.43	-46.20	-295.98	-9,864.78	168.04	-315.38	483.42	0.348	Level 1	
18,100.00	7,084.30	17,966.85	6,968.04	322.05	321.27	-46.18	-296.36	-9,964.78	167.90	-319.64	487.55	0.344	Level 1	
18,200.00	7,084.53	18,066.85	6,968.30	324.89	324.11	-46.15	-296.74	-10,064.77	167.77	-323.90	491.67	0.341	Level 1	
18,300.00	7,084.76	18,166.85	6,968.57	327.73	326.95	-46.13	-297.11	-10,164.77	167.64	-328.15	495.79	0.338	Level 1	
18,400.00	7,084.99	18,266.85	6,968.84	330.57	329.80	-46.10	-297.49	-10,264.77	167.51	-332.40	499.91	0.335	Level 1	
18,500.00	7,085.22	18,366.85	6,969.10	333.41	332.64	-46.07	-297.86	-10,364.77	167.38	-336.65	504.03	0.332	Level 1	
18,600.00	7,085.45	18,466.85	6,969.37	336.26	335.48	-46.05	-298.24	-10,464.77	167.25	-340.89	508.14	0.329	Level 1	
18,700.00	7,085.68	18,566.85	6,969.63	339.10	338.33	-46.02	-298.61	-10,564.77	167.11	-345.13	512.25	0.326	Level 1	
18,800.00	7,085.91	18,666.85	6,969.90	341.94	341.17	-45.99	-298.99	-10,664.77	166.98	-349.37	516.35	0.323	Level 1	
18,839.14	7,086.00	18,705.99	6,970.00	343.06	342.28	-45.98	-299.13	-10,703.91	166.93	-351.03	517.96	0.322	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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-44.80	-0.28	44.80					
100.00	100.00	100.00	100.00	3.28	3.28	-179.64	-44.80	-0.28	44.80	38.23	6.57	6.820		
200.00	200.00	200.00	200.00	3.34	3.34	-179.64	-44.80	-0.28	44.80	38.13	6.67	6.713 CC		
300.00	300.00	299.19	299.17	3.44	3.44	178.48	-45.66	1.21	45.68	38.80	6.89	6.632		
400.00	399.98	398.24	398.08	3.60	3.59	79.75	-48.23	5.66	48.26	41.06	7.20	6.701		
500.00	499.84	497.12	496.59	3.80	3.79	77.56	-52.50	13.05	52.29	44.68	7.61	6.872		
600.00	599.45	595.82	594.56	4.04	4.03	76.32	-58.45	23.37	57.68	49.58	8.10	7.122		
700.00	698.70	694.30	691.85	4.31	4.31	75.88	-66.07	36.56	64.37	55.71	8.66	7.433		
800.00	797.47	792.53	788.31	4.62	4.63	76.02	-75.33	52.60	72.34	63.05	9.29	7.790		
900.00	895.62	890.92	884.27	4.97	4.98	76.63	-86.20	71.43	81.51	71.54	9.97	8.177		
980.89	974.49	971.43	962.61	5.27	5.30	78.22	-95.47	87.48	88.84	78.28	10.56	8.415		
1,000.00	993.07	1,009.55	981.12	5.34	5.45	78.76	-97.66	91.28	90.53	79.76	10.78	8.401		
1,100.00	1,090.26	1,089.96	1,077.96	5.75	5.79	81.27	-109.12	111.12	99.50	88.00	11.50	8.655		
1,200.00	1,187.45	1,189.47	1,174.80	6.17	6.22	83.36	-120.57	130.96	108.63	96.29	12.33	8.808		
1,300.00	1,284.64	1,288.98	1,271.64	6.62	6.67	85.13	-132.02	150.80	117.87	104.67	13.20	8.927		
1,400.00	1,381.83	1,388.49	1,368.48	7.07	7.13	86.64	-143.48	170.64	127.21	113.11	14.10	9.021		
1,500.00	1,479.01	1,488.00	1,465.31	7.54	7.59	87.94	-154.93	190.48	136.63	121.61	15.02	9.094		
1,600.00	1,576.20	1,587.52	1,562.15	8.02	8.07	89.07	-166.39	210.32	146.11	130.14	15.96	9.152		
1,700.00	1,673.39	1,687.03	1,658.99	8.50	8.55	90.07	-177.84	230.16	155.64	138.72	16.92	9.198		
1,800.00	1,770.58	1,786.54	1,755.83	8.99	9.04	90.95	-189.30	250.00	165.21	147.32	17.89	9.235		
1,900.00	1,867.77	1,886.05	1,852.67	9.48	9.53	91.73	-200.75	269.84	174.81	155.94	18.87	9.265		
2,000.00	1,964.96	1,985.56	1,949.50	9.98	10.03	92.43	-212.21	289.68	184.44	164.59	19.86	9.289		
2,100.00	2,062.15	2,085.07	2,046.34	10.49	10.53	93.07	-223.66	309.52	194.10	173.25	20.85	9.309		
2,200.00	2,159.34	2,184.58	2,143.18	10.99	11.03	93.64	-235.12	329.36	203.78	181.92	21.85	9.324		
2,300.00	2,256.53	2,284.09	2,240.02	11.50	11.54	94.16	-246.57	349.20	213.47	190.61	22.86	9.337		
2,400.00	2,353.71	2,383.60	2,336.86	12.01	12.05	94.63	-258.03	369.04	223.19	199.31	23.88	9.348		
2,500.00	2,450.90	2,483.11	2,433.69	12.53	12.56	95.07	-269.48	388.88	232.91	208.02	24.89	9.356		
2,600.00	2,548.09	2,582.62	2,530.53	13.04	13.07	95.47	-280.94	408.72	242.65	216.74	25.91	9.363		
2,700.00	2,645.28	2,682.14	2,627.37	13.56	13.59	95.84	-292.39	428.56	252.40	225.46	26.94	9.369		
2,800.00	2,742.47	2,781.65	2,724.21	14.08	14.10	96.18	-303.84	448.40	262.16	234.19	27.97	9.374		
2,900.00	2,839.66	2,881.16	2,821.04	14.60	14.62	96.50	-315.30	468.24	271.93	242.93	29.00	9.378		
3,000.00	2,936.85	2,980.67	2,917.88	15.12	15.13	96.80	-326.75	488.08	281.71	251.67	30.03	9.381		
3,100.00	3,034.04	3,080.18	3,014.72	15.65	15.65	97.07	-338.21	507.92	291.49	260.42	31.07	9.383		
3,200.00	3,131.22	3,179.69	3,111.56	16.17	16.17	97.33	-349.66	527.76	301.28	269.17	32.10	9.385		
3,300.00	3,228.41	3,279.20	3,208.40	16.69	16.69	97.57	-361.12	547.60	311.07	277.93	33.14	9.386		
3,400.00	3,325.60	3,378.71	3,305.23	17.22	17.21	97.80	-372.57	567.44	320.87	286.69	34.18	9.387		
3,500.00	3,422.79	3,478.22	3,402.07	17.75	17.73	98.01	-384.03	587.28	330.68	295.45	35.22	9.388		
3,600.00	3,519.98	3,577.73	3,498.91	18.27	18.26	98.21	-395.48	607.12	340.48	304.22	36.27	9.388		
3,700.00	3,617.17	3,677.24	3,595.75	18.80	18.78	98.40	-406.94	626.96	350.30	312.99	37.31	9.389		
3,800.00	3,714.36	3,776.76	3,692.59	19.33	19.30	98.58	-418.39	646.80	360.11	321.76	38.36	9.389		
3,900.00	3,811.55	3,876.27	3,789.42	19.86	19.83	98.75	-429.85	666.64	369.93	330.53	39.40	9.388		
4,000.00	3,908.74	3,975.78	3,886.26	20.39	20.35	98.91	-441.30	686.48	379.75	339.30	40.45	9.388		
4,100.00	4,005.92	4,075.29	3,983.10	20.92	20.88	99.07	-452.76	706.32	389.58	348.08	41.50	9.388		
4,200.00	4,103.11	4,174.80	4,079.94	21.45	21.40	99.21	-464.21	726.16	399.41	356.86	42.55	9.387		
4,300.00	4,200.30	4,274.31	4,176.78	21.98	21.93	99.35	-475.66	746.00	409.24	365.64	43.60	9.387		
4,400.00	4,297.49	4,373.82	4,273.61	22.51	22.45	99.48	-487.12	765.84	419.07	374.42	44.65	9.386		
4,500.00	4,394.68	4,473.33	4,370.45	23.04	22.98	99.61	-498.57	785.68	428.91	383.21	45.70	9.386		
4,600.00	4,491.87	4,572.84	4,467.29	23.57	23.50	99.73	-510.03	805.52	438.74	391.99	46.75	9.385		
4,700.00	4,589.06	4,672.35	4,564.13	24.10	24.03	99.84	-521.48	825.36	448.58	400.78	47.80	9.384		
4,800.00	4,686.25	4,771.86	4,660.96	24.64	24.56	99.95	-532.94	845.20	458.42	409.57	48.86	9.383		
4,900.00	4,783.43	4,871.38	4,757.80	25.17	25.08	100.06	-544.39	865.04	468.26	418.36	49.91	9.382		
5,000.00	4,880.62	4,970.89	4,854.64	25.70	25.61	100.16	-555.85	884.88	478.11	427.15	50.96	9.382		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,070.40	4,951.48	26.23	26.14	100.26	-567.30	904.72	487.95	435.94	52.02	9.381		
5,200.00	5,075.00	5,169.91	5,048.32	26.77	26.67	100.35	-578.76	924.56	497.80	444.73	53.07	9.380		
5,300.00	5,172.19	5,269.42	5,145.15	27.30	27.19	100.44	-590.21	944.40	507.65	453.52	54.13	9.379		
5,400.00	5,269.38	5,368.93	5,241.99	27.83	27.72	100.53	-601.67	964.24	517.49	462.31	55.18	9.378		
5,457.75	5,325.51	5,426.40	5,297.92	28.14	28.03	100.57	-608.28	975.70	523.18	467.39	55.79	9.378		
5,500.00	5,366.64	5,468.45	5,338.84	28.37	28.25	100.66	-613.12	984.08	527.29	471.05	56.23	9.377		
5,600.00	5,464.53	5,567.98	5,435.70	28.87	28.78	100.58	-624.58	1,003.93	536.55	479.29	57.25	9.371		
5,700.00	5,563.07	5,667.44	5,532.48	29.35	29.31	100.14	-636.03	1,023.76	545.21	486.97	58.24	9.361		
5,800.00	5,662.15	5,766.68	5,629.06	29.80	29.83	99.36	-647.45	1,043.54	553.36	494.17	59.19	9.349		
5,900.00	5,761.64	5,865.61	5,725.33	30.23	30.36	98.25	-658.84	1,063.27	561.16	501.07	60.10	9.338		
6,000.00	5,861.42	5,964.08	5,821.16	30.64	30.88	96.83	-670.17	1,082.90	568.81	507.85	60.96	9.331		
6,100.00	5,961.36	6,061.99	5,916.44	31.02	31.40	95.14	-681.44	1,102.42	576.58	514.79	61.78	9.333		
6,138.64	6,000.00	6,100.35	5,953.08	31.16	31.61	-170.08	-685.78	1,109.93	579.67	517.58	62.09	9.336		
6,200.00	6,061.36	6,159.36	6,011.19	31.38	31.92	-171.35	-692.65	1,121.83	584.78	522.23	62.55	9.349		
6,300.00	6,161.36	6,256.67	6,105.89	31.74	32.44	-173.37	-703.85	1,141.24	593.75	530.44	63.31	9.378		
6,400.00	6,261.36	6,353.99	6,200.59	32.10	32.96	-175.33	-715.06	1,160.64	603.46	539.39	64.06	9.420		
6,500.00	6,361.36	6,451.30	6,295.29	32.46	33.48	-177.23	-726.26	1,180.04	613.88	549.07	64.81	9.472		
6,562.02	6,423.38	6,511.65	6,354.02	32.68	33.80	-178.38	-733.21	1,192.07	620.68	555.41	65.27	9.510		
6,600.00	6,461.34	6,549.17	6,390.65	32.82	33.99	-88.44	-737.51	1,198.93	624.93	559.38	65.54	9.535		
6,650.00	6,511.08	6,599.53	6,440.33	32.99	34.23	-88.93	-743.20	1,204.79	630.49	564.60	65.89	9.569		
6,700.00	6,560.29	6,650.83	6,491.27	33.17	34.43	-89.43	-748.85	1,206.69	635.99	569.75	66.23	9.602		
6,750.00	6,608.64	6,703.13	6,543.21	33.36	34.61	-89.93	-754.43	1,204.37	641.37	574.80	66.57	9.634		
6,800.00	6,655.86	6,756.47	6,595.81	33.56	34.78	-90.43	-759.90	1,197.60	646.60	579.67	66.93	9.662		
6,850.00	6,701.64	6,810.88	6,648.73	33.78	34.95	-90.92	-765.19	1,186.17	651.62	584.32	67.30	9.682		
6,900.00	6,745.71	6,866.39	6,701.53	34.01	35.13	-91.41	-770.26	1,169.87	656.39	588.68	67.71	9.694		
6,950.00	6,787.79	6,923.00	6,753.74	34.27	35.32	-91.89	-775.04	1,148.56	660.85	592.70	68.15	9.697		
7,000.00	6,827.62	6,980.72	6,804.84	34.56	35.54	-92.35	-779.48	1,122.14	664.94	596.32	68.62	9.690		
7,050.00	6,864.96	7,039.52	6,854.25	34.87	35.78	-92.80	-783.52	1,090.57	668.63	599.48	69.15	9.669		
7,100.00	6,899.58	7,099.35	6,901.36	35.21	36.06	-93.23	-787.08	1,053.89	671.85	602.12	69.74	9.634		
7,150.00	6,931.26	7,160.17	6,945.54	35.60	36.37	-93.64	-790.10	1,012.24	674.56	604.16	70.40	9.582		
7,200.00	6,959.81	7,221.86	6,986.14	36.02	36.75	-94.01	-792.53	965.87	676.71	605.54	71.17	9.509		
7,250.00	6,985.06	7,284.33	7,022.51	36.47	37.17	-94.35	-794.31	915.15	678.26	606.22	72.04	9.415		
7,300.00	7,006.84	7,347.45	7,054.08	36.97	37.66	-94.65	-795.39	860.54	679.18	606.14	73.04	9.299		
7,350.00	7,025.02	7,411.05	7,080.31	37.51	38.22	-94.91	-795.75	802.63	679.44	605.26	74.18	9.159		
7,400.00	7,039.49	7,474.97	7,100.76	38.09	38.85	-95.13	-795.35	742.10	679.03	603.56	75.46	8.998		
7,450.00	7,050.17	7,539.03	7,115.11	38.70	39.54	-95.29	-794.22	679.70	677.94	601.07	76.87	8.820		
7,500.00	7,056.98	7,603.05	7,123.15	39.33	40.28	-95.41	-792.34	616.25	676.17	597.79	78.38	8.627		
7,550.00	7,059.89	7,663.24	7,125.03	39.99	41.01	-95.50	-789.94	556.15	673.78	593.88	79.90	8.433		
7,560.55	7,060.00	7,673.78	7,125.05	40.13	41.15	-95.55	-789.48	545.62	673.26	593.08	80.18	8.397		
7,600.00	7,060.09	7,713.18	7,125.15	40.67	41.66	-95.56	-787.78	506.25	671.36	590.11	81.25	8.263		
7,700.00	7,060.32	7,813.07	7,125.39	42.14	43.08	-95.60	-783.48	406.46	666.55	582.37	84.18	7.919		
7,800.00	7,060.55	7,912.95	7,125.63	43.75	44.64	-95.64	-779.17	306.67	661.74	574.37	87.37	7.574		
7,900.00	7,060.78	8,012.83	7,125.87	45.48	46.33	-95.69	-774.86	206.88	656.93	566.11	90.81	7.234		
8,000.00	7,061.01	8,112.72	7,126.11	47.33	48.13	-95.73	-770.56	107.09	652.12	557.65	94.47	6.903		
8,100.00	7,061.24	8,212.60	7,126.35	49.27	50.04	-95.77	-766.25	7.30	647.31	548.98	98.32	6.583		
8,200.00	7,061.47	8,312.48	7,126.59	51.29	52.04	-95.82	-761.94	-92.49	642.50	540.15	102.35	6.278		
8,300.00	7,061.70	8,412.36	7,126.83	53.40	54.12	-95.86	-757.64	-192.28	637.69	531.17	106.52	5.986		
8,400.00	7,061.93	8,512.25	7,127.07	55.57	56.28	-95.91	-753.33	-292.07	632.88	522.05	110.83	5.710		
8,500.00	7,062.16	8,612.13	7,127.30	57.80	58.49	-95.95	-749.02	-391.86	628.07	512.81	115.26	5.449		
8,600.00	7,062.39	8,707.99	7,127.53	60.08	60.66	-96.00	-744.95	-487.63	623.34	503.66	119.68	5.208		
8,700.00	7,062.63	8,790.20	7,127.73	62.42	62.56	-96.02	-743.12	-569.82	620.60	496.84	123.77	5.014		
8,745.85	7,062.73	8,827.93	7,127.82	63.50	63.44	-96.02	-743.07	-607.54	620.30	494.66	125.64	4.937		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
8,800.00	7,062.86	8,879.25	7,127.95	64.79	64.64	-96.02	-743.54	-658.86	620.51	492.41	128.10	4.844		
8,900.00	7,063.09	8,979.24	7,128.18	67.20	67.00	-96.02	-744.52	-758.85	620.97	488.09	132.88	4.673		
9,000.00	7,063.32	9,079.24	7,128.42	69.65	69.41	-96.01	-745.50	-858.85	621.42	483.69	137.73	4.512		
9,100.00	7,063.55	9,179.24	7,128.66	72.12	71.85	-96.01	-746.49	-958.84	621.88	479.24	142.64	4.360		
9,200.00	7,063.78	9,279.24	7,128.90	74.63	74.32	-96.01	-747.47	-1,058.83	622.34	474.72	147.61	4.216		
9,300.00	7,064.01	9,379.24	7,129.14	77.16	76.81	-96.00	-748.45	-1,158.83	622.79	470.16	152.63	4.080		
9,400.00	7,064.24	9,479.24	7,129.38	79.71	79.33	-96.00	-749.43	-1,258.82	623.25	465.55	157.70	3.952		
9,500.00	7,064.47	9,579.24	7,129.62	82.28	81.88	-96.00	-750.41	-1,358.82	623.71	460.90	162.80	3.831		
9,600.00	7,064.70	9,679.24	7,129.86	84.87	84.44	-95.99	-751.40	-1,458.81	624.16	456.21	167.95	3.716		
9,700.00	7,064.93	9,779.24	7,130.10	87.47	87.02	-95.99	-752.38	-1,558.80	624.62	451.49	173.13	3.608		
9,800.00	7,065.16	9,879.24	7,130.34	90.09	89.62	-95.99	-753.36	-1,658.80	625.07	446.74	178.33	3.505		
9,900.00	7,065.39	9,979.23	7,130.58	92.73	92.24	-95.98	-754.34	-1,758.79	625.53	441.96	183.57	3.408		
10,000.00	7,065.62	10,079.23	7,130.82	95.38	94.87	-95.98	-755.32	-1,858.78	625.99	437.15	188.84	3.315		
10,100.00	7,065.85	10,179.23	7,131.06	98.04	97.51	-95.98	-756.30	-1,958.78	626.44	432.32	194.13	3.227		
10,200.00	7,066.08	10,279.23	7,131.30	100.71	100.16	-95.97	-757.29	-2,058.77	626.90	427.46	199.44	3.143		
10,300.00	7,066.31	10,379.23	7,131.54	103.39	102.83	-95.97	-758.27	-2,158.77	627.36	422.59	204.77	3.064		
10,400.00	7,066.54	10,479.23	7,131.78	106.08	105.50	-95.96	-759.25	-2,258.76	627.81	417.70	210.12	2.988		
10,500.00	7,066.77	10,579.23	7,132.02	108.78	108.19	-95.96	-760.23	-2,358.75	628.27	412.78	215.48	2.916		
10,600.00	7,067.01	10,679.23	7,132.26	111.48	110.88	-95.96	-761.21	-2,458.75	628.73	407.86	220.87	2.847		
10,700.00	7,067.24	10,779.23	7,132.50	114.20	113.58	-95.95	-762.20	-2,558.74	629.18	402.92	226.27	2.781		
10,800.00	7,067.47	10,879.22	7,132.74	116.92	116.29	-95.95	-763.18	-2,658.74	629.64	397.96	231.68	2.718		
10,900.00	7,067.70	10,979.22	7,132.98	119.65	119.00	-95.95	-764.16	-2,758.73	630.09	392.99	237.11	2.657		
11,000.00	7,067.93	11,079.22	7,133.22	122.38	121.73	-95.94	-765.14	-2,858.72	630.55	388.01	242.54	2.600		
11,100.00	7,068.16	11,179.22	7,133.46	125.12	124.45	-95.94	-766.12	-2,958.72	631.01	383.01	247.99	2.544		
11,200.00	7,068.39	11,279.22	7,133.69	127.86	127.19	-95.94	-767.10	-3,058.71	631.46	378.01	253.45	2.491		
11,300.00	7,068.62	11,379.22	7,133.93	130.61	129.93	-95.93	-768.09	-3,158.70	631.92	373.00	258.92	2.441		
11,400.00	7,068.85	11,479.22	7,134.17	133.37	132.67	-95.93	-769.07	-3,258.70	632.38	367.97	264.40	2.392		
11,500.00	7,069.08	11,579.22	7,134.41	136.12	135.42	-95.93	-770.05	-3,358.69	632.83	362.94	269.89	2.345		
11,600.00	7,069.31	11,679.22	7,134.65	138.89	138.18	-95.92	-771.03	-3,458.69	633.29	357.90	275.39	2.300		
11,700.00	7,069.54	11,779.22	7,134.89	141.65	140.93	-95.92	-772.01	-3,558.68	633.74	352.85	280.89	2.256		
11,800.00	7,069.77	11,879.21	7,135.13	144.42	143.69	-95.92	-773.00	-3,658.67	634.20	347.80	286.40	2.214		
11,900.00	7,070.00	11,979.21	7,135.37	147.19	146.46	-95.91	-773.98	-3,758.67	634.66	342.73	291.92	2.174		
12,000.00	7,070.23	12,079.21	7,135.61	149.97	149.23	-95.91	-774.96	-3,858.66	635.11	337.67	297.45	2.135		
12,100.00	7,070.46	12,179.21	7,135.85	152.75	152.00	-95.91	-775.94	-3,958.66	635.57	332.59	302.98	2.098		
12,200.00	7,070.69	12,279.21	7,136.09	155.53	154.78	-95.90	-776.92	-4,058.65	636.03	327.51	308.52	2.062		
12,300.00	7,070.92	12,379.21	7,136.33	158.32	157.55	-95.90	-777.90	-4,158.64	636.48	322.42	314.06	2.027		
12,400.00	7,071.16	12,479.21	7,136.57	161.10	160.33	-95.90	-778.89	-4,258.64	636.94	317.33	319.61	1.993		
12,500.00	7,071.39	12,579.21	7,136.81	163.89	163.12	-95.89	-779.87	-4,358.63	637.40	312.23	325.16	1.960		
12,600.00	7,071.62	12,679.21	7,137.05	166.69	165.90	-95.89	-780.85	-4,458.62	637.85	307.13	330.72	1.929		
12,700.00	7,071.85	12,779.20	7,137.29	169.48	168.69	-95.89	-781.83	-4,558.62	638.31	302.03	336.28	1.898		
12,800.00	7,072.08	12,879.20	7,137.53	172.28	171.48	-95.88	-782.81	-4,658.61	638.76	296.92	341.85	1.869		
12,900.00	7,072.31	12,979.20	7,137.77	175.08	174.27	-95.88	-783.80	-4,758.61	639.22	291.80	347.42	1.840		
13,000.00	7,072.54	13,079.20	7,138.01	177.88	177.07	-95.87	-784.78	-4,858.60	639.68	286.68	353.00	1.812		
13,100.00	7,072.77	13,179.20	7,138.25	180.68	179.87	-95.87	-785.76	-4,958.59	640.13	281.56	358.57	1.785		
13,200.00	7,073.00	13,279.20	7,138.49	183.48	182.67	-95.87	-786.74	-5,058.59	640.59	276.43	364.16	1.759		
13,300.00	7,073.23	13,379.20	7,138.73	186.29	185.47	-95.86	-787.72	-5,158.58	641.05	271.30	369.74	1.734		
13,400.00	7,073.46	13,479.20	7,138.97	189.09	188.27	-95.86	-788.71	-5,258.58	641.50	266.17	375.33	1.709		
13,500.00	7,073.69	13,579.20	7,139.20	191.90	191.07	-95.86	-789.69	-5,358.57	641.96	261.04	380.92	1.685		
13,600.00	7,073.92	13,679.20	7,139.44	194.71	193.88	-95.85	-790.67	-5,458.56	642.42	255.90	386.52	1.662		
13,700.00	7,074.15	13,779.19	7,139.68	197.52	196.68	-95.85	-791.65	-5,558.56	642.87	250.76	392.12	1.639		
13,800.00	7,074.38	13,879.19	7,139.92	200.34	199.49	-95.85	-792.63	-5,658.55	643.33	245.61	397.72	1.618		
13,900.00	7,074.61	13,979.19	7,140.16	203.15	202.30	-95.84	-793.61	-5,758.54	643.79	240.47	403.32	1.596		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	14,079.19	7,140.40	205.97	205.11	-95.84	-794.60	-5,858.54	644.24	235.32	408.93	1.575		
14,100.00	7,075.07	14,179.19	7,140.64	208.78	207.92	-95.84	-795.58	-5,958.53	644.70	230.16	414.53	1.555		
14,200.00	7,075.30	14,279.19	7,140.88	211.60	210.74	-95.83	-796.56	-6,058.53	645.15	225.01	420.14	1.536		
14,300.00	7,075.54	14,379.19	7,141.12	214.42	213.55	-95.83	-797.54	-6,158.52	645.61	219.85	425.76	1.516		
14,400.00	7,075.77	14,479.19	7,141.36	217.24	216.37	-95.83	-798.52	-6,258.51	646.07	214.69	431.37	1.498 Level 3		
14,500.00	7,076.00	14,579.19	7,141.60	220.06	219.18	-95.82	-799.51	-6,358.51	646.52	209.53	436.99	1.479 Level 3		
14,600.00	7,076.23	14,679.19	7,141.84	222.88	222.00	-95.82	-800.49	-6,458.50	646.98	204.37	442.61	1.462 Level 3		
14,700.00	7,076.46	14,779.18	7,142.08	225.70	224.82	-95.82	-801.47	-6,558.50	647.44	199.21	448.23	1.444 Level 3		
14,800.00	7,076.69	14,879.18	7,142.32	228.53	227.64	-95.81	-802.45	-6,658.49	647.89	194.04	453.85	1.428 Level 3		
14,900.00	7,076.92	14,979.18	7,142.56	231.35	230.46	-95.81	-803.43	-6,758.48	648.35	188.87	459.48	1.411 Level 3		
15,000.00	7,077.15	15,079.18	7,142.80	234.18	233.28	-95.81	-804.41	-6,858.48	648.81	183.70	465.10	1.395 Level 3		
15,100.00	7,077.38	15,179.18	7,143.04	237.00	236.11	-95.80	-805.40	-6,958.47	649.26	178.53	470.73	1.379 Level 3		
15,200.00	7,077.61	15,279.18	7,143.28	239.83	238.93	-95.80	-806.38	-7,058.46	649.72	173.36	476.36	1.364 Level 3		
15,300.00	7,077.84	15,379.18	7,143.52	242.66	241.75	-95.80	-807.36	-7,158.46	650.17	168.18	481.99	1.349 Level 3		
15,400.00	7,078.07	15,479.18	7,143.76	245.49	244.58	-95.79	-808.34	-7,258.45	650.63	163.01	487.62	1.334 Level 3		
15,500.00	7,078.30	15,579.18	7,144.00	248.31	247.40	-95.79	-809.32	-7,358.45	651.09	157.83	493.26	1.320 Level 3		
15,600.00	7,078.53	15,679.17	7,144.24	251.14	250.23	-95.79	-810.31	-7,458.44	651.54	152.65	498.89	1.306 Level 3		
15,700.00	7,078.76	15,779.17	7,144.48	253.97	253.06	-95.79	-811.29	-7,558.43	652.00	147.47	504.53	1.292 Level 3		
15,800.00	7,078.99	15,879.17	7,144.71	256.80	255.88	-95.78	-812.27	-7,658.43	652.46	142.29	510.17	1.279 Level 3		
15,900.00	7,079.22	15,979.17	7,144.95	259.64	258.71	-95.78	-813.25	-7,758.42	652.91	137.11	515.81	1.266 Level 3		
16,000.00	7,079.45	16,079.17	7,145.19	262.47	261.54	-95.78	-814.23	-7,858.42	653.37	131.92	521.45	1.253 Level 3		
16,100.00	7,079.69	16,179.17	7,145.43	265.30	264.37	-95.77	-815.22	-7,958.41	653.83	126.74	527.09	1.240 Level 2		
16,200.00	7,079.92	16,279.17	7,145.67	268.13	267.20	-95.77	-816.20	-8,058.40	654.28	121.55	532.73	1.228 Level 2		
16,300.00	7,080.15	16,379.17	7,145.91	270.97	270.03	-95.77	-817.18	-8,158.40	654.74	116.36	538.38	1.216 Level 2		
16,400.00	7,080.38	16,479.17	7,146.15	273.80	272.86	-95.76	-818.16	-8,258.39	655.20	111.17	544.02	1.204 Level 2		
16,500.00	7,080.61	16,579.17	7,146.39	276.64	275.69	-95.76	-819.14	-8,358.38	655.65	105.98	549.67	1.193 Level 2		
16,600.00	7,080.84	16,679.16	7,146.63	279.47	278.53	-95.76	-820.12	-8,458.38	656.11	100.79	555.32	1.182 Level 2		
16,700.00	7,081.07	16,779.16	7,146.87	282.31	281.36	-95.75	-821.11	-8,558.37	656.57	95.60	560.96	1.170 Level 2		
16,800.00	7,081.30	16,879.16	7,147.11	285.14	284.19	-95.75	-822.09	-8,658.37	657.02	90.41	566.61	1.160 Level 2		
16,900.00	7,081.53	16,979.16	7,147.35	287.98	287.02	-95.75	-823.07	-8,758.36	657.48	85.21	572.26	1.149 Level 2		
17,000.00	7,081.76	17,079.16	7,147.59	290.82	289.86	-95.74	-824.05	-8,858.35	657.93	80.02	577.91	1.138 Level 2		
17,100.00	7,081.99	17,179.16	7,147.83	293.65	292.69	-95.74	-825.03	-8,958.35	658.39	74.82	583.57	1.128 Level 2		
17,200.00	7,082.22	17,279.16	7,148.07	296.49	295.53	-95.74	-826.02	-9,058.34	658.85	69.63	589.22	1.118 Level 2		
17,300.00	7,082.45	17,379.16	7,148.31	299.33	298.36	-95.73	-827.00	-9,158.34	659.30	64.43	594.87	1.108 Level 2		
17,400.00	7,082.68	17,479.16	7,148.55	302.17	301.20	-95.73	-827.98	-9,258.33	659.76	59.23	600.53	1.099 Level 2		
17,500.00	7,082.91	17,579.15	7,148.79	305.01	304.04	-95.73	-828.96	-9,358.32	660.22	54.03	606.18	1.089 Level 2		
17,600.00	7,083.14	17,679.15	7,149.03	307.85	306.87	-95.72	-829.94	-9,458.32	660.67	48.83	611.84	1.080 Level 2		
17,700.00	7,083.37	17,779.15	7,149.27	310.69	309.71	-95.72	-830.92	-9,558.31	661.13	43.63	617.50	1.071 Level 2		
17,800.00	7,083.60	17,879.15	7,149.51	313.53	312.55	-95.72	-831.91	-9,658.30	661.59	38.43	623.15	1.062 Level 2		
17,900.00	7,083.84	17,979.15	7,149.75	316.37	315.38	-95.71	-832.89	-9,758.30	662.04	33.23	628.81	1.053 Level 2		
18,000.00	7,084.07	18,079.15	7,149.99	319.21	318.22	-95.71	-833.87	-9,858.29	662.50	28.03	634.47	1.044 Level 2		
18,100.00	7,084.30	18,179.15	7,150.22	322.05	321.06	-95.71	-834.85	-9,958.29	662.96	22.83	640.13	1.036 Level 2		
18,200.00	7,084.53	18,279.15	7,150.46	324.89	323.90	-95.70	-835.83	-10,058.28	663.41	17.62	645.79	1.027 Level 2		
18,300.00	7,084.76	18,379.15	7,150.70	327.73	326.74	-95.70	-836.82	-10,158.27	663.87	12.42	651.45	1.019 Level 2		
18,400.00	7,084.99	18,479.15	7,150.94	330.57	329.58	-95.70	-837.80	-10,258.27	664.33	7.21	657.11	1.011 Level 2		
18,500.00	7,085.22	18,579.14	7,151.18	333.41	332.42	-95.70	-838.78	-10,358.26	664.78	2.01	662.77	1.003 Level 2		
18,600.00	7,085.45	18,679.14	7,151.42	336.26	335.26	-95.69	-839.76	-10,458.26	665.24	-3.20	668.44	0.995 Level 1		
18,700.00	7,085.68	18,779.14	7,151.66	339.10	338.10	-95.69	-840.74	-10,558.25	665.69	-8.41	674.10	0.988 Level 1		
18,800.00	7,085.91	18,879.14	7,151.90	341.94	340.94	-95.69	-841.72	-10,658.24	666.15	-13.61	679.76	0.980 Level 1		
18,839.14	7,086.00	18,918.28	7,152.00	343.06	342.05	-95.68	-842.11	-10,697.38	666.33	-15.65	681.98	0.977 Level 1, ES, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-89.98	-0.83	89.98					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-89.98	-0.83	89.98	83.41	6.57	13.697		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-89.98	-0.83	89.98	83.31	6.67	13.483		
300.00	300.00	300.00	300.00	3.44	3.44	-179.47	-89.98	-0.83	89.98	83.09	6.89	13.060 CC, ES		
400.00	399.98	397.78	397.76	3.60	3.59	85.34	-91.19	0.32	91.06	83.86	7.20	12.652		
500.00	499.84	495.48	495.33	3.80	3.78	86.25	-94.81	3.76	94.30	86.71	7.59	12.424		
600.00	599.45	593.01	592.50	4.04	4.01	87.62	-100.82	9.49	99.75	91.68	8.06	12.368		
700.00	698.70	690.30	689.10	4.31	4.27	89.29	-109.20	17.47	107.45	98.84	8.61	12.480		
800.00	797.47	787.27	784.92	4.62	4.56	91.09	-119.92	27.67	117.46	108.25	9.22	12.746		
900.00	895.62	883.84	879.80	4.97	4.89	92.88	-132.91	40.05	129.81	119.93	9.88	13.140		
980.89	974.49	961.60	955.74	5.27	5.17	94.26	-145.06	51.62	141.51	131.06	10.45	13.536		
1,000.00	993.07	979.94	973.57	5.34	5.24	94.61	-148.14	54.55	144.49	133.90	10.60	13.637		
1,100.00	1,090.26	1,075.59	1,066.15	5.75	5.63	95.64	-165.55	71.13	161.27	149.91	11.36	14.192		
1,200.00	1,187.45	1,172.06	1,158.73	6.17	6.05	95.69	-185.16	89.80	179.75	167.58	12.17	14.766		
1,300.00	1,284.64	1,270.27	1,252.84	6.62	6.51	95.59	-205.51	109.19	198.55	185.52	13.03	15.239		
1,400.00	1,381.83	1,368.49	1,346.95	7.07	6.98	95.51	-225.87	128.57	217.34	203.43	13.91	15.620		
1,500.00	1,479.01	1,466.71	1,441.06	7.54	7.46	95.45	-246.23	147.96	236.14	221.31	14.83	15.928		
1,600.00	1,576.20	1,564.93	1,535.17	8.02	7.96	95.39	-266.58	167.34	254.93	239.18	15.76	16.179		
1,700.00	1,673.39	1,663.14	1,629.28	8.50	8.47	95.34	-286.94	186.73	273.73	257.02	16.71	16.385		
1,800.00	1,770.58	1,761.36	1,723.39	8.99	8.99	95.30	-307.29	206.11	292.53	274.86	17.67	16.556		
1,900.00	1,867.77	1,859.58	1,817.50	9.48	9.51	95.26	-327.65	225.50	311.32	292.68	18.64	16.698		
2,000.00	1,964.96	1,957.79	1,911.61	9.98	10.04	95.23	-348.00	244.88	330.12	310.49	19.63	16.817		
2,100.00	2,062.15	2,056.01	2,005.72	10.49	10.57	95.20	-368.36	264.26	348.92	328.29	20.62	16.918		
2,200.00	2,159.34	2,154.23	2,099.83	10.99	11.11	95.17	-388.72	283.65	367.71	346.09	21.63	17.003		
2,300.00	2,256.53	2,252.45	2,193.94	11.50	11.65	95.15	-409.07	303.03	386.51	363.87	22.64	17.076		
2,400.00	2,353.71	2,350.66	2,288.04	12.01	12.20	95.13	-429.43	322.42	405.30	381.66	23.65	17.138		
2,500.00	2,450.90	2,448.88	2,382.15	12.53	12.74	95.11	-449.78	341.80	424.10	399.43	24.67	17.192		
2,600.00	2,548.09	2,547.10	2,476.26	13.04	13.29	95.09	-470.14	361.19	442.90	417.20	25.69	17.238		
2,700.00	2,645.28	2,645.32	2,570.37	13.56	13.85	95.07	-490.49	380.57	461.69	434.97	26.72	17.278		
2,800.00	2,742.47	2,743.53	2,664.48	14.08	14.40	95.06	-510.85	399.95	480.49	452.74	27.75	17.313		
2,900.00	2,839.66	2,841.75	2,758.59	14.60	14.96	95.04	-531.21	419.34	499.29	470.50	28.79	17.344		
3,000.00	2,936.85	2,939.97	2,852.70	15.12	15.51	95.03	-551.56	438.72	518.08	488.26	29.82	17.371		
3,100.00	3,034.04	3,038.19	2,946.81	15.65	16.07	95.02	-571.92	458.11	536.88	506.02	30.86	17.395		
3,200.00	3,131.22	3,136.40	3,040.92	16.17	16.63	95.00	-592.27	477.49	555.68	523.77	31.91	17.415		
3,300.00	3,228.41	3,234.62	3,135.03	16.69	17.19	94.99	-612.63	496.88	574.48	541.52	32.95	17.434		
3,400.00	3,325.60	3,332.84	3,229.14	17.22	17.75	94.98	-632.98	516.26	593.27	559.27	34.00	17.450		
3,500.00	3,422.79	3,431.06	3,323.25	17.75	18.31	94.97	-653.34	535.65	612.07	577.02	35.05	17.465		
3,600.00	3,519.98	3,529.27	3,417.36	18.27	18.88	94.97	-673.69	555.03	630.87	594.77	36.10	17.478		
3,700.00	3,617.17	3,627.49	3,511.47	18.80	19.44	94.96	-694.05	574.41	649.66	612.52	37.15	17.489		
3,800.00	3,714.36	3,725.71	3,605.57	19.33	20.01	94.95	-714.41	593.80	668.46	630.26	38.20	17.500		
3,900.00	3,811.55	3,823.93	3,699.68	19.86	20.57	94.94	-734.76	613.18	687.26	648.01	39.25	17.509		
4,000.00	3,908.74	3,922.14	3,793.79	20.39	21.14	94.93	-755.12	632.57	706.05	665.75	40.31	17.517		
4,100.00	4,005.92	4,020.36	3,887.90	20.92	21.70	94.93	-775.47	651.95	724.85	683.49	41.36	17.525		
4,200.00	4,103.11	4,118.58	3,982.01	21.45	22.27	94.92	-795.83	671.34	743.65	701.23	42.42	17.531		
4,300.00	4,200.30	4,216.80	4,076.12	21.98	22.84	94.92	-816.18	690.72	762.44	718.97	43.48	17.537		
4,400.00	4,297.49	4,315.01	4,170.23	22.51	23.40	94.91	-836.54	710.11	781.24	736.71	44.53	17.543		
4,500.00	4,394.68	4,413.23	4,264.34	23.04	23.97	94.90	-856.90	729.49	800.04	754.45	45.59	17.547		
4,600.00	4,491.87	4,511.45	4,358.45	23.57	24.54	94.90	-877.25	748.87	818.84	772.18	46.65	17.552		
4,700.00	4,589.06	4,609.67	4,452.56	24.10	25.11	94.89	-897.61	768.26	837.63	789.92	47.71	17.556		
4,800.00	4,686.25	4,707.88	4,546.67	24.64	25.68	94.89	-917.96	787.64	856.43	807.66	48.77	17.559		
4,900.00	4,783.43	4,806.10	4,640.78	25.17	26.25	94.88	-938.32	807.03	875.23	825.39	49.84	17.562		
5,000.00	4,880.62	4,904.32	4,734.89	25.70	26.82	94.88	-958.67	826.41	894.02	843.13	50.90	17.565		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,002.54	4,829.00	26.23	27.39	94.88	-979.03	845.80	912.82	860.86	51.96	17.568		
5,200.00	5,075.00	5,100.75	4,923.11	26.77	27.96	94.87	-999.39	865.18	931.62	878.59	53.02	17.570		
5,300.00	5,172.19	5,201.03	5,017.21	27.30	28.54	94.87	-1,019.74	884.57	950.41	896.32	54.10	17.568		
5,400.00	5,269.38	5,302.81	5,111.32	27.83	29.13	94.86	-1,040.10	903.95	969.21	914.03	55.18	17.564		
5,457.75	5,325.51	5,353.91	5,165.67	28.14	29.43	94.86	-1,051.85	915.14	980.07	924.30	55.77	17.575		
5,500.00	5,366.64	5,404.59	5,205.44	28.37	29.72	95.00	-1,060.45	923.33	987.98	931.72	56.26	17.560		
5,600.00	5,464.53	5,493.62	5,299.54	28.87	30.24	95.19	-1,080.81	942.72	1,006.51	949.27	57.24	17.585		
5,700.00	5,563.07	5,608.29	5,393.53	29.35	30.90	95.18	-1,101.14	962.08	1,024.75	966.43	58.31	17.573		
5,800.00	5,662.15	5,689.57	5,487.30	29.80	31.38	94.99	-1,121.42	981.39	1,042.75	983.58	59.17	17.624		
5,900.00	5,761.64	5,787.07	5,580.72	30.23	31.94	94.63	-1,141.63	1,000.63	1,060.58	1,000.51	60.07	17.655		
6,000.00	5,861.42	5,884.10	5,673.69	30.64	32.51	94.11	-1,161.74	1,019.78	1,078.35	1,017.41	60.93	17.697		
6,100.00	5,961.36	5,980.54	5,766.09	31.02	33.07	93.44	-1,181.72	1,038.82	1,096.17	1,034.41	61.76	17.749		
6,138.64	6,000.00	6,017.62	5,801.62	31.16	33.29	-171.34	-1,189.41	1,046.13	1,103.10	1,041.04	62.06	17.774		
6,200.00	6,061.36	6,076.41	5,857.95	31.38	33.63	-172.04	-1,201.59	1,057.74	1,114.22	1,051.68	62.54	17.816		
6,300.00	6,161.36	6,172.23	5,949.76	31.74	34.19	-173.14	-1,221.45	1,076.65	1,132.69	1,069.37	63.32	17.889		
6,400.00	6,261.36	6,268.05	6,041.57	32.10	34.74	-174.22	-1,241.31	1,095.56	1,151.57	1,087.48	64.10	17.966		
6,500.00	6,361.36	6,363.86	6,133.38	32.46	35.30	-175.25	-1,261.17	1,114.47	1,170.85	1,105.98	64.88	18.047		
6,562.02	6,423.38	6,423.29	6,190.32	32.68	35.65	-175.88	-1,273.48	1,126.20	1,183.00	1,117.64	65.36	18.099		
6,600.00	6,461.34	6,459.44	6,224.96	32.82	35.86	-85.33	-1,280.97	1,133.33	1,190.43	1,124.78	65.65	18.134		
6,650.00	6,511.08	6,506.13	6,269.70	32.99	36.13	-85.15	-1,290.65	1,142.55	1,200.06	1,134.06	66.00	18.183		
6,700.00	6,560.29	6,551.54	6,313.21	33.17	36.39	-85.11	-1,300.06	1,151.51	1,209.61	1,143.28	66.33	18.235		
6,750.00	6,608.64	6,595.39	6,355.23	33.36	36.65	-85.18	-1,309.15	1,160.17	1,219.17	1,152.52	66.65	18.291		
6,800.00	6,655.86	6,637.41	6,395.49	33.56	36.89	-85.32	-1,317.86	1,168.46	1,228.87	1,161.91	66.96	18.353		
6,850.00	6,701.64	6,677.34	6,433.75	33.78	37.13	-85.51	-1,326.13	1,176.34	1,238.84	1,171.59	67.25	18.421		
6,900.00	6,745.71	6,714.93	6,469.77	34.01	37.35	-85.68	-1,333.93	1,183.76	1,249.24	1,181.70	67.53	18.498		
6,950.00	6,787.79	6,753.06	6,506.35	34.27	37.57	-85.91	-1,341.84	1,190.99	1,260.17	1,192.33	67.84	18.576		
7,000.00	6,827.62	6,795.52	6,547.48	34.56	37.79	-86.25	-1,350.73	1,196.68	1,271.59	1,203.38	68.21	18.642		
7,050.00	6,864.96	6,840.72	6,591.56	34.87	38.01	-86.63	-1,360.24	1,199.65	1,283.44	1,214.81	68.63	18.701		
7,100.00	6,899.58	6,889.38	6,639.11	35.21	38.21	-87.08	-1,370.50	1,199.26	1,295.65	1,226.55	69.10	18.751		
7,150.00	6,931.26	6,942.47	6,690.79	35.60	38.39	-87.63	-1,381.64	1,194.60	1,308.14	1,238.53	69.61	18.791		
7,200.00	6,959.81	7,001.31	6,747.41	36.02	38.57	-88.30	-1,393.83	1,184.31	1,320.79	1,250.61	70.18	18.820		
7,250.00	6,985.06	7,067.72	6,809.87	36.47	38.75	-89.14	-1,407.26	1,166.34	1,333.45	1,262.65	70.79	18.835		
7,300.00	7,006.84	7,144.15	6,879.05	36.97	38.96	-90.18	-1,422.11	1,137.55	1,345.88	1,274.43	71.45	18.836		
7,350.00	7,025.02	7,233.93	6,955.30	37.51	39.20	-91.47	-1,438.44	1,093.22	1,357.76	1,285.59	72.17	18.813		
7,400.00	7,039.49	7,341.15	7,037.29	38.09	39.55	-92.99	-1,455.95	1,026.58	1,368.62	1,295.62	73.01	18.747		
7,450.00	7,050.17	7,470.03	7,119.67	38.70	40.07	-94.64	-1,473.47	929.33	1,377.80	1,303.64	74.15	18.581		
7,500.00	7,056.98	7,622.62	7,190.13	39.33	40.95	-96.14	-1,488.31	795.20	1,384.42	1,308.44	75.98	18.220		
7,550.00	7,059.89	7,794.78	7,229.71	39.99	42.33	-97.06	-1,496.41	628.39	1,387.59	1,308.73	78.86	17.596		
7,560.55	7,060.00	7,832.53	7,232.41	40.13	42.69	-97.14	-1,496.89	590.74	1,387.75	1,308.16	79.60	17.435		
7,600.00	7,060.09	7,909.14	7,233.08	40.67	43.49	-97.16	-1,496.88	532.42	1,387.52	1,306.31	81.21	17.086		
7,700.00	7,060.32	8,009.14	7,233.33	42.14	44.68	-97.17	-1,496.67	432.43	1,386.79	1,302.73	84.06	16.498		
7,800.00	7,060.55	8,109.15	7,233.58	43.75	46.04	-97.17	-1,496.46	332.43	1,386.06	1,298.87	87.19	15.897		
7,900.00	7,060.78	8,209.15	7,233.83	45.48	47.56	-97.17	-1,496.25	232.43	1,385.33	1,294.77	90.57	15.296		
8,000.00	7,061.01	8,309.15	7,234.07	47.33	49.21	-97.18	-1,496.04	132.43	1,384.60	1,290.44	94.17	14.704		
8,100.00	7,061.24	8,409.16	7,234.32	49.27	50.98	-97.18	-1,495.82	32.44	1,383.88	1,285.91	97.96	14.126		
8,200.00	7,061.47	8,509.16	7,234.57	51.29	52.86	-97.19	-1,495.61	-67.56	1,383.15	1,281.21	101.94	13.569		
8,300.00	7,061.70	8,609.16	7,234.82	53.40	54.83	-97.19	-1,495.40	-167.56	1,382.42	1,276.36	106.06	13.034		
8,400.00	7,061.93	8,709.16	7,235.07	55.57	56.89	-97.20	-1,495.19	-267.55	1,381.69	1,271.36	110.33	12.523		
8,500.00	7,062.16	8,809.17	7,235.32	57.80	59.02	-97.20	-1,494.98	-367.55	1,380.97	1,266.25	114.72	12.038		
8,600.00	7,062.39	8,909.17	7,235.57	60.08	61.21	-97.21	-1,494.76	-467.55	1,380.24	1,261.02	119.22	11.578		
8,700.00	7,062.63	9,009.17	7,235.82	62.42	63.46	-97.21	-1,494.55	-567.54	1,379.51	1,255.70	123.81	11.142		
8,800.00	7,062.86	9,109.17	7,236.06	64.79	65.76	-97.22	-1,494.34	-667.54	1,378.78	1,250.29	128.49	10.731		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,209.18	7,236.31	67.20	68.11	-97.22	-1,494.13	-767.54	1,378.06	1,244.81	133.25	10.342		
9,000.00	7,063.32	9,309.18	7,236.56	69.65	70.49	-97.23	-1,493.92	-867.53	1,377.33	1,239.25	138.08	9.975		
9,100.00	7,063.55	9,409.18	7,236.81	72.12	72.91	-97.23	-1,493.71	-967.53	1,376.60	1,233.63	142.97	9.629		
9,200.00	7,063.78	9,509.19	7,237.06	74.63	75.36	-97.23	-1,493.49	-1,067.53	1,375.87	1,227.96	147.92	9.302		
9,300.00	7,064.01	9,609.19	7,237.31	77.16	77.85	-97.24	-1,493.28	-1,167.52	1,375.14	1,222.23	152.91	8.993		
9,400.00	7,064.24	9,709.19	7,237.56	79.71	80.35	-97.24	-1,493.07	-1,267.52	1,374.42	1,216.46	157.96	8.701		
9,500.00	7,064.47	9,809.19	7,237.80	82.28	82.89	-97.25	-1,492.86	-1,367.52	1,373.69	1,210.65	163.04	8.425		
9,600.00	7,064.70	9,909.20	7,238.05	84.87	85.44	-97.25	-1,492.65	-1,467.51	1,372.96	1,204.80	168.17	8.164		
9,700.00	7,064.93	10,009.20	7,238.30	87.47	88.01	-97.26	-1,492.44	-1,567.51	1,372.23	1,198.91	173.33	7.917		
9,800.00	7,065.16	10,109.20	7,238.55	90.09	90.60	-97.26	-1,492.22	-1,667.51	1,371.51	1,192.99	178.51	7.683		
9,900.00	7,065.39	10,209.20	7,238.80	92.73	93.21	-97.27	-1,492.01	-1,767.50	1,370.78	1,187.05	183.73	7.461		
10,000.00	7,065.62	10,309.21	7,239.05	95.38	95.83	-97.27	-1,491.80	-1,867.50	1,370.05	1,181.07	188.98	7.250		
10,100.00	7,065.85	10,409.21	7,239.30	98.04	98.46	-97.28	-1,491.59	-1,967.50	1,369.32	1,175.08	194.25	7.049		
10,200.00	7,066.08	10,509.21	7,239.55	100.71	101.11	-97.28	-1,491.38	-2,067.49	1,368.60	1,169.06	199.54	6.859		
10,300.00	7,066.31	10,609.21	7,239.79	103.39	103.77	-97.29	-1,491.16	-2,167.49	1,367.87	1,163.02	204.85	6.677		
10,400.00	7,066.54	10,709.22	7,240.04	106.08	106.44	-97.29	-1,490.95	-2,267.49	1,367.14	1,156.96	210.18	6.505		
10,500.00	7,066.77	10,809.22	7,240.29	108.78	109.12	-97.29	-1,490.74	-2,367.48	1,366.41	1,150.88	215.53	6.340		
10,600.00	7,067.01	10,909.22	7,240.54	111.48	111.81	-97.30	-1,490.53	-2,467.48	1,365.69	1,144.79	220.90	6.182		
10,700.00	7,067.24	11,009.23	7,240.79	114.20	114.50	-97.30	-1,490.32	-2,567.48	1,364.96	1,138.68	226.28	6.032		
10,800.00	7,067.47	11,109.23	7,241.04	116.92	117.21	-97.31	-1,490.11	-2,667.47	1,364.23	1,132.56	231.67	5.889		
10,900.00	7,067.70	11,209.23	7,241.29	119.65	119.92	-97.31	-1,489.89	-2,767.47	1,363.50	1,126.43	237.08	5.751		
11,000.00	7,067.93	11,309.23	7,241.53	122.38	122.64	-97.32	-1,489.68	-2,867.47	1,362.78	1,120.28	242.50	5.620		
11,100.00	7,068.16	11,409.24	7,241.78	125.12	125.37	-97.32	-1,489.47	-2,967.46	1,362.05	1,114.12	247.93	5.494		
11,200.00	7,068.39	11,509.24	7,242.03	127.86	128.10	-97.33	-1,489.26	-3,067.46	1,361.32	1,107.95	253.37	5.373		
11,300.00	7,068.62	11,609.24	7,242.28	130.61	130.83	-97.33	-1,489.05	-3,167.46	1,360.59	1,101.77	258.82	5.257		
11,400.00	7,068.85	11,709.24	7,242.53	133.37	133.58	-97.34	-1,488.84	-3,267.46	1,359.87	1,095.58	264.28	5.145		
11,500.00	7,069.08	11,809.25	7,242.78	136.12	136.32	-97.34	-1,488.62	-3,367.45	1,359.14	1,089.39	269.75	5.038		
11,600.00	7,069.31	11,909.25	7,243.03	138.89	139.07	-97.35	-1,488.41	-3,467.45	1,358.41	1,083.69	274.73	4.945		
11,700.00	7,069.54	12,009.25	7,243.28	141.65	141.83	-97.35	-1,488.20	-3,567.45	1,357.69	1,077.97	280.72	4.836		
11,800.00	7,069.77	12,109.26	7,243.52	144.42	144.59	-97.36	-1,487.99	-3,667.44	1,356.96	1,072.75	286.21	4.741		
11,900.00	7,070.00	12,209.26	7,243.77	147.19	147.36	-97.36	-1,487.78	-3,767.44	1,356.23	1,066.52	291.71	4.649		
12,000.00	7,070.23	12,309.26	7,244.02	149.97	150.12	-97.37	-1,487.57	-3,867.44	1,355.50	1,058.28	297.22	4.561		
12,100.00	7,070.46	12,409.26	7,244.27	152.75	152.90	-97.37	-1,487.35	-3,967.43	1,354.78	1,052.04	302.73	4.475		
12,200.00	7,070.69	12,509.27	7,244.52	155.53	155.67	-97.37	-1,487.14	-4,067.43	1,354.05	1,045.80	308.25	4.393		
12,300.00	7,070.92	12,609.27	7,244.77	158.32	158.45	-97.38	-1,486.93	-4,167.43	1,353.32	1,039.55	313.78	4.313		
12,400.00	7,071.16	12,709.27	7,245.02	161.10	161.23	-97.38	-1,486.72	-4,267.42	1,352.59	1,033.29	319.30	4.236		
12,500.00	7,071.39	12,809.27	7,245.26	163.89	164.01	-97.39	-1,486.51	-4,367.42	1,351.87	1,027.03	324.84	4.162		
12,600.00	7,071.62	12,909.28	7,245.51	166.69	166.80	-97.39	-1,486.29	-4,467.42	1,351.14	1,020.76	330.38	4.090		
12,700.00	7,071.85	13,009.28	7,245.76	169.48	169.59	-97.40	-1,486.08	-4,567.41	1,350.41	1,014.49	335.92	4.020		
12,800.00	7,072.08	13,109.28	7,246.01	172.28	172.38	-97.40	-1,485.87	-4,667.41	1,349.68	1,008.21	341.47	3.953		
12,900.00	7,072.31	13,209.29	7,246.26	175.08	175.17	-97.41	-1,485.66	-4,767.41	1,348.96	1,001.94	347.02	3.887		
13,000.00	7,072.54	13,309.29	7,246.51	177.88	177.97	-97.41	-1,485.45	-4,867.40	1,348.23	995.65	352.58	3.824		
13,100.00	7,072.77	13,409.29	7,246.76	180.68	180.76	-97.42	-1,485.24	-4,967.40	1,347.50	989.37	358.14	3.763		
13,200.00	7,073.00	13,509.29	7,247.01	183.48	183.56	-97.42	-1,485.02	-5,067.40	1,346.78	983.08	363.70	3.703		
13,300.00	7,073.23	13,609.30	7,247.25	186.29	186.36	-97.43	-1,484.81	-5,167.39	1,346.05	976.78	369.27	3.645		
13,400.00	7,073.46	13,709.30	7,247.50	189.09	189.17	-97.43	-1,484.60	-5,267.39	1,345.32	970.49	374.84	3.589		
13,500.00	7,073.69	13,809.30	7,247.75	191.90	191.97	-97.44	-1,484.39	-5,367.39	1,344.59	964.19	380.41	3.535		
13,600.00	7,073.92	13,909.30	7,248.00	194.71	194.78	-97.44	-1,484.18	-5,467.38	1,343.87	957.88	385.98	3.482		
13,700.00	7,074.15	14,009.31	7,248.25	197.52	197.59	-97.45	-1,483.97	-5,567.38	1,343.14	951.58	391.56	3.430		
13,800.00	7,074.38	14,109.31	7,248.50	200.34	200.39	-97.45	-1,483.75	-5,667.38	1,342.41	945.27	397.14	3.380		
13,900.00	7,074.61	14,209.31	7,248.75	203.15	203.21	-97.46	-1,483.54	-5,767.37	1,341.68	938.96	402.72	3.332		
14,000.00	7,074.84	14,309.32	7,248.99	205.97	206.02	-97.46	-1,483.33	-5,867.37	1,340.96	932.65	408.31	3.284		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	14,409.32	7,249.24	208.78	208.83	-97.47	-1,483.12	-5,967.37	1,340.23	926.33	413.90	3.238		
14,200.00	7,075.30	14,509.32	7,249.49	211.60	211.65	-97.47	-1,482.91	-6,067.36	1,339.50	920.02	419.49	3.193		
14,300.00	7,075.54	14,609.32	7,249.74	214.42	214.46	-97.48	-1,482.70	-6,167.36	1,338.78	913.70	425.08	3.149		
14,400.00	7,075.77	14,709.33	7,249.99	217.24	217.28	-97.48	-1,482.48	-6,267.36	1,338.05	907.38	430.67	3.107		
14,500.00	7,076.00	14,809.33	7,250.24	220.06	220.10	-97.49	-1,482.27	-6,367.35	1,337.32	901.05	436.27	3.065		
14,600.00	7,076.23	14,909.33	7,250.49	222.88	222.92	-97.49	-1,482.06	-6,467.35	1,336.59	894.73	441.87	3.025		
14,700.00	7,076.46	15,009.33	7,250.74	225.70	225.74	-97.50	-1,481.85	-6,567.35	1,335.87	888.40	447.47	2.985		
14,800.00	7,076.69	15,109.34	7,250.98	228.53	228.56	-97.50	-1,481.64	-6,667.34	1,335.14	882.07	453.07	2.947		
14,900.00	7,076.92	15,209.34	7,251.23	231.35	231.38	-97.51	-1,481.42	-6,767.34	1,334.41	875.74	458.67	2.909		
15,000.00	7,077.15	15,309.34	7,251.48	234.18	234.21	-97.51	-1,481.21	-6,867.34	1,333.69	869.41	464.28	2.873		
15,100.00	7,077.38	15,409.35	7,251.73	237.00	237.03	-97.52	-1,481.00	-6,967.34	1,332.96	863.08	469.88	2.837		
15,200.00	7,077.61	15,509.35	7,251.98	239.83	239.86	-97.52	-1,480.79	-7,067.33	1,332.23	856.74	475.49	2.802		
15,300.00	7,077.84	15,609.35	7,252.23	242.66	242.68	-97.52	-1,480.58	-7,167.33	1,331.51	850.41	481.10	2.768		
15,400.00	7,078.07	15,709.35	7,252.48	245.49	245.51	-97.53	-1,480.37	-7,267.33	1,330.78	844.07	486.71	2.734		
15,500.00	7,078.30	15,809.36	7,252.73	248.31	248.34	-97.53	-1,480.15	-7,367.32	1,330.05	837.73	492.32	2.702		
15,600.00	7,078.53	15,909.36	7,252.97	251.14	251.16	-97.54	-1,479.94	-7,467.32	1,329.32	831.39	497.93	2.670		
15,700.00	7,078.76	16,009.36	7,253.22	253.97	253.99	-97.54	-1,479.73	-7,567.32	1,328.60	825.05	503.55	2.638		
15,800.00	7,078.99	16,109.36	7,253.47	256.80	256.82	-97.55	-1,479.52	-7,667.31	1,327.87	818.71	509.16	2.608		
15,900.00	7,079.22	16,190.63	7,253.72	259.64	259.12	-97.55	-1,479.31	-7,767.31	1,327.14	812.89	514.25	2.581		
16,000.00	7,079.45	16,309.37	7,253.97	262.47	262.49	-97.56	-1,479.10	-7,867.31	1,326.42	806.02	520.40	2.549		
16,100.00	7,079.69	16,409.37	7,254.22	265.30	265.32	-97.56	-1,478.88	-7,967.30	1,325.69	799.67	526.01	2.520		
16,200.00	7,079.92	16,509.37	7,254.47	268.13	268.15	-97.57	-1,478.67	-8,067.30	1,324.96	793.33	531.63	2.492		
16,300.00	7,080.15	16,609.38	7,254.71	270.97	270.98	-97.57	-1,478.46	-8,167.30	1,324.24	786.98	537.25	2.465		
16,400.00	7,080.38	16,709.38	7,254.96	273.80	273.82	-97.58	-1,478.25	-8,267.29	1,323.51	780.63	542.88	2.438		
16,500.00	7,080.61	16,809.38	7,255.21	276.64	276.65	-97.58	-1,478.04	-8,367.29	1,322.78	774.28	548.50	2.412		
16,600.00	7,080.84	16,909.39	7,255.46	279.47	279.48	-97.59	-1,477.83	-8,467.29	1,322.05	767.93	554.12	2.386		
16,700.00	7,081.07	17,009.39	7,255.71	282.31	282.32	-97.59	-1,477.61	-8,567.28	1,321.33	761.58	559.75	2.361		
16,800.00	7,081.30	17,109.39	7,255.96	285.14	285.16	-97.60	-1,477.40	-8,667.28	1,320.60	755.23	565.37	2.336		
16,900.00	7,081.53	17,209.39	7,256.21	287.98	287.99	-97.60	-1,477.19	-8,767.28	1,319.87	748.88	571.00	2.312		
17,000.00	7,081.76	17,309.40	7,256.46	290.82	290.83	-97.61	-1,476.98	-8,867.27	1,319.15	742.52	576.62	2.288		
17,100.00	7,081.99	17,409.40	7,256.70	293.65	293.67	-97.61	-1,476.77	-8,967.27	1,318.42	736.17	582.25	2.264		
17,200.00	7,082.22	17,509.40	7,256.95	296.49	296.50	-97.62	-1,476.55	-9,067.27	1,317.69	729.82	587.88	2.241		
17,300.00	7,082.45	17,609.40	7,257.20	299.33	299.34	-97.62	-1,476.34	-9,167.26	1,316.97	723.46	593.51	2.219		
17,400.00	7,082.68	17,709.41	7,257.45	302.17	302.18	-97.63	-1,476.13	-9,267.26	1,316.24	717.10	599.14	2.197		
17,500.00	7,082.91	17,809.41	7,257.70	305.01	305.02	-97.63	-1,475.92	-9,367.26	1,315.51	710.75	604.77	2.175		
17,600.00	7,083.14	17,909.41	7,257.95	307.85	307.86	-97.64	-1,475.71	-9,467.25	1,314.79	704.39	610.40	2.154		
17,700.00	7,083.37	18,009.42	7,258.20	310.69	310.70	-97.64	-1,475.50	-9,567.25	1,314.06	698.03	616.03	2.133		
17,800.00	7,083.60	18,109.42	7,258.44	313.53	313.54	-97.65	-1,475.28	-9,667.25	1,313.33	691.67	621.66	2.113		
17,900.00	7,083.84	18,209.42	7,258.69	316.37	316.38	-97.65	-1,475.07	-9,767.24	1,312.61	685.32	627.29	2.093		
18,000.00	7,084.07	18,309.42	7,258.94	319.21	319.22	-97.66	-1,474.86	-9,867.24	1,311.88	678.96	632.92	2.073		
18,100.00	7,084.30	18,409.43	7,259.19	322.05	322.06	-97.66	-1,474.65	-9,967.24	1,311.15	672.60	638.56	2.053		
18,200.00	7,084.53	18,509.43	7,259.44	324.89	324.90	-97.67	-1,474.44	-10,067.23	1,310.43	666.24	644.19	2.034		
18,300.00	7,084.76	18,609.43	7,259.69	327.73	327.74	-97.67	-1,474.23	-10,167.23	1,309.70	659.87	649.82	2.015		
18,400.00	7,084.99	18,709.43	7,259.94	330.57	330.59	-97.68	-1,474.01	-10,267.23	1,308.97	653.51	655.46	1.997		
18,500.00	7,085.22	18,809.44	7,260.19	333.41	333.43	-97.69	-1,473.80	-10,367.23	1,308.25	647.15	661.09	1.979		
18,600.00	7,085.45	18,909.44	7,260.43	336.26	336.27	-97.69	-1,473.59	-10,467.22	1,307.52	640.79	666.73	1.961		
18,700.00	7,085.68	19,009.44	7,260.68	339.10	339.12	-97.70	-1,473.38	-10,567.22	1,306.79	634.43	672.37	1.944		
18,800.00	7,085.91	19,090.56	7,260.93	341.94	341.42	-97.70	-1,473.17	-10,667.22	1,306.06	628.00	677.47	1.928		
18,837.15	7,086.00	19,118.22	7,261.00	343.00	342.21	-97.70	-1,473.11	-10,694.88	1,305.83	626.57	679.26	1.922		
18,839.14	7,086.00	19,118.22	7,261.00	343.06	342.21	-97.70	-1,473.11	-10,694.88	1,305.83	626.52	679.31	1.922 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-104.91	-0.83	104.92					
100.00	100.00	100.00	100.00	3.28	3.28	-179.54	-104.91	-0.83	104.92	98.35	6.57	15.970		
200.00	200.00	200.00	200.00	3.34	3.34	-179.54	-104.91	-0.83	104.92	98.24	6.67	15.720 CC, ES		
300.00	300.00	297.36	297.34	3.44	3.44	179.84	-106.13	0.29	106.16	99.27	6.89	15.413		
400.00	399.98	394.57	394.42	3.60	3.58	83.39	-109.76	3.65	109.75	102.55	7.20	15.238		
500.00	499.84	491.55	491.05	3.80	3.78	83.07	-115.80	9.23	115.48	107.88	7.61	15.180		
600.00	599.45	588.23	587.04	4.04	4.01	83.28	-124.20	16.99	123.33	115.23	8.09	15.238		
700.00	698.70	684.52	682.22	4.31	4.28	83.92	-134.93	26.91	133.28	124.63	8.65	15.412		
800.00	797.47	780.36	776.39	4.62	4.58	84.84	-147.93	38.93	145.36	136.09	9.26	15.694		
900.00	895.62	875.66	869.41	4.97	4.92	85.95	-163.15	53.00	159.58	149.65	9.93	16.073		
980.89	974.49	952.31	943.69	5.27	5.22	86.90	-177.03	65.83	172.68	162.17	10.51	16.431		
1,000.00	993.07	970.36	961.11	5.34	5.30	87.18	-180.51	69.05	175.98	165.33	10.65	16.523		
1,100.00	1,090.26	1,065.36	1,052.28	5.75	5.70	88.08	-200.11	87.16	194.57	183.15	11.42	17.040		
1,200.00	1,187.45	1,163.46	1,146.15	6.17	6.15	88.64	-221.03	106.51	213.87	201.63	12.24	17.476		
1,300.00	1,284.64	1,261.56	1,240.02	6.62	6.62	89.11	-241.96	125.86	233.18	220.09	13.09	17.807		
1,400.00	1,381.83	1,359.66	1,333.88	7.07	7.11	89.51	-262.89	145.20	252.51	238.53	13.98	18.060		
1,500.00	1,479.01	1,457.76	1,427.75	7.54	7.61	89.85	-283.82	164.55	271.85	256.95	14.89	18.253		
1,600.00	1,576.20	1,555.86	1,521.62	8.02	8.12	90.15	-304.75	183.90	291.19	275.37	15.83	18.399		
1,700.00	1,673.39	1,653.96	1,615.49	8.50	8.64	90.41	-325.68	203.24	310.54	293.77	16.78	18.511		
1,800.00	1,770.58	1,752.06	1,709.36	8.99	9.16	90.64	-346.61	222.59	329.90	312.16	17.74	18.597		
1,900.00	1,867.77	1,850.16	1,803.23	9.48	9.70	90.84	-367.54	241.94	349.26	330.55	18.72	18.661		
2,000.00	1,964.96	1,948.26	1,897.10	9.98	10.23	91.03	-388.47	261.28	368.63	348.93	19.70	18.710		
2,100.00	2,062.15	2,046.36	1,990.97	10.49	10.78	91.19	-409.40	280.63	388.00	367.30	20.70	18.746		
2,200.00	2,159.34	2,144.46	2,084.84	10.99	11.32	91.34	-430.33	299.98	407.37	385.67	21.70	18.772		
2,300.00	2,256.53	2,242.56	2,178.71	11.50	11.87	91.47	-451.26	319.32	426.74	404.03	22.71	18.791		
2,400.00	2,353.71	2,340.66	2,272.57	12.01	12.42	91.60	-472.19	338.67	446.12	422.39	23.73	18.803		
2,500.00	2,450.90	2,438.76	2,366.44	12.53	12.97	91.71	-493.12	358.02	465.49	440.75	24.75	18.811		
2,600.00	2,548.09	2,536.86	2,460.31	13.04	13.53	91.82	-514.05	377.37	484.87	459.10	25.77	18.815		
2,700.00	2,645.28	2,634.97	2,554.18	13.56	14.09	91.91	-534.98	396.71	504.25	477.45	26.80	18.816		
2,800.00	2,742.47	2,733.07	2,648.05	14.08	14.65	92.00	-555.91	416.06	523.64	495.80	27.83	18.815		
2,900.00	2,839.66	2,831.17	2,741.92	14.60	15.21	92.08	-576.83	435.41	543.02	514.15	28.87	18.811		
3,000.00	2,936.85	2,929.27	2,835.79	15.12	15.77	92.16	-597.76	454.75	562.40	532.50	29.90	18.807		
3,100.00	3,034.04	3,027.37	2,929.66	15.65	16.33	92.23	-618.69	474.10	581.79	550.84	30.95	18.801		
3,200.00	3,131.22	3,125.47	3,023.53	16.17	16.90	92.30	-639.62	493.45	601.17	569.19	31.99	18.794		
3,300.00	3,228.41	3,223.57	3,117.40	16.69	17.46	92.36	-660.55	512.79	620.56	587.53	33.03	18.786		
3,400.00	3,325.60	3,321.67	3,211.26	17.22	18.03	92.42	-681.48	532.14	639.95	605.87	34.08	18.778		
3,500.00	3,422.79	3,419.77	3,305.13	17.75	18.60	92.48	-702.41	551.49	659.33	624.21	35.13	18.769		
3,600.00	3,519.98	3,517.87	3,399.00	18.27	19.16	92.53	-723.34	570.84	678.72	642.54	36.18	18.760		
3,700.00	3,617.17	3,615.97	3,492.87	18.80	19.73	92.58	-744.27	590.18	698.11	660.88	37.23	18.751		
3,800.00	3,714.36	3,714.07	3,586.74	19.33	20.30	92.63	-765.20	609.53	717.50	679.22	38.28	18.742		
3,900.00	3,811.55	3,812.17	3,680.61	19.86	20.87	92.67	-786.13	628.88	736.89	697.55	39.34	18.733		
4,000.00	3,908.74	3,910.27	3,774.48	20.39	21.44	92.71	-807.06	648.22	756.28	715.89	40.39	18.724		
4,100.00	4,005.92	4,008.37	3,868.35	20.92	22.01	92.75	-827.99	667.57	775.67	734.22	41.45	18.714		
4,200.00	4,103.11	4,106.47	3,962.22	21.45	22.58	92.79	-848.92	686.92	795.06	752.56	42.51	18.705		
4,300.00	4,200.30	4,204.58	4,056.09	21.98	23.15	92.83	-869.85	706.26	814.45	770.89	43.56	18.696		
4,400.00	4,297.49	4,302.68	4,149.95	22.51	23.72	92.86	-890.78	725.61	833.85	789.22	44.62	18.687		
4,500.00	4,394.68	4,400.78	4,243.82	23.04	24.30	92.89	-911.71	744.96	853.24	807.56	45.68	18.678		
4,600.00	4,491.87	4,501.12	4,337.69	23.57	24.88	92.93	-932.64	764.31	872.63	825.87	46.75	18.664		
4,700.00	4,589.06	4,603.02	4,431.56	24.10	25.48	92.96	-953.56	783.65	892.02	844.19	47.84	18.647		
4,800.00	4,686.25	4,695.08	4,525.43	24.64	26.01	92.99	-974.49	803.00	911.41	862.55	48.86	18.652		
4,900.00	4,783.43	4,806.82	4,619.30	25.17	26.67	93.01	-995.42	822.35	930.81	880.81	50.00	18.616		
5,000.00	4,880.62	4,908.72	4,713.17	25.70	27.26	93.04	-1,016.35	841.69	950.20	899.11	51.09	18.600		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,989.38	4,807.04	26.23	27.73	93.06	-1,037.28	861.04	969.59	917.54	52.05	18.627		
5,200.00	5,075.00	5,087.48	4,900.91	26.77	28.31	93.09	-1,058.21	880.39	988.99	935.87	53.12	18.619		
5,300.00	5,172.19	5,185.58	4,994.78	27.30	28.88	93.11	-1,079.14	899.73	1,008.38	954.20	54.18	18.611		
5,400.00	5,269.38	5,283.68	5,088.64	27.83	29.46	93.14	-1,100.07	919.08	1,027.77	972.53	55.25	18.604		
5,457.75	5,325.51	5,340.34	5,142.85	28.14	29.79	93.15	-1,112.16	930.25	1,038.97	983.11	55.86	18.600		
5,500.00	5,366.64	5,381.79	5,182.52	28.37	30.03	93.31	-1,121.00	938.43	1,047.15	990.84	56.31	18.597		
5,600.00	5,464.53	5,479.88	5,276.38	28.87	30.61	93.54	-1,141.93	957.77	1,066.36	1,009.03	57.33	18.600		
5,700.00	5,563.07	5,577.85	5,370.12	29.35	31.18	93.59	-1,162.83	977.10	1,085.39	1,027.07	58.32	18.612		
5,800.00	5,662.15	5,675.58	5,463.64	29.80	31.75	93.47	-1,183.68	996.37	1,104.25	1,044.99	59.26	18.634		
5,900.00	5,761.64	5,772.96	5,556.82	30.23	32.32	93.19	-1,204.46	1,015.57	1,123.03	1,062.87	60.16	18.666		
6,000.00	5,861.42	5,869.86	5,649.54	30.64	32.89	92.76	-1,225.13	1,034.68	1,141.80	1,080.78	61.03	18.710		
6,100.00	5,961.36	5,966.17	5,741.69	31.02	33.46	92.19	-1,245.68	1,053.68	1,160.69	1,098.84	61.85	18.767		
6,138.64	6,000.00	6,003.19	5,777.12	31.16	33.67	-172.56	-1,253.58	1,060.98	1,168.04	1,105.88	62.15	18.793		
6,200.00	6,061.36	6,061.91	5,833.30	31.38	34.02	-173.21	-1,266.10	1,072.56	1,179.82	1,117.19	62.63	18.838		
6,300.00	6,161.36	6,157.60	5,924.86	31.74	34.58	-174.24	-1,286.52	1,091.43	1,199.35	1,135.94	63.41	18.914		
6,400.00	6,261.36	6,253.28	6,016.42	32.10	35.14	-175.24	-1,306.93	1,110.30	1,219.26	1,155.07	64.19	18.995		
6,500.00	6,361.36	6,348.97	6,107.98	32.46	35.70	-176.20	-1,327.35	1,129.17	1,239.52	1,174.55	64.97	19.078		
6,562.02	6,423.38	6,408.31	6,164.76	32.68	36.05	-176.79	-1,340.01	1,140.88	1,252.27	1,186.81	65.45	19.132		
6,600.00	6,461.34	6,444.41	6,199.31	32.82	36.26	-86.17	-1,347.71	1,147.99	1,260.07	1,194.33	65.74	19.167		
6,650.00	6,511.08	6,508.96	6,243.92	32.99	36.64	-85.89	-1,357.66	1,157.19	1,270.24	1,204.05	66.19	19.190		
6,700.00	6,560.29	6,536.39	6,287.32	33.17	36.80	-85.75	-1,367.33	1,166.13	1,280.35	1,213.92	66.43	19.273		
6,750.00	6,608.64	6,580.18	6,329.22	33.36	37.06	-85.71	-1,376.67	1,174.77	1,290.50	1,223.75	66.75	19.333		
6,800.00	6,655.86	6,622.14	6,369.37	33.56	37.31	-85.74	-1,385.63	1,183.05	1,300.80	1,233.74	67.06	19.398		
6,850.00	6,701.64	6,663.46	6,409.01	33.78	37.54	-85.82	-1,394.47	1,190.61	1,311.34	1,243.97	67.37	19.466		
6,900.00	6,745.71	6,706.55	6,450.74	34.01	37.77	-85.94	-1,403.81	1,195.84	1,322.14	1,254.43	67.71	19.527		
6,950.00	6,787.79	6,751.59	6,494.62	34.27	37.98	-86.09	-1,413.65	1,198.20	1,333.14	1,265.06	68.08	19.582		
7,000.00	6,827.62	6,798.96	6,540.81	34.56	38.17	-86.28	-1,424.05	1,197.24	1,344.29	1,275.80	68.49	19.627		
7,050.00	6,864.96	6,849.12	6,589.50	34.87	38.35	-86.52	-1,435.05	1,192.40	1,355.53	1,286.59	68.95	19.661		
7,100.00	6,899.58	6,902.63	6,640.84	35.21	38.51	-86.83	-1,446.69	1,182.92	1,366.78	1,297.33	69.45	19.679		
7,150.00	6,931.26	6,960.16	6,694.95	35.60	38.66	-87.21	-1,459.00	1,167.83	1,377.94	1,307.92	70.02	19.680		
7,200.00	6,959.81	7,022.54	6,751.85	36.02	38.83	-87.67	-1,472.01	1,145.89	1,388.89	1,318.25	70.64	19.661		
7,250.00	6,985.06	7,090.73	6,811.32	36.47	39.00	-88.23	-1,485.67	1,115.50	1,399.49	1,328.16	71.33	19.620		
7,300.00	7,006.84	7,165.84	6,872.70	36.97	39.21	-88.88	-1,499.86	1,074.70	1,409.53	1,337.43	72.10	19.550		
7,350.00	7,025.02	7,249.01	6,934.67	37.51	39.47	-89.62	-1,514.30	1,021.22	1,418.81	1,345.83	72.98	19.442		
7,400.00	7,039.49	7,341.27	6,994.77	38.09	39.82	-90.41	-1,528.47	952.78	1,427.03	1,352.99	74.04	19.274		
7,450.00	7,050.17	7,443.23	7,049.17	38.70	40.30	-91.20	-1,541.52	867.68	1,433.87	1,358.50	75.37	19.024		
7,500.00	7,056.98	7,554.56	7,092.60	39.33	40.98	-91.90	-1,552.25	765.89	1,439.00	1,361.90	77.10	18.665		
7,550.00	7,059.89	7,673.56	7,119.14	39.99	41.92	-92.40	-1,559.31	650.27	1,442.08	1,362.80	79.28	18.190		
7,560.55	7,060.00	7,699.37	7,122.09	40.13	42.15	-92.47	-1,560.22	624.65	1,442.44	1,362.66	79.79	18.079		
7,600.00	7,060.09	7,774.63	7,125.04	40.67	42.87	-92.58	-1,561.59	549.50	1,442.94	1,361.50	81.44	17.719		
7,700.00	7,060.32	7,874.63	7,125.28	42.14	43.99	-92.58	-1,562.60	449.51	1,443.41	1,359.14	84.27	17.129		
7,800.00	7,060.55	7,974.63	7,125.52	43.75	45.27	-92.58	-1,563.60	349.51	1,443.89	1,356.52	87.37	16.526		
7,900.00	7,060.78	8,074.62	7,125.76	45.48	46.72	-92.58	-1,564.60	249.52	1,444.37	1,353.64	90.73	15.919		
8,000.00	7,061.01	8,174.62	7,126.00	47.33	48.31	-92.58	-1,565.60	149.53	1,444.85	1,350.53	94.31	15.320		
8,100.00	7,061.24	8,274.62	7,126.24	49.27	50.03	-92.58	-1,566.60	49.53	1,445.32	1,347.22	98.10	14.733		
8,200.00	7,061.47	8,374.62	7,126.48	51.29	51.87	-92.58	-1,567.60	-50.46	1,445.80	1,343.74	102.06	14.166		
8,300.00	7,061.70	8,474.62	7,126.72	53.40	53.80	-92.58	-1,568.60	-150.46	1,446.28	1,340.09	106.19	13.620		
8,400.00	7,061.93	8,574.62	7,126.96	55.57	55.83	-92.58	-1,569.61	-250.45	1,446.76	1,336.30	110.45	13.099		
8,500.00	7,062.16	8,674.62	7,127.20	57.80	57.93	-92.58	-1,570.61	-350.44	1,447.23	1,332.39	114.84	12.602		
8,600.00	7,062.39	8,774.62	7,127.44	60.08	60.10	-92.58	-1,571.61	-450.44	1,447.71	1,328.36	119.35	12.130		
8,700.00	7,062.63	8,874.62	7,127.68	62.42	62.33	-92.58	-1,572.61	-550.43	1,448.19	1,324.24	123.95	11.684		
8,800.00	7,062.86	8,974.61	7,127.92	64.79	64.61	-92.57	-1,573.61	-650.42	1,448.67	1,320.03	128.64	11.261		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,074.61	7,128.16	67.20	66.94	-92.57	-1,574.61	-750.42	1,449.14	1,315.73	133.41	10.862		
9,000.00	7,063.32	9,174.61	7,128.40	69.65	69.31	-92.57	-1,575.62	-850.41	1,449.62	1,311.37	138.25	10.485		
9,100.00	7,063.55	9,274.61	7,128.64	72.12	71.72	-92.57	-1,576.62	-950.40	1,450.10	1,306.94	143.16	10.129		
9,200.00	7,063.78	9,374.61	7,128.88	74.63	74.16	-92.57	-1,577.62	-1,050.40	1,450.58	1,302.45	148.12	9.793		
9,300.00	7,064.01	9,474.61	7,129.12	77.16	76.63	-92.57	-1,578.62	-1,150.39	1,451.05	1,297.92	153.14	9.475		
9,400.00	7,064.24	9,574.61	7,129.36	79.71	79.13	-92.57	-1,579.62	-1,250.38	1,451.53	1,293.33	158.20	9.175		
9,500.00	7,064.47	9,674.61	7,129.60	82.28	81.65	-92.57	-1,580.62	-1,350.38	1,452.01	1,288.70	163.31	8.891		
9,600.00	7,064.70	9,774.60	7,129.84	84.87	84.20	-92.57	-1,581.62	-1,450.37	1,452.49	1,284.03	168.45	8.623		
9,700.00	7,064.93	9,874.60	7,130.07	87.47	86.76	-92.57	-1,582.63	-1,550.37	1,452.96	1,279.33	173.63	8.368		
9,800.00	7,065.16	9,974.60	7,130.31	90.09	89.34	-92.57	-1,583.63	-1,650.36	1,453.44	1,274.60	178.84	8.127		
9,900.00	7,065.39	10,074.60	7,130.55	92.73	91.94	-92.57	-1,584.63	-1,750.35	1,453.92	1,269.83	184.09	7.898		
10,000.00	7,065.62	10,174.60	7,130.79	95.38	94.56	-92.57	-1,585.63	-1,850.35	1,454.40	1,265.04	189.36	7.681		
10,100.00	7,065.85	10,274.60	7,131.03	98.04	97.19	-92.57	-1,586.63	-1,950.34	1,454.87	1,260.22	194.65	7.474		
10,200.00	7,066.08	10,374.60	7,131.27	100.71	99.83	-92.57	-1,587.63	-2,050.33	1,455.35	1,255.38	199.97	7.278		
10,300.00	7,066.31	10,474.60	7,131.51	103.39	102.48	-92.57	-1,588.64	-2,150.33	1,455.83	1,250.52	205.30	7.091		
10,400.00	7,066.54	10,574.60	7,131.75	106.08	105.14	-92.57	-1,589.64	-2,250.32	1,456.31	1,245.64	210.66	6.913		
10,500.00	7,066.77	10,674.59	7,131.99	108.78	107.82	-92.57	-1,590.64	-2,350.31	1,456.78	1,240.74	216.04	6.743		
10,600.00	7,067.01	10,774.59	7,132.23	111.48	110.50	-92.57	-1,591.64	-2,450.31	1,457.26	1,235.83	221.43	6.581		
10,700.00	7,067.24	10,874.59	7,132.47	114.20	113.19	-92.57	-1,592.64	-2,550.30	1,457.74	1,230.90	226.84	6.426		
10,800.00	7,067.47	10,974.59	7,132.71	116.92	115.90	-92.57	-1,593.64	-2,650.29	1,458.22	1,225.95	232.26	6.278		
10,900.00	7,067.70	11,074.59	7,132.95	119.65	118.60	-92.56	-1,594.64	-2,750.29	1,458.69	1,220.99	237.70	6.137		
11,000.00	7,067.93	11,174.59	7,133.19	122.38	121.32	-92.56	-1,595.65	-2,850.28	1,459.17	1,216.02	243.15	6.001		
11,100.00	7,068.16	11,274.59	7,133.43	125.12	124.04	-92.56	-1,596.65	-2,950.27	1,459.65	1,211.04	248.61	5.871		
11,200.00	7,068.39	11,374.59	7,133.67	127.86	126.77	-92.56	-1,597.65	-3,050.27	1,460.13	1,206.05	254.08	5.747		
11,300.00	7,068.62	11,474.59	7,133.91	130.61	129.50	-92.56	-1,598.65	-3,150.26	1,460.60	1,201.04	259.56	5.627		
11,400.00	7,068.85	11,574.58	7,134.15	133.37	132.24	-92.56	-1,599.65	-3,250.26	1,461.08	1,196.03	265.05	5.512		
11,500.00	7,069.08	11,674.58	7,134.39	136.12	134.98	-92.56	-1,600.65	-3,350.25	1,461.56	1,191.00	270.55	5.402		
11,600.00	7,069.31	11,774.58	7,134.63	138.89	137.73	-92.56	-1,601.66	-3,450.24	1,462.04	1,185.97	276.06	5.296		
11,700.00	7,069.54	11,874.58	7,134.87	141.65	140.48	-92.56	-1,602.66	-3,550.24	1,462.51	1,180.93	281.58	5.194		
11,800.00	7,069.77	11,974.58	7,135.11	144.42	143.24	-92.56	-1,603.66	-3,650.23	1,462.99	1,175.89	287.10	5.096		
11,900.00	7,070.00	12,074.58	7,135.35	147.19	146.00	-92.56	-1,604.66	-3,750.22	1,463.47	1,170.83	292.64	5.001		
12,000.00	7,070.23	12,174.58	7,135.59	149.97	148.76	-92.56	-1,605.66	-3,850.22	1,463.95	1,165.77	298.18	4.910		
12,100.00	7,070.46	12,274.58	7,135.83	152.75	151.53	-92.56	-1,606.66	-3,950.21	1,464.42	1,160.70	303.72	4.822		
12,200.00	7,070.69	12,374.58	7,136.07	155.53	154.30	-92.56	-1,607.66	-4,050.20	1,464.90	1,155.63	309.27	4.737		
12,300.00	7,070.92	12,474.57	7,136.31	158.32	157.07	-92.56	-1,608.67	-4,150.20	1,465.38	1,150.55	314.83	4.655		
12,400.00	7,071.16	12,574.57	7,136.55	161.10	159.85	-92.56	-1,609.67	-4,250.19	1,465.86	1,145.46	320.39	4.575		
12,500.00	7,071.39	12,674.57	7,136.79	163.89	162.63	-92.56	-1,610.67	-4,350.18	1,466.33	1,140.37	325.96	4.499		
12,600.00	7,071.62	12,774.57	7,137.03	166.69	165.41	-92.56	-1,611.67	-4,450.18	1,466.81	1,135.28	331.53	4.424		
12,700.00	7,071.85	12,874.57	7,137.27	169.48	168.19	-92.56	-1,612.67	-4,550.17	1,467.29	1,130.18	337.11	4.353		
12,800.00	7,072.08	12,974.57	7,137.51	172.28	170.98	-92.56	-1,613.67	-4,650.17	1,467.76	1,125.08	342.69	4.283		
12,900.00	7,072.31	13,074.57	7,137.75	175.08	173.77	-92.56	-1,614.68	-4,750.16	1,468.24	1,119.97	348.27	4.216		
13,000.00	7,072.54	13,174.57	7,137.99	177.88	176.56	-92.55	-1,615.68	-4,850.15	1,468.72	1,114.86	353.86	4.151		
13,100.00	7,072.77	13,274.57	7,138.23	180.68	179.36	-92.55	-1,616.68	-4,950.15	1,469.20	1,109.74	359.46	4.087		
13,200.00	7,073.00	13,374.56	7,138.47	183.48	182.15	-92.55	-1,617.68	-5,050.14	1,469.67	1,104.62	365.05	4.026		
13,300.00	7,073.23	13,474.56	7,138.71	186.29	184.95	-92.55	-1,618.68	-5,150.13	1,470.15	1,099.50	370.66	3.966		
13,400.00	7,073.46	13,574.56	7,138.95	189.09	187.75	-92.55	-1,619.68	-5,250.13	1,470.63	1,094.37	376.26	3.909		
13,500.00	7,073.69	13,674.56	7,139.19	191.90	190.55	-92.55	-1,620.69	-5,350.12	1,471.11	1,089.24	381.87	3.852		
13,600.00	7,073.92	13,774.56	7,139.43	194.71	193.35	-92.55	-1,621.69	-5,450.11	1,471.58	1,084.11	387.48	3.798		
13,700.00	7,074.15	13,874.56	7,139.67	197.52	196.16	-92.55	-1,622.69	-5,550.11	1,472.06	1,078.97	393.09	3.745		
13,800.00	7,074.38	13,974.56	7,139.91	200.34	198.96	-92.55	-1,623.69	-5,650.10	1,472.54	1,073.83	398.71	3.693		
13,900.00	7,074.61	14,074.56	7,140.15	203.15	201.77	-92.55	-1,624.69	-5,750.09	1,473.02	1,068.69	404.32	3.643		
14,000.00	7,074.84	14,174.55	7,140.39	205.97	204.58	-92.55	-1,625.69	-5,850.09	1,473.49	1,063.55	409.94	3.594		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	14,274.55	7,140.63	208.78	207.39	-92.55	-1,626.69	-5,950.08	1,473.97	1,058.40	415.57	3.547		
14,200.00	7,075.30	14,374.55	7,140.87	211.60	210.20	-92.55	-1,627.70	-6,050.08	1,474.45	1,053.26	421.19	3.501		
14,300.00	7,075.54	14,474.55	7,141.10	214.42	213.01	-92.55	-1,628.70	-6,150.07	1,474.93	1,048.11	426.82	3.456		
14,400.00	7,075.77	14,574.55	7,141.34	217.24	215.82	-92.55	-1,629.70	-6,250.06	1,475.40	1,042.95	432.45	3.412		
14,500.00	7,076.00	14,674.55	7,141.58	220.06	218.64	-92.55	-1,630.70	-6,350.06	1,475.88	1,037.80	438.08	3.369		
14,600.00	7,076.23	14,774.55	7,141.82	222.88	221.45	-92.55	-1,631.70	-6,450.05	1,476.36	1,032.64	443.72	3.327		
14,700.00	7,076.46	14,874.55	7,142.06	225.70	224.27	-92.55	-1,632.70	-6,550.04	1,476.84	1,027.48	449.36	3.287		
14,800.00	7,076.69	14,974.55	7,142.30	228.53	227.09	-92.55	-1,633.71	-6,650.04	1,477.31	1,022.32	454.99	3.247		
14,900.00	7,076.92	15,074.54	7,142.54	231.35	229.91	-92.55	-1,634.71	-6,750.03	1,477.79	1,017.16	460.63	3.208		
15,000.00	7,077.15	15,174.54	7,142.78	234.18	232.73	-92.55	-1,635.71	-6,850.02	1,478.27	1,011.99	466.28	3.170		
15,100.00	7,077.38	15,274.54	7,143.02	237.00	235.55	-92.54	-1,636.71	-6,950.02	1,478.75	1,006.83	471.92	3.133		
15,200.00	7,077.61	15,374.54	7,143.26	239.83	238.37	-92.54	-1,637.71	-7,050.01	1,479.22	1,001.66	477.56	3.097		
15,300.00	7,077.84	15,474.54	7,143.50	242.66	241.19	-92.54	-1,638.71	-7,150.00	1,479.70	996.49	483.21	3.062		
15,400.00	7,078.07	15,574.54	7,143.74	245.49	244.01	-92.54	-1,639.71	-7,250.00	1,480.18	991.32	488.86	3.028		
15,500.00	7,078.30	15,674.54	7,143.98	248.31	246.84	-92.54	-1,640.72	-7,349.99	1,480.66	986.15	494.51	2.994		
15,600.00	7,078.53	15,774.54	7,144.22	251.14	249.66	-92.54	-1,641.72	-7,449.98	1,481.13	980.98	500.16	2.961		
15,700.00	7,078.76	15,874.54	7,144.46	253.97	252.49	-92.54	-1,642.72	-7,549.98	1,481.61	975.80	505.81	2.929		
15,800.00	7,078.99	15,974.53	7,144.70	256.80	255.31	-92.54	-1,643.72	-7,649.97	1,482.09	970.63	511.46	2.898		
15,900.00	7,079.22	16,074.53	7,144.94	259.64	258.14	-92.54	-1,644.72	-7,749.97	1,482.57	965.45	517.12	2.867		
16,000.00	7,079.45	16,174.53	7,145.18	262.47	260.97	-92.54	-1,645.72	-7,849.96	1,483.04	960.27	522.77	2.837		
16,100.00	7,079.69	16,274.53	7,145.42	265.30	263.80	-92.54	-1,646.73	-7,949.95	1,483.52	955.09	528.43	2.807		
16,200.00	7,079.92	16,374.53	7,145.66	268.13	266.63	-92.54	-1,647.73	-8,049.95	1,484.00	949.91	534.09	2.779		
16,300.00	7,080.15	16,474.53	7,145.90	270.97	269.45	-92.54	-1,648.73	-8,149.94	1,484.48	944.73	539.75	2.750		
16,400.00	7,080.38	16,574.53	7,146.14	273.80	272.28	-92.54	-1,649.73	-8,249.93	1,484.95	939.54	545.41	2.723		
16,500.00	7,080.61	16,674.53	7,146.38	276.64	275.11	-92.54	-1,650.73	-8,349.93	1,485.43	934.36	551.07	2.696		
16,600.00	7,080.84	16,774.53	7,146.62	279.47	277.95	-92.54	-1,651.73	-8,449.92	1,485.91	929.18	556.73	2.669		
16,700.00	7,081.07	16,874.52	7,146.86	282.31	280.78	-92.54	-1,652.73	-8,549.91	1,486.39	923.99	562.40	2.643		
16,800.00	7,081.30	16,974.52	7,147.10	285.14	283.61	-92.54	-1,653.74	-8,649.91	1,486.86	918.80	568.06	2.617		
16,900.00	7,081.53	17,074.52	7,147.34	287.98	286.44	-92.54	-1,654.74	-8,749.90	1,487.34	913.61	573.73	2.592		
17,000.00	7,081.76	17,174.52	7,147.58	290.82	289.27	-92.54	-1,655.74	-8,849.89	1,487.82	908.43	579.39	2.568		
17,100.00	7,081.99	17,274.52	7,147.82	293.65	292.11	-92.54	-1,656.74	-8,949.89	1,488.30	903.24	585.06	2.544		
17,200.00	7,082.22	17,374.52	7,148.06	296.49	294.94	-92.54	-1,657.74	-9,049.88	1,488.77	898.04	590.73	2.520		
17,300.00	7,082.45	17,474.52	7,148.30	299.33	297.78	-92.53	-1,658.74	-9,149.88	1,489.25	892.85	596.40	2.497		
17,400.00	7,082.68	17,574.52	7,148.54	302.17	300.61	-92.53	-1,659.75	-9,249.87	1,489.73	887.66	602.07	2.474		
17,500.00	7,082.91	17,674.52	7,148.78	305.01	303.45	-92.53	-1,660.75	-9,349.86	1,490.21	882.47	607.74	2.452		
17,600.00	7,083.14	17,774.51	7,149.02	307.85	306.28	-92.53	-1,661.75	-9,449.86	1,490.68	877.27	613.41	2.430		
17,700.00	7,083.37	17,874.51	7,149.26	310.69	309.12	-92.53	-1,662.75	-9,549.85	1,491.16	872.08	619.08	2.409		
17,800.00	7,083.60	17,974.51	7,149.50	313.53	311.95	-92.53	-1,663.75	-9,649.84	1,491.64	866.88	624.76	2.388		
17,900.00	7,083.84	18,074.51	7,149.74	316.37	314.79	-92.53	-1,664.75	-9,749.84	1,492.12	861.69	630.43	2.367		
18,000.00	7,084.07	18,174.51	7,149.98	319.21	317.63	-92.53	-1,665.75	-9,849.83	1,492.59	856.49	636.10	2.346		
18,100.00	7,084.30	18,274.51	7,150.22	322.05	320.46	-92.53	-1,666.76	-9,949.82	1,493.07	851.30	641.78	2.326		
18,200.00	7,084.53	18,374.51	7,150.46	324.89	323.30	-92.53	-1,667.76	-10,049.82	1,493.55	846.10	647.45	2.307		
18,300.00	7,084.76	18,474.51	7,150.70	327.73	326.14	-92.53	-1,668.76	-10,149.81	1,494.03	840.90	653.13	2.287		
18,400.00	7,084.99	18,574.50	7,150.94	330.57	328.98	-92.53	-1,669.76	-10,249.80	1,494.50	835.70	658.81	2.269		
18,500.00	7,085.22	18,674.50	7,151.18	333.41	331.82	-92.53	-1,670.76	-10,349.80	1,494.98	830.50	664.48	2.250		
18,600.00	7,085.45	18,774.50	7,151.42	336.26	334.66	-92.53	-1,671.76	-10,449.79	1,495.46	825.30	670.16	2.231		
18,700.00	7,085.68	18,874.50	7,151.66	339.10	337.50	-92.53	-1,672.77	-10,549.79	1,495.94	820.10	675.84	2.213		
18,800.00	7,085.91	18,974.50	7,151.90	341.94	340.33	-92.53	-1,673.77	-10,649.78	1,496.41	814.90	681.52	2.196		
18,839.14	7,086.00	19,013.64	7,151.99	343.06	341.45	-92.53	-1,674.16	-10,688.92	1,496.60	812.86	683.74	2.189 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-149.73	-1.39	149.73					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-149.73	-1.39	149.73	143.16	6.57	22.792		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-149.73	-1.39	149.73	143.06	6.67	22.435		
300.00	300.00	300.00	300.00	3.44	3.44	-179.47	-149.73	-1.39	149.73	142.84	6.89	21.732 CC, ES		
400.00	399.98	395.70	395.68	3.60	3.59	85.32	-151.10	-0.58	151.01	143.82	7.19	20.989		
500.00	499.84	491.26	491.12	3.80	3.77	86.16	-155.22	1.86	154.88	147.29	7.59	20.416		
600.00	599.45	586.56	586.08	4.04	3.99	87.47	-162.05	5.90	161.39	153.34	8.06	20.028		
700.00	698.70	681.46	680.34	4.31	4.24	89.12	-171.55	11.52	170.65	162.05	8.60	19.846		
800.00	797.47	775.85	773.67	4.62	4.52	90.97	-183.66	18.68	182.73	173.53	9.20	19.870		
900.00	895.62	869.61	865.86	4.97	4.83	92.88	-198.31	27.34	197.70	187.86	9.84	20.083		
980.89	974.49	944.89	939.46	5.27	5.10	94.41	-211.94	35.40	211.97	201.57	10.40	20.382		
1,000.00	993.07	962.61	956.72	5.34	5.17	94.82	-215.39	37.44	215.62	205.08	10.54	20.465		
1,100.00	1,090.26	1,054.97	1,046.26	5.75	5.53	96.45	-234.86	48.96	236.22	224.95	11.27	20.955		
1,200.00	1,187.45	1,146.60	1,134.33	6.17	5.93	97.34	-256.62	61.82	259.19	247.15	12.04	21.530		
1,300.00	1,284.64	1,237.33	1,220.69	6.62	6.34	97.66	-280.54	75.97	284.37	271.54	12.83	22.166		
1,400.00	1,381.83	1,327.00	1,305.14	7.07	6.79	97.53	-306.48	91.32	311.68	298.04	13.64	22.855		
1,500.00	1,479.01	1,415.44	1,387.47	7.54	7.25	97.08	-334.29	107.76	341.09	326.63	14.46	23.592		
1,600.00	1,576.20	1,504.64	1,469.49	8.02	7.75	96.39	-364.45	125.60	372.53	357.23	15.30	24.342		
1,700.00	1,673.39	1,600.75	1,556.19	8.50	8.31	95.69	-397.05	144.88	404.59	388.35	16.23	24.923		
1,800.00	1,770.58	1,693.87	1,642.90	8.99	8.88	95.10	-429.66	164.16	436.69	419.52	17.17	25.437		
1,900.00	1,867.77	1,788.48	1,729.60	9.48	9.46	94.58	-462.26	183.44	468.83	450.71	18.13	25.866		
2,000.00	1,964.96	1,883.10	1,816.30	9.98	10.06	94.13	-494.86	202.72	501.00	481.90	19.10	26.235		
2,100.00	2,062.15	1,977.71	1,903.00	10.49	10.66	93.74	-527.47	222.00	533.20	513.12	20.08	26.554		
2,200.00	2,159.34	2,072.33	1,989.71	10.99	11.28	93.39	-560.07	241.29	565.41	544.34	21.07	26.830		
2,300.00	2,256.53	2,166.94	2,076.41	11.50	11.90	93.07	-592.67	260.57	597.64	575.57	22.08	27.072		
2,400.00	2,353.71	2,261.56	2,163.11	12.01	12.52	92.79	-625.28	279.85	629.89	606.80	23.09	27.285		
2,500.00	2,450.90	2,356.18	2,249.82	12.53	13.15	92.54	-657.88	299.13	662.14	638.04	24.10	27.473		
2,600.00	2,548.09	2,450.79	2,336.52	13.04	13.78	92.31	-690.48	318.41	694.41	669.29	25.12	27.639		
2,700.00	2,645.28	2,545.41	2,423.22	13.56	14.42	92.10	-723.08	337.69	726.69	700.54	26.15	27.787		
2,800.00	2,742.47	2,640.02	2,509.93	14.08	15.06	91.91	-755.69	356.97	758.98	731.79	27.18	27.920		
2,900.00	2,839.66	2,734.64	2,596.63	14.60	15.70	91.73	-788.29	376.26	791.27	763.05	28.22	28.039		
3,000.00	2,936.85	2,829.25	2,683.33	15.12	16.35	91.57	-820.89	395.54	823.57	794.31	29.26	28.147		
3,100.00	3,034.04	2,923.87	2,770.03	15.65	16.99	91.42	-853.50	414.82	855.87	825.57	30.30	28.244		
3,200.00	3,131.22	3,018.49	2,856.74	16.17	17.64	91.28	-886.10	434.10	888.18	856.83	31.35	28.332		
3,300.00	3,228.41	3,113.10	2,943.44	16.69	18.29	91.15	-918.70	453.38	920.49	888.10	32.40	28.412		
3,400.00	3,325.60	3,207.72	3,030.14	17.22	18.94	91.03	-951.30	472.66	952.81	919.36	33.45	28.486		
3,500.00	3,422.79	3,302.33	3,116.85	17.75	19.60	90.92	-983.91	491.94	985.13	950.63	34.50	28.553		
3,600.00	3,519.98	3,403.05	3,203.55	18.27	20.29	90.81	-1,016.51	511.22	1,017.46	981.86	35.59	28.585		
3,700.00	3,617.17	3,491.56	3,290.25	18.80	20.91	90.71	-1,049.11	530.51	1,049.78	1,013.17	36.61	28.671		
3,800.00	3,714.36	3,586.18	3,376.95	19.33	21.56	90.62	-1,081.72	549.79	1,082.11	1,044.44	37.67	28.723		
3,900.00	3,811.55	3,680.79	3,463.66	19.86	22.22	90.53	-1,114.32	569.07	1,114.44	1,075.71	38.73	28.772		
4,000.00	3,908.74	3,775.41	3,550.36	20.39	22.88	90.45	-1,146.92	588.35	1,146.78	1,106.98	39.80	28.817		
4,100.00	4,005.92	3,870.03	3,637.06	20.92	23.54	90.37	-1,179.53	607.63	1,179.11	1,138.26	40.86	28.858		
4,200.00	4,103.11	3,964.64	3,723.77	21.45	24.20	90.30	-1,212.13	626.91	1,211.45	1,169.53	41.92	28.897		
4,300.00	4,200.30	4,059.26	3,810.47	21.98	24.86	90.23	-1,244.73	646.19	1,243.79	1,200.80	42.99	28.933		
4,400.00	4,297.49	4,153.87	3,897.17	22.51	25.52	90.16	-1,277.33	665.48	1,276.13	1,232.08	44.06	28.967		
4,500.00	4,394.68	4,248.49	3,983.87	23.04	26.18	90.10	-1,309.94	684.76	1,308.48	1,263.35	45.12	28.998		
4,600.00	4,491.87	4,343.10	4,070.58	23.57	26.84	90.04	-1,342.54	704.04	1,340.82	1,294.63	46.19	29.028		
4,700.00	4,589.06	4,437.72	4,157.28	24.10	27.51	89.98	-1,375.14	723.32	1,373.17	1,325.91	47.26	29.055		
4,800.00	4,686.25	4,532.34	4,243.98	24.64	28.17	89.93	-1,407.75	742.60	1,405.51	1,357.18	48.33	29.081		
4,900.00	4,783.43	4,626.95	4,330.69	25.17	28.83	89.87	-1,440.35	761.88	1,437.86	1,388.46	49.40	29.106		
5,000.00	4,880.62	4,721.57	4,417.39	25.70	29.50	89.82	-1,472.95	781.16	1,470.21	1,419.74	50.47	29.129		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,816.18	4,504.09	26.23	30.16	89.78	-1,505.56	800.44	1,502.56	1,451.01	51.55	29.150		
5,200.00	5,075.00	4,910.80	4,590.79	26.77	30.83	89.73	-1,538.16	819.73	1,534.91	1,482.29	52.62	29.171		
5,300.00	5,172.19	5,005.41	4,677.50	27.30	31.49	89.69	-1,570.76	839.01	1,567.26	1,513.57	53.69	29.190		
5,400.00	5,269.38	5,100.03	4,764.20	27.83	32.16	89.64	-1,603.36	858.29	1,599.61	1,544.85	54.77	29.208		
5,457.75	5,325.51	5,154.67	4,814.27	28.14	32.54	89.62	-1,622.19	869.42	1,618.30	1,562.91	55.39	29.218		
5,500.00	5,366.64	5,205.36	4,850.90	28.37	32.90	89.88	-1,635.97	877.57	1,631.97	1,576.07	55.90	29.194		
5,600.00	5,464.53	5,289.16	4,937.51	28.87	33.49	90.41	-1,668.53	896.83	1,664.33	1,607.46	56.87	29.264		
5,700.00	5,563.07	5,383.46	5,023.93	29.35	34.15	90.82	-1,701.03	916.05	1,696.69	1,638.83	57.87	29.321		
5,800.00	5,662.15	5,477.45	5,110.05	29.80	34.81	91.12	-1,733.42	935.20	1,729.06	1,670.24	58.82	29.396		
5,900.00	5,761.64	5,570.99	5,195.77	30.23	35.47	91.32	-1,765.65	954.26	1,761.45	1,701.72	59.73	29.489		
6,000.00	5,861.42	5,663.97	5,280.98	30.64	36.13	91.43	-1,797.69	973.21	1,793.91	1,733.31	60.60	29.600		
6,100.00	5,961.36	5,756.29	5,365.58	31.02	36.78	91.45	-1,829.50	992.03	1,826.49	1,765.05	61.44	29.728		
6,138.64	6,000.00	5,791.76	5,398.08	31.16	37.03	-173.05	-1,841.72	999.25	1,839.12	1,777.37	61.75	29.783		
6,200.00	6,061.36	5,847.99	5,449.61	31.38	37.42	-173.50	-1,861.10	1,010.71	1,859.25	1,797.02	62.24	29.874		
6,300.00	6,161.36	5,939.62	5,533.58	31.74	38.07	-174.21	-1,892.68	1,029.39	1,892.30	1,829.26	63.03	30.021		
6,400.00	6,261.36	6,031.26	5,617.55	32.10	38.72	-174.90	-1,924.25	1,048.06	1,925.60	1,861.77	63.83	30.168		
6,500.00	6,361.36	6,122.90	5,701.53	32.46	39.36	-175.56	-1,955.83	1,066.74	1,959.16	1,894.53	64.63	30.314		
6,562.02	6,423.38	6,179.73	5,753.60	32.68	39.76	-175.96	-1,975.41	1,078.32	1,980.09	1,914.97	65.13	30.404		
6,600.00	6,461.34	6,214.29	5,785.27	32.82	40.01	-84.72	-1,987.32	1,085.36	1,992.87	1,927.45	65.42	30.462		
6,650.00	6,511.08	6,258.87	5,826.13	32.99	40.32	-83.58	-2,002.68	1,094.44	2,009.48	1,943.69	65.79	30.545		
6,700.00	6,560.29	6,302.18	5,865.81	33.17	40.63	-82.56	-2,017.60	1,103.27	2,025.82	1,959.68	66.14	30.630		
6,750.00	6,608.64	6,343.93	5,904.08	33.36	40.92	-81.63	-2,031.99	1,111.78	2,041.88	1,975.41	66.47	30.717		
6,800.00	6,655.86	6,383.89	5,940.69	33.56	41.20	-80.78	-2,045.76	1,119.92	2,057.69	1,990.89	66.80	30.804		
6,850.00	6,701.64	6,421.79	5,975.42	33.78	41.47	-79.99	-2,058.82	1,127.64	2,073.26	2,006.14	67.12	30.891		
6,900.00	6,745.71	6,457.40	6,008.06	34.01	41.72	-79.25	-2,071.09	1,134.90	2,088.62	2,021.19	67.42	30.977		
6,950.00	6,787.79	6,509.49	6,038.40	34.27	42.09	-78.52	-2,082.50	1,141.65	2,103.79	2,035.95	67.84	31.011		
7,000.00	6,827.62	6,520.91	6,066.26	34.56	42.17	-77.80	-2,092.98	1,147.85	2,118.83	2,050.79	68.03	31.144		
7,050.00	6,864.96	6,548.42	6,091.46	34.87	42.37	-77.06	-2,102.46	1,153.45	2,133.74	2,065.41	68.34	31.223		
7,100.00	6,899.58	6,572.86	6,113.86	35.21	42.54	-76.29	-2,110.88	1,158.43	2,148.57	2,079.92	68.65	31.298		
7,150.00	6,931.26	6,605.92	6,133.31	35.60	42.77	-75.47	-2,118.19	1,162.76	2,163.33	2,094.30	69.04	31.336		
7,200.00	6,959.81	6,611.96	6,149.69	36.02	42.81	-74.59	-2,124.35	1,166.40	2,178.03	2,108.73	69.30	31.431		
7,250.00	6,985.06	6,626.38	6,162.90	36.47	42.92	-73.64	-2,129.32	1,169.34	2,192.65	2,123.01	69.64	31.487		
7,300.00	7,006.84	6,637.25	6,172.86	36.97	42.99	-72.62	-2,133.06	1,171.55	2,207.18	2,137.20	69.99	31.537		
7,350.00	7,025.02	6,644.51	6,179.51	37.51	43.04	-71.53	-2,135.57	1,173.03	2,221.60	2,151.25	70.35	31.579		
7,400.00	7,039.49	6,648.11	6,182.81	38.09	43.07	-70.36	-2,136.81	1,173.77	2,235.83	2,165.11	70.72	31.615		
7,450.00	7,050.17	6,648.03	6,182.74	38.70	43.07	-69.13	-2,136.78	1,173.75	2,249.83	2,178.73	71.10	31.644		
7,500.00	7,056.98	6,644.27	6,179.29	39.33	43.04	-67.84	-2,135.48	1,172.98	2,263.51	2,192.03	71.47	31.669		
7,550.00	7,059.89	6,636.85	6,172.50	39.99	42.99	-66.51	-2,132.93	1,171.47	2,276.77	2,204.92	71.85	31.689		
7,560.55	7,060.00	6,634.82	6,170.64	40.13	42.98	-66.22	-2,132.23	1,171.06	2,279.50	2,207.58	71.92	31.693		
7,600.00	7,060.09	6,626.94	6,163.41	40.67	42.92	-66.02	-2,129.51	1,169.45	2,289.98	2,217.76	72.22	31.707		
7,700.00	7,060.32	7,981.00	6,960.35	42.14	48.69	-87.51	-2,424.54	425.22	2,306.01	2,218.79	87.22	26.439		
7,800.00	7,060.55	8,081.00	6,960.61	43.75	49.67	-87.51	-2,424.13	325.23	2,305.08	2,214.74	90.34	25.515		
7,900.00	7,060.78	8,180.99	6,960.86	45.48	50.82	-87.51	-2,423.72	225.23	2,304.14	2,210.44	93.71	24.589		
8,000.00	7,061.01	8,280.99	6,961.11	47.33	52.15	-87.51	-2,423.31	125.24	2,303.21	2,205.92	97.29	23.673		
8,100.00	7,061.24	8,380.98	6,961.36	49.27	53.63	-87.51	-2,422.90	25.24	2,302.28	2,201.20	101.07	22.778		
8,200.00	7,061.47	8,480.98	6,961.61	51.29	55.27	-87.51	-2,422.49	-74.75	2,301.34	2,196.31	105.03	21.911		
8,300.00	7,061.70	8,580.98	6,961.86	53.40	57.03	-87.51	-2,422.09	-174.75	2,300.41	2,191.27	109.14	21.077		
8,400.00	7,061.93	8,680.97	6,962.12	55.57	58.90	-87.51	-2,421.68	-274.74	2,299.48	2,186.08	113.39	20.279		
8,500.00	7,062.16	8,780.97	6,962.37	57.80	60.88	-87.51	-2,421.27	-374.73	2,298.54	2,180.78	117.77	19.518		
8,600.00	7,062.39	8,880.96	6,962.62	60.08	62.94	-87.51	-2,420.86	-474.73	2,297.61	2,175.36	122.25	18.794		
8,700.00	7,062.63	8,980.96	6,962.87	62.42	65.07	-87.51	-2,420.45	-574.72	2,296.68	2,169.84	126.83	18.108		
8,800.00	7,062.86	9,080.95	6,963.12	64.79	67.27	-87.51	-2,420.04	-674.72	2,295.74	2,164.24	131.51	17.457		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	9,180.95	6,963.38	67.20	69.53	-87.51	-2,419.63	-774.71	2,294.81	2,158.55	136.26	16.842		
9,000.00	7,063.32	9,280.94	6,963.63	69.65	71.84	-87.51	-2,419.22	-874.71	2,293.87	2,152.79	141.08	16.259		
9,100.00	7,063.55	9,380.94	6,963.88	72.12	74.19	-87.51	-2,418.81	-974.70	2,292.94	2,146.97	145.97	15.709		
9,200.00	7,063.78	9,480.94	6,964.13	74.63	76.58	-87.51	-2,418.40	-1,074.70	2,292.01	2,141.10	150.91	15.188		
9,300.00	7,064.01	9,580.93	6,964.38	77.16	79.01	-87.51	-2,417.99	-1,174.69	2,291.07	2,135.16	155.91	14.695		
9,400.00	7,064.24	9,680.93	6,964.64	79.71	81.47	-87.51	-2,417.58	-1,274.69	2,290.14	2,129.19	160.95	14.228		
9,500.00	7,064.47	9,780.92	6,964.89	82.28	83.96	-87.51	-2,417.17	-1,374.68	2,289.21	2,123.16	166.04	13.787		
9,600.00	7,064.70	9,880.92	6,965.14	84.87	86.47	-87.50	-2,416.76	-1,474.67	2,288.27	2,117.10	171.17	13.368		
9,700.00	7,064.93	9,980.91	6,965.39	87.47	89.00	-87.50	-2,416.35	-1,574.67	2,287.34	2,111.00	176.34	12.972		
9,800.00	7,065.16	10,080.91	6,965.64	90.09	91.56	-87.50	-2,415.94	-1,674.66	2,286.41	2,104.87	181.53	12.595		
9,900.00	7,065.39	10,180.91	6,965.89	92.73	94.13	-87.50	-2,415.53	-1,774.66	2,285.47	2,098.71	186.76	12.238		
10,000.00	7,065.62	10,280.90	6,966.15	95.38	96.72	-87.50	-2,415.12	-1,874.65	2,284.54	2,092.53	192.01	11.898		
10,100.00	7,065.85	10,380.90	6,966.40	98.04	99.33	-87.50	-2,414.71	-1,974.65	2,283.61	2,086.31	197.29	11.575		
10,200.00	7,066.08	10,480.89	6,966.65	100.71	101.95	-87.50	-2,414.30	-2,074.64	2,282.67	2,080.07	202.60	11.267		
10,300.00	7,066.31	10,580.89	6,966.90	103.39	104.59	-87.50	-2,413.89	-2,174.64	2,281.74	2,073.81	207.92	10.974		
10,400.00	7,066.54	10,680.88	6,967.15	106.08	107.24	-87.50	-2,413.48	-2,274.63	2,280.80	2,067.54	213.27	10.695		
10,500.00	7,066.77	10,780.88	6,967.41	108.78	109.90	-87.50	-2,413.08	-2,374.62	2,279.87	2,061.24	218.63	10.428		
10,600.00	7,067.01	10,880.87	6,967.66	111.48	112.57	-87.50	-2,412.67	-2,474.62	2,278.94	2,054.92	224.01	10.173		
10,700.00	7,067.24	10,980.87	6,967.91	114.20	115.25	-87.50	-2,412.26	-2,574.61	2,278.00	2,048.59	229.41	9.930		
10,800.00	7,067.47	11,080.87	6,968.16	116.92	117.93	-87.50	-2,411.85	-2,674.61	2,277.07	2,042.25	234.82	9.697		
10,900.00	7,067.70	11,180.86	6,968.41	119.65	120.63	-87.50	-2,411.44	-2,774.60	2,276.14	2,035.89	240.25	9.474		
11,000.00	7,067.93	11,280.86	6,968.66	122.38	123.33	-87.50	-2,411.03	-2,874.60	2,275.20	2,029.51	245.69	9.260		
11,100.00	7,068.16	11,380.85	6,968.92	125.12	126.04	-87.50	-2,410.62	-2,974.59	2,274.27	2,023.13	251.14	9.056		
11,200.00	7,068.39	11,480.85	6,969.17	127.86	128.76	-87.50	-2,410.21	-3,074.59	2,273.34	2,016.73	256.61	8.859		
11,300.00	7,068.62	11,580.84	6,969.42	130.61	131.49	-87.50	-2,409.80	-3,174.58	2,272.40	2,010.32	262.08	8.671		
11,400.00	7,068.85	11,680.84	6,969.67	133.37	134.22	-87.50	-2,409.39	-3,274.57	2,271.47	2,003.91	267.56	8.489		
11,500.00	7,069.08	11,780.84	6,969.92	136.12	136.95	-87.50	-2,408.98	-3,374.57	2,270.53	1,997.48	273.06	8.315		
11,600.00	7,069.31	11,880.83	6,970.18	138.89	139.69	-87.50	-2,408.57	-3,474.56	2,269.60	1,991.04	278.56	8.148		
11,700.00	7,069.54	11,980.83	6,970.43	141.65	142.44	-87.49	-2,408.16	-3,574.56	2,268.67	1,984.60	284.07	7.986		
11,800.00	7,069.77	12,080.82	6,970.68	144.42	145.19	-87.49	-2,407.75	-3,674.55	2,267.73	1,978.15	289.59	7.831		
11,900.00	7,070.00	12,180.82	6,970.93	147.19	147.95	-87.49	-2,407.34	-3,774.55	2,266.80	1,971.69	295.11	7.681		
12,000.00	7,070.23	12,280.81	6,971.18	149.97	150.70	-87.49	-2,406.93	-3,874.54	2,265.87	1,965.22	300.65	7.537		
12,100.00	7,070.46	12,380.81	6,971.44	152.75	153.47	-87.49	-2,406.52	-3,974.54	2,264.93	1,958.75	306.18	7.397		
12,200.00	7,070.69	12,480.81	6,971.69	155.53	156.23	-87.49	-2,406.11	-4,074.53	2,264.00	1,952.27	311.73	7.263		
12,300.00	7,070.92	12,580.80	6,971.94	158.32	159.00	-87.49	-2,405.70	-4,174.53	2,263.07	1,945.78	317.28	7.133		
12,400.00	7,071.16	12,680.80	6,972.19	161.10	161.78	-87.49	-2,405.29	-4,274.52	2,262.13	1,939.29	322.84	7.007		
12,500.00	7,071.39	12,780.79	6,972.44	163.89	164.55	-87.49	-2,404.88	-4,374.51	2,261.20	1,932.80	328.40	6.885		
12,600.00	7,071.62	12,880.79	6,972.69	166.69	167.33	-87.49	-2,404.48	-4,474.51	2,260.27	1,926.30	333.97	6.768		
12,700.00	7,071.85	12,980.78	6,972.95	169.48	170.11	-87.49	-2,404.07	-4,574.50	2,259.33	1,919.79	339.54	6.654		
12,742.32	7,071.94	13,002.01	6,973.00	170.66	170.70	-87.49	-2,403.98	-4,595.73	2,259.04	1,917.78	341.25	6.620		
12,800.00	7,072.08	13,002.01	6,973.00	172.28	170.70	-87.49	-2,403.98	-4,595.73	2,259.77	1,917.22	342.55	6.597		
12,900.00	7,072.31	13,002.01	6,973.00	175.08	170.70	-87.49	-2,403.98	-4,595.73	2,264.53	1,920.23	344.30	6.577 SF		
13,000.00	7,072.54	13,002.01	6,973.00	177.88	170.70	-87.49	-2,403.98	-4,595.73	2,273.68	1,928.28	345.40	6.583		
13,100.00	7,072.77	13,002.01	6,973.00	180.68	170.70	-87.49	-2,403.98	-4,595.73	2,287.18	1,941.30	345.88	6.613		
13,200.00	7,073.00	13,002.01	6,973.00	183.48	170.70	-87.49	-2,403.98	-4,595.73	2,304.93	1,959.19	345.74	6.667		
13,300.00	7,073.23	13,002.01	6,973.00	186.29	170.70	-87.49	-2,403.98	-4,595.73	2,326.85	1,981.83	345.02	6.744		
13,400.00	7,073.46	13,002.01	6,973.00	189.09	170.70	-87.49	-2,403.98	-4,595.73	2,352.82	2,009.07	343.75	6.845		
13,500.00	7,073.69	13,002.01	6,973.00	191.90	170.70	-87.49	-2,403.98	-4,595.73	2,382.71	2,040.73	341.98	6.967		
13,600.00	7,073.92	13,002.01	6,973.00	194.71	170.70	-87.49	-2,403.98	-4,595.73	2,416.37	2,076.62	339.75	7.112		
13,700.00	7,074.15	13,002.01	6,973.00	197.52	170.70	-87.49	-2,403.98	-4,595.73	2,453.65	2,116.53	337.12	7.278		
13,800.00	7,074.38	13,002.01	6,973.00	200.34	170.70	-87.49	-2,403.98	-4,595.73	2,494.38	2,160.24	334.14	7.465		
13,900.00	7,074.61	13,002.01	6,973.00	203.15	170.70	-87.49	-2,403.98	-4,595.73	2,538.40	2,207.55	330.84	7.672		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	13,002.01	6,973.00	205.97	170.70	-87.49	-2,403.98	-4,595.73	2,585.54	2,258.24	327.30	7.900		
14,100.00	7,075.07	13,002.01	6,973.00	208.78	170.70	-87.49	-2,403.98	-4,595.73	2,635.63	2,312.08	323.54	8.146		
14,200.00	7,075.30	13,002.01	6,973.00	211.60	170.70	-87.49	-2,403.98	-4,595.73	2,688.51	2,368.88	319.62	8.411		
14,300.00	7,075.54	13,002.01	6,973.00	214.42	170.70	-87.49	-2,403.98	-4,595.73	2,744.01	2,428.43	315.58	8.695		
14,400.00	7,075.77	13,002.01	6,973.00	217.24	170.70	-87.49	-2,403.98	-4,595.73	2,801.99	2,490.54	311.45	8.997		
14,500.00	7,076.00	13,002.01	6,973.00	220.06	170.70	-87.49	-2,403.98	-4,595.73	2,862.29	2,555.03	307.26	9.316		
14,600.00	7,076.23	13,002.01	6,973.00	222.88	170.70	-87.49	-2,403.98	-4,595.73	2,924.76	2,621.72	303.04	9.651		
14,700.00	7,076.46	13,002.01	6,973.00	225.70	170.70	-87.49	-2,403.98	-4,595.73	2,989.27	2,690.46	298.82	10.004		
14,800.00	7,076.69	13,002.01	6,973.00	228.53	170.70	-87.49	-2,403.98	-4,595.73	3,055.70	2,761.09	294.61	10.372		
14,900.00	7,076.92	13,002.01	6,973.00	231.35	170.70	-87.49	-2,403.98	-4,595.73	3,123.91	2,833.47	290.44	10.756		
15,000.00	7,077.15	13,002.01	6,973.00	234.18	170.70	-87.49	-2,403.98	-4,595.73	3,193.80	2,907.48	286.32	11.155		
15,100.00	7,077.38	13,002.01	6,973.00	237.00	170.70	-87.49	-2,403.98	-4,595.73	3,265.26	2,983.00	282.26	11.568		
15,200.00	7,077.61	13,002.01	6,973.00	239.83	170.70	-87.49	-2,403.98	-4,595.73	3,338.18	3,059.91	278.27	11.996		
15,300.00	7,077.84	13,002.01	6,973.00	242.66	170.70	-87.49	-2,403.98	-4,595.73	3,412.47	3,138.11	274.36	12.438		
15,400.00	7,078.07	13,002.01	6,973.00	245.49	170.70	-87.49	-2,403.98	-4,595.73	3,488.05	3,217.51	270.54	12.893		
15,500.00	7,078.30	13,002.01	6,973.00	248.31	170.70	-87.49	-2,403.98	-4,595.73	3,564.83	3,298.02	266.81	13.361		
15,600.00	7,078.53	13,002.01	6,973.00	251.14	170.70	-87.49	-2,403.98	-4,595.73	3,642.74	3,379.57	263.17	13.842		
15,700.00	7,078.76	13,002.01	6,973.00	253.97	170.70	-87.49	-2,403.98	-4,595.73	3,721.71	3,462.08	259.63	14.335		
15,800.00	7,078.99	13,002.01	6,973.00	256.80	170.70	-87.49	-2,403.98	-4,595.73	3,801.66	3,545.47	256.19	14.839		
15,900.00	7,079.22	13,002.01	6,973.00	259.64	170.70	-87.49	-2,403.98	-4,595.73	3,882.55	3,629.70	252.84	15.356		
16,000.00	7,079.45	13,002.01	6,973.00	262.47	170.70	-87.49	-2,403.98	-4,595.73	3,964.31	3,714.71	249.60	15.883		
16,100.00	7,079.69	13,002.01	6,973.00	265.30	170.70	-87.49	-2,403.98	-4,595.73	4,046.88	3,800.44	246.45	16.421		
16,200.00	7,079.92	13,002.01	6,973.00	268.13	170.70	-87.49	-2,403.98	-4,595.73	4,130.23	3,886.84	243.39	16.969		
16,300.00	7,080.15	13,002.01	6,973.00	270.97	170.70	-87.49	-2,403.98	-4,595.73	4,214.30	3,973.87	240.43	17.528		
16,400.00	7,080.38	13,002.01	6,973.00	273.80	170.70	-87.49	-2,403.98	-4,595.73	4,299.05	4,061.49	237.56	18.096		
16,500.00	7,080.61	13,002.01	6,973.00	276.64	170.70	-87.49	-2,403.98	-4,595.73	4,384.45	4,149.66	234.79	18.674		
16,600.00	7,080.84	13,002.01	6,973.00	279.47	170.70	-87.49	-2,403.98	-4,595.73	4,470.45	4,238.35	232.10	19.261		
16,700.00	7,081.07	13,002.01	6,973.00	282.31	170.70	-87.49	-2,403.98	-4,595.73	4,557.02	4,327.53	229.50	19.856		
16,800.00	7,081.30	13,002.01	6,973.00	285.14	170.70	-87.49	-2,403.98	-4,595.73	4,644.14	4,417.16	226.98	20.461		
16,900.00	7,081.53	13,002.01	6,973.00	287.98	170.70	-87.49	-2,403.98	-4,595.73	4,731.76	4,507.22	224.54	21.073		
17,000.00	7,081.76	13,002.01	6,973.00	290.82	170.70	-87.49	-2,403.98	-4,595.73	4,819.86	4,597.68	222.18	21.693		
17,100.00	7,081.99	13,002.01	6,973.00	293.65	170.70	-87.49	-2,403.98	-4,595.73	4,908.42	4,688.52	219.90	22.321		
17,200.00	7,082.22	13,002.01	6,973.00	296.49	170.70	-87.49	-2,403.98	-4,595.73	4,997.41	4,779.72	217.69	22.956		
17,300.00	7,082.45	13,002.01	6,973.00	299.33	170.70	-87.49	-2,403.98	-4,595.73	5,086.81	4,871.26	215.56	23.598		
17,400.00	7,082.68	13,002.01	6,973.00	302.17	170.70	-87.49	-2,403.98	-4,595.73	5,176.60	4,963.11	213.49	24.248		
17,500.00	7,082.91	13,002.01	6,973.00	305.01	170.70	-87.49	-2,403.98	-4,595.73	5,266.76	5,055.27	211.49	24.903		
17,600.00	7,083.14	13,002.01	6,973.00	307.85	170.70	-87.49	-2,403.98	-4,595.73	5,357.27	5,147.71	209.55	25.565		
17,700.00	7,083.37	13,002.01	6,973.00	310.69	170.70	-87.49	-2,403.98	-4,595.73	5,448.10	5,240.43	207.68	26.233		
17,800.00	7,083.60	13,002.01	6,973.00	313.53	170.70	-87.49	-2,403.98	-4,595.73	5,539.26	5,333.39	205.86	26.908		
17,900.00	7,083.84	13,002.01	6,973.00	316.37	170.70	-87.49	-2,403.98	-4,595.73	5,630.71	5,426.61	204.11	27.587		
18,000.00	7,084.07	13,002.01	6,973.00	319.21	170.70	-87.49	-2,403.98	-4,595.73	5,722.45	5,520.05	202.40	28.272		
18,100.00	7,084.30	13,002.01	6,973.00	322.05	170.70	-87.49	-2,403.98	-4,595.73	5,814.46	5,613.71	200.76	28.963		
18,200.00	7,084.53	13,002.01	6,973.00	324.89	170.70	-87.49	-2,403.98	-4,595.73	5,906.73	5,707.57	199.16	29.658		
18,300.00	7,084.76	13,002.01	6,973.00	327.73	170.70	-87.49	-2,403.98	-4,595.73	5,999.25	5,801.64	197.61	30.359		
18,400.00	7,084.99	13,002.01	6,973.00	330.57	170.70	-87.49	-2,403.98	-4,595.73	6,092.01	5,895.90	196.11	31.064		
18,500.00	7,085.22	13,002.01	6,973.00	333.41	170.70	-87.49	-2,403.98	-4,595.73	6,184.99	5,990.33	194.66	31.773		
18,600.00	7,085.45	13,002.01	6,973.00	336.26	170.70	-87.49	-2,403.98	-4,595.73	6,278.19	6,084.93	193.26	32.487		
18,700.00	7,085.68	13,002.01	6,973.00	339.10	170.70	-87.49	-2,403.98	-4,595.73	6,371.59	6,179.70	191.89	33.204		
18,800.00	7,085.91	13,002.01	6,973.00	341.94	170.70	-87.49	-2,403.98	-4,595.73	6,465.19	6,274.63	190.57	33.926		
18,839.14	7,086.00	13,002.01	6,973.00	343.06	170.70	-87.49	-2,403.98	-4,595.73	6,501.88	6,311.82	190.06	34.209		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-164.66	-1.39	164.66					
100.00	100.00	100.00	100.00	3.28	3.28	-179.52	-164.66	-1.39	164.66	158.09	6.57	25.065		
200.00	200.00	200.00	200.00	3.34	3.34	-179.52	-164.66	-1.39	164.66	157.99	6.67	24.672 CC, ES		
300.00	300.00	295.17	295.15	3.44	3.43	-179.78	-166.05	-0.64	166.12	159.23	6.89	24.121		
400.00	399.98	390.17	390.03	3.60	3.58	84.42	-170.21	1.60	170.34	163.14	7.20	23.655		
500.00	499.84	484.89	484.42	3.80	3.76	84.68	-177.12	5.32	177.13	169.52	7.60	23.292		
600.00	599.45	579.18	578.07	4.04	3.98	85.41	-186.72	10.50	186.51	178.42	8.09	23.064		
700.00	698.70	672.91	670.76	4.31	4.24	86.49	-198.94	17.08	198.53	189.90	8.63	22.994		
800.00	797.47	765.95	762.28	4.62	4.53	87.82	-213.71	25.04	213.25	204.02	9.24	23.089		
900.00	895.62	858.20	852.42	4.97	4.85	89.28	-230.93	34.32	230.73	220.85	9.88	23.346		
980.89	974.49	932.14	924.20	5.27	5.13	90.49	-246.57	42.75	246.93	236.48	10.44	23.646		
1,000.00	993.07	949.53	941.00	5.34	5.20	90.85	-250.48	44.86	251.02	240.44	10.58	23.730		
1,100.00	1,090.26	1,040.01	1,028.03	5.75	5.58	92.31	-272.30	56.62	274.04	262.73	11.31	24.229		
1,200.00	1,187.45	1,129.59	1,113.36	6.17	5.99	93.19	-296.27	69.53	299.58	287.51	12.07	24.819		
1,300.00	1,284.64	1,218.10	1,196.81	6.62	6.42	93.61	-322.25	83.53	327.49	314.64	12.85	25.483		
1,400.00	1,381.83	1,305.40	1,278.18	7.07	6.87	93.68	-350.08	98.53	357.67	344.02	13.65	26.210		
1,500.00	1,479.01	1,391.36	1,357.31	7.54	7.35	93.47	-379.60	114.44	390.06	375.61	14.45	26.990		
1,600.00	1,576.20	1,484.00	1,441.90	8.02	7.90	93.12	-412.88	132.37	423.87	408.53	15.34	27.640		
1,700.00	1,673.39	1,578.07	1,527.77	8.50	8.47	92.82	-446.69	150.59	457.72	441.46	16.25	28.159		
1,800.00	1,770.58	1,672.14	1,613.64	8.99	9.06	92.55	-480.50	168.82	491.58	474.39	17.19	28.592		
1,900.00	1,867.77	1,766.21	1,699.51	9.48	9.66	92.32	-514.31	187.04	525.45	507.30	18.15	28.954		
2,000.00	1,964.96	1,860.28	1,785.39	9.98	10.26	92.12	-548.13	205.26	559.32	540.21	19.12	29.259		
2,100.00	2,062.15	1,954.35	1,871.26	10.49	10.88	91.94	-581.94	223.48	593.20	573.11	20.10	29.517		
2,200.00	2,159.34	2,048.42	1,957.13	10.99	11.50	91.78	-615.75	241.70	627.09	606.00	21.09	29.738		
2,300.00	2,256.53	2,142.50	2,043.00	11.50	12.13	91.64	-649.56	259.92	660.98	638.89	22.09	29.927		
2,400.00	2,353.71	2,236.57	2,123.87	12.01	12.76	91.51	-683.37	278.14	694.87	671.78	23.09	30.090		
2,500.00	2,450.90	2,330.64	2,214.75	12.53	13.39	91.39	-717.18	296.36	728.76	704.66	24.11	30.231		
2,600.00	2,548.09	2,424.71	2,300.62	13.04	14.03	91.29	-751.00	314.58	762.66	737.53	25.13	30.354		
2,700.00	2,645.28	2,518.78	2,386.49	13.56	14.67	91.19	-784.81	332.80	796.56	770.41	26.15	30.461		
2,800.00	2,742.47	2,612.85	2,472.36	14.08	15.32	91.10	-818.62	351.03	830.46	803.28	27.18	30.555		
2,900.00	2,839.66	2,706.92	2,558.23	14.60	15.97	91.01	-852.43	369.25	864.36	836.15	28.21	30.638		
3,000.00	2,936.85	2,800.99	2,644.11	15.12	16.62	90.94	-886.24	387.47	898.27	869.02	29.25	30.711		
3,100.00	3,034.04	2,904.94	2,729.98	15.65	17.34	90.87	-920.05	405.69	932.17	901.83	30.35	30.716		
3,200.00	3,131.22	2,989.13	2,815.85	16.17	17.92	90.80	-953.87	423.91	966.08	934.75	31.33	30.834		
3,300.00	3,228.41	3,083.20	2,901.72	16.69	18.57	90.74	-987.68	442.13	999.99	967.61	32.38	30.885		
3,400.00	3,325.60	3,177.27	2,987.59	17.22	19.23	90.68	-1,021.49	460.35	1,033.90	1,000.47	33.43	30.931		
3,500.00	3,422.79	3,271.34	3,073.47	17.75	19.89	90.63	-1,055.30	478.57	1,067.81	1,033.33	34.48	30.972		
3,600.00	3,519.98	3,365.41	3,159.34	18.27	20.54	90.58	-1,089.11	496.79	1,101.72	1,066.19	35.53	31.009		
3,700.00	3,617.17	3,459.48	3,245.21	18.80	21.20	90.53	-1,122.92	515.01	1,135.63	1,099.05	36.58	31.043		
3,800.00	3,714.36	3,553.55	3,331.08	19.33	21.86	90.49	-1,156.74	533.24	1,169.54	1,131.90	37.64	31.073		
3,900.00	3,811.55	3,647.62	3,416.96	19.86	22.52	90.44	-1,190.55	551.46	1,203.46	1,164.76	38.70	31.100		
4,000.00	3,908.74	3,741.69	3,502.83	20.39	23.19	90.40	-1,224.36	569.68	1,237.37	1,197.61	39.75	31.125		
4,100.00	4,005.92	3,835.76	3,588.70	20.92	23.85	90.37	-1,258.17	587.90	1,271.28	1,230.47	40.81	31.148		
4,200.00	4,103.11	3,929.83	3,674.57	21.45	24.51	90.33	-1,291.98	606.12	1,305.20	1,263.32	41.88	31.168		
4,300.00	4,200.30	4,023.90	3,760.44	21.98	25.17	90.30	-1,325.80	624.34	1,339.11	1,296.17	42.94	31.187		
4,400.00	4,297.49	4,117.98	3,846.32	22.51	25.84	90.26	-1,359.61	642.56	1,373.03	1,329.02	44.00	31.204		
4,500.00	4,394.68	4,212.05	3,932.19	23.04	26.50	90.23	-1,393.42	660.78	1,406.94	1,361.88	45.07	31.219		
4,600.00	4,491.87	4,306.12	4,018.06	23.57	27.17	90.20	-1,427.23	679.00	1,440.86	1,394.73	46.13	31.233		
4,700.00	4,589.06	4,400.19	4,103.93	24.10	27.83	90.18	-1,461.04	697.22	1,474.77	1,427.58	47.20	31.246		
4,800.00	4,686.25	4,505.74	4,189.80	24.64	28.58	90.15	-1,494.85	715.45	1,508.69	1,460.36	48.34	31.213		
4,900.00	4,783.43	4,588.33	4,275.68	25.17	29.16	90.12	-1,528.67	733.67	1,542.61	1,493.27	49.33	31.269		
5,000.00	4,880.62	4,682.40	4,361.55	25.70	29.83	90.10	-1,562.48	751.89	1,576.52	1,526.12	50.40	31.279		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,776.47	4,447.42	26.23	30.49	90.08	-1,596.29	770.11	1,610.44	1,558.97	51.47	31.288		
5,200.00	5,075.00	4,870.54	4,533.29	26.77	31.16	90.05	-1,630.10	788.33	1,644.36	1,591.82	52.54	31.296		
5,300.00	5,172.19	4,964.61	4,619.16	27.30	31.83	90.03	-1,663.91	806.55	1,678.28	1,624.66	53.61	31.304		
5,400.00	5,269.38	5,058.68	4,705.04	27.83	32.50	90.01	-1,697.72	824.77	1,712.19	1,657.51	54.68	31.311		
5,457.75	5,325.51	5,113.01	4,754.63	28.14	32.88	90.00	-1,717.25	835.29	1,731.78	1,676.48	55.30	31.315		
5,500.00	5,366.64	5,152.75	4,790.91	28.37	33.16	90.28	-1,731.54	842.99	1,746.11	1,690.36	55.75	31.320		
5,600.00	5,464.53	5,246.74	4,876.71	28.87	33.83	90.88	-1,765.32	861.20	1,780.02	1,723.23	56.79	31.347		
5,700.00	5,563.07	5,340.56	4,962.35	29.35	34.50	91.36	-1,799.04	879.37	1,813.89	1,756.11	57.78	31.394		
5,800.00	5,662.15	5,434.07	5,047.71	29.80	35.16	91.73	-1,832.65	897.48	1,847.72	1,788.99	58.73	31.460		
5,900.00	5,761.64	5,527.18	5,132.70	30.23	35.82	92.01	-1,866.12	915.52	1,881.54	1,821.90	59.65	31.545		
6,000.00	5,861.42	5,619.76	5,217.21	30.64	36.48	92.19	-1,899.39	933.45	1,915.37	1,854.85	60.52	31.647		
6,100.00	5,961.36	5,711.70	5,301.14	31.02	37.13	92.30	-1,932.44	951.26	1,949.25	1,887.89	61.36	31.766		
6,138.64	6,000.00	5,747.02	5,333.39	31.16	37.38	-172.17	-1,945.14	958.10	1,962.37	1,900.69	61.68	31.817		
6,200.00	6,061.36	5,803.04	5,384.52	31.38	37.78	-172.59	-1,965.27	968.95	1,983.26	1,921.10	62.17	31.903		
6,300.00	6,161.36	5,894.32	5,467.85	31.74	38.43	-173.24	-1,998.08	986.63	2,017.52	1,954.55	62.97	32.041		
6,400.00	6,261.36	5,985.61	5,551.18	32.10	39.08	-173.88	-2,030.89	1,004.31	2,052.01	1,988.24	63.77	32.178		
6,500.00	6,361.36	6,076.89	5,634.51	32.46	39.73	-174.50	-2,063.70	1,021.99	2,086.73	2,022.15	64.58	32.315		
6,562.02	6,423.38	6,133.50	5,686.19	32.68	40.13	-174.87	-2,084.05	1,032.96	2,108.37	2,043.30	65.08	32.398		
6,600.00	6,461.34	6,167.94	5,717.62	32.82	40.38	-83.57	-2,096.43	1,039.63	2,121.57	2,056.19	65.37	32.453		
6,650.00	6,511.08	6,212.40	5,758.21	32.99	40.70	-82.35	-2,112.41	1,048.24	2,138.64	2,072.90	65.74	32.530		
6,700.00	6,560.29	6,255.62	5,797.66	33.17	41.00	-81.26	-2,127.94	1,056.61	2,155.36	2,089.26	66.10	32.607		
6,750.00	6,608.64	6,302.66	5,835.74	33.36	41.34	-80.27	-2,142.94	1,064.69	2,171.71	2,105.24	66.48	32.669		
6,800.00	6,655.86	6,337.29	5,872.21	33.56	41.58	-79.37	-2,157.30	1,072.43	2,187.70	2,120.92	66.78	32.761		
6,850.00	6,701.64	6,375.23	5,906.85	33.78	41.85	-78.54	-2,170.93	1,079.78	2,203.33	2,136.23	67.10	32.836		
6,900.00	6,745.71	6,410.93	5,939.44	34.01	42.11	-77.77	-2,183.77	1,086.70	2,218.63	2,151.21	67.42	32.907		
6,950.00	6,787.79	6,444.17	5,969.78	34.27	42.35	-77.03	-2,195.71	1,093.13	2,233.63	2,165.89	67.74	32.975		
7,000.00	6,827.62	6,474.74	5,997.68	34.56	42.56	-76.31	-2,206.70	1,099.05	2,248.35	2,180.29	68.05	33.037		
7,050.00	6,864.96	6,502.45	6,022.98	34.87	42.76	-75.59	-2,216.66	1,104.42	2,262.82	2,194.44	68.37	33.095		
7,100.00	6,899.58	6,527.14	6,045.51	35.21	42.94	-74.85	-2,225.53	1,109.20	2,277.06	2,208.36	68.70	33.145		
7,150.00	6,931.26	6,548.64	6,065.14	35.60	43.09	-74.09	-2,233.26	1,113.37	2,291.09	2,222.06	69.03	33.188		
7,200.00	6,959.81	6,566.83	6,081.75	36.02	43.22	-73.28	-2,239.80	1,116.89	2,304.92	2,235.54	69.38	33.222		
7,250.00	6,985.06	6,581.60	6,095.23	36.47	43.32	-72.43	-2,245.11	1,119.75	2,318.55	2,248.81	69.74	33.247		
7,300.00	7,006.84	6,592.85	6,105.50	36.97	43.40	-71.51	-2,249.15	1,121.93	2,331.96	2,261.85	70.11	33.262		
7,350.00	7,025.02	6,600.52	6,112.50	37.51	43.46	-70.54	-2,251.91	1,123.42	2,345.13	2,274.64	70.49	33.268		
7,400.00	7,039.49	6,604.56	6,116.19	38.09	43.49	-69.52	-2,253.36	1,124.20	2,358.01	2,287.13	70.88	33.266		
7,450.00	7,050.17	6,604.94	6,116.53	38.70	43.49	-68.44	-2,253.50	1,124.27	2,370.56	2,299.27	71.28	33.255		
7,500.00	7,056.98	6,601.65	6,113.54	39.33	43.47	-67.31	-2,252.32	1,123.64	2,382.69	2,311.01	71.68	33.238		
7,550.00	7,059.89	6,605.27	6,107.22	39.99	43.49	-66.16	-2,249.83	1,122.30	2,394.33	2,322.19	72.14	33.189		
7,560.55	7,060.00	6,592.81	6,105.47	40.13	43.40	-65.91	-2,249.14	1,121.93	2,396.71	2,324.55	72.16	33.212		
7,600.00	7,060.09	6,585.33	6,098.64	40.67	43.35	-65.73	-2,246.45	1,120.48	2,405.88	2,333.39	72.48	33.192		
7,700.00	7,060.32	6,566.36	6,081.32	42.14	43.22	-65.27	-2,239.63	1,116.80	2,431.71	2,358.34	73.37	33.143		
7,800.00	7,060.55	6,547.39	6,064.00	43.75	43.08	-64.82	-2,232.81	1,113.13	2,461.19	2,386.85	74.34	33.108		
7,900.00	7,060.78	6,528.42	6,046.68	45.48	42.95	-64.36	-2,225.99	1,109.45	2,494.19	2,418.82	75.37	33.095		
8,000.00	7,061.01	6,485.80	7,123.56	47.33	53.45	-91.42	-2,642.82	128.50	2,521.32	2,424.13	97.18	25.944		
8,100.00	7,061.24	6,485.80	7,124.38	49.27	54.81	-91.43	-2,642.55	128.51	2,520.53	2,419.61	100.92	24.975		
8,200.00	7,061.47	6,485.79	7,125.19	51.29	56.32	-91.45	-2,642.27	-71.48	2,519.75	2,414.91	104.84	24.034		
8,300.00	7,061.70	6,485.79	7,126.00	53.40	57.97	-91.46	-2,642.00	-171.48	2,518.97	2,410.05	108.92	23.128		
8,400.00	7,061.93	6,485.78	7,126.82	55.57	59.75	-91.48	-2,641.73	-271.47	2,518.18	2,405.05	113.13	22.259		
8,500.00	7,062.16	6,485.78	7,127.63	57.80	61.65	-91.49	-2,641.45	-371.46	2,517.40	2,399.92	117.48	21.429		
8,600.00	7,062.39	6,485.77	7,128.44	60.08	63.64	-91.50	-2,641.18	-471.45	2,516.62	2,394.68	121.93	20.639		
8,700.00	7,062.63	6,485.77	7,129.26	62.42	65.71	-91.52	-2,640.90	-571.44	2,515.83	2,389.34	126.49	19.889		
8,800.00	7,062.86	6,485.76	7,130.07	64.79	67.85	-91.53	-2,640.63	-671.43	2,515.05	2,383.91	131.14	19.178		

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

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

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,063.09	9,385.76	7,130.88	67.20	70.06	-91.54	-2,640.35	-771.42	2,514.27	2,378.40	135.87	18.505		
9,000.00	7,063.32	9,485.75	7,131.70	69.65	72.32	-91.56	-2,640.08	-871.42	2,513.48	2,372.81	140.67	17.868		
9,100.00	7,063.55	9,585.75	7,132.51	72.12	74.63	-91.57	-2,639.80	-971.41	2,512.70	2,367.16	145.54	17.265		
9,200.00	7,063.78	9,685.74	7,133.32	74.63	76.99	-91.59	-2,639.53	-1,071.40	2,511.92	2,361.45	150.47	16.694		
9,300.00	7,064.01	9,785.74	7,134.14	77.16	79.38	-91.60	-2,639.25	-1,171.39	2,511.14	2,355.69	155.45	16.154		
9,400.00	7,064.24	9,885.73	7,134.95	79.71	81.81	-91.61	-2,638.98	-1,271.38	2,510.36	2,349.88	160.48	15.643		
9,500.00	7,064.47	9,985.73	7,135.77	82.28	84.27	-91.63	-2,638.70	-1,371.37	2,509.57	2,344.02	165.55	15.159		
9,600.00	7,064.70	10,085.72	7,136.58	84.87	86.75	-91.64	-2,638.43	-1,471.36	2,508.79	2,338.12	170.67	14.700		
9,700.00	7,064.93	10,185.72	7,137.39	87.47	89.26	-91.65	-2,638.15	-1,571.36	2,508.01	2,332.19	175.82	14.265		
9,800.00	7,065.16	10,285.71	7,138.21	90.09	91.79	-91.67	-2,637.88	-1,671.35	2,507.23	2,326.22	181.01	13.852		
9,900.00	7,065.39	10,385.71	7,139.02	92.73	94.35	-91.68	-2,637.61	-1,771.34	2,506.45	2,320.23	186.22	13.459		
10,000.00	7,065.62	10,485.70	7,139.83	95.38	96.92	-91.70	-2,637.33	-1,871.33	2,505.67	2,314.20	191.47	13.087		
10,100.00	7,065.85	10,585.70	7,140.65	98.04	99.51	-91.71	-2,637.06	-1,971.32	2,504.89	2,308.15	196.74	12.732		
10,200.00	7,066.08	10,685.69	7,141.46	100.71	102.11	-91.72	-2,636.78	-2,071.31	2,504.10	2,302.07	202.03	12.395		
10,300.00	7,066.31	10,785.69	7,142.27	103.39	104.73	-91.74	-2,636.51	-2,171.30	2,503.32	2,295.98	207.35	12.073		
10,400.00	7,066.54	10,885.68	7,143.09	106.08	107.36	-91.75	-2,636.23	-2,271.30	2,502.54	2,289.86	212.69	11.766		
10,500.00	7,066.77	10,985.68	7,143.90	108.78	110.01	-91.77	-2,635.96	-2,371.29	2,501.76	2,283.72	218.04	11.474		
10,600.00	7,067.01	11,085.67	7,144.72	111.48	112.66	-91.78	-2,635.68	-2,471.28	2,500.98	2,277.57	223.42	11.194		
10,700.00	7,067.24	11,185.67	7,145.53	114.20	115.33	-91.79	-2,635.41	-2,571.27	2,500.20	2,271.40	228.81	10.927		
10,800.00	7,067.47	11,285.66	7,146.34	116.92	118.00	-91.81	-2,635.13	-2,671.26	2,499.42	2,265.21	234.21	10.672		
10,900.00	7,067.70	11,385.66	7,147.16	119.65	120.68	-91.82	-2,634.86	-2,771.25	2,498.64	2,259.01	239.63	10.427		
11,000.00	7,067.93	11,485.65	7,147.97	122.38	123.38	-91.84	-2,634.58	-2,871.24	2,497.86	2,252.80	245.07	10.193		
11,100.00	7,068.16	11,585.65	7,148.78	125.12	126.08	-91.85	-2,634.31	-2,971.24	2,497.08	2,246.57	250.51	9.968		
11,200.00	7,068.39	11,685.65	7,149.60	127.86	128.78	-91.86	-2,634.03	-3,071.23	2,496.30	2,240.34	255.97	9.752		
11,300.00	7,068.62	11,785.64	7,150.41	130.61	131.50	-91.88	-2,633.76	-3,171.22	2,495.53	2,234.09	261.44	9.545		
11,400.00	7,068.85	11,885.64	7,151.22	133.37	134.22	-91.89	-2,633.49	-3,271.21	2,494.75	2,227.83	266.91	9.347		
11,500.00	7,069.08	11,985.63	7,152.04	136.12	136.94	-91.91	-2,633.21	-3,371.20	2,493.97	2,221.56	272.40	9.155		
11,600.00	7,069.31	12,085.63	7,152.85	138.89	139.68	-91.92	-2,632.94	-3,471.19	2,493.19	2,215.29	277.90	8.972		
11,700.00	7,069.54	12,185.62	7,153.67	141.65	142.41	-91.93	-2,632.66	-3,571.18	2,492.41	2,209.01	283.40	8.795		
11,800.00	7,069.77	12,285.62	7,154.48	144.42	145.15	-91.95	-2,632.39	-3,671.18	2,491.63	2,202.71	288.92	8.624		
11,900.00	7,070.00	12,385.61	7,155.29	147.19	147.90	-91.96	-2,632.11	-3,771.17	2,490.85	2,196.41	294.44	8.460		
12,000.00	7,070.23	12,485.61	7,156.11	149.97	150.65	-91.98	-2,631.84	-3,871.16	2,490.08	2,190.11	299.97	8.301		
12,100.00	7,070.46	12,585.60	7,156.92	152.75	153.41	-91.99	-2,631.56	-3,971.15	2,489.30	2,183.80	305.50	8.148		
12,200.00	7,070.69	12,685.60	7,157.73	155.53	156.17	-92.00	-2,631.29	-4,071.14	2,488.52	2,177.48	311.04	8.001		
12,300.00	7,070.92	12,785.59	7,158.55	158.32	158.93	-92.02	-2,631.01	-4,171.13	2,487.74	2,171.15	316.59	7.858		
12,400.00	7,071.16	12,885.59	7,159.36	161.10	161.70	-92.03	-2,630.74	-4,271.12	2,486.96	2,164.82	322.14	7.720		
12,500.00	7,071.39	12,985.58	7,160.17	163.89	164.46	-92.05	-2,630.46	-4,371.12	2,486.19	2,158.49	327.70	7.587		
12,600.00	7,071.62	13,085.58	7,160.99	166.69	167.24	-92.06	-2,630.19	-4,471.11	2,485.41	2,152.15	333.26	7.458		
12,700.00	7,071.85	13,185.57	7,161.80	169.48	170.01	-92.07	-2,629.92	-4,571.10	2,484.63	2,145.80	338.83	7.333		
12,744.62	7,071.95	13,210.89	7,162.01	170.73	170.72	-92.08	-2,629.85	-4,596.41	2,484.36	2,143.64	340.72	7.291		
12,800.00	7,072.08	13,210.89	7,162.01	172.28	170.72	-92.08	-2,629.85	-4,596.41	2,484.98	2,142.99	341.99	7.266		
12,900.00	7,072.31	13,210.89	7,162.01	175.08	170.72	-92.08	-2,629.85	-4,596.41	2,489.21	2,145.34	343.87	7.239		
13,000.00	7,072.54	13,210.89	7,162.01	177.88	170.72	-92.08	-2,629.85	-4,596.41	2,497.45	2,152.22	345.23	7.234 SF		
13,100.00	7,072.77	13,210.89	7,162.01	180.68	170.72	-92.08	-2,629.85	-4,596.41	2,509.65	2,163.59	346.06	7.252		
13,200.00	7,073.00	13,210.89	7,162.01	183.48	170.72	-92.08	-2,629.85	-4,596.41	2,525.75	2,179.37	346.38	7.292		
13,300.00	7,073.23	13,210.89	7,162.01	186.29	170.72	-92.08	-2,629.85	-4,596.41	2,545.68	2,199.48	346.20	7.353		
13,400.00	7,073.46	13,210.89	7,162.01	189.09	170.72	-92.08	-2,629.85	-4,596.41	2,569.35	2,223.80	345.55	7.436		
13,500.00	7,073.69	13,210.89	7,162.01	191.90	170.72	-92.08	-2,629.85	-4,596.41	2,596.66	2,252.20	344.46	7.538		
13,600.00	7,073.92	13,210.89	7,162.01	194.71	170.72	-92.08	-2,629.85	-4,596.41	2,627.49	2,284.54	342.96	7.661		
13,700.00	7,074.15	13,210.89	7,162.01	197.52	170.72	-92.08	-2,629.85	-4,596.41	2,661.73	2,320.64	341.08	7.804		
13,800.00	7,074.38	13,210.89	7,162.01	200.34	170.72	-92.08	-2,629.85	-4,596.41	2,699.24	2,360.36	338.87	7.965		
13,900.00	7,074.61	13,210.89	7,162.01	203.15	170.72	-92.08	-2,629.85	-4,596.41	2,739.88	2,403.52	336.36	8.146		

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

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

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	13,210.89	7,162.01	205.97	170.72	-92.08	-2,629.85	-4,596.41	2,783.53	2,449.93	333.59	8.344		
14,100.00	7,075.07	13,210.89	7,162.01	208.78	170.72	-92.08	-2,629.85	-4,596.41	2,830.04	2,499.44	330.60	8.560		
14,200.00	7,075.30	13,210.89	7,162.01	211.60	170.72	-92.08	-2,629.85	-4,596.41	2,879.27	2,551.85	327.42	8.794		
14,300.00	7,075.54	13,210.89	7,162.01	214.42	170.72	-92.08	-2,629.85	-4,596.41	2,931.08	2,607.00	324.08	9.044		
14,400.00	7,075.77	13,210.89	7,162.01	217.24	170.72	-92.08	-2,629.85	-4,596.41	2,985.35	2,664.73	320.62	9.311		
14,500.00	7,076.00	13,210.89	7,162.01	220.06	170.72	-92.08	-2,629.85	-4,596.41	3,041.94	2,724.87	317.07	9.594		
14,600.00	7,076.23	13,210.89	7,162.01	222.88	170.72	-92.08	-2,629.85	-4,596.41	3,100.72	2,787.28	313.44	9.892		
14,700.00	7,076.46	13,210.89	7,162.01	225.70	170.72	-92.08	-2,629.85	-4,596.41	3,161.58	2,851.80	309.77	10.206		
14,800.00	7,076.69	13,210.89	7,162.01	228.53	170.72	-92.08	-2,629.85	-4,596.41	3,224.38	2,918.31	306.08	10.535		
14,900.00	7,076.92	13,210.89	7,162.01	231.35	170.72	-92.08	-2,629.85	-4,596.41	3,289.03	2,986.66	302.37	10.877		
15,000.00	7,077.15	13,210.89	7,162.01	234.18	170.72	-92.08	-2,629.85	-4,596.41	3,355.41	3,056.73	298.68	11.234		
15,100.00	7,077.38	13,210.89	7,162.01	237.00	170.72	-92.08	-2,629.85	-4,596.41	3,423.43	3,128.42	295.00	11.605		
15,200.00	7,077.61	13,210.89	7,162.01	239.83	170.72	-92.08	-2,629.85	-4,596.41	3,492.98	3,201.62	291.37	11.988		
15,300.00	7,077.84	13,210.89	7,162.01	242.66	170.72	-92.08	-2,629.85	-4,596.41	3,563.99	3,276.22	287.77	12.385		
15,400.00	7,078.07	13,210.89	7,162.01	245.49	170.72	-92.08	-2,629.85	-4,596.41	3,636.36	3,352.13	284.23	12.794		
15,500.00	7,078.30	13,210.89	7,162.01	248.31	170.72	-92.08	-2,629.85	-4,596.41	3,710.01	3,429.26	280.75	13.215		
15,600.00	7,078.53	13,210.89	7,162.01	251.14	170.72	-92.08	-2,629.85	-4,596.41	3,784.87	3,507.54	277.33	13.648		
15,700.00	7,078.76	13,210.89	7,162.01	253.97	170.72	-92.08	-2,629.85	-4,596.41	3,860.87	3,586.89	273.98	14.092		
15,800.00	7,078.99	13,210.89	7,162.01	256.80	170.72	-92.08	-2,629.85	-4,596.41	3,937.94	3,667.24	270.70	14.547		
15,900.00	7,079.22	13,210.89	7,162.01	259.64	170.72	-92.08	-2,629.85	-4,596.41	4,016.03	3,748.53	267.50	15.013		
16,000.00	7,079.45	13,210.89	7,162.01	262.47	170.72	-92.08	-2,629.85	-4,596.41	4,095.06	3,830.69	264.37	15.490		
16,100.00	7,079.69	13,210.89	7,162.01	265.30	170.72	-92.08	-2,629.85	-4,596.41	4,175.00	3,913.68	261.32	15.976		
16,200.00	7,079.92	13,210.89	7,162.01	268.13	170.72	-92.08	-2,629.85	-4,596.41	4,255.78	3,997.43	258.35	16.473		
16,300.00	7,080.15	13,210.89	7,162.01	270.97	170.72	-92.08	-2,629.85	-4,596.41	4,337.37	4,081.91	255.46	16.979		
16,400.00	7,080.38	13,210.89	7,162.01	273.80	170.72	-92.08	-2,629.85	-4,596.41	4,419.71	4,167.07	252.64	17.494		
16,500.00	7,080.61	13,210.89	7,162.01	276.64	170.72	-92.08	-2,629.85	-4,596.41	4,502.77	4,252.86	249.90	18.018		
16,600.00	7,080.84	13,210.89	7,162.01	279.47	170.72	-92.08	-2,629.85	-4,596.41	4,586.50	4,339.26	247.24	18.551		
16,700.00	7,081.07	13,210.89	7,162.01	282.31	170.72	-92.08	-2,629.85	-4,596.41	4,670.88	4,426.22	244.66	19.092		
16,800.00	7,081.30	13,210.89	7,162.01	285.14	170.72	-92.08	-2,629.85	-4,596.41	4,755.85	4,513.71	242.14	19.641		
16,900.00	7,081.53	13,210.89	7,162.01	287.98	170.72	-92.08	-2,629.85	-4,596.41	4,841.41	4,601.71	239.70	20.198		
17,000.00	7,081.76	13,210.89	7,162.01	290.82	170.72	-92.08	-2,629.85	-4,596.41	4,927.50	4,690.17	237.33	20.762		
17,100.00	7,081.99	13,210.89	7,162.01	293.65	170.72	-92.08	-2,629.85	-4,596.41	5,014.12	4,779.09	235.03	21.334		
17,200.00	7,082.22	13,210.89	7,162.01	296.49	170.72	-92.08	-2,629.85	-4,596.41	5,101.22	4,868.42	232.80	21.913		
17,300.00	7,082.45	13,210.89	7,162.01	299.33	170.72	-92.08	-2,629.85	-4,596.41	5,188.79	4,958.16	230.63	22.498		
17,400.00	7,082.68	13,210.89	7,162.01	302.17	170.72	-92.08	-2,629.85	-4,596.41	5,276.80	5,048.27	228.53	23.090		
17,500.00	7,082.91	13,210.89	7,162.01	305.01	170.72	-92.08	-2,629.85	-4,596.41	5,365.23	5,138.74	226.49	23.689		
17,600.00	7,083.14	13,210.89	7,162.01	307.85	170.72	-92.08	-2,629.85	-4,596.41	5,454.06	5,229.56	224.50	24.294		
17,700.00	7,083.37	13,210.89	7,162.01	310.69	170.72	-92.08	-2,629.85	-4,596.41	5,543.27	5,320.69	222.58	24.905		
17,800.00	7,083.60	13,210.89	7,162.01	313.53	170.72	-92.08	-2,629.85	-4,596.41	5,632.84	5,412.13	220.71	25.521		
17,900.00	7,083.84	13,210.89	7,162.01	316.37	170.72	-92.08	-2,629.85	-4,596.41	5,722.76	5,503.86	218.90	26.143		
18,000.00	7,084.07	13,210.89	7,162.01	319.21	170.72	-92.08	-2,629.85	-4,596.41	5,813.01	5,595.86	217.15	26.770		
18,100.00	7,084.30	13,210.89	7,162.01	322.05	170.72	-92.08	-2,629.85	-4,596.41	5,903.57	5,688.13	215.44	27.403		
18,200.00	7,084.53	13,210.89	7,162.01	324.89	170.72	-92.08	-2,629.85	-4,596.41	5,994.43	5,780.65	213.78	28.040		
18,300.00	7,084.76	13,210.89	7,162.01	327.73	170.72	-92.08	-2,629.85	-4,596.41	6,085.58	5,873.41	212.17	28.682		
18,400.00	7,084.99	13,210.89	7,162.01	330.57	170.72	-92.08	-2,629.85	-4,596.41	6,177.00	5,966.39	210.61	29.329		
18,500.00	7,085.22	13,210.89	7,162.01	333.41	170.72	-92.08	-2,629.85	-4,596.41	6,268.69	6,059.59	209.10	29.980		
18,600.00	7,085.45	13,210.89	7,162.01	336.26	170.72	-92.08	-2,629.85	-4,596.41	6,360.62	6,153.00	207.63	30.635		
18,700.00	7,085.68	13,210.89	7,162.01	339.10	170.72	-92.08	-2,629.85	-4,596.41	6,452.80	6,246.60	206.20	31.295		
18,800.00	7,085.91	13,210.89	7,162.01	341.94	170.72	-92.08	-2,629.85	-4,596.41	6,545.20	6,340.40	204.81	31.958		
18,839.14	7,086.00	13,210.89	7,162.01	343.06	170.72	-92.08	-2,629.85	-4,596.41	6,581.43	6,377.16	204.27	32.219		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	1.04	15.31	0.28	15.31					
100.00	100.00	100.00	100.00	3.28	3.28	1.04	15.31	0.28	15.31	8.74	6.57	2.331		
200.00	200.00	200.00	200.00	3.34	3.34	1.04	15.31	0.28	15.31	8.64	6.67	2.294		
209.66	209.66	209.66	209.66	3.35	3.35	1.04	15.31	0.28	15.31	8.62	6.69	2.289 CC		
300.00	300.00	299.96	299.94	3.44	3.44	7.53	15.29	2.02	15.42	8.53	6.89	2.239		
400.00	399.98	399.77	399.61	3.60	3.60	-75.80	15.22	7.24	16.35	9.15	7.20	2.271		
500.00	499.84	499.46	498.92	3.80	3.80	-65.77	15.12	15.91	18.18	10.57	7.61	2.388		
600.00	599.45	599.03	597.74	4.04	4.05	-58.25	14.97	28.02	20.69	12.57	8.12	2.549		
700.00	698.70	698.48	695.97	4.31	4.33	-52.91	14.77	43.53	23.69	14.99	8.70	2.723		
800.00	797.47	797.80	793.47	4.62	4.65	-49.23	14.54	62.42	27.04	17.69	9.35	2.893		
900.00	895.62	897.38	890.60	4.97	5.01	-47.29	14.27	84.34	30.36	20.32	10.04	3.024		
980.89	974.49	978.24	969.40	5.27	5.33	-48.89	14.04	102.51	31.61	20.98	10.63	2.974		
1,000.00	993.07	1,002.65	988.02	5.34	5.42	-49.62	13.99	106.80	31.74	20.94	10.79	2.940		
1,100.00	1,090.26	1,102.67	1,085.44	5.75	5.84	-53.36	13.71	129.26	32.47	20.89	11.59	2.803		
1,200.00	1,187.45	1,202.69	1,182.86	6.17	6.27	-56.92	13.43	151.73	33.34	20.92	12.42	2.684		
1,300.00	1,284.64	1,302.72	1,280.28	6.62	6.71	-60.29	13.15	174.19	34.33	21.03	13.30	2.581		
1,400.00	1,381.83	1,402.74	1,377.70	7.07	7.17	-63.45	12.87	196.65	35.43	21.23	14.21	2.494		
1,500.00	1,479.01	1,502.77	1,475.12	7.54	7.63	-66.42	12.60	219.11	36.63	21.50	15.14	2.420		
1,600.00	1,576.20	1,597.21	1,572.54	8.02	8.08	-69.20	12.32	241.57	37.93	21.87	16.06	2.361		
1,700.00	1,673.39	1,702.82	1,669.96	8.50	8.58	-71.78	12.04	264.03	39.31	22.25	17.06	2.305		
1,800.00	1,770.58	1,802.84	1,767.38	8.99	9.07	-74.18	11.76	286.49	40.76	22.72	18.04	2.260		
1,900.00	1,867.77	1,902.87	1,864.80	9.48	9.56	-76.42	11.48	308.96	42.28	23.25	19.03	2.222		
2,000.00	1,964.96	2,002.89	1,962.21	9.98	10.05	-78.50	11.20	331.42	43.86	23.83	20.02	2.190		
2,100.00	2,062.15	2,102.92	2,059.63	10.49	10.54	-80.43	10.93	353.88	45.49	24.46	21.03	2.163		
2,200.00	2,159.34	2,202.94	2,157.05	10.99	11.04	-82.22	10.65	376.34	47.17	25.13	22.03	2.141		
2,300.00	2,256.53	2,302.97	2,254.47	11.50	11.54	-83.89	10.37	398.80	48.89	25.85	23.05	2.121		
2,400.00	2,353.71	2,402.99	2,351.89	12.01	12.05	-85.45	10.09	421.26	50.66	26.59	24.06	2.105		
2,500.00	2,450.90	2,503.02	2,449.31	12.53	12.55	-86.90	9.81	443.72	52.45	27.37	25.08	2.091		
2,600.00	2,548.09	2,603.04	2,546.73	13.04	13.06	-88.25	9.53	466.19	54.28	28.18	26.10	2.080		
2,700.00	2,645.28	2,703.06	2,644.15	13.56	13.57	-89.52	9.25	488.65	56.14	29.02	27.12	2.070		
2,800.00	2,742.47	2,803.09	2,741.57	14.08	14.08	-90.70	8.98	511.11	58.02	29.88	28.14	2.062		
2,900.00	2,839.66	2,903.11	2,838.99	14.60	14.59	-91.81	8.70	533.57	59.93	30.76	29.16	2.055		
3,000.00	2,936.85	3,003.14	2,936.41	15.12	15.10	-92.85	8.42	556.03	61.85	31.66	30.19	2.049		
3,100.00	3,034.04	3,103.16	3,033.82	15.65	15.62	-93.82	8.14	578.49	63.80	32.58	31.21	2.044		
3,200.00	3,131.22	3,203.19	3,131.24	16.17	16.13	-94.74	7.86	600.95	65.76	33.52	32.24	2.040		
3,300.00	3,228.41	3,303.21	3,228.66	16.69	16.64	-95.60	7.58	623.42	67.74	34.48	33.26	2.036		
3,400.00	3,325.60	3,403.24	3,326.08	17.22	17.16	-96.42	7.31	645.88	69.73	35.44	34.29	2.034		
3,500.00	3,422.79	3,503.26	3,423.50	17.75	17.68	-97.19	7.03	668.34	71.74	36.42	35.31	2.031		
3,600.00	3,519.98	3,603.29	3,520.92	18.27	18.19	-97.92	6.75	690.80	73.76	37.42	36.34	2.030		
3,700.00	3,617.17	3,703.31	3,618.34	18.80	18.71	-98.61	6.47	713.26	75.79	38.42	37.37	2.028		
3,800.00	3,714.36	3,803.34	3,715.76	19.33	19.23	-99.26	6.19	735.72	77.83	39.44	38.39	2.027		
3,900.00	3,811.55	3,903.36	3,813.18	19.86	19.75	-99.88	5.91	758.18	79.88	40.46	39.42	2.026		
4,000.00	3,908.74	4,003.39	3,910.60	20.39	20.27	-100.47	5.64	780.64	81.94	41.49	40.45	2.026		
4,100.00	4,005.92	4,103.41	4,008.02	20.92	20.79	-101.03	5.36	803.11	84.01	42.53	41.47	2.026		
4,200.00	4,103.11	4,203.43	4,105.43	21.45	21.31	-101.56	5.08	825.57	86.08	43.58	42.50	2.025		
4,300.00	4,200.30	4,303.46	4,202.85	21.98	21.83	-102.07	4.80	848.03	88.16	44.63	43.53	2.025		
4,400.00	4,297.49	4,403.48	4,300.27	22.51	22.35	-102.55	4.52	870.49	90.25	45.70	44.55	2.026		
4,500.00	4,394.68	4,503.51	4,397.69	23.04	22.87	-103.02	4.24	892.95	92.35	46.76	45.58	2.026		
4,600.00	4,491.87	4,603.53	4,495.11	23.57	23.39	-103.46	3.96	915.41	94.45	47.84	46.61	2.026		
4,700.00	4,589.06	4,703.56	4,592.53	24.10	23.91	-103.88	3.69	937.87	96.55	48.92	47.64	2.027		
4,800.00	4,686.25	4,803.58	4,689.95	24.64	24.43	-104.28	3.41	960.34	98.66	50.00	48.66	2.027		
4,900.00	4,783.43	4,903.61	4,787.37	25.17	24.95	-104.67	3.13	982.80	100.78	51.09	49.69	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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,880.62	5,003.63	4,884.79	25.70	25.48	-105.04	2.85	1,005.26	102.90	52.18	50.72	2.029		
5,100.00	4,977.81	5,103.66	4,982.21	26.23	26.00	-105.40	2.57	1,027.72	105.02	53.28	51.75	2.030		
5,200.00	5,075.00	5,203.68	5,079.63	26.77	26.52	-105.74	2.29	1,050.18	107.15	54.38	52.77	2.030		
5,300.00	5,172.19	5,303.71	5,177.04	27.30	27.04	-106.07	2.02	1,072.64	109.28	55.48	53.80	2.031		
5,400.00	5,269.38	5,403.73	5,274.46	27.83	27.57	-106.39	1.74	1,095.10	111.42	56.59	54.83	2.032		
5,457.75	5,325.51	5,454.01	5,330.72	28.14	27.83	-106.56	1.58	1,108.08	112.65	57.27	55.38	2.034		
5,500.00	5,366.64	5,503.75	5,371.89	28.37	28.09	-106.56	1.46	1,117.57	113.47	57.60	55.86	2.031		
5,600.00	5,464.53	5,596.11	5,469.20	28.87	28.57	-105.35	1.18	1,139.97	114.72	57.81	56.91	2.016		
5,700.00	5,563.07	5,695.36	5,566.38	29.35	29.07	-103.56	0.93	1,160.14	115.53	57.57	57.97	1.993		
5,800.00	5,662.15	5,794.74	5,664.32	29.80	29.55	-101.80	0.72	1,176.96	116.17	57.20	58.97	1.970		
5,900.00	5,761.64	5,894.24	5,762.90	30.23	30.00	-100.07	0.56	1,190.38	116.64	56.71	59.92	1.946		
6,000.00	5,861.42	5,993.87	5,862.02	30.64	30.43	-98.35	0.43	1,200.38	116.91	56.10	60.82	1.922		
6,100.00	5,961.36	6,093.61	5,961.55	31.02	30.83	-96.64	0.35	1,206.93	117.01	55.34	61.67	1.897		
6,138.64	6,000.00	6,132.18	6,000.08	31.16	30.98	-0.47	0.33	1,208.54	116.99	55.01	61.98	1.888		
6,200.00	6,061.36	6,193.50	6,061.38	31.38	31.22	0.25	0.31	1,210.02	116.97	54.52	62.46	1.873		
6,249.93	6,111.29	6,243.42	6,111.29	31.56	31.40	0.38	0.31	1,210.28	116.97	54.15	62.82	1.862		
6,300.00	6,161.36	6,306.52	6,161.36	31.74	31.63	0.38	0.31	1,210.28	116.97	53.74	63.23	1.850		
6,400.00	6,261.36	6,406.52	6,261.36	32.10	31.99	0.38	0.31	1,210.28	116.97	53.01	63.96	1.829		
6,500.00	6,361.36	6,506.52	6,361.36	32.46	32.36	0.38	0.31	1,210.28	116.97	52.28	64.69	1.808		
6,562.02	6,423.38	6,555.50	6,423.38	32.68	32.54	0.38	0.31	1,210.28	116.97	51.88	65.09	1.797		
6,600.00	6,461.34	6,606.54	6,461.34	32.82	32.73	91.23	0.31	1,210.28	116.99	51.56	65.43	1.788		
6,650.00	6,511.08	6,643.20	6,511.08	32.99	32.86	93.62	0.31	1,210.28	117.20	51.41	65.79	1.781		
6,700.00	6,560.29	6,692.41	6,560.29	33.17	33.04	97.74	0.31	1,210.28	118.09	51.89	66.20	1.784		
6,750.00	6,608.64	6,740.92	6,608.80	33.36	33.22	103.33	0.31	1,210.26	120.49	53.96	66.53	1.811		
6,800.00	6,655.86	6,791.18	6,658.99	33.56	33.40	109.38	0.43	1,207.93	124.78	58.15	66.64	1.873		
6,850.00	6,701.64	6,842.66	6,710.05	33.78	33.58	114.93	0.76	1,201.46	130.66	64.20	66.46	1.966		
6,900.00	6,745.71	6,895.44	6,761.67	34.01	33.77	119.89	1.31	1,190.57	137.84	71.88	65.96	2.090		
6,950.00	6,787.79	6,949.58	6,813.51	34.27	33.99	124.23	2.10	1,174.99	146.03	80.92	65.11	2.243		
7,000.00	6,827.62	7,005.17	6,865.15	34.56	34.22	127.96	3.14	1,154.49	154.94	91.03	63.91	2.424		
7,050.00	6,864.96	7,062.26	6,916.11	34.87	34.49	131.12	4.44	1,128.84	164.29	101.91	62.39	2.633		
7,100.00	6,899.58	7,120.88	6,965.83	35.21	34.78	133.75	6.02	1,097.86	173.82	113.23	60.59	2.869		
7,150.00	6,931.26	7,181.08	7,013.69	35.60	35.13	135.90	7.86	1,061.45	183.30	124.70	58.60	3.128		
7,200.00	6,959.81	7,242.83	7,058.99	36.02	35.52	137.61	9.99	1,019.56	192.50	135.99	56.51	3.406		
7,250.00	6,985.06	7,306.12	7,100.98	36.47	35.97	138.94	12.39	972.31	201.25	146.76	54.48	3.694		
7,300.00	7,006.84	7,370.86	7,138.85	36.97	36.50	139.90	15.05	919.90	209.36	156.68	52.68	3.974		
7,350.00	7,025.02	7,436.96	7,171.82	37.51	37.10	140.53	17.95	862.72	216.70	165.41	51.29	4.225		
7,400.00	7,039.49	7,504.25	7,199.10	38.09	37.78	140.85	21.07	801.31	223.12	172.61	50.51	4.417		
7,450.00	7,050.17	7,572.55	7,220.00	38.70	38.55	140.88	24.37	736.42	228.54	178.02	50.51	4.524		
7,500.00	7,056.98	7,641.60	7,233.94	39.33	39.38	140.63	27.79	668.90	232.86	181.48	51.37	4.533		
7,550.00	7,059.89	7,711.15	7,240.50	39.99	40.27	140.11	31.30	599.79	236.04	182.94	53.10	4.445		
7,560.55	7,060.00	7,725.86	7,240.91	40.13	40.46	139.97	32.05	585.10	236.56	183.00	53.56	4.417		
7,600.00	7,060.09	7,767.97	7,241.05	40.67	41.03	139.54	34.18	543.05	238.01	183.13	54.88	4.337		
7,700.00	7,060.32	7,867.82	7,241.22	42.14	42.48	138.53	39.24	443.33	241.63	183.58	58.05	4.162		
7,800.00	7,060.55	7,967.66	7,241.39	43.75	44.07	137.54	44.31	343.62	245.32	183.90	61.43	3.994		
7,900.00	7,060.78	8,067.50	7,241.55	45.48	45.78	136.58	49.37	243.90	249.09	184.10	64.99	3.833		
8,000.00	7,061.01	8,167.35	7,241.72	47.33	47.60	135.65	54.43	144.19	252.93	184.19	68.74	3.680		
8,100.00	7,061.24	8,267.19	7,241.88	49.27	49.52	134.75	59.49	44.47	256.83	184.18	72.65	3.535		
8,200.00	7,061.47	8,367.03	7,242.05	51.29	51.52	133.87	64.56	-55.24	260.79	184.08	76.70	3.400		
8,300.00	7,061.70	8,466.88	7,242.22	53.40	53.61	133.03	69.62	-154.96	264.81	183.91	80.90	3.273		
8,400.00	7,061.93	8,566.72	7,242.38	55.57	55.77	132.20	74.68	-254.67	268.88	183.67	85.22	3.155		
8,500.00	7,062.16	8,666.56	7,242.55	57.80	57.99	131.41	79.74	-354.39	273.01	183.36	89.65	3.045		
8,600.00	7,062.39	8,766.41	7,242.72	60.08	60.26	130.63	84.81	-454.10	277.19	183.00	94.19	2.943		

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

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

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,062.63	8,866.25	7,242.88	62.42	62.58	129.88	89.87	-553.82	281.43	182.59	98.83	2.847		
8,800.00	7,062.86	8,966.09	7,243.05	64.79	64.95	129.15	94.93	-653.53	285.70	182.14	103.56	2.759		
8,900.00	7,063.09	9,065.94	7,243.21	67.20	67.35	128.45	99.99	-753.25	290.02	181.65	108.37	2.676		
9,000.00	7,063.32	9,165.78	7,243.38	69.65	69.79	127.76	105.05	-852.96	294.39	181.13	113.26	2.599		
9,100.00	7,063.55	9,265.62	7,243.55	72.12	72.26	127.09	110.12	-952.68	298.80	180.59	118.21	2.528		
9,200.00	7,063.78	9,365.47	7,243.71	74.63	74.76	126.45	115.18	-1,052.39	303.24	180.01	123.23	2.461		
9,300.00	7,064.01	9,465.31	7,243.88	77.16	77.29	125.82	120.24	-1,152.11	307.72	179.42	128.30	2.398		
9,400.00	7,064.24	9,565.15	7,244.04	79.71	79.84	125.21	125.30	-1,251.82	312.24	178.81	133.43	2.340		
9,500.00	7,064.47	9,665.00	7,244.21	82.28	82.41	124.62	130.37	-1,351.54	316.79	178.18	138.61	2.285		
9,600.00	7,064.70	9,764.84	7,244.38	84.87	85.00	124.04	135.43	-1,451.25	321.38	177.55	143.84	2.234		
9,700.00	7,064.93	9,864.68	7,244.54	87.47	87.60	123.48	140.49	-1,550.97	326.00	176.90	149.10	2.186		
9,800.00	7,065.16	9,964.53	7,244.71	90.09	90.23	122.94	145.55	-1,650.68	330.65	176.24	154.41	2.141		
9,900.00	7,065.39	10,064.37	7,244.88	92.73	92.86	122.41	150.61	-1,750.40	335.32	175.57	159.75	2.099		
10,000.00	7,065.62	10,164.21	7,245.04	95.38	95.51	121.90	155.68	-1,850.11	340.03	174.90	165.12	2.059		
10,100.00	7,065.85	10,264.06	7,245.21	98.04	98.18	121.40	160.74	-1,949.83	344.76	174.23	170.53	2.022		
10,200.00	7,066.08	10,363.90	7,245.37	100.71	100.85	120.91	165.80	-2,049.54	349.51	173.55	175.96	1.986		
10,300.00	7,066.31	10,463.75	7,245.54	103.39	103.53	120.44	170.86	-2,149.26	354.29	172.87	181.42	1.953		
10,400.00	7,066.54	10,563.59	7,245.71	106.08	106.23	119.97	175.93	-2,248.97	359.10	172.19	186.90	1.921		
10,500.00	7,066.77	10,663.43	7,245.87	108.78	108.93	119.53	180.99	-2,348.69	363.92	171.51	192.41	1.891		
10,600.00	7,067.01	10,763.28	7,246.04	111.48	111.64	119.09	186.05	-2,448.40	368.77	170.84	197.94	1.863		
10,700.00	7,067.24	10,863.12	7,246.21	114.20	114.36	118.66	191.11	-2,548.12	373.64	170.16	203.48	1.836		
10,800.00	7,067.47	10,962.96	7,246.37	116.92	117.09	118.25	196.18	-2,647.83	378.53	169.48	209.05	1.811		
10,900.00	7,067.70	11,062.81	7,246.54	119.65	119.82	117.85	201.24	-2,747.54	383.44	168.81	214.63	1.787		
11,000.00	7,067.93	11,162.65	7,246.70	122.38	122.56	117.45	206.30	-2,847.26	388.36	168.14	220.22	1.764		
11,100.00	7,068.16	11,262.49	7,246.87	125.12	125.30	117.07	211.36	-2,946.97	393.31	167.48	225.83	1.742		
11,200.00	7,068.39	11,365.45	7,247.04	127.86	128.14	116.69	216.47	-3,046.81	398.19	166.60	231.59	1.719		
11,300.00	7,068.62	11,479.65	7,247.24	130.61	131.28	116.48	218.99	-3,163.97	400.60	163.25	237.35	1.688		
11,400.00	7,068.85	11,593.91	7,247.44	133.37	134.41	116.57	216.95	-3,278.20	399.45	157.14	242.31	1.648		
11,500.00	7,069.08	11,707.10	7,247.62	136.12	137.50	116.75	213.49	-3,377.13	396.77	149.46	247.30	1.604		
11,600.00	7,069.31	11,807.15	7,247.81	138.89	140.24	116.94	209.98	-3,477.02	394.08	142.16	251.93	1.564		
11,700.00	7,069.54	11,907.19	7,247.99	141.65	142.99	117.13	206.48	-3,576.92	391.40	134.87	256.53	1.526		
11,800.00	7,069.77	11,992.76	7,248.17	144.42	145.34	117.32	202.97	-3,676.81	388.73	127.96	260.77	1.491 Level 3		
11,900.00	7,070.00	12,092.72	7,248.35	147.19	148.08	117.52	199.46	-3,776.71	386.06	120.72	265.34	1.455 Level 3		
12,000.00	7,070.23	12,207.33	7,248.54	149.97	151.24	117.72	195.96	-3,876.60	383.39	113.13	270.26	1.419 Level 3		
12,100.00	7,070.46	12,292.63	7,248.72	152.75	153.59	117.92	192.45	-3,976.49	380.73	106.30	274.43	1.387 Level 3		
12,200.00	7,070.69	12,407.41	7,248.90	155.53	156.76	118.13	188.95	-4,076.39	378.08	98.76	279.31	1.354 Level 3		
12,300.00	7,070.92	12,507.46	7,249.08	158.32	159.53	118.34	185.44	-4,176.28	375.42	91.61	283.81	1.323 Level 3		
12,400.00	7,071.16	12,607.50	7,249.26	161.10	162.29	118.55	181.94	-4,276.17	372.78	84.49	288.29	1.293 Level 3		
12,500.00	7,071.39	12,707.55	7,249.45	163.89	165.06	118.76	178.43	-4,376.07	370.14	77.40	292.74	1.264 Level 3		
12,600.00	7,071.62	12,807.59	7,249.63	166.69	167.84	118.98	174.93	-4,475.96	367.50	70.33	297.17	1.237 Level 2		
12,700.00	7,071.85	12,907.64	7,249.81	169.48	170.61	119.20	171.42	-4,575.86	364.87	63.30	301.57	1.210 Level 2		
12,800.00	7,072.08	12,992.32	7,249.99	172.28	172.96	119.42	167.91	-4,675.75	362.24	56.68	305.56	1.185 Level 2		
12,900.00	7,072.31	13,092.27	7,250.18	175.08	175.74	119.65	164.41	-4,775.64	359.62	49.71	309.91	1.160 Level 2		
13,000.00	7,072.54	13,207.77	7,250.36	177.88	178.95	119.88	160.90	-4,875.54	357.01	42.40	314.61	1.135 Level 2		
13,100.00	7,072.77	13,307.82	7,250.54	180.68	181.74	120.11	157.40	-4,975.43	354.40	35.50	318.90	1.111 Level 2		
13,200.00	7,073.00	13,407.86	7,250.72	183.48	184.53	120.35	153.89	-5,075.33	351.80	28.64	323.16	1.089 Level 2		
13,300.00	7,073.23	13,492.10	7,250.91	186.29	186.87	120.59	150.39	-5,175.22	349.20	22.21	327.00	1.068 Level 2		
13,400.00	7,073.46	13,607.95	7,251.09	189.09	190.10	120.84	146.88	-5,275.11	346.61	15.04	331.58	1.045 Level 2		
13,500.00	7,073.69	13,707.99	7,251.27	191.90	192.90	121.08	143.38	-5,375.01	344.03	8.30	335.74	1.025 Level 2		
13,600.00	7,073.92	13,808.04	7,251.45	194.71	195.69	121.33	139.87	-5,474.90	341.45	1.60	339.86	1.005 Level 2		
13,700.00	7,074.15	13,908.08	7,251.64	197.52	198.49	121.59	136.36	-5,574.79	338.88	-5.06	343.94	0.985 Level 1		
13,800.00	7,074.38	14,008.13	7,251.82	200.34	201.28	121.85	132.86	-5,674.69	336.32	-11.67	347.99	0.966 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	14,108.17	7,252.00	203.15	204.08	122.11	129.35	-5,774.58	333.76	-18.23	352.00	0.948	Level 1	
14,000.00	7,074.84	14,208.22	7,252.18	205.97	206.88	122.38	125.85	-5,874.48	331.22	-24.75	355.96	0.930	Level 1	
14,100.00	7,075.07	14,308.26	7,252.36	208.78	209.68	122.65	122.34	-5,974.37	328.67	-31.21	359.89	0.913	Level 1	
14,200.00	7,075.30	14,391.70	7,252.55	211.60	212.02	122.93	118.84	-6,074.26	326.14	-37.23	363.37	0.898	Level 1	
14,300.00	7,075.54	14,508.35	7,252.73	214.42	215.29	123.21	115.33	-6,174.16	323.61	-43.99	367.60	0.880	Level 1	
14,400.00	7,075.77	14,608.39	7,252.91	217.24	218.09	123.49	111.83	-6,274.05	321.09	-50.29	371.39	0.865	Level 1	
14,500.00	7,076.00	14,708.44	7,253.09	220.06	220.90	123.78	108.32	-6,373.95	318.58	-56.54	375.13	0.849	Level 1	
14,600.00	7,076.23	14,808.48	7,253.28	222.88	223.70	124.07	104.81	-6,473.84	316.08	-62.73	378.81	0.834	Level 1	
14,700.00	7,076.46	14,908.53	7,253.46	225.70	226.51	124.37	101.31	-6,573.73	313.59	-68.86	382.45	0.820	Level 1	
14,800.00	7,076.69	15,008.57	7,253.64	228.53	229.32	124.67	97.80	-6,673.63	311.10	-74.93	386.03	0.806	Level 1	
14,900.00	7,076.92	15,108.62	7,253.82	231.35	232.13	124.98	94.30	-6,773.52	308.62	-80.93	389.55	0.792	Level 1	
15,000.00	7,077.15	15,208.66	7,254.01	234.18	234.94	125.30	90.79	-6,873.41	306.16	-86.87	393.02	0.779	Level 1	
15,100.00	7,077.38	15,308.71	7,254.19	237.00	237.75	125.61	87.29	-6,973.31	303.70	-92.73	396.43	0.766	Level 1	
15,200.00	7,077.61	15,408.75	7,254.37	239.83	240.56	125.94	83.78	-7,073.20	301.25	-98.53	399.78	0.754	Level 1	
15,300.00	7,077.84	15,508.79	7,254.55	242.66	243.38	126.26	80.28	-7,173.10	298.81	-104.25	403.06	0.741	Level 1	
15,400.00	7,078.07	15,608.84	7,254.73	245.49	246.19	126.60	76.77	-7,272.99	296.38	-109.90	406.28	0.729	Level 1	
15,500.00	7,078.30	15,708.88	7,254.92	248.31	249.01	126.94	73.26	-7,372.88	293.96	-115.47	409.43	0.718	Level 1	
15,600.00	7,078.53	15,808.93	7,255.10	251.14	251.82	127.28	69.76	-7,472.78	291.55	-120.96	412.51	0.707	Level 1	
15,700.00	7,078.76	15,908.97	7,255.28	253.97	254.64	127.63	66.25	-7,572.67	289.15	-126.36	415.52	0.696	Level 1	
15,800.00	7,078.99	15,990.98	7,255.46	256.80	256.95	127.99	62.75	-7,672.56	286.77	-131.27	418.04	0.686	Level 1	
15,900.00	7,079.22	16,109.06	7,255.65	259.64	260.27	128.35	59.24	-7,772.46	284.39	-136.92	421.31	0.675	Level 1	
16,000.00	7,079.45	16,209.11	7,255.83	262.47	263.09	128.72	55.74	-7,872.35	282.03	-142.06	424.09	0.665	Level 1	
16,100.00	7,079.69	16,309.15	7,256.01	265.30	265.91	129.09	52.23	-7,972.25	279.68	-147.11	426.78	0.655	Level 1	
16,200.00	7,079.92	16,409.20	7,256.19	268.13	268.73	129.47	48.73	-8,072.14	277.34	-152.06	429.39	0.646	Level 1	
16,300.00	7,080.15	16,509.24	7,256.38	270.97	271.55	129.86	45.22	-8,172.03	275.01	-156.91	431.92	0.637	Level 1	
16,400.00	7,080.38	16,609.28	7,256.56	273.80	274.37	130.26	41.71	-8,271.93	272.69	-161.66	434.35	0.628	Level 1	
16,500.00	7,080.61	16,709.33	7,256.74	276.64	277.20	130.66	38.21	-8,371.82	270.39	-166.30	436.69	0.619	Level 1	
16,600.00	7,080.84	16,809.37	7,256.92	279.47	280.02	131.06	34.70	-8,471.72	268.10	-170.83	438.94	0.611	Level 1	
16,700.00	7,081.07	16,909.42	7,257.11	282.31	282.84	131.48	31.20	-8,571.61	265.83	-175.26	441.08	0.603	Level 1	
16,800.00	7,081.30	17,009.46	7,257.29	285.14	285.66	131.90	27.69	-8,671.50	263.57	-179.56	443.13	0.595	Level 1	
16,900.00	7,081.53	17,109.51	7,257.47	287.98	288.49	132.33	24.19	-8,771.40	261.32	-183.75	445.07	0.587	Level 1	
17,000.00	7,081.76	17,190.45	7,257.65	290.82	290.77	132.77	20.68	-8,871.29	259.09	-187.40	446.49	0.580	Level 1	
17,100.00	7,081.99	17,290.40	7,257.83	293.65	293.59	133.21	17.18	-8,971.18	256.88	-191.33	448.21	0.573	Level 1	
17,200.00	7,082.22	17,409.64	7,258.02	296.49	296.96	133.66	13.67	-9,071.08	254.68	-195.55	450.23	0.566	Level 1	
17,300.00	7,082.45	17,490.32	7,258.20	299.33	299.24	134.12	10.16	-9,170.97	252.49	-198.81	451.31	0.559	Level 1	
17,400.00	7,082.68	17,609.73	7,258.38	302.17	302.61	134.59	6.66	-9,270.87	250.33	-202.76	453.09	0.552	Level 1	
17,500.00	7,082.91	17,709.77	7,258.56	305.01	305.44	135.06	3.15	-9,370.76	248.18	-206.15	454.33	0.546	Level 1	
17,600.00	7,083.14	17,809.82	7,258.75	307.85	308.27	135.55	-0.35	-9,470.65	246.04	-209.40	455.44	0.540	Level 1	
17,700.00	7,083.37	17,909.86	7,258.93	310.69	311.09	136.04	-3.86	-9,570.55	243.93	-212.50	456.42	0.534	Level 1	
17,800.00	7,083.60	18,009.91	7,259.11	313.53	313.92	136.54	-7.36	-9,670.44	241.83	-215.44	457.27	0.529	Level 1	
17,900.00	7,083.84	18,109.95	7,259.29	316.37	316.75	137.05	-10.87	-9,770.34	239.75	-218.23	457.98	0.524	Level 1	
18,000.00	7,084.07	18,210.00	7,259.48	319.21	319.58	137.57	-14.37	-9,870.23	237.69	-220.85	458.54	0.518	Level 1	
18,100.00	7,084.30	18,289.96	7,259.66	322.05	321.84	138.10	-17.88	-9,970.12	235.65	-222.90	458.56	0.514	Level 1	
18,200.00	7,084.53	18,389.91	7,259.84	324.89	324.67	138.63	-21.39	-10,070.02	233.64	-225.19	458.83	0.509	Level 1	
18,300.00	7,084.76	18,489.87	7,260.02	327.73	327.49	139.18	-24.89	-10,169.91	231.64	-227.30	458.94	0.505	Level 1	
18,400.00	7,084.99	18,589.83	7,260.20	330.57	330.32	139.73	-28.40	-10,269.80	229.66	-229.24	458.90	0.500	Level 1	
18,500.00	7,085.22	18,689.78	7,260.39	333.41	333.15	140.30	-31.90	-10,369.70	227.71	-230.99	458.70	0.496	Level 1	
18,600.00	7,085.45	18,789.74	7,260.57	336.26	335.98	140.87	-35.41	-10,469.59	225.78	-232.55	458.33	0.493	Level 1	
18,700.00	7,085.68	18,889.69	7,260.75	339.10	338.80	141.46	-38.91	-10,569.49	223.87	-233.93	457.79	0.489	Level 1	
18,800.00	7,085.91	18,989.65	7,260.93	341.94	341.63	142.05	-42.42	-10,669.38	221.98	-235.10	457.09	0.486	Level 1	
18,839.14	7,086.00	19,025.91	7,261.00	343.06	342.66	142.27	-43.69	-10,705.62	221.27	-235.55	456.82	0.484	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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	30.24	0.28	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	30.24	0.28	30.24	23.67	6.57	4.604		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	30.24	0.28	30.24	23.57	6.67	4.531 CC		
300.00	299.77	299.77	299.75	3.44	3.44	3.73	30.54	1.99	30.61	23.72	6.89	4.444		
400.00	399.98	399.39	399.23	3.60	3.60	-85.82	31.45	7.11	32.08	24.87	7.20	4.454		
500.00	499.84	498.87	498.33	3.80	3.80	-80.90	32.95	15.62	34.75	27.14	7.61	4.567		
600.00	599.45	598.21	596.93	4.04	4.05	-77.20	35.04	27.49	38.51	30.41	8.10	4.753		
700.00	698.70	697.39	694.89	4.31	4.33	-74.67	37.72	42.69	43.24	34.57	8.67	4.985		
800.00	797.47	803.51	792.19	4.62	4.68	-73.12	40.98	61.19	48.85	39.52	9.34	5.233		
900.00	895.62	903.67	889.96	4.97	5.03	-74.17	44.50	81.15	54.21	44.18	10.03	5.407		
980.89	974.49	977.07	969.02	5.27	5.31	-77.31	47.35	97.29	57.94	47.34	10.60	5.468		
1,000.00	993.07	1,003.86	987.69	5.34	5.41	-78.27	48.02	101.10	58.79	48.02	10.77	5.458		
1,100.00	1,090.26	1,095.91	1,085.38	5.75	5.78	-82.84	51.53	121.04	63.49	51.95	11.54	5.503		
1,200.00	1,187.45	1,204.32	1,183.08	6.17	6.23	-86.76	55.05	140.98	68.53	56.13	12.41	5.524		
1,300.00	1,284.64	1,304.55	1,280.77	6.62	6.66	-90.13	58.57	160.92	73.86	60.58	13.27	5.565		
1,400.00	1,381.83	1,404.78	1,378.47	7.07	7.10	-93.04	62.08	180.86	79.40	65.24	14.16	5.607		
1,500.00	1,479.01	1,505.01	1,476.16	7.54	7.55	-95.57	65.60	200.81	85.12	70.05	15.07	5.649		
1,600.00	1,576.20	1,594.76	1,573.85	8.02	7.95	-97.77	69.12	220.75	90.98	75.04	15.94	5.708		
1,700.00	1,673.39	1,705.47	1,671.55	8.50	8.46	-99.71	72.63	240.69	96.97	80.05	16.92	5.731		
1,800.00	1,770.58	1,805.69	1,769.24	8.99	8.93	-101.42	76.15	260.63	103.05	85.19	17.86	5.770		
1,900.00	1,867.77	1,905.92	1,866.94	9.48	9.40	-102.93	79.66	280.57	109.21	90.40	18.81	5.806		
2,000.00	1,964.96	2,006.15	1,964.63	9.98	9.87	-104.29	83.18	300.51	115.44	95.67	19.76	5.841		
2,100.00	2,062.15	2,106.38	2,062.32	10.49	10.35	-105.50	86.70	320.46	121.73	101.00	20.72	5.873		
2,200.00	2,159.34	2,206.61	2,160.02	10.99	10.83	-106.60	90.21	340.40	128.06	106.37	21.69	5.904		
2,300.00	2,256.53	2,306.84	2,257.71	11.50	11.31	-107.59	93.73	360.34	134.44	111.78	22.66	5.933		
2,400.00	2,353.71	2,407.07	2,355.41	12.01	11.79	-108.49	97.25	380.28	140.86	117.22	23.63	5.960		
2,500.00	2,450.90	2,507.30	2,453.10	12.53	12.28	-109.32	100.76	400.22	147.30	122.70	24.61	5.986		
2,600.00	2,548.09	2,592.47	2,550.79	13.04	12.69	-110.07	104.28	420.16	153.78	128.27	25.51	6.027		
2,700.00	2,645.28	2,707.76	2,648.49	13.56	13.26	-110.76	107.79	440.11	160.28	133.71	26.57	6.033		
2,800.00	2,742.47	2,807.99	2,746.18	14.08	13.75	-111.40	111.31	460.05	166.80	139.25	27.55	6.054		
2,900.00	2,839.66	2,908.22	2,843.88	14.60	14.24	-111.99	114.83	479.99	173.34	144.80	28.54	6.074		
3,000.00	2,936.85	3,008.45	2,941.57	15.12	14.73	-112.54	118.34	499.93	179.90	150.37	29.52	6.093		
3,100.00	3,034.04	3,108.68	3,039.27	15.65	15.22	-113.05	121.86	519.87	186.47	155.96	30.51	6.111		
3,200.00	3,131.22	3,208.91	3,136.96	16.17	15.72	-113.53	125.38	539.81	193.05	161.55	31.50	6.128		
3,300.00	3,228.41	3,290.86	3,234.65	16.69	16.12	-113.97	128.89	559.76	199.65	167.25	32.40	6.162		
3,400.00	3,325.60	3,390.63	3,332.35	17.22	16.62	-114.38	132.41	579.70	206.26	172.87	33.39	6.177		
3,500.00	3,422.79	3,509.60	3,430.04	17.75	17.21	-114.77	135.92	599.64	212.88	178.40	34.48	6.174		
3,600.00	3,519.98	3,609.82	3,527.74	18.27	17.70	-115.14	139.44	619.58	219.51	184.04	35.47	6.188		
3,700.00	3,617.17	3,689.95	3,625.43	18.80	18.10	-115.48	142.96	639.52	226.15	189.78	36.37	6.218		
3,800.00	3,714.36	3,789.72	3,723.12	19.33	18.60	-115.81	146.47	659.46	232.79	195.43	37.36	6.231		
3,900.00	3,811.55	3,889.49	3,820.82	19.86	19.09	-116.11	149.99	679.40	239.44	201.09	38.36	6.242		
4,000.00	3,908.74	3,989.26	3,918.51	20.39	19.59	-116.40	153.51	699.35	246.10	206.75	39.35	6.254		
4,100.00	4,005.92	4,089.03	4,016.21	20.92	20.09	-116.68	157.02	719.29	252.76	212.42	40.35	6.265		
4,200.00	4,103.11	4,188.80	4,113.90	21.45	20.58	-116.94	160.54	739.23	259.43	218.09	41.34	6.275		
4,300.00	4,200.30	4,288.57	4,211.59	21.98	21.08	-117.19	164.05	759.17	266.11	223.77	42.34	6.285		
4,400.00	4,297.49	4,388.34	4,309.29	22.51	21.58	-117.42	167.57	779.11	272.79	229.45	43.34	6.294		
4,500.00	4,394.68	4,488.11	4,406.98	23.04	22.08	-117.65	171.09	799.05	279.47	235.13	44.34	6.303		
4,600.00	4,491.87	4,587.88	4,504.68	23.57	22.58	-117.86	174.60	819.00	286.16	240.82	45.34	6.312		
4,700.00	4,589.06	4,687.65	4,602.37	24.10	23.08	-118.06	178.12	838.94	292.85	246.52	46.33	6.320		
4,800.00	4,686.25	4,787.42	4,700.06	24.64	23.57	-118.26	181.64	858.88	299.55	252.21	47.33	6.328		
4,900.00	4,783.43	4,887.19	4,797.76	25.17	24.07	-118.44	185.15	878.82	306.24	257.91	48.33	6.336		
5,000.00	4,880.62	4,986.96	4,895.45	25.70	24.57	-118.62	188.67	898.76	312.95	263.61	49.33	6.343		

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

Offset Design													Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,100.00	4,977.81	5,086.73	4,993.15	26.23	25.07	-118.79	192.18	918.70	319.65	269.32	50.33	6.350					
5,200.00	5,075.00	5,186.50	5,090.84	26.77	25.57	-118.96	195.70	938.65	326.36	275.02	51.34	6.357					
5,300.00	5,172.19	5,286.28	5,188.54	27.30	26.07	-119.11	199.22	958.59	333.07	280.73	52.34	6.364					
5,400.00	5,269.38	5,386.05	5,286.23	27.83	26.57	-119.26	202.73	978.53	339.78	286.44	53.34	6.370					
5,457.75	5,325.51	5,443.67	5,342.65	28.14	26.86	-119.35	204.76	990.05	343.66	289.74	53.92	6.374					
5,500.00	5,366.64	5,485.83	5,383.93	28.37	27.07	-119.41	206.25	998.47	346.34	292.00	54.34	6.374					
5,600.00	5,464.53	5,585.67	5,481.70	28.87	27.58	-119.18	209.77	1,018.43	351.48	296.13	55.35	6.350					
5,700.00	5,563.07	5,685.48	5,579.44	29.35	28.08	-118.45	213.29	1,038.38	354.96	298.60	56.36	6.298					
5,800.00	5,662.15	5,785.14	5,677.02	29.80	28.58	-117.20	216.80	1,058.30	356.90	299.52	57.38	6.220					
5,900.00	5,761.64	5,884.53	5,774.34	30.23	29.08	-115.46	220.30	1,078.16	357.51	299.10	58.40	6.121					
6,000.00	5,861.42	5,983.52	5,871.26	30.64	29.57	-113.20	223.79	1,097.95	357.06	297.63	59.43	6.008					
6,100.00	5,961.36	6,081.99	5,967.69	31.02	30.07	-110.44	227.26	1,117.63	355.94	295.50	60.45	5.888					
6,138.64	6,000.00	6,119.87	6,004.78	31.16	30.26	-13.72	228.60	1,125.20	355.43	294.59	60.84	5.842					
6,200.00	6,061.36	6,179.96	6,063.62	31.38	30.56	-11.76	230.71	1,137.21	354.82	293.37	61.45	5.774					
6,254.69	6,116.06	6,233.51	6,116.06	31.57	30.83	-10.00	232.60	1,147.92	354.65	292.66	61.99	5.721					
6,300.00	6,161.36	6,277.87	6,159.50	31.74	31.05	-8.55	234.16	1,156.78	354.77	292.33	62.43	5.682					
6,400.00	6,261.36	6,375.79	6,255.38	32.10	31.55	-5.34	237.62	1,176.35	355.87	292.48	63.39	5.614					
6,500.00	6,361.36	6,473.71	6,351.26	32.46	32.04	-2.17	241.07	1,195.93	358.13	293.80	64.33	5.567					
6,562.02	6,423.38	6,533.75	6,410.31	32.68	32.33	-0.49	243.22	1,206.45	360.13	295.26	64.87	5.551					
6,600.00	6,461.34	6,570.90	6,447.23	32.82	32.49	90.47	244.63	1,210.28	361.58	296.39	65.18	5.547					
6,650.00	6,511.08	6,620.23	6,496.48	32.99	32.69	91.32	246.57	1,212.03	363.66	298.09	65.57	5.546					
6,700.00	6,560.29	6,670.09	6,546.24	33.17	32.87	92.16	248.62	1,209.92	365.94	299.99	65.95	5.548					
6,750.00	6,608.64	6,720.47	6,596.19	33.36	33.05	92.99	250.75	1,203.84	368.42	302.07	66.34	5.553					
6,800.00	6,655.86	6,771.40	6,646.03	33.56	33.24	93.78	252.96	1,193.69	371.05	304.31	66.75	5.559					
6,850.00	6,701.64	6,822.89	6,695.44	33.78	33.44	94.54	255.24	1,179.41	373.83	306.67	67.16	5.566					
6,900.00	6,745.71	6,874.94	6,744.04	34.01	33.65	95.27	257.58	1,160.96	376.73	309.13	67.60	5.573					
6,950.00	6,787.79	6,927.58	6,791.49	34.27	33.88	95.96	259.95	1,138.33	379.72	311.66	68.06	5.579					
7,000.00	6,827.62	6,980.78	6,837.38	34.56	34.14	96.60	262.35	1,111.55	382.77	314.23	68.54	5.584					
7,050.00	6,864.96	7,034.55	6,881.33	34.87	34.42	97.20	264.75	1,080.68	385.85	316.79	69.06	5.587					
7,100.00	6,899.58	7,088.89	6,922.92	35.21	34.73	97.74	267.14	1,045.83	388.91	319.30	69.61	5.587					
7,150.00	6,931.26	7,143.76	6,961.76	35.60	35.08	98.22	269.50	1,007.17	391.94	321.72	70.22	5.582					
7,200.00	6,959.81	7,199.15	6,997.44	36.02	35.47	98.65	271.80	964.89	394.89	324.00	70.89	5.571					
7,250.00	6,985.06	7,255.02	7,029.57	36.47	35.91	99.01	274.04	919.25	397.73	326.09	71.64	5.552					
7,300.00	7,006.84	7,311.34	7,057.78	36.97	36.40	99.31	276.17	870.58	400.42	327.94	72.48	5.524					
7,350.00	7,025.02	7,368.05	7,081.74	37.51	36.94	99.55	278.19	819.23	402.95	329.52	73.43	5.488					
7,400.00	7,039.49	7,425.12	7,101.13	38.09	37.54	99.72	280.08	765.62	405.27	330.79	74.48	5.441					
7,450.00	7,050.17	7,482.47	7,115.71	38.70	38.19	99.82	281.81	710.20	407.36	331.72	75.64	5.386					
7,500.00	7,056.98	7,540.05	7,125.28	39.33	38.87	99.85	283.36	653.46	409.20	332.31	76.90	5.321					
7,550.00	7,059.89	7,597.78	7,129.69	39.99	39.60	99.82	284.72	595.93	410.78	332.54	78.25	5.250					
7,560.55	7,060.00	7,609.98	7,129.95	40.13	39.75	99.81	284.99	583.74	411.08	332.54	78.54	5.234					
7,600.00	7,060.09	7,650.29	7,130.06	40.67	40.29	99.78	285.82	543.44	412.09	332.47	79.62	5.176					
7,700.00	7,060.32	7,750.25	7,130.26	42.14	41.72	99.72	287.89	443.50	414.64	332.14	82.50	5.026					
7,800.00	7,060.55	7,850.22	7,130.45	43.75	43.28	99.65	289.96	343.55	417.19	331.53	85.65	4.871					
7,900.00	7,060.78	7,950.19	7,130.65	45.48	44.97	99.59	292.02	243.61	419.74	330.68	89.06	4.713					
8,000.00	7,061.01	8,050.15	7,130.84	47.33	46.77	99.52	294.09	143.66	422.29	329.60	92.68	4.556					
8,100.00	7,061.24	8,150.12	7,131.03	49.27	48.68	99.46	296.16	43.72	424.84	328.33	96.51	4.402					
8,200.00	7,061.47	8,250.08	7,131.23	51.29	50.68	99.40	298.23	-56.23	427.39	326.88	100.50	4.252					
8,300.00	7,061.70	8,350.05	7,131.42	53.40	52.75	99.34	300.29	-156.17	429.94	325.28	104.66	4.108					
8,400.00	7,061.93	8,450.02	7,131.61	55.57	54.90	99.28	302.36	-256.12	432.49	323.55	108.95	3.970					
8,500.00	7,062.16	8,549.98	7,131.81	57.80	57.11	99.22	304.43	-356.06	435.05	321.69	113.36	3.838					
8,600.00	7,062.39	8,649.95	7,132.00	60.08	59.38	99.16	306.50	-456.01	437.60	319.72	117.88	3.712					
8,700.00	7,062.63	8,749.92	7,132.20	62.42	61.70	99.10	308.56	-555.95	440.15	317.66	122.50	3.593					

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,062.86	8,849.88	7,132.39	64.79	64.06	99.04	310.63	-655.90	442.71	315.51	127.20	3.480		
8,900.00	7,063.09	8,949.85	7,132.58	67.20	66.46	98.99	312.70	-755.84	445.26	313.28	131.98	3.374		
9,000.00	7,063.32	9,049.82	7,132.78	69.65	68.90	98.93	314.77	-855.79	447.82	310.98	136.83	3.273		
9,100.00	7,063.55	9,149.78	7,132.97	72.12	71.37	98.87	316.84	-955.73	450.37	308.63	141.74	3.173		
9,200.00	7,063.78	9,249.75	7,133.16	74.63	73.86	98.82	318.90	-1,055.68	452.93	306.21	146.71	3.087		
9,300.00	7,064.01	9,349.71	7,133.36	77.16	76.39	98.76	320.97	-1,155.62	455.48	303.75	151.73	3.002		
9,400.00	7,064.24	9,449.68	7,133.55	79.71	78.93	98.71	323.04	-1,255.56	458.04	301.24	156.80	2.921		
9,500.00	7,064.47	9,549.65	7,133.75	82.28	81.50	98.66	325.11	-1,355.51	460.60	298.69	161.91	2.845		
9,600.00	7,064.70	9,649.61	7,133.94	84.87	84.09	98.60	327.17	-1,455.45	463.15	296.10	167.05	2.773		
9,700.00	7,064.93	9,749.58	7,134.13	87.47	86.69	98.55	329.24	-1,555.40	465.71	293.48	172.23	2.704		
9,800.00	7,065.16	9,849.55	7,134.33	90.09	89.31	98.50	331.31	-1,655.34	468.27	290.83	177.44	2.639		
9,900.00	7,065.39	9,949.51	7,134.52	92.73	91.95	98.45	333.38	-1,755.29	470.83	288.15	182.68	2.577		
10,000.00	7,065.62	10,049.48	7,134.72	95.38	94.60	98.40	335.44	-1,855.23	473.39	285.44	187.95	2.519		
10,100.00	7,065.85	10,149.45	7,134.91	98.04	97.26	98.35	337.51	-1,955.18	475.95	282.71	193.24	2.463		
10,200.00	7,066.08	10,249.41	7,135.10	100.71	99.93	98.30	339.58	-2,055.12	478.51	279.95	198.56	2.410		
10,300.00	7,066.31	10,349.38	7,135.30	103.39	102.61	98.25	341.65	-2,155.07	481.07	277.17	203.89	2.359		
10,400.00	7,066.54	10,449.35	7,135.49	106.08	105.30	98.20	343.71	-2,255.01	483.63	274.38	209.25	2.311		
10,500.00	7,066.77	10,549.31	7,135.68	108.78	108.01	98.15	345.78	-2,354.96	486.19	271.57	214.62	2.265		
10,600.00	7,067.01	10,649.28	7,135.88	111.48	110.71	98.11	347.85	-2,454.90	488.75	268.74	220.01	2.221		
10,700.00	7,067.24	10,749.24	7,136.07	114.20	113.43	98.06	349.92	-2,554.85	491.31	265.89	225.42	2.180		
10,800.00	7,067.47	10,849.21	7,136.27	116.92	116.16	98.01	351.98	-2,654.79	493.87	263.04	230.84	2.139		
10,900.00	7,067.70	10,949.18	7,136.46	119.65	118.89	97.97	354.05	-2,754.74	496.43	260.16	236.27	2.101		
11,000.00	7,067.93	11,049.14	7,136.65	122.38	121.62	97.92	356.12	-2,854.68	499.00	257.28	241.72	2.064		
11,100.00	7,068.16	11,149.11	7,136.85	125.12	124.37	97.88	358.19	-2,954.63	501.56	254.38	247.17	2.029		
11,200.00	7,068.39	11,249.08	7,137.04	127.86	127.11	97.83	360.26	-3,054.57	504.12	251.48	252.64	1.995		
11,300.00	7,068.62	11,349.04	7,137.23	130.61	129.87	97.79	362.32	-3,154.52	506.68	248.56	258.12	1.963		
11,400.00	7,068.85	11,449.01	7,137.43	133.37	132.62	97.75	364.39	-3,254.46	509.25	245.63	263.61	1.932		
11,500.00	7,069.08	11,548.98	7,137.62	136.12	135.39	97.70	366.46	-3,354.41	511.81	242.70	269.11	1.902		
11,600.00	7,069.31	11,648.94	7,137.82	138.89	138.15	97.66	368.53	-3,454.35	514.37	239.76	274.62	1.873		
11,700.00	7,069.54	11,748.91	7,138.01	141.65	140.92	97.62	370.59	-3,554.30	516.94	236.80	280.14	1.845		
11,800.00	7,069.77	11,848.87	7,138.20	144.42	143.70	97.58	372.66	-3,654.24	519.50	233.85	285.66	1.819		
11,900.00	7,070.00	11,948.84	7,138.40	147.19	146.48	97.53	374.73	-3,754.19	522.07	230.88	291.19	1.793		
12,000.00	7,070.23	12,048.81	7,138.59	149.97	149.26	97.49	376.80	-3,854.13	524.63	227.91	296.73	1.768		
12,100.00	7,070.46	12,148.77	7,138.79	152.75	152.04	97.45	378.86	-3,954.08	527.20	224.93	302.27	1.744		
12,200.00	7,070.69	12,248.74	7,138.98	155.53	154.83	97.41	380.93	-4,054.02	529.77	221.94	307.82	1.721		
12,300.00	7,070.92	12,348.71	7,139.17	158.32	157.62	97.37	383.00	-4,153.96	532.33	218.95	313.38	1.699		
12,400.00	7,071.16	12,448.67	7,139.37	161.10	160.41	97.33	385.07	-4,253.91	534.90	215.95	318.94	1.677		
12,500.00	7,071.39	12,548.64	7,139.56	163.89	163.21	97.29	387.13	-4,353.85	537.46	212.95	324.51	1.656		
12,600.00	7,071.62	12,648.61	7,139.75	166.69	166.00	97.25	389.20	-4,453.80	540.03	209.94	330.09	1.636		
12,700.00	7,071.85	12,748.57	7,139.95	169.48	168.80	97.22	391.27	-4,553.74	542.60	206.93	335.66	1.616		
12,800.00	7,072.08	12,848.54	7,140.14	172.28	171.61	97.18	393.34	-4,653.69	545.16	203.92	341.25	1.598		
12,900.00	7,072.31	12,948.51	7,140.34	175.08	174.41	97.14	395.40	-4,753.63	547.73	200.90	346.83	1.579		
13,000.00	7,072.54	13,048.47	7,140.53	177.88	177.22	97.10	397.47	-4,853.58	550.30	197.87	352.43	1.561		
13,100.00	7,072.77	13,148.44	7,140.72	180.68	180.02	97.07	399.54	-4,953.52	552.87	194.85	358.02	1.544		
13,200.00	7,073.00	13,248.40	7,140.92	183.48	182.83	97.03	401.61	-5,053.47	555.44	191.81	363.62	1.528		
13,300.00	7,073.23	13,348.37	7,141.11	186.29	185.64	96.99	403.67	-5,153.41	558.00	188.78	369.23	1.511		
13,400.00	7,073.46	13,448.34	7,141.31	189.09	188.46	96.96	405.74	-5,253.36	560.57	185.74	374.83	1.496 Level 3		
13,500.00	7,073.69	13,548.30	7,141.50	191.90	191.27	96.92	407.81	-5,353.30	563.14	182.70	380.44	1.480 Level 3		
13,600.00	7,073.92	13,648.27	7,141.69	194.71	194.09	96.89	409.88	-5,453.25	565.71	179.65	386.06	1.465 Level 3		
13,700.00	7,074.15	13,748.24	7,141.89	197.52	196.90	96.85	411.95	-5,553.19	568.28	176.61	391.67	1.451 Level 3		
13,800.00	7,074.38	13,848.20	7,142.08	200.34	199.72	96.82	414.01	-5,653.14	570.85	173.56	397.29	1.437 Level 3		
13,900.00	7,074.61	13,948.17	7,142.27	203.15	202.54	96.78	416.08	-5,753.08	573.42	170.50	402.92	1.423 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	14,048.14	7,142.47	205.97	205.36	96.75	418.15	-5,853.03	575.99	167.45	408.54	1.410	Level 3	
14,100.00	7,075.07	14,148.10	7,142.66	208.78	208.19	96.71	420.22	-5,952.97	578.56	164.39	414.17	1.397	Level 3	
14,200.00	7,075.30	14,248.07	7,142.86	211.60	211.01	96.68	422.28	-6,052.92	581.13	161.33	419.80	1.384	Level 3	
14,300.00	7,075.54	14,348.03	7,143.05	214.42	213.84	96.65	424.35	-6,152.86	583.70	158.26	425.43	1.372	Level 3	
14,400.00	7,075.77	14,448.00	7,143.24	217.24	216.66	96.61	426.42	-6,252.81	586.27	155.20	431.07	1.360	Level 3	
14,500.00	7,076.00	14,547.97	7,143.44	220.06	219.49	96.58	428.49	-6,352.75	588.84	152.13	436.71	1.348	Level 3	
14,600.00	7,076.23	14,647.93	7,143.63	222.88	222.32	96.55	430.55	-6,452.70	591.41	149.06	442.35	1.337	Level 3	
14,700.00	7,076.46	14,747.90	7,143.82	225.70	225.14	96.52	432.62	-6,552.64	593.98	145.99	447.99	1.326	Level 3	
14,800.00	7,076.69	14,847.86	7,144.02	228.53	228.04	96.49	434.72	-6,652.58	596.53	142.81	453.73	1.315	Level 3	
14,900.00	7,076.92	14,947.83	7,144.22	231.35	231.60	96.48	436.82	-6,752.52	599.08	139.64	459.53	1.297	Level 3	
15,000.00	7,077.15	15,047.80	7,144.42	234.18	234.70	96.52	438.92	-6,852.46	601.63	136.47	465.34	1.274	Level 3	
15,100.00	7,077.38	15,147.77	7,144.62	237.00	237.50	96.56	441.02	-6,952.40	604.18	133.30	471.15	1.250	Level 3	
15,200.00	7,077.61	15,247.74	7,144.82	239.83	240.31	96.60	443.12	-7,052.34	606.73	130.13	476.97	1.228	Level 2	
15,300.00	7,077.84	15,347.71	7,145.02	242.66	243.11	96.65	445.22	-7,152.28	609.28	126.96	482.80	1.205	Level 2	
15,400.00	7,078.07	15,447.68	7,145.22	245.49	245.92	96.69	447.32	-7,252.22	611.83	123.79	488.62	1.183	Level 2	
15,500.00	7,078.30	15,547.65	7,145.42	248.31	248.72	96.73	449.42	-7,352.16	614.38	120.62	494.44	1.162	Level 2	
15,600.00	7,078.53	15,647.62	7,145.62	251.14	251.53	96.78	451.52	-7,452.10	616.93	117.45	500.26	1.141	Level 2	
15,700.00	7,078.76	15,747.59	7,145.82	253.97	254.33	96.82	453.62	-7,552.04	619.48	114.28	506.08	1.120	Level 2	
15,800.00	7,078.99	15,847.56	7,146.02	256.80	257.14	96.87	455.72	-7,651.98	622.03	111.11	511.90	1.100	Level 2	
15,900.00	7,079.22	15,947.53	7,146.22	259.62	259.95	96.91	457.82	-7,751.92	624.58	107.94	517.72	1.081	Level 2	
16,000.00	7,079.45	16,047.50	7,146.42	262.45	262.76	96.96	459.92	-7,851.86	627.13	104.77	523.54	1.061	Level 2	
16,100.00	7,079.68	16,147.47	7,146.62	265.28	265.57	97.01	462.02	-7,951.80	629.68	101.60	529.36	1.043	Level 2	
16,200.00	7,079.91	16,247.44	7,146.82	268.11	268.38	97.06	464.12	-8,051.74	632.23	98.43	535.18	1.024	Level 2	
16,300.00	7,080.14	16,347.41	7,147.02	270.94	271.19	97.10	466.22	-8,151.68	634.78	95.26	541.00	1.006	Level 2	
16,400.00	7,080.37	16,447.38	7,147.22	273.77	274.00	97.15	468.32	-8,251.62	637.33	92.09	546.82	0.988	Level 1	
16,500.00	7,080.60	16,547.35	7,147.42	276.60	276.81	97.20	470.42	-8,351.56	639.88	88.92	552.64	0.971	Level 1	
16,600.00	7,080.83	16,647.32	7,147.62	279.43	279.63	97.26	472.52	-8,451.50	642.43	85.75	558.46	0.954	Level 1	
16,700.00	7,081.06	16,747.29	7,147.82	282.26	282.44	97.31	474.62	-8,551.44	644.98	82.58	564.28	0.938	Level 1	
16,800.00	7,081.29	16,847.26	7,148.02	285.09	285.25	97.36	476.72	-8,651.38	647.53	79.41	570.10	0.921	Level 1	
16,900.00	7,081.52	16,947.23	7,148.22	287.92	288.07	97.41	478.82	-8,751.32	650.08	76.24	575.92	0.905	Level 1	
17,000.00	7,081.75	17,047.20	7,148.42	290.75	290.88	97.47	480.92	-8,851.26	652.63	73.07	581.74	0.890	Level 1	
17,100.00	7,081.98	17,147.17	7,148.62	293.58	293.70	97.52	483.02	-8,951.20	655.18	69.90	587.56	0.875	Level 1	
17,200.00	7,082.21	17,247.14	7,148.82	296.41	296.51	97.58	485.12	-9,051.14	657.73	66.73	593.38	0.859	Level 1	
17,300.00	7,082.44	17,347.11	7,149.02	299.24	299.33	97.64	487.22	-9,151.08	660.28	63.56	599.20	0.845	Level 1	
17,400.00	7,082.67	17,447.08	7,149.22	302.07	302.15	97.69	489.32	-9,250.92	662.83	60.39	605.02	0.830	Level 1	
17,500.00	7,082.90	17,547.05	7,149.42	304.90	304.96	97.75	491.42	-9,350.86	665.38	57.22	610.84	0.816	Level 1	
17,600.00	7,083.13	17,647.02	7,149.62	307.73	307.78	97.81	493.52	-9,450.80	667.93	54.05	616.66	0.802	Level 1	
17,700.00	7,083.36	17,747.00	7,149.82	310.56	310.60	97.87	495.62	-9,550.74	670.48	50.88	622.48	0.788	Level 1	
17,800.00	7,083.59	17,846.97	7,150.02	313.39	313.42	97.93	497.72	-9,650.68	673.03	47.71	628.30	0.775	Level 1	
17,900.00	7,083.82	17,946.94	7,150.22	316.22	316.24	98.00	499.82	-9,750.62	675.58	44.54	634.12	0.762	Level 1	
18,000.00	7,084.05	18,046.91	7,150.42	319.05	319.06	98.06	501.92	-9,850.56	678.13	41.37	639.94	0.749	Level 1	
18,100.00	7,084.28	18,146.88	7,150.62	321.88	321.88	98.12	504.02	-9,950.50	680.68	38.20	645.76	0.736	Level 1	
18,200.00	7,084.51	18,246.85	7,150.82	324.71	324.70	98.19	506.12	-10,050.44	683.23	35.03	651.58	0.724	Level 1	
18,300.00	7,084.74	18,346.82	7,151.02	327.54	327.52	98.26	508.22	-10,150.38	685.78	31.86	657.40	0.711	Level 1	
18,400.00	7,084.97	18,446.79	7,151.22	330.37	330.34	98.33	510.32	-10,250.32	688.33	28.69	663.22	0.699	Level 1	
18,500.00	7,085.20	18,546.76	7,151.42	333.20	333.16	98.40	512.42	-10,350.26	690.88	25.52	669.04	0.687	Level 1	
18,600.00	7,085.43	18,646.73	7,151.62	336.03	335.98	98.47	514.52	-10,450.20	693.43	22.35	674.86	0.676	Level 1	
18,700.00	7,085.66	18,746.70	7,151.82	338.86	338.80	98.54	516.62	-10,550.14	695.98	19.18	680.68	0.664	Level 1	
18,800.00	7,085.89	18,846.67	7,152.02	341.69	341.63	98.61	518.72	-10,650.08	698.53	16.01	686.50	0.653	Level 1	
18,839.14	7,086.00	18,906.26	7,152.00	343.06	342.26	98.63	520.82	-10,706.92	699.97	14.59	688.08	0.649	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-49.07	1,472.22	-1,697.68	2,247.12					
100.00	100.00	104.00	96.00	3.28	3.78	-49.07	1,472.22	-1,697.68	2,247.12	2,240.06	7.07	317.937		
200.00	200.00	204.00	196.00	3.34	6.30	-49.07	1,472.22	-1,697.68	2,247.12	2,237.49	9.63	233.231		
300.00	300.00	304.00	296.00	3.44	9.45	-49.07	1,472.22	-1,697.68	2,247.12	2,234.22	12.90	174.206		
400.00	399.98	404.02	395.98	3.60	12.79	-144.59	1,472.22	-1,697.68	2,248.55	2,232.16	16.39	137.222		
500.00	499.84	504.16	495.84	3.80	16.19	-144.61	1,472.22	-1,697.68	2,252.81	2,232.83	19.99	112.712		
600.00	599.45	604.55	595.45	4.04	19.64	-144.66	1,472.22	-1,697.68	2,259.93	2,236.26	23.67	95.477		
700.00	698.70	705.30	694.70	4.31	23.11	-144.72	1,472.22	-1,697.68	2,269.90	2,242.48	27.42	82.789		
800.00	797.47	806.53	793.47	4.62	26.61	-144.80	1,472.22	-1,697.68	2,282.73	2,251.51	31.22	73.107		
900.00	895.62	908.38	891.62	4.97	30.14	-144.89	1,472.22	-1,697.68	2,298.42	2,263.34	35.09	65.508		
980.89	974.49	970.49	970.49	5.27	32.30	-144.97	1,472.22	-1,697.68	2,313.22	2,275.69	37.53	61.639		
1,000.00	993.07	989.07	989.07	5.34	32.95	-145.03	1,472.22	-1,697.68	2,316.94	2,278.70	38.25	60.582		
1,100.00	1,090.26	1,086.26	1,086.26	5.75	36.32	-145.36	1,472.22	-1,697.68	2,336.45	2,294.46	41.99	55.643		
1,200.00	1,187.45	1,183.45	1,183.45	6.17	39.70	-145.68	1,472.22	-1,697.68	2,356.04	2,310.28	45.75	51.494		
1,300.00	1,284.64	1,280.64	1,280.64	6.62	43.09	-146.00	1,472.22	-1,697.68	2,375.69	2,326.16	49.53	47.962		
1,400.00	1,381.83	1,377.83	1,377.83	7.07	46.47	-146.31	1,472.22	-1,697.68	2,395.42	2,342.09	53.33	44.921		
1,500.00	1,479.01	1,475.01	1,475.01	7.54	49.86	-146.62	1,472.22	-1,697.68	2,415.21	2,358.08	57.13	42.278		
1,600.00	1,576.20	1,572.20	1,572.20	8.02	53.24	-146.92	1,472.22	-1,697.68	2,435.07	2,374.13	60.94	39.960		
1,700.00	1,673.39	1,669.39	1,669.39	8.50	56.63	-147.22	1,472.22	-1,697.68	2,455.00	2,390.24	64.76	37.912		
1,800.00	1,770.58	1,766.58	1,766.58	8.99	60.02	-147.51	1,472.22	-1,697.68	2,474.99	2,406.41	68.58	36.090		
1,900.00	1,867.77	1,863.77	1,863.77	9.48	63.40	-147.80	1,472.22	-1,697.68	2,495.04	2,422.63	72.41	34.458		
2,000.00	1,964.96	1,960.96	1,960.96	9.98	66.79	-148.08	1,472.22	-1,697.68	2,515.15	2,438.91	76.24	32.990		
2,100.00	2,062.15	2,058.15	2,058.15	10.49	70.18	-148.36	1,472.22	-1,697.68	2,535.32	2,455.24	80.08	31.661		
2,200.00	2,159.34	2,155.34	2,155.34	10.99	73.57	-148.64	1,472.22	-1,697.68	2,555.55	2,471.63	83.92	30.454		
2,300.00	2,256.53	2,252.53	2,252.53	11.50	76.96	-148.91	1,472.22	-1,697.68	2,575.83	2,488.08	87.76	29.352		
2,400.00	2,353.71	2,349.71	2,349.71	12.01	80.35	-149.18	1,472.22	-1,697.68	2,596.17	2,504.57	91.60	28.342		
2,500.00	2,450.90	2,446.90	2,446.90	12.53	83.74	-149.44	1,472.22	-1,697.68	2,616.57	2,521.12	95.45	27.414		
2,600.00	2,548.09	2,544.09	2,544.09	13.04	87.13	-149.70	1,472.22	-1,697.68	2,637.01	2,537.72	99.29	26.557		
2,700.00	2,645.28	2,641.28	2,641.28	13.56	90.52	-149.95	1,472.22	-1,697.68	2,657.51	2,554.37	103.14	25.765		
2,800.00	2,742.47	2,738.47	2,738.47	14.08	93.91	-150.20	1,472.22	-1,697.68	2,678.06	2,571.06	106.99	25.030		
2,900.00	2,839.66	2,835.66	2,835.66	14.60	97.30	-150.45	1,472.22	-1,697.68	2,698.66	2,587.81	110.85	24.346		
3,000.00	2,936.85	2,932.85	2,932.85	15.12	100.69	-150.69	1,472.22	-1,697.68	2,719.30	2,604.60	114.70	23.708		
3,100.00	3,034.04	3,030.04	3,030.04	15.65	104.08	-150.93	1,472.22	-1,697.68	2,739.99	2,621.44	118.55	23.112		
3,200.00	3,131.22	3,127.22	3,127.22	16.17	107.48	-151.17	1,472.22	-1,697.68	2,760.73	2,638.32	122.41	22.554		
3,300.00	3,228.41	3,224.41	3,224.41	16.69	110.87	-151.40	1,472.22	-1,697.68	2,781.51	2,655.25	126.26	22.030		
3,400.00	3,325.60	3,321.60	3,321.60	17.22	114.26	-151.63	1,472.22	-1,697.68	2,802.34	2,672.22	130.12	21.537		
3,500.00	3,422.79	3,418.79	3,418.79	17.75	117.65	-151.85	1,472.22	-1,697.68	2,823.20	2,689.23	133.97	21.073		
3,600.00	3,519.98	3,515.98	3,515.98	18.27	121.04	-152.08	1,472.22	-1,697.68	2,844.11	2,706.28	137.83	20.635		
3,700.00	3,617.17	3,613.17	3,613.17	18.80	124.43	-152.29	1,472.22	-1,697.68	2,865.06	2,723.38	141.69	20.221		
3,800.00	3,714.36	3,710.36	3,710.36	19.33	127.83	-152.51	1,472.22	-1,697.68	2,886.06	2,740.51	145.54	19.829		
3,900.00	3,811.55	3,807.55	3,807.55	19.86	131.22	-152.72	1,472.22	-1,697.68	2,907.08	2,757.68	149.40	19.458		
4,000.00	3,908.74	3,904.74	3,904.74	20.39	134.61	-152.93	1,472.22	-1,697.68	2,928.15	2,774.89	153.26	19.106		
4,100.00	4,005.92	4,001.92	4,001.92	20.92	138.00	-153.14	1,472.22	-1,697.68	2,949.26	2,792.14	157.12	18.771		
4,200.00	4,103.11	4,100.89	4,099.11	21.45	141.45	-153.34	1,472.22	-1,697.68	2,970.40	2,809.36	161.04	18.445		
4,300.00	4,200.30	4,203.70	4,196.30	21.98	145.04	-153.55	1,472.22	-1,697.68	2,991.58	2,826.48	165.09	18.120		
4,400.00	4,297.49	4,306.51	4,293.49	22.51	148.63	-153.74	1,472.22	-1,697.68	3,012.79	2,843.64	169.15	17.811		
4,500.00	4,394.68	4,409.32	4,390.68	23.04	152.22	-153.94	1,472.22	-1,697.68	3,034.04	2,860.83	173.20	17.517		
4,600.00	4,491.87	4,487.87	4,487.87	23.57	154.96	-154.13	1,472.22	-1,697.68	3,055.32	2,878.91	176.41	17.319		
4,700.00	4,589.06	4,585.06	4,585.06	24.10	158.35	-154.32	1,472.22	-1,697.68	3,076.64	2,896.36	180.27	17.066		
4,800.00	4,686.25	4,682.25	4,682.25	24.64	161.75	-154.51	1,472.22	-1,697.68	3,097.98	2,913.85	184.13	16.825		
4,900.00	4,783.43	4,779.43	4,779.43	25.17	165.14	-154.70	1,472.22	-1,697.68	3,119.36	2,931.37	187.99	16.593		
5,000.00	4,880.62	4,876.62	4,876.62	25.70	168.53	-154.88	1,472.22	-1,697.68	3,140.77	2,948.92	191.85	16.371		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,973.81	4,973.81	26.23	171.92	-155.06	1,472.22	-1,697.68	3,162.21	2,966.50	195.71	16.157		
5,200.00	5,075.00	5,071.00	5,071.00	26.77	175.31	-155.24	1,472.22	-1,697.68	3,183.68	2,984.10	199.57	15.952		
5,300.00	5,172.19	5,168.19	5,168.19	27.30	178.71	-155.41	1,472.22	-1,697.68	3,205.18	3,001.74	203.43	15.755		
5,400.00	5,269.38	5,265.38	5,265.38	27.83	182.10	-155.58	1,472.22	-1,697.68	3,226.70	3,019.41	207.29	15.566		
5,457.75	5,325.51	5,321.51	5,321.51	28.14	184.06	-155.68	1,472.22	-1,697.68	3,239.15	3,029.62	209.52	15.460		
5,500.00	5,366.64	5,362.64	5,362.64	28.37	185.49	-155.83	1,472.22	-1,697.68	3,247.98	3,036.82	211.16	15.382		
5,600.00	5,464.53	5,460.53	5,460.53	28.87	188.91	-156.13	1,472.22	-1,697.68	3,266.68	3,051.65	215.03	15.192		
5,700.00	5,563.07	5,559.07	5,559.07	29.35	192.35	-156.37	1,472.22	-1,697.68	3,282.25	3,063.34	218.92	14.993		
5,800.00	5,662.15	5,658.15	5,658.15	29.80	195.81	-156.57	1,472.22	-1,697.68	3,294.67	3,071.86	222.81	14.787		
5,900.00	5,761.64	5,757.64	5,757.64	30.23	199.28	-156.71	1,472.22	-1,697.68	3,303.91	3,077.20	226.71	14.573		
6,000.00	5,861.42	5,857.42	5,857.42	30.64	202.76	-156.80	1,472.22	-1,697.68	3,309.96	3,079.36	230.60	14.353		
6,100.00	5,961.36	5,957.36	5,957.36	31.02	206.25	-156.85	1,472.22	-1,697.68	3,312.80	3,078.31	234.49	14.127		
6,138.64	6,000.00	6,004.00	5,996.00	31.16	207.88	-61.34	1,472.22	-1,697.68	3,313.04	3,076.77	236.27	14.022		
6,200.00	6,061.36	6,057.36	6,057.36	31.38	209.74	-61.34	1,472.22	-1,697.68	3,313.04	3,074.68	238.36	13.899		
6,300.00	6,161.36	6,157.36	6,157.36	31.74	213.23	-61.34	1,472.22	-1,697.68	3,313.04	3,070.81	242.23	13.677		
6,400.00	6,261.36	6,257.36	6,257.36	32.10	216.72	-61.34	1,472.22	-1,697.68	3,313.04	3,066.94	246.10	13.462		
6,500.00	6,361.36	6,357.36	6,357.36	32.46	220.21	-61.34	1,472.22	-1,697.68	3,313.04	3,063.07	249.97	13.254		
6,562.02	6,423.38	6,419.38	6,419.38	32.68	222.38	-61.34	1,472.22	-1,697.68	3,313.04	3,060.67	252.38	13.127		
6,600.00	6,461.34	6,457.34	6,457.34	32.82	223.70	29.01	1,472.22	-1,697.68	3,312.05	3,058.21	253.84	13.048		
6,650.00	6,511.08	6,507.08	6,507.08	32.99	225.44	29.24	1,472.22	-1,697.68	3,307.73	3,051.99	255.75	12.934		
6,700.00	6,560.29	6,556.29	6,556.29	33.17	227.16	29.66	1,472.22	-1,697.68	3,300.02	3,042.40	257.62	12.810		
6,750.00	6,608.64	6,604.64	6,604.64	33.36	228.85	30.28	1,472.22	-1,697.68	3,288.96	3,029.51	259.46	12.676		
6,800.00	6,655.86	6,651.86	6,651.86	33.56	230.49	31.11	1,472.22	-1,697.68	3,274.64	3,013.40	261.24	12.535		
6,850.00	6,701.64	6,702.36	6,697.64	33.78	232.26	32.18	1,472.22	-1,697.68	3,257.16	2,994.03	263.13	12.378		
6,900.00	6,745.71	6,741.71	6,741.71	34.01	233.63	33.49	1,472.22	-1,697.68	3,236.65	2,972.02	264.63	12.231		
6,950.00	6,787.79	6,783.79	6,783.79	34.27	235.10	35.09	1,472.22	-1,697.68	3,213.24	2,947.03	266.21	12.070		
7,000.00	6,827.62	6,823.62	6,823.62	34.56	236.49	37.01	1,472.22	-1,697.68	3,187.11	2,919.39	267.72	11.905		
7,050.00	6,864.96	6,860.96	6,860.96	34.87	237.79	39.30	1,472.22	-1,697.68	3,158.44	2,889.30	269.14	11.735		
7,100.00	6,899.58	6,904.42	6,895.58	35.21	239.31	42.00	1,472.22	-1,697.68	3,127.43	2,856.65	270.77	11.550		
7,150.00	6,931.26	6,927.26	6,927.26	35.60	240.11	45.15	1,472.22	-1,697.68	3,094.30	2,822.60	271.70	11.389		
7,200.00	6,959.81	6,955.81	6,955.81	36.02	241.10	48.83	1,472.22	-1,697.68	3,059.29	2,786.45	272.83	11.213		
7,250.00	6,985.06	6,981.06	6,981.06	36.47	241.99	53.06	1,472.22	-1,697.68	3,022.63	2,748.76	273.87	11.037		
7,300.00	7,006.84	7,002.84	7,002.84	36.97	242.75	57.88	1,472.22	-1,697.68	2,984.59	2,709.78	274.81	10.861		
7,350.00	7,025.02	7,021.02	7,021.02	37.51	243.38	63.28	1,472.22	-1,697.68	2,945.43	2,669.79	275.65	10.686		
7,400.00	7,039.49	7,035.49	7,035.49	38.09	243.89	69.18	1,472.22	-1,697.68	2,905.42	2,629.04	276.38	10.512		
7,450.00	7,050.17	7,046.17	7,046.17	38.70	244.26	75.48	1,472.22	-1,697.68	2,864.83	2,587.82	277.02	10.342		
7,500.00	7,056.98	7,052.98	7,052.98	39.33	244.50	81.98	1,472.22	-1,697.68	2,823.94	2,546.39	277.55	10.175		
7,550.00	7,059.89	7,055.89	7,055.89	39.99	244.60	88.47	1,472.22	-1,697.68	2,783.01	2,505.04	277.97	10.012		
7,560.55	7,060.00	7,056.00	7,056.00	40.13	244.60	89.81	1,472.22	-1,697.68	2,774.40	2,496.35	278.05	9.978		
7,600.00	7,060.09	7,056.09	7,056.09	40.67	244.61	89.82	1,472.22	-1,697.68	2,742.31	2,463.97	278.34	9.852		
7,700.00	7,060.32	7,056.32	7,056.32	42.14	244.61	89.83	1,472.22	-1,697.68	2,661.84	2,382.66	279.18	9.534		
7,800.00	7,060.55	7,056.55	7,056.55	43.75	244.62	89.83	1,472.22	-1,697.68	2,582.74	2,302.55	280.19	9.218		
7,900.00	7,060.78	7,056.78	7,056.78	45.48	244.63	89.84	1,472.22	-1,697.68	2,505.14	2,223.77	281.37	8.903		
8,000.00	7,061.01	7,057.01	7,057.01	47.33	244.64	89.85	1,472.22	-1,697.68	2,429.17	2,146.43	282.74	8.591		
8,100.00	7,061.24	7,057.24	7,057.24	49.27	244.65	89.86	1,472.22	-1,697.68	2,355.00	2,070.69	284.31	8.283		
8,200.00	7,061.47	7,057.47	7,057.47	51.29	244.65	89.87	1,472.22	-1,697.68	2,282.80	1,996.72	286.09	7.979		
8,300.00	7,061.70	7,057.70	7,057.70	53.40	244.66	89.87	1,472.22	-1,697.68	2,212.77	1,924.70	288.07	7.681		
8,400.00	7,061.93	7,057.93	7,057.93	55.57	244.67	89.88	1,472.22	-1,697.68	2,145.11	1,854.84	290.28	7.390		
8,500.00	7,062.16	7,058.16	7,058.16	57.80	244.68	89.89	1,472.22	-1,697.68	2,080.06	1,787.37	292.70	7.107		
8,600.00	7,062.39	7,058.39	7,058.39	60.08	244.69	89.90	1,472.22	-1,697.68	2,017.88	1,722.54	295.33	6.833		
8,700.00	7,062.63	7,058.63	7,058.63	62.42	244.69	89.91	1,472.22	-1,697.68	1,958.82	1,660.65	298.17	6.569		
8,800.00	7,062.86	7,058.86	7,058.86	64.79	244.70	89.92	1,472.22	-1,697.68	1,903.19	1,601.99	301.21	6.319		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,059.09	7,059.09	67.20	244.71	89.92	1,472.22	-1,697.68	1,851.30	1,546.88	304.41	6.082		
9,000.00	7,063.32	7,059.32	7,059.32	69.65	244.72	89.93	1,472.22	-1,697.68	1,803.46	1,495.68	307.77	5.860		
9,100.00	7,063.55	7,059.55	7,059.55	72.12	244.73	89.94	1,472.22	-1,697.68	1,760.00	1,448.75	311.25	5.655		
9,200.00	7,063.78	7,059.78	7,059.78	74.63	244.73	89.95	1,472.22	-1,697.68	1,721.27	1,406.47	314.80	5.468		
9,300.00	7,064.01	7,060.01	7,060.01	77.16	244.74	89.96	1,472.22	-1,697.68	1,687.58	1,369.19	318.39	5.300		
9,400.00	7,064.24	7,060.24	7,060.24	79.71	244.75	89.97	1,472.22	-1,697.68	1,659.24	1,337.29	321.95	5.154		
9,500.00	7,064.47	7,060.47	7,060.47	82.28	244.76	89.97	1,472.22	-1,697.68	1,636.53	1,311.10	325.44	5.029		
9,600.00	7,064.70	7,060.70	7,060.70	84.87	244.77	89.98	1,472.22	-1,697.68	1,619.69	1,290.90	328.78	4.926		
9,700.00	7,064.93	7,060.93	7,060.93	87.47	244.77	89.99	1,472.22	-1,697.68	1,608.90	1,276.96	331.94	4.847		
9,800.00	7,065.16	7,061.16	7,061.16	90.09	244.78	90.00	1,472.22	-1,697.68	1,604.28	1,269.43	334.85	4.791		
9,824.22	7,065.22	7,061.22	7,061.22	90.73	244.78	90.00	1,472.22	-1,697.68	1,604.09	1,268.58	335.51	4.781 CC		
9,900.00	7,065.39	7,061.39	7,061.39	92.73	244.79	90.01	1,472.22	-1,697.68	1,605.88	1,268.42	337.47	4.759 ES		
10,000.00	7,065.62	7,061.62	7,061.62	95.38	244.80	90.01	1,472.22	-1,697.68	1,613.69	1,273.93	339.76	4.749 SF		
10,100.00	7,065.85	7,061.85	7,061.85	98.04	244.81	90.02	1,472.22	-1,697.68	1,627.63	1,285.91	341.72	4.763		
10,200.00	7,066.08	7,062.08	7,062.08	100.71	244.81	90.03	1,472.22	-1,697.68	1,647.52	1,304.19	343.33	4.799		
10,300.00	7,066.31	7,062.31	7,062.31	103.39	244.82	90.04	1,472.22	-1,697.68	1,673.16	1,328.58	344.59	4.856		
10,400.00	7,066.54	7,062.54	7,062.54	106.08	244.83	90.05	1,472.22	-1,697.68	1,704.30	1,358.78	345.52	4.933		
10,500.00	7,066.77	7,062.77	7,062.77	108.78	244.84	90.06	1,472.22	-1,697.68	1,740.63	1,394.48	346.15	5.029		
10,600.00	7,067.01	7,063.01	7,063.01	111.48	244.85	90.06	1,472.22	-1,697.68	1,781.84	1,435.33	346.50	5.142		
10,700.00	7,067.24	7,063.24	7,063.24	114.20	244.85	90.07	1,472.22	-1,697.68	1,827.59	1,480.98	346.61	5.273		
10,800.00	7,067.47	7,063.47	7,063.47	116.92	244.86	90.08	1,472.22	-1,697.68	1,877.57	1,531.06	346.51	5.419		
10,900.00	7,067.70	7,063.70	7,063.70	119.65	244.87	90.09	1,472.22	-1,697.68	1,931.43	1,585.20	346.23	5.578		
11,000.00	7,067.93	7,063.93	7,063.93	122.38	244.88	90.10	1,472.22	-1,697.68	1,988.86	1,643.06	345.80	5.751		
11,100.00	7,068.16	7,064.16	7,064.16	125.12	244.89	90.11	1,472.22	-1,697.68	2,049.56	1,704.31	345.26	5.936		
11,200.00	7,068.39	7,064.39	7,064.39	127.86	244.89	90.11	1,472.22	-1,697.68	2,113.26	1,768.64	344.62	6.132		
11,300.00	7,068.62	7,064.62	7,064.62	130.61	244.90	90.12	1,472.22	-1,697.68	2,179.68	1,835.77	343.91	6.338		
11,400.00	7,068.85	7,064.85	7,064.85	133.37	244.91	90.13	1,472.22	-1,697.68	2,248.59	1,905.45	343.15	6.553		
11,500.00	7,069.08	7,065.08	7,065.08	136.12	244.92	90.14	1,472.22	-1,697.68	2,319.77	1,977.42	342.35	6.776		
11,600.00	7,069.31	7,065.31	7,065.31	138.89	244.93	90.15	1,472.22	-1,697.68	2,393.01	2,051.48	341.53	7.007		
11,700.00	7,069.54	7,065.54	7,065.54	141.65	244.93	90.15	1,472.22	-1,697.68	2,468.12	2,127.44	340.69	7.245		
11,800.00	7,069.77	7,065.77	7,065.77	144.42	244.94	90.16	1,472.22	-1,697.68	2,544.95	2,205.11	339.85	7.488		
11,900.00	7,070.00	7,066.00	7,066.00	147.19	244.95	90.17	1,472.22	-1,697.68	2,623.35	2,284.34	339.01	7.738		
12,000.00	7,070.23	7,066.23	7,066.23	149.97	244.96	90.18	1,472.22	-1,697.68	2,703.17	2,364.98	338.18	7.993		
12,100.00	7,070.46	7,066.46	7,066.46	152.75	244.97	90.19	1,472.22	-1,697.68	2,784.29	2,446.92	337.36	8.253		
12,200.00	7,070.69	7,066.69	7,066.69	155.53	244.98	90.20	1,472.22	-1,697.68	2,866.60	2,530.04	336.56	8.517		
12,300.00	7,070.92	7,066.92	7,066.92	158.32	244.98	90.20	1,472.22	-1,697.68	2,950.01	2,614.23	335.78	8.785		
12,400.00	7,071.16	7,067.16	7,067.16	161.10	244.99	90.21	1,472.22	-1,697.68	3,034.42	2,699.40	335.02	9.057		
12,500.00	7,071.39	7,067.39	7,067.39	163.89	245.00	90.22	1,472.22	-1,697.68	3,119.75	2,785.48	334.28	9.333		
12,600.00	7,071.62	7,067.62	7,067.62	166.69	245.01	90.23	1,472.22	-1,697.68	3,205.94	2,872.37	333.56	9.611		
12,700.00	7,071.85	7,067.85	7,067.85	169.48	245.02	90.24	1,472.22	-1,697.68	3,292.90	2,960.03	332.87	9.893		
12,800.00	7,072.08	7,068.08	7,068.08	172.28	245.02	90.25	1,472.22	-1,697.68	3,380.58	3,048.39	332.19	10.177		
12,900.00	7,072.31	7,068.31	7,068.31	175.08	245.03	90.25	1,472.22	-1,697.68	3,468.93	3,137.39	331.54	10.463		
13,000.00	7,072.54	7,068.54	7,068.54	177.88	245.04	90.26	1,472.22	-1,697.68	3,557.90	3,226.98	330.92	10.752		
13,100.00	7,072.77	7,068.77	7,068.77	180.68	245.05	90.27	1,472.22	-1,697.68	3,647.44	3,317.12	330.31	11.042		
13,200.00	7,073.00	7,069.00	7,069.00	183.48	245.06	90.28	1,472.22	-1,697.68	3,737.50	3,407.78	329.73	11.335		
13,300.00	7,073.23	7,069.23	7,069.23	186.29	245.06	90.29	1,472.22	-1,697.68	3,828.07	3,498.90	329.17	11.630		
13,400.00	7,073.46	7,069.46	7,069.46	189.09	245.07	90.29	1,472.22	-1,697.68	3,919.09	3,590.46	328.63	11.926		
13,500.00	7,073.69	7,069.69	7,069.69	191.90	245.08	90.30	1,472.22	-1,697.68	4,010.53	3,682.43	328.10	12.223		
13,600.00	7,073.92	7,069.92	7,069.92	194.71	245.09	90.31	1,472.22	-1,697.68	4,102.38	3,774.78	327.60	12.522		
13,700.00	7,074.15	7,070.15	7,070.15	197.52	245.10	90.32	1,472.22	-1,697.68	4,194.60	3,867.48	327.12	12.823		
13,800.00	7,074.38	7,070.38	7,070.38	200.34	245.10	90.33	1,472.22	-1,697.68	4,287.17	3,960.52	326.66	13.124		
13,900.00	7,074.61	7,070.61	7,070.61	203.15	245.11	90.34	1,472.22	-1,697.68	4,380.07	4,053.86	326.21	13.427		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,070.84	7,070.84	205.97	245.12	90.34	1,472.22	-1,697.68	4,473.27	4,147.49	325.78	13.731		
14,100.00	7,075.07	7,071.07	7,071.07	208.78	245.13	90.35	1,472.22	-1,697.68	4,566.76	4,241.40	325.36	14.036		
14,200.00	7,075.30	7,071.30	7,071.30	211.60	245.14	90.36	1,472.22	-1,697.68	4,660.52	4,335.56	324.96	14.342		
14,300.00	7,075.54	7,071.54	7,071.54	214.42	245.14	90.37	1,472.22	-1,697.68	4,754.53	4,429.96	324.58	14.648		
14,400.00	7,075.77	7,071.77	7,071.77	217.24	245.15	90.38	1,472.22	-1,697.68	4,848.79	4,524.58	324.21	14.956		
14,500.00	7,076.00	7,072.00	7,072.00	220.06	245.16	90.39	1,472.22	-1,697.68	4,943.27	4,619.41	323.85	15.264		
14,600.00	7,076.23	7,072.23	7,072.23	222.88	245.17	90.39	1,472.22	-1,697.68	5,037.96	4,714.45	323.51	15.573		
14,700.00	7,076.46	7,072.46	7,072.46	225.70	245.18	90.40	1,472.22	-1,697.68	5,132.86	4,809.67	323.18	15.882		
14,800.00	7,076.69	7,072.69	7,072.69	228.53	245.18	90.41	1,472.22	-1,697.68	5,227.94	4,905.07	322.87	16.192		
14,900.00	7,076.92	7,072.92	7,072.92	231.35	245.19	90.42	1,472.22	-1,697.68	5,323.20	5,000.65	322.56	16.503		
15,000.00	7,077.15	7,073.15	7,073.15	234.18	245.20	90.43	1,472.22	-1,697.68	5,418.64	5,096.37	322.27	16.814		
15,100.00	7,077.38	7,073.38	7,073.38	237.00	245.21	90.43	1,472.22	-1,697.68	5,514.24	5,192.25	321.98	17.126		
15,200.00	7,077.61	7,073.61	7,073.61	239.83	245.22	90.44	1,472.22	-1,697.68	5,609.99	5,288.28	321.71	17.438		
15,300.00	7,077.84	7,073.84	7,073.84	242.66	245.22	90.45	1,472.22	-1,697.68	5,705.88	5,384.44	321.45	17.751		
15,400.00	7,078.07	7,074.07	7,074.07	245.49	245.23	90.46	1,472.22	-1,697.68	5,801.92	5,480.72	321.19	18.064		
15,500.00	7,078.30	7,074.30	7,074.30	248.31	245.24	90.47	1,472.22	-1,697.68	5,898.09	5,577.13	320.95	18.377		
15,600.00	7,078.53	7,074.53	7,074.53	251.14	245.25	90.48	1,472.22	-1,697.68	5,994.38	5,673.66	320.72	18.691		
15,700.00	7,078.76	7,074.76	7,074.76	253.97	245.26	90.48	1,472.22	-1,697.68	6,090.79	5,770.30	320.49	19.005		
15,800.00	7,078.99	7,074.99	7,074.99	256.80	245.26	90.49	1,472.22	-1,697.68	6,187.31	5,867.04	320.27	19.319		
15,900.00	7,079.22	7,075.22	7,075.22	259.64	245.27	90.50	1,472.22	-1,697.68	6,283.95	5,963.88	320.06	19.633		
16,000.00	7,079.45	7,075.45	7,075.45	262.47	245.28	90.51	1,472.22	-1,697.68	6,380.69	6,060.82	319.86	19.948		
16,100.00	7,079.69	7,075.69	7,075.69	265.30	245.29	90.52	1,472.22	-1,697.68	6,477.52	6,157.85	319.67	20.263		
16,200.00	7,079.92	7,075.92	7,075.92	268.13	245.30	90.53	1,472.22	-1,697.68	6,574.45	6,254.97	319.48	20.579		
16,300.00	7,080.15	7,076.15	7,076.15	270.97	245.31	90.53	1,472.22	-1,697.68	6,671.48	6,352.18	319.30	20.894		
16,400.00	7,080.38	7,076.38	7,076.38	273.80	245.31	90.54	1,472.22	-1,697.68	6,768.59	6,449.46	319.13	21.210		
16,500.00	7,080.61	7,076.61	7,076.61	276.64	245.32	90.55	1,472.22	-1,697.68	6,865.78	6,546.82	318.96	21.525		
16,600.00	7,080.84	7,076.84	7,076.84	279.47	245.33	90.56	1,472.22	-1,697.68	6,963.05	6,644.25	318.80	21.841		
16,700.00	7,081.07	7,077.07	7,077.07	282.31	245.34	90.57	1,472.22	-1,697.68	7,060.40	6,741.75	318.65	22.157		
16,800.00	7,081.30	7,077.30	7,077.30	285.14	245.35	90.57	1,472.22	-1,697.68	7,157.82	6,839.32	318.50	22.473		
16,900.00	7,081.53	7,077.53	7,077.53	287.98	245.35	90.58	1,472.22	-1,697.68	7,255.31	6,936.95	318.36	22.790		
17,000.00	7,081.76	7,077.76	7,077.76	290.82	245.36	90.59	1,472.22	-1,697.68	7,352.87	7,034.64	318.22	23.106		
17,100.00	7,081.99	7,077.99	7,077.99	293.65	245.37	90.60	1,472.22	-1,697.68	7,450.49	7,132.40	318.09	23.423		
17,200.00	7,082.22	7,078.22	7,078.22	296.49	245.38	90.61	1,472.22	-1,697.68	7,548.17	7,230.21	317.96	23.739		
17,300.00	7,082.45	7,078.45	7,078.45	299.33	245.39	90.62	1,472.22	-1,697.68	7,645.92	7,328.08	317.84	24.056		
17,400.00	7,082.68	7,078.68	7,078.68	302.17	245.39	90.62	1,472.22	-1,697.68	7,743.72	7,426.00	317.73	24.372		
17,500.00	7,082.91	7,078.91	7,078.91	305.01	245.40	90.63	1,472.22	-1,697.68	7,841.58	7,523.96	317.62	24.689		
17,600.00	7,083.14	7,079.14	7,079.14	307.85	245.41	90.64	1,472.22	-1,697.68	7,939.49	7,621.98	317.51	25.006		
17,700.00	7,083.37	7,079.37	7,079.37	310.69	245.42	90.65	1,472.22	-1,697.68	8,037.45	7,720.05	317.41	25.322		
17,800.00	7,083.60	7,079.60	7,079.60	313.53	245.43	90.66	1,472.22	-1,697.68	8,135.47	7,818.16	317.31	25.639		
17,900.00	7,083.84	7,079.84	7,079.84	316.37	245.43	90.66	1,472.22	-1,697.68	8,233.53	7,916.31	317.21	25.956		
18,000.00	7,084.07	7,080.07	7,080.07	319.21	245.44	90.67	1,472.22	-1,697.68	8,331.63	8,014.51	317.13	26.272		
18,100.00	7,084.30	7,080.30	7,080.30	322.05	245.45	90.68	1,472.22	-1,697.68	8,429.78	8,112.74	317.04	26.589		
18,200.00	7,084.53	7,080.53	7,080.53	324.89	245.46	90.69	1,472.22	-1,697.68	8,527.98	8,211.02	316.96	26.906		
18,300.00	7,084.76	7,080.76	7,080.76	327.73	245.47	90.70	1,472.22	-1,697.68	8,626.21	8,309.33	316.88	27.222		
18,400.00	7,084.99	7,080.99	7,080.99	330.57	245.47	90.71	1,472.22	-1,697.68	8,724.49	8,407.68	316.81	27.539		
18,500.00	7,085.22	7,081.22	7,081.22	333.41	245.48	90.71	1,472.22	-1,697.68	8,822.80	8,506.07	316.74	27.855		
18,600.00	7,085.45	7,081.45	7,081.45	336.26	245.49	90.72	1,472.22	-1,697.68	8,921.15	8,604.49	316.67	28.172		
18,700.00	7,085.68	7,081.68	7,081.68	339.10	245.50	90.73	1,472.22	-1,697.68	9,019.54	8,702.94	316.60	28.488		
18,800.00	7,085.91	7,081.91	7,081.91	341.94	245.51	90.74	1,472.22	-1,697.68	9,117.97	8,801.42	316.54	28.805		
18,839.14	7,086.00	7,082.00	7,082.00	343.06	245.51	90.74	1,472.22	-1,697.68	9,156.50	8,839.98	316.52	28.929		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-106.78	-2,153.46	-7,143.28	7,460.83					
100.00	100.00	85.62	85.62	3.28	3.29	-106.78	-2,153.68	-7,143.24	7,460.85	7,454.28	6.57	1,135.577		
200.00	200.00	174.86	174.86	3.34	3.31	-106.78	-2,154.35	-7,143.14	7,460.95	7,454.31	6.65	1,122.375		
300.00	300.00	258.91	258.90	3.44	3.38	-106.79	-2,155.18	-7,143.18	7,461.29	7,454.46	6.83	1,093.191		
400.00	399.98	357.33	357.31	3.60	3.51	157.68	-2,156.31	-7,143.26	7,463.31	7,456.20	7.11	1,049.768		
500.00	499.84	448.79	448.77	3.80	3.67	157.65	-2,156.95	-7,143.56	7,468.67	7,461.20	7.47	999.974		
600.00	599.45	552.41	552.39	4.04	3.89	157.61	-2,157.38	-7,143.99	7,477.24	7,469.31	7.93	942.729		
700.00	698.70	637.49	637.47	4.31	4.11	157.55	-2,157.99	-7,144.28	7,489.06	7,480.64	8.42	889.564		
800.00	797.47	709.15	709.12	4.62	4.30	157.46	-2,158.42	-7,144.81	7,504.40	7,495.48	8.92	841.313		
900.00	895.62	793.44	793.41	4.97	4.55	157.36	-2,158.78	-7,145.70	7,523.19	7,513.69	9.50	792.196		
980.89	974.49	867.11	867.08	5.27	4.77	157.27	-2,159.20	-7,146.54	7,540.79	7,530.78	10.01	753.256		
1,000.00	993.07	884.47	884.43	5.34	4.83	157.28	-2,159.34	-7,146.74	7,545.20	7,535.07	10.14	744.255		
1,100.00	1,090.26	974.33	974.28	5.75	5.12	157.34	-2,159.90	-7,147.84	7,568.34	7,557.54	10.80	700.971		
1,200.00	1,187.45	1,018.21	1,018.15	6.17	5.27	157.37	-2,159.83	-7,148.67	7,591.89	7,580.56	11.32	670.566		
1,300.00	1,284.64	1,061.00	1,060.93	6.62	5.42	157.41	-2,159.35	-7,149.89	7,616.09	7,604.23	11.86	642.331		
1,400.00	1,381.83	1,106.06	1,105.95	7.07	5.57	157.45	-2,158.46	-7,151.61	7,640.97	7,628.56	12.41	615.718		
1,500.00	1,479.01	1,153.00	1,152.81	7.54	5.73	157.50	-2,157.14	-7,153.89	7,666.55	7,653.57	12.98	590.702		
1,600.00	1,576.20	1,191.16	1,190.88	8.02	5.87	157.54	-2,155.72	-7,156.11	7,692.81	7,679.29	13.52	568.807		
1,700.00	1,673.39	1,248.00	1,247.51	8.50	6.07	157.61	-2,152.96	-7,160.05	7,719.78	7,705.63	14.14	545.768		
1,800.00	1,770.58	1,248.00	1,247.51	8.99	6.07	157.61	-2,152.96	-7,160.05	7,747.48	7,732.92	14.56	532.203		
1,900.00	1,867.77	1,299.21	1,298.45	9.48	6.26	157.68	-2,149.96	-7,164.36	7,775.85	7,760.68	15.17	512.689		
2,000.00	1,964.96	1,343.00	1,341.94	9.98	6.42	157.74	-2,147.14	-7,168.69	7,805.14	7,789.39	15.75	495.521		
2,100.00	2,062.15	1,369.85	1,368.57	10.49	6.52	157.77	-2,145.27	-7,171.59	7,835.14	7,818.87	16.27	481.490		
2,200.00	2,159.34	1,418.04	1,416.30	10.99	6.71	157.85	-2,141.61	-7,177.11	7,865.78	7,848.89	16.88	465.953		
2,300.00	2,256.53	1,481.25	1,478.80	11.50	6.97	157.94	-2,136.31	-7,184.83	7,896.94	7,879.38	17.56	449.753		
2,400.00	2,353.71	1,560.37	1,556.99	12.01	7.30	158.07	-2,129.35	-7,194.78	7,928.39	7,910.08	18.31	432.969		
2,500.00	2,450.90	1,645.60	1,641.20	12.53	7.66	158.20	-2,121.79	-7,205.57	7,959.97	7,940.87	19.10	416.718		
2,600.00	2,548.09	1,713.60	1,708.41	13.04	7.96	158.30	-2,116.19	-7,214.24	7,991.81	7,971.99	19.82	403.212		
2,700.00	2,645.28	1,846.01	1,839.40	13.56	8.56	158.50	-2,106.11	-7,230.66	8,023.48	8,002.64	20.84	384.920		
2,800.00	2,742.47	1,914.00	1,906.73	14.08	8.87	158.59	-2,101.46	-7,238.99	8,055.27	8,033.70	21.57	373.387		
2,900.00	2,839.66	2,043.71	2,035.27	14.60	9.46	158.76	-2,093.52	-7,254.45	8,086.96	8,064.36	22.60	357.831		
3,000.00	2,936.85	2,131.16	2,121.90	15.12	9.87	158.88	-2,087.68	-7,264.84	8,118.53	8,095.10	23.43	346.486		
3,100.00	3,034.04	2,222.09	2,211.89	15.65	10.30	159.00	-2,080.83	-7,275.95	8,150.25	8,125.96	24.29	335.603		
3,200.00	3,131.22	2,362.68	2,351.07	16.17	10.98	159.20	-2,070.16	-7,292.67	8,181.70	8,156.30	25.39	322.198		
3,300.00	3,228.41	2,501.71	2,488.74	16.69	11.65	159.39	-2,059.02	-7,308.51	8,212.62	8,186.12	26.50	309.892		
3,400.00	3,325.60	2,598.03	2,584.12	17.22	12.12	159.52	-2,051.02	-7,319.26	8,243.32	8,215.92	27.40	300.867		
3,500.00	3,422.79	2,672.00	2,657.39	17.75	12.48	159.62	-2,045.06	-7,327.52	8,274.14	8,245.95	28.18	293.584		
3,600.00	3,519.98	2,742.69	2,727.42	18.27	12.83	159.72	-2,039.63	-7,335.54	8,305.23	8,276.28	28.95	286.873		
3,700.00	3,617.17	2,806.90	2,790.99	18.80	13.14	159.80	-2,034.71	-7,343.06	8,336.69	8,307.00	29.69	280.832		
3,800.00	3,714.36	2,873.66	2,857.06	19.33	13.48	159.89	-2,029.47	-7,351.15	8,368.51	8,338.08	30.43	274.970		
3,900.00	3,811.55	2,957.40	2,939.87	19.86	13.90	160.01	-2,022.67	-7,361.52	8,400.55	8,369.28	31.27	268.606		
4,000.00	3,908.74	3,089.24	3,070.36	20.39	14.56	160.18	-2,012.55	-7,377.42	8,432.42	8,400.05	32.37	260.496		
4,100.00	4,005.92	3,170.19	3,150.50	20.92	14.97	160.28	-2,006.37	-7,387.00	8,464.15	8,430.96	33.20	254.969		
4,200.00	4,103.11	3,221.76	3,201.52	21.45	15.23	160.35	-2,002.35	-7,393.33	8,496.29	8,462.43	33.87	250.881		
4,300.00	4,200.30	3,362.18	3,340.57	21.98	15.94	160.52	-1,992.70	-7,410.35	8,528.52	8,493.51	35.01	243.607		
4,400.00	4,297.49	3,611.37	3,587.88	22.51	17.16	160.81	-1,977.62	-7,436.75	8,559.43	8,522.71	36.72	233.103		
4,500.00	4,394.68	3,733.56	3,709.11	23.04	17.76	160.95	-1,968.27	-7,448.89	8,589.53	8,551.76	37.77	227.431		
4,600.00	4,491.87	3,874.49	3,848.94	23.57	18.46	161.13	-1,957.19	-7,462.58	8,619.51	8,580.59	38.92	221.472		
4,700.00	4,589.06	3,952.58	3,926.37	24.10	18.85	161.22	-1,950.22	-7,469.89	8,648.92	8,609.18	39.74	217.646		
4,800.00	4,686.25	4,002.00	3,975.35	24.64	19.09	161.29	-1,945.79	-7,474.80	8,678.86	8,638.45	40.40	214.809		
4,900.00	4,783.43	4,055.98	4,028.80	25.17	19.37	161.36	-1,940.88	-7,480.45	8,709.28	8,668.19	41.09	211.946		
5,000.00	4,880.62	4,152.47	4,124.28	25.70	19.86	161.48	-1,931.69	-7,490.98	8,740.09	8,698.08	42.02	208.013		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,255.01	4,225.78	26.23	20.38	161.62	-1,921.97	-7,501.81	8,770.60	8,727.63	42.98	204.086		
5,200.00	5,075.00	4,349.05	4,319.00	26.77	20.86	161.73	-1,914.37	-7,511.55	8,801.25	8,757.37	43.88	200.572		
5,300.00	5,172.19	4,441.92	4,411.15	27.30	21.32	161.83	-1,907.63	-7,520.97	8,831.87	8,787.09	44.78	197.249		
5,400.00	5,269.38	4,539.75	4,508.94	27.83	22.18	162.01	-1,897.84	-7,537.29	8,861.82	8,815.70	46.11	192.169		
5,457.75	5,325.51	4,653.65	4,621.69	28.14	22.34	162.04	-1,896.55	-7,540.22	8,879.09	8,832.57	46.52	190.877		
5,500.00	5,366.64	5,218.54	5,185.49	28.37	24.81	162.48	-1,886.40	-7,570.32	8,890.25	8,840.78	49.47	179.713		
5,600.00	5,464.53	5,317.42	5,284.35	28.87	25.21	162.66	-1,885.65	-7,572.36	8,911.59	8,861.25	50.34	177.020		
5,700.00	5,563.07	5,420.46	5,387.37	29.35	25.64	162.81	-1,885.13	-7,574.45	8,929.68	8,878.46	51.22	174.327		
5,800.00	5,662.15	5,541.50	5,508.38	29.80	26.13	162.93	-1,884.99	-7,576.58	8,944.29	8,892.12	52.17	171.430		
5,900.00	5,761.64	5,628.05	5,594.93	30.23	26.47	163.01	-1,885.26	-7,578.01	8,955.59	8,902.64	52.95	169.125		
6,000.00	5,861.42	5,725.75	5,692.61	30.64	26.87	163.07	-1,885.19	-7,579.79	8,963.65	8,909.87	53.77	166.695		
6,100.00	5,961.36	5,833.80	5,800.64	31.02	27.31	163.11	-1,885.04	-7,581.72	8,968.33	8,913.70	54.63	164.162		
6,138.64	6,000.00	5,876.30	5,843.13	31.16	27.49	-101.37	-1,884.97	-7,582.46	8,969.23	8,914.27	54.96	163.200		
6,200.00	6,061.36	5,931.88	5,898.71	31.38	27.72	-101.37	-1,884.81	-7,583.42	8,970.23	8,914.82	55.42	161.873		
6,300.00	6,161.36	6,017.12	5,983.93	31.74	28.07	-101.37	-1,884.80	-7,585.00	8,972.05	8,915.91	56.14	159.827		
6,400.00	6,261.36	6,206.20	6,172.99	32.10	28.83	-101.37	-1,885.51	-7,587.64	8,973.55	8,916.21	57.34	156.510		
6,500.00	6,361.36	6,282.00	6,248.78	32.46	29.13	-101.37	-1,885.91	-7,588.35	8,974.57	8,916.56	58.01	154.704		
6,562.02	6,423.38	6,359.71	6,326.49	32.68	29.44	-101.37	-1,886.37	-7,589.11	8,975.24	8,916.67	58.57	153.235		
6,600.00	6,461.34	6,400.37	6,367.14	32.82	29.60	-11.09	-1,886.74	-7,589.42	8,974.48	8,915.61	58.87	152.436		
6,650.00	6,511.08	6,439.17	6,405.93	32.99	29.75	-11.18	-1,887.70	-7,589.62	8,970.13	8,910.95	59.18	151.564		
6,700.00	6,560.29	6,459.45	6,426.19	33.17	29.82	-11.33	-1,888.63	-7,589.68	8,962.07	8,902.67	59.40	150.887		
6,750.00	6,608.64	6,473.00	6,439.71	33.36	29.87	-11.55	-1,889.50	-7,589.71	8,950.40	8,890.84	59.56	150.264		
6,800.00	6,655.86	6,505.00	6,471.57	33.56	29.99	-11.88	-1,892.46	-7,589.71	8,935.18	8,875.38	59.79	149.433		
6,850.00	6,701.64	6,516.02	6,482.51	33.78	30.02	-12.27	-1,893.79	-7,589.69	8,916.49	8,856.57	59.92	148.807		
6,900.00	6,745.71	6,537.00	6,503.28	34.01	30.10	-12.79	-1,896.75	-7,589.64	8,894.47	8,834.39	60.07	148.062		
6,950.00	6,787.79	6,537.00	6,503.28	34.27	30.10	-13.39	-1,896.75	-7,589.64	8,869.22	8,809.09	60.13	147.508		
7,000.00	6,827.62	6,550.61	6,516.71	34.56	30.14	-14.16	-1,898.97	-7,589.61	8,840.90	8,780.67	60.22	146.801		
7,050.00	6,864.96	6,569.00	6,534.79	34.87	30.20	-15.12	-1,902.36	-7,589.61	8,809.69	8,749.36	60.33	146.024		
7,100.00	6,899.58	6,569.00	6,534.79	35.21	30.20	-16.25	-1,902.36	-7,589.61	8,775.70	8,715.35	60.35	145.403		
7,150.00	6,931.26	6,569.00	6,534.79	35.60	30.20	-17.65	-1,902.36	-7,589.61	8,739.18	8,678.81	60.37	144.757		
7,200.00	6,959.81	6,569.00	6,534.79	36.02	30.20	-19.42	-1,902.36	-7,589.61	8,700.33	8,639.95	60.38	144.085		
7,250.00	6,985.06	6,583.89	6,549.36	36.47	30.25	-21.77	-1,905.42	-7,589.64	8,659.30	8,598.84	60.45	143.242		
7,300.00	7,006.84	6,588.11	6,553.47	36.97	30.26	-24.78	-1,906.34	-7,589.66	8,616.38	8,555.91	60.48	142.471		
7,350.00	7,025.02	6,600.00	6,565.05	37.51	30.30	-28.89	-1,909.06	-7,589.73	8,571.83	8,511.29	60.54	141.597		
7,400.00	7,039.49	6,600.00	6,565.05	38.09	30.30	-34.43	-1,909.06	-7,589.73	8,525.84	8,465.29	60.55	140.806		
7,450.00	7,050.17	6,600.00	6,565.05	38.70	30.30	-42.32	-1,909.06	-7,589.73	8,478.71	8,418.14	60.57	139.984		
7,500.00	7,056.98	6,600.00	6,565.05	39.33	30.30	-53.75	-1,909.06	-7,589.73	8,430.72	8,370.13	60.60	139.131		
7,550.00	7,059.89	6,600.00	6,565.05	39.99	30.30	-69.89	-1,909.06	-7,589.73	8,382.16	8,321.53	60.63	138.249		
7,560.55	7,060.00	6,600.00	6,565.05	40.13	30.30	-73.91	-1,909.06	-7,589.73	8,371.87	8,311.23	60.64	138.058		
7,600.00	7,060.09	6,600.00	6,565.05	40.67	30.30	-73.91	-1,909.06	-7,589.73	8,333.36	8,272.69	60.67	137.346		
7,700.00	7,060.32	6,600.00	6,565.05	42.14	30.30	-73.91	-1,909.06	-7,589.73	8,235.80	8,175.03	60.77	135.522		
7,800.00	7,060.55	6,600.00	6,565.05	43.75	30.30	-73.91	-1,909.06	-7,589.73	8,138.30	8,077.41	60.89	133.666		
7,900.00	7,060.78	6,600.00	6,565.05	45.48	30.30	-73.91	-1,909.06	-7,589.73	8,040.85	7,979.83	61.02	131.779		
8,000.00	7,061.01	6,600.00	6,565.05	47.33	30.30	-73.91	-1,909.06	-7,589.73	7,943.47	7,882.30	61.17	129.860		
8,100.00	7,061.24	6,600.00	6,565.05	49.27	30.30	-73.91	-1,909.06	-7,589.73	7,846.16	7,784.82	61.34	127.908		
8,200.00	7,061.47	6,600.00	6,565.05	51.29	30.30	-73.91	-1,909.06	-7,589.73	7,748.91	7,687.38	61.54	125.926		
8,300.00	7,061.70	6,600.00	6,565.05	53.40	30.30	-73.91	-1,909.06	-7,589.73	7,651.74	7,589.99	61.75	123.911		
8,400.00	7,061.93	6,600.00	6,565.05	55.57	30.30	-73.91	-1,909.06	-7,589.73	7,554.64	7,492.65	61.99	121.866		
8,500.00	7,062.16	6,600.00	6,565.05	57.80	30.30	-73.91	-1,909.06	-7,589.73	7,457.61	7,395.36	62.26	119.790		
8,600.00	7,062.39	6,600.00	6,565.05	60.08	30.30	-73.91	-1,909.06	-7,589.73	7,360.67	7,298.12	62.55	117.685		
8,700.00	7,062.63	6,600.00	6,565.05	62.42	30.30	-73.91	-1,909.06	-7,589.73	7,263.81	7,200.94	62.86	115.550		
8,800.00	7,062.86	6,600.00	6,565.05	64.79	30.30	-73.91	-1,909.06	-7,589.73	7,167.03	7,103.82	63.21	113.388		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	6,600.00	6,565.05	67.20	30.30	-73.91	-1,909.06	-7,589.73	7,070.35	7,006.76	63.58	111.199		
9,000.00	7,063.32	6,600.00	6,565.05	69.65	30.30	-73.91	-1,909.06	-7,589.73	6,973.75	6,909.77	63.99	108.985		
9,100.00	7,063.55	6,600.00	6,565.05	72.12	30.30	-73.91	-1,909.06	-7,589.73	6,877.26	6,812.83	64.43	106.747		
9,200.00	7,063.78	6,600.00	6,565.05	74.63	30.30	-73.91	-1,909.06	-7,589.73	6,780.87	6,715.97	64.90	104.486		
9,300.00	7,064.01	6,600.00	6,565.05	77.16	30.30	-73.91	-1,909.06	-7,589.73	6,684.58	6,619.18	65.40	102.206		
9,400.00	7,064.24	6,600.00	6,565.05	79.71	30.30	-73.91	-1,909.06	-7,589.73	6,588.40	6,522.46	65.95	99.907		
9,500.00	7,064.47	6,600.00	6,565.05	82.28	30.30	-73.91	-1,909.06	-7,589.73	6,492.34	6,425.82	66.53	97.592		
9,600.00	7,064.70	6,600.00	6,565.05	84.87	30.30	-73.91	-1,909.06	-7,589.73	6,396.40	6,329.26	67.14	95.264		
9,700.00	7,064.93	6,600.00	6,565.05	87.47	30.30	-73.91	-1,909.06	-7,589.73	6,300.59	6,232.78	67.80	92.923		
9,800.00	7,065.16	6,600.00	6,565.05	90.09	30.30	-73.91	-1,909.06	-7,589.73	6,204.90	6,136.40	68.51	90.574		
9,900.00	7,065.39	6,600.00	6,565.05	92.73	30.30	-73.91	-1,909.06	-7,589.73	6,109.36	6,040.11	69.25	88.218		
10,000.00	7,065.62	6,600.00	6,565.05	95.38	30.30	-73.91	-1,909.06	-7,589.73	6,013.96	5,943.92	70.04	85.859		
10,100.00	7,065.85	6,600.00	6,565.05	98.04	30.30	-73.91	-1,909.06	-7,589.73	5,918.72	5,847.83	70.88	83.498		
10,200.00	7,066.08	6,600.00	6,565.05	100.71	30.30	-73.91	-1,909.06	-7,589.73	5,823.63	5,751.85	71.77	81.139		
10,300.00	7,066.31	6,600.00	6,565.05	103.39	30.30	-73.91	-1,909.06	-7,589.73	5,728.71	5,655.99	72.71	78.784		
10,400.00	7,066.54	6,600.00	6,565.05	106.08	30.30	-73.91	-1,909.06	-7,589.73	5,633.96	5,560.26	73.71	76.437		
10,500.00	7,066.77	6,600.00	6,565.05	108.78	30.30	-73.91	-1,909.06	-7,589.73	5,539.40	5,464.65	74.76	74.099		
10,600.00	7,067.01	6,600.00	6,565.05	111.48	30.30	-73.91	-1,909.06	-7,589.73	5,445.04	5,369.17	75.86	71.774		
10,700.00	7,067.24	6,600.00	6,565.05	114.20	30.30	-73.91	-1,909.06	-7,589.73	5,350.88	5,273.85	77.03	69.465		
10,800.00	7,067.47	6,600.00	6,565.05	116.92	30.30	-73.91	-1,909.06	-7,589.73	5,256.93	5,178.67	78.26	67.173		
10,900.00	7,067.70	6,600.00	6,565.05	119.65	30.30	-73.91	-1,909.06	-7,589.73	5,163.21	5,083.66	79.55	64.903		
11,000.00	7,067.93	6,600.00	6,565.05	122.38	30.30	-73.91	-1,909.06	-7,589.73	5,069.74	4,988.82	80.92	62.655		
11,100.00	7,068.16	6,600.00	6,565.05	125.12	30.30	-73.91	-1,909.06	-7,589.73	4,976.51	4,894.17	82.35	60.433		
11,200.00	7,068.39	6,600.00	6,565.05	127.86	30.30	-73.91	-1,909.06	-7,589.73	4,883.56	4,799.70	83.85	58.239		
11,300.00	7,068.62	6,600.00	6,565.05	130.61	30.30	-73.91	-1,909.06	-7,589.73	4,790.88	4,705.45	85.44	56.076		
11,400.00	7,068.85	6,600.00	6,565.05	133.37	30.30	-73.91	-1,909.06	-7,589.73	4,698.51	4,611.41	87.10	53.945		
11,500.00	7,069.08	6,600.00	6,565.05	136.12	30.30	-73.91	-1,909.06	-7,589.73	4,606.46	4,517.61	88.85	51.848		
11,600.00	7,069.31	6,600.00	6,565.05	138.89	30.30	-73.91	-1,909.06	-7,589.73	4,514.75	4,424.07	90.68	49.788		
11,700.00	7,069.54	6,600.00	6,565.05	141.65	30.30	-73.91	-1,909.06	-7,589.73	4,423.39	4,330.78	92.61	47.766		
11,800.00	7,069.77	6,600.00	6,565.05	144.42	30.30	-73.91	-1,909.06	-7,589.73	4,332.42	4,237.79	94.63	45.784		
11,900.00	7,070.00	6,600.00	6,565.05	147.19	30.30	-73.91	-1,909.06	-7,589.73	4,241.85	4,145.10	96.75	43.843		
12,000.00	7,070.23	6,600.00	6,565.05	149.97	30.30	-73.91	-1,909.06	-7,589.73	4,151.71	4,052.73	98.98	41.946		
12,100.00	7,070.46	6,600.00	6,565.05	152.75	30.30	-73.91	-1,909.06	-7,589.73	4,062.04	3,960.72	101.32	40.092		
12,200.00	7,070.69	6,600.00	6,565.05	155.53	30.30	-73.91	-1,909.06	-7,589.73	3,972.86	3,869.09	103.77	38.285		
12,300.00	7,070.92	6,600.00	6,565.05	158.32	30.30	-73.91	-1,909.06	-7,589.73	3,884.21	3,777.86	106.35	36.524		
12,400.00	7,071.16	6,600.00	6,565.05	161.10	30.30	-73.91	-1,909.06	-7,589.73	3,796.12	3,687.07	109.05	34.811		
12,500.00	7,071.39	6,600.00	6,565.05	163.89	30.30	-73.91	-1,909.06	-7,589.73	3,708.63	3,596.75	111.89	33.146		
12,600.00	7,071.62	6,600.00	6,565.05	166.69	30.30	-73.91	-1,909.06	-7,589.73	3,621.80	3,506.93	114.86	31.531		
12,700.00	7,071.85	6,600.00	6,565.05	169.48	30.30	-73.91	-1,909.06	-7,589.73	3,535.66	3,417.67	117.99	29.966		
12,800.00	7,072.08	6,600.00	6,565.05	172.28	30.30	-73.91	-1,909.06	-7,589.73	3,450.26	3,329.00	121.27	28.452		
12,900.00	7,072.31	6,611.49	6,576.19	175.08	30.34	-74.27	-1,911.87	-7,589.82	3,365.59	3,240.70	124.89	26.947		
13,000.00	7,072.54	6,611.81	6,576.50	177.88	30.34	-74.28	-1,911.95	-7,589.82	3,281.87	3,153.35	128.52	25.537		
13,100.00	7,072.77	6,612.14	6,576.82	180.68	30.34	-74.29	-1,912.03	-7,589.83	3,199.07	3,066.76	132.31	24.178		
13,200.00	7,073.00	6,612.47	6,577.14	183.48	30.34	-74.30	-1,912.11	-7,589.83	3,117.29	2,980.99	136.29	22.872		
13,300.00	7,073.23	6,612.81	6,577.47	186.29	30.34	-74.31	-1,912.20	-7,589.83	3,036.59	2,896.13	140.47	21.618		
13,400.00	7,073.46	6,613.15	6,577.80	189.09	30.34	-74.32	-1,912.29	-7,589.84	2,957.08	2,812.24	144.84	20.416		
13,500.00	7,073.69	6,613.50	6,578.13	191.90	30.34	-74.33	-1,912.37	-7,589.84	2,878.84	2,729.43	149.42	19.267		
13,600.00	7,073.92	6,613.85	6,578.47	194.71	30.34	-74.34	-1,912.46	-7,589.84	2,801.99	2,647.79	154.21	18.171		
13,700.00	7,074.15	6,614.20	6,578.81	197.52	30.34	-74.35	-1,912.55	-7,589.85	2,726.64	2,567.43	159.21	17.126		
13,800.00	7,074.38	6,614.56	6,579.16	200.34	30.34	-74.37	-1,912.65	-7,589.85	2,652.92	2,488.49	164.43	16.134		
13,900.00	7,074.61	6,614.93	6,579.51	203.15	30.35	-74.38	-1,912.74	-7,589.85	2,580.97	2,411.10	169.86	15.194		
14,000.00	7,074.84	6,615.30	6,579.87	205.97	30.35	-74.39	-1,912.83	-7,589.86	2,510.94	2,335.42	175.52	14.306		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,075.07	6,615.67	6,580.24	208.78	30.35	-74.40	-1,912.93	-7,589.86	2,442.99	2,261.62	181.38	13.469		
14,200.00	7,075.30	6,616.05	6,580.60	211.60	30.35	-74.41	-1,913.03	-7,589.87	2,377.32	2,189.88	187.44	12.683		
14,300.00	7,075.54	6,616.44	6,580.98	214.42	30.35	-74.43	-1,913.13	-7,589.87	2,314.10	2,120.41	193.68	11.948		
14,400.00	7,075.77	6,616.83	6,581.36	217.24	30.35	-74.44	-1,913.23	-7,589.87	2,253.54	2,053.45	200.09	11.263		
14,500.00	7,076.00	6,617.23	6,581.74	220.06	30.35	-74.45	-1,913.33	-7,589.88	2,195.87	1,989.24	206.64	10.627		
14,600.00	7,076.23	6,617.63	6,582.13	222.88	30.35	-74.46	-1,913.44	-7,589.88	2,141.32	1,928.05	213.28	10.040		
14,700.00	7,076.46	6,618.04	6,582.53	225.70	30.36	-74.48	-1,913.54	-7,589.89	2,090.14	1,870.16	219.97	9.502		
14,800.00	7,076.69	6,618.46	6,582.93	228.53	30.36	-74.49	-1,913.65	-7,589.89	2,042.56	1,815.90	226.67	9.011		
14,900.00	7,076.92	6,618.88	6,583.34	231.35	30.36	-74.50	-1,913.76	-7,589.90	1,998.87	1,765.57	233.30	8.568		
15,000.00	7,077.15	6,619.31	6,583.75	234.18	30.36	-74.52	-1,913.87	-7,589.90	1,959.30	1,719.51	239.79	8.171		
15,100.00	7,077.38	6,619.74	6,584.17	237.00	30.36	-74.53	-1,913.98	-7,589.91	1,924.13	1,678.06	246.07	7.819		
15,200.00	7,077.61	6,620.19	6,584.59	239.83	30.36	-74.54	-1,914.10	-7,589.91	1,893.59	1,641.53	252.05	7.513		
15,300.00	7,077.84	6,620.63	6,585.03	242.66	30.36	-74.56	-1,914.22	-7,589.92	1,867.90	1,610.25	257.65	7.250		
15,400.00	7,078.07	6,621.09	6,585.47	245.49	30.36	-74.57	-1,914.34	-7,589.92	1,847.28	1,584.51	262.77	7.030		
15,500.00	7,078.30	6,621.55	6,585.91	248.31	30.37	-74.59	-1,914.46	-7,589.93	1,831.90	1,564.55	267.35	6.852		
15,600.00	7,078.53	6,632.00	6,595.97	251.14	30.40	-74.92	-1,917.28	-7,590.07	1,821.97	1,550.28	271.70	6.706		
15,700.00	7,078.76	6,632.00	6,595.97	253.97	30.40	-74.92	-1,917.28	-7,590.07	1,817.40	1,542.45	274.95	6.610		
15,733.22	7,078.84	6,632.00	6,595.97	254.91	30.40	-74.92	-1,917.28	-7,590.07	1,817.10	1,541.22	275.88	6.587 CC		
15,800.00	7,078.99	6,632.00	6,595.97	256.80	30.40	-74.92	-1,917.28	-7,590.07	1,818.32	1,540.83	277.49	6.553 ES		
15,900.00	7,079.22	6,632.00	6,595.97	259.64	30.40	-74.92	-1,917.28	-7,590.07	1,824.73	1,545.45	279.28	6.534 SF		
16,000.00	7,079.45	6,632.00	6,595.97	262.47	30.40	-74.92	-1,917.28	-7,590.07	1,836.58	1,556.24	280.34	6.551		
16,100.00	7,079.69	6,632.00	6,595.97	265.30	30.40	-74.92	-1,917.28	-7,590.07	1,853.74	1,573.07	280.67	6.605		
16,200.00	7,079.92	6,632.00	6,595.97	268.13	30.40	-74.92	-1,917.28	-7,590.07	1,876.09	1,595.77	280.32	6.693		
16,300.00	7,080.15	6,632.00	6,595.97	270.97	30.40	-74.92	-1,917.28	-7,590.07	1,903.44	1,624.11	279.33	6.814		
16,400.00	7,080.38	6,632.00	6,595.97	273.80	30.40	-74.92	-1,917.28	-7,590.07	1,935.57	1,657.79	277.78	6.968		
16,500.00	7,080.61	6,632.00	6,595.97	276.64	30.40	-74.92	-1,917.28	-7,590.07	1,972.26	1,696.54	275.72	7.153		
16,600.00	7,080.84	6,632.00	6,595.97	279.47	30.40	-74.92	-1,917.28	-7,590.07	2,013.24	1,740.01	273.23	7.368		
16,700.00	7,081.07	6,632.00	6,595.97	282.31	30.40	-74.92	-1,917.28	-7,590.07	2,058.28	1,787.90	270.38	7.613		
16,800.00	7,081.30	6,632.00	6,595.97	285.14	30.40	-74.92	-1,917.28	-7,590.07	2,107.10	1,839.86	267.24	7.885		
16,900.00	7,081.53	6,632.00	6,595.97	287.98	30.40	-74.92	-1,917.28	-7,590.07	2,159.45	1,895.58	263.87	8.184		
17,000.00	7,081.76	6,632.00	6,595.97	290.82	30.40	-74.92	-1,917.28	-7,590.07	2,215.08	1,954.74	260.34	8.509		
17,100.00	7,081.99	6,632.00	6,595.97	293.65	30.40	-74.92	-1,917.28	-7,590.07	2,273.75	2,017.07	256.68	8.858		
17,200.00	7,082.22	6,632.00	6,595.97	296.49	30.40	-74.92	-1,917.28	-7,590.07	2,335.23	2,082.27	252.95	9.232		
17,300.00	7,082.45	6,632.00	6,595.97	299.33	30.40	-74.92	-1,917.28	-7,590.07	2,399.30	2,150.11	249.19	9.628		
17,400.00	7,082.68	6,632.00	6,595.97	302.17	30.40	-74.92	-1,917.28	-7,590.07	2,465.77	2,220.34	245.43	10.047		
17,500.00	7,082.91	6,632.00	6,595.97	305.01	30.40	-74.92	-1,917.28	-7,590.07	2,534.43	2,292.75	241.69	10.487		
17,600.00	7,083.14	6,632.00	6,595.97	307.85	30.40	-74.92	-1,917.28	-7,590.07	2,605.13	2,367.14	237.99	10.946		
17,700.00	7,083.37	6,632.00	6,595.97	310.69	30.40	-74.92	-1,917.28	-7,590.07	2,677.70	2,443.35	234.35	11.426		
17,800.00	7,083.60	6,632.00	6,595.97	313.53	30.40	-74.92	-1,917.28	-7,590.07	2,751.99	2,521.19	230.79	11.924		
17,900.00	7,083.84	6,632.00	6,595.97	316.37	30.40	-74.92	-1,917.28	-7,590.07	2,827.86	2,600.54	227.32	12.440		
18,000.00	7,084.07	6,632.00	6,595.97	319.21	30.40	-74.92	-1,917.28	-7,590.07	2,905.19	2,681.26	223.94	12.973		
18,100.00	7,084.30	6,632.00	6,595.97	322.05	30.40	-74.92	-1,917.28	-7,590.07	2,983.87	2,763.22	220.65	13.523		
18,200.00	7,084.53	6,632.00	6,595.97	324.89	30.40	-74.92	-1,917.28	-7,590.07	3,063.80	2,846.33	217.46	14.089		
18,300.00	7,084.76	6,632.00	6,595.97	327.73	30.40	-74.92	-1,917.28	-7,590.07	3,144.87	2,930.49	214.38	14.670		
18,400.00	7,084.99	6,632.00	6,595.97	330.57	30.40	-74.92	-1,917.28	-7,590.07	3,227.01	3,015.61	211.40	15.265		
18,500.00	7,085.22	6,632.00	6,595.97	333.41	30.40	-74.92	-1,917.28	-7,590.07	3,310.12	3,101.61	208.52	15.875		
18,600.00	7,085.45	6,632.00	6,595.97	336.26	30.40	-74.92	-1,917.28	-7,590.07	3,394.15	3,188.42	205.74	16.497		
18,700.00	7,085.68	6,632.00	6,595.97	339.10	30.40	-74.92	-1,917.28	-7,590.07	3,479.03	3,275.97	203.06	17.133		
18,800.00	7,085.91	6,632.00	6,595.97	341.94	30.40	-74.92	-1,917.28	-7,590.07	3,564.69	3,364.22	200.47	17.782		
18,839.14	7,086.00	6,632.00	6,595.97	343.06	30.40	-74.92	-1,917.28	-7,590.07	3,598.42	3,398.93	199.48	18.039		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-106.83	-2,152.01	-7,112.13	7,430.59					
100.00	100.00	112.85	112.85	3.28	3.29	-106.84	-2,152.20	-7,111.89	7,430.44	7,423.87	6.57	1,130.261		
200.00	200.00	203.63	203.63	3.34	3.33	-106.84	-2,152.68	-7,111.45	7,430.14	7,423.47	6.67	1,114.505		
248.00	248.00	238.00	238.00	3.38	3.36	-106.84	-2,152.98	-7,111.32	7,430.08	7,423.34	6.74	1,102.211		
300.00	300.00	262.55	262.55	3.44	3.38	-106.85	-2,153.22	-7,111.28	7,430.17	7,423.34	6.83	1,088.147		
400.00	399.98	306.28	306.27	3.60	3.43	157.63	-2,153.60	-7,111.51	7,432.53	7,425.50	7.04	1,056.504		
500.00	499.84	452.62	452.60	3.80	3.67	157.60	-2,155.05	-7,112.65	7,438.50	7,431.04	7.47	995.903		
600.00	599.45	581.49	581.45	4.04	3.96	157.55	-2,156.83	-7,112.42	7,446.78	7,438.78	7.99	931.502		
700.00	698.70	713.47	713.43	4.31	4.31	157.50	-2,158.33	-7,111.85	7,457.98	7,449.36	8.62	865.202		
800.00	797.47	796.44	796.38	4.62	4.55	157.42	-2,159.57	-7,111.35	7,472.29	7,463.12	9.17	814.780		
900.00	895.62	940.50	940.42	4.97	5.01	157.35	-2,161.65	-7,110.20	7,489.64	7,479.67	9.96	751.711		
980.89	974.49	1,027.13	1,027.05	5.27	5.30	157.27	-2,162.65	-7,109.11	7,505.54	7,495.00	10.54	711.870		
1,000.00	993.07	1,043.28	1,043.19	5.34	5.36	157.28	-2,162.77	-7,108.93	7,509.56	7,498.89	10.67	703.741		
1,100.00	1,090.26	1,126.09	1,126.00	5.75	5.65	157.34	-2,163.13	-7,108.21	7,530.68	7,519.35	11.33	664.854		
1,200.00	1,187.45	1,225.45	1,225.35	6.17	6.00	157.40	-2,163.44	-7,107.52	7,551.93	7,539.86	12.07	625.824		
1,300.00	1,284.64	1,310.14	1,310.04	6.62	6.32	157.46	-2,163.75	-7,106.90	7,573.18	7,560.41	12.78	592.738		
1,400.00	1,381.83	1,416.47	1,416.36	7.07	6.72	157.53	-2,164.13	-7,106.30	7,594.60	7,581.01	13.59	559.034		
1,500.00	1,479.01	1,520.51	1,520.41	7.54	7.11	157.60	-2,164.12	-7,105.58	7,615.79	7,601.39	14.40	528.934		
1,600.00	1,576.20	1,631.27	1,631.16	8.02	7.54	157.67	-2,164.08	-7,104.73	7,636.92	7,621.67	15.25	500.710		
1,700.00	1,673.39	1,706.64	1,706.54	8.50	7.83	157.72	-2,164.07	-7,104.18	7,658.10	7,642.12	15.98	479.308		
1,800.00	1,770.58	1,808.91	1,808.80	8.99	8.24	157.79	-2,164.32	-7,103.52	7,679.44	7,662.62	16.82	456.485		
1,900.00	1,867.77	1,867.05	1,866.94	9.48	8.46	157.83	-2,164.54	-7,103.19	7,700.92	7,683.43	17.49	440.382		
2,000.00	1,964.96	1,917.00	1,916.89	9.98	8.66	157.86	-2,164.41	-7,103.32	7,722.99	7,704.87	18.12	426.234		
2,100.00	2,062.15	1,976.79	1,976.67	10.49	8.88	157.91	-2,163.82	-7,103.93	7,745.60	7,726.82	18.79	412.328		
2,200.00	2,159.34	2,042.51	2,042.37	10.99	9.13	157.96	-2,162.60	-7,105.11	7,768.68	7,749.21	19.48	398.845		
2,300.00	2,256.53	2,126.77	2,126.56	11.50	9.45	158.04	-2,159.88	-7,107.21	7,792.07	7,771.82	20.25	384.792		
2,400.00	2,353.71	2,273.12	2,272.62	12.01	10.02	158.21	-2,151.87	-7,111.39	7,815.26	7,793.98	21.29	367.152		
2,500.00	2,450.90	2,408.03	2,407.15	12.53	10.55	158.37	-2,142.33	-7,114.96	7,837.85	7,815.56	22.29	351.657		
2,600.00	2,548.09	2,457.89	2,456.83	13.04	10.76	158.44	-2,138.40	-7,116.49	7,860.60	7,837.66	22.94	342.695		
2,700.00	2,645.28	2,555.31	2,553.83	13.56	11.15	158.56	-2,130.09	-7,119.94	7,883.71	7,859.92	23.79	331.322		
2,800.00	2,742.47	2,660.79	2,658.77	14.08	11.59	158.71	-2,120.05	-7,123.71	7,906.64	7,881.95	24.69	320.175		
2,900.00	2,839.66	2,737.05	2,734.54	14.60	11.91	158.82	-2,112.07	-7,126.68	7,929.69	7,904.22	25.47	311.315		
3,000.00	2,936.85	2,808.37	2,805.34	15.12	12.21	158.93	-2,103.95	-7,129.85	7,953.06	7,926.83	26.23	303.211		
3,100.00	3,034.04	2,881.06	2,877.47	15.65	12.52	159.04	-2,095.68	-7,133.32	7,976.77	7,949.78	27.00	295.475		
3,200.00	3,131.22	2,963.21	2,959.04	16.17	12.88	159.16	-2,086.77	-7,137.29	8,000.74	7,972.93	27.81	287.692		
3,300.00	3,228.41	3,017.40	3,012.86	16.69	13.11	159.24	-2,081.10	-7,140.05	8,025.06	7,996.57	28.49	281.643		
3,400.00	3,325.60	3,079.55	3,074.57	17.22	13.39	159.33	-2,074.57	-7,143.55	8,049.91	8,020.69	29.22	275.538		
3,500.00	3,422.79	3,176.22	3,170.55	17.75	13.81	159.47	-2,064.56	-7,149.15	8,075.00	8,044.89	30.10	268.231		
3,600.00	3,519.98	3,359.43	3,352.66	18.27	14.62	159.72	-2,046.72	-7,158.33	8,099.56	8,068.14	31.42	257.803		
3,700.00	3,617.17	3,456.01	3,448.64	18.80	15.06	159.86	-2,036.91	-7,162.75	8,123.66	8,091.35	32.32	251.383		
3,800.00	3,714.36	3,569.21	3,561.11	19.33	15.57	160.01	-2,025.10	-7,167.73	8,147.56	8,114.26	33.30	244.672		
3,900.00	3,811.55	3,641.15	3,632.59	19.86	15.89	160.11	-2,017.63	-7,170.96	8,171.61	8,137.53	34.08	239.765		
4,000.00	3,908.74	3,698.78	3,689.84	20.39	16.16	160.19	-2,011.69	-7,173.77	8,196.08	8,161.29	34.79	235.573		
4,100.00	4,005.92	3,779.37	3,769.91	20.92	16.53	160.30	-2,003.52	-7,177.99	8,220.95	8,185.33	35.62	230.810		
4,200.00	4,103.11	3,851.51	3,841.58	21.45	16.86	160.40	-1,996.29	-7,181.80	8,245.96	8,209.56	36.40	226.525		
4,300.00	4,200.30	3,913.00	3,902.60	21.98	17.14	160.49	-1,989.66	-7,185.47	8,271.44	8,234.30	37.13	222.758		
4,400.00	4,297.49	3,985.09	3,974.08	22.51	17.48	160.59	-1,981.51	-7,190.11	8,297.28	8,259.36	37.92	218.813		
4,500.00	4,394.68	4,084.09	4,072.18	23.04	17.95	160.74	-1,969.93	-7,196.64	8,323.26	8,284.41	38.85	214.235		
4,600.00	4,491.87	4,257.74	4,244.28	23.57	18.77	160.99	-1,949.22	-7,206.89	8,348.45	8,308.26	40.18	207.771		
4,700.00	4,589.06	4,355.34	4,341.13	24.10	19.23	161.13	-1,938.34	-7,212.25	8,373.61	8,332.50	41.11	203.700		
4,800.00	4,686.25	4,568.58	4,552.95	24.64	20.23	161.41	-1,915.60	-7,221.52	8,397.57	8,354.93	42.64	196.943		
4,900.00	4,783.43	4,700.92	4,684.50	25.17	20.85	161.58	-1,901.97	-7,226.11	8,421.08	8,377.34	43.75	192.504		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,062.86	6,572.00	6,554.00	64.79	28.62	-73.45	-1,890.94	-7,250.84	6,836.26	6,773.77	62.49	109.390		
8,900.00	7,063.09	6,572.00	6,554.00	67.20	28.62	-73.45	-1,890.94	-7,250.84	6,739.86	6,676.97	62.89	107.164		
9,000.00	7,063.32	6,572.00	6,554.00	69.65	28.62	-73.45	-1,890.94	-7,250.84	6,643.57	6,580.24	63.32	104.913		
9,100.00	7,063.55	6,572.00	6,554.00	72.12	28.62	-73.45	-1,890.94	-7,250.84	6,547.38	6,483.59	63.79	102.638		
9,200.00	7,063.78	6,572.00	6,554.00	74.63	28.62	-73.45	-1,890.94	-7,250.84	6,451.32	6,387.02	64.29	100.340		
9,300.00	7,064.01	6,572.00	6,554.00	77.16	28.62	-73.45	-1,890.94	-7,250.84	6,355.37	6,290.53	64.84	98.023		
9,400.00	7,064.24	6,583.48	6,565.35	79.71	28.66	-73.81	-1,892.58	-7,251.25	6,259.51	6,194.02	65.49	95.580		
9,500.00	7,064.47	6,584.56	6,566.42	82.28	28.67	-73.84	-1,892.74	-7,251.29	6,163.82	6,097.70	66.12	93.221		
9,600.00	7,064.70	6,585.65	6,567.50	84.87	28.67	-73.88	-1,892.91	-7,251.33	6,068.26	6,001.47	66.79	90.850		
9,700.00	7,064.93	6,586.75	6,568.58	87.47	28.68	-73.91	-1,893.07	-7,251.37	5,972.85	5,905.34	67.51	88.469		
9,800.00	7,065.16	6,587.85	6,569.66	90.09	28.68	-73.95	-1,893.24	-7,251.41	5,877.59	5,809.31	68.28	86.081		
9,900.00	7,065.39	6,588.95	6,570.76	92.73	28.68	-73.98	-1,893.42	-7,251.46	5,782.49	5,713.39	69.09	83.689		
10,000.00	7,065.62	6,590.07	6,571.86	95.38	28.69	-74.02	-1,893.59	-7,251.50	5,687.56	5,617.59	69.96	81.297		
10,100.00	7,065.85	6,591.19	6,572.96	98.04	28.69	-74.05	-1,893.77	-7,251.54	5,592.80	5,521.92	70.88	78.906		
10,200.00	7,066.08	6,592.31	6,574.07	100.71	28.70	-74.09	-1,893.94	-7,251.58	5,498.22	5,426.37	71.85	76.520		
10,300.00	7,066.31	6,604.00	6,585.59	103.39	28.74	-74.46	-1,895.89	-7,252.03	5,403.88	5,330.92	72.97	74.060		
10,400.00	7,066.54	6,604.00	6,585.59	106.08	28.74	-74.46	-1,895.89	-7,252.03	5,309.70	5,235.65	74.05	71.704		
10,500.00	7,066.77	6,604.00	6,585.59	108.78	28.74	-74.46	-1,895.89	-7,252.03	5,215.74	5,140.54	75.20	69.363		
10,600.00	7,067.01	6,604.00	6,585.59	111.48	28.74	-74.46	-1,895.89	-7,252.03	5,122.01	5,045.60	76.40	67.038		
10,700.00	7,067.24	6,604.00	6,585.59	114.20	28.74	-74.46	-1,895.89	-7,252.03	5,028.51	4,950.83	77.68	64.733		
10,800.00	7,067.47	6,604.00	6,585.59	116.92	28.74	-74.46	-1,895.89	-7,252.03	4,935.27	4,856.25	79.03	62.450		
10,900.00	7,067.70	6,604.00	6,585.59	119.65	28.74	-74.46	-1,895.89	-7,252.03	4,842.30	4,761.86	80.45	60.193		
11,000.00	7,067.93	6,604.00	6,585.59	122.38	28.74	-74.46	-1,895.89	-7,252.03	4,749.62	4,667.68	81.94	57.963		
11,100.00	7,068.16	6,604.00	6,585.59	125.12	28.74	-74.46	-1,895.89	-7,252.03	4,657.24	4,573.72	83.52	55.764		
11,200.00	7,068.39	6,604.00	6,585.59	127.86	28.74	-74.46	-1,895.89	-7,252.03	4,565.18	4,480.01	85.17	53.598		
11,300.00	7,068.62	6,604.00	6,585.59	130.61	28.74	-74.46	-1,895.89	-7,252.03	4,473.46	4,386.55	86.92	51.467		
11,400.00	7,068.85	6,604.00	6,585.59	133.37	28.74	-74.46	-1,895.89	-7,252.03	4,382.11	4,293.35	88.75	49.374		
11,500.00	7,069.08	6,604.00	6,585.59	136.12	28.74	-74.46	-1,895.89	-7,252.03	4,291.14	4,200.45	90.68	47.320		
11,600.00	7,069.31	6,604.00	6,585.59	138.89	28.74	-74.46	-1,895.89	-7,252.03	4,200.58	4,107.86	92.71	45.307		
11,700.00	7,069.54	6,604.00	6,585.59	141.65	28.74	-74.46	-1,895.89	-7,252.03	4,110.46	4,015.61	94.85	43.338		
11,800.00	7,069.77	6,613.20	6,594.64	144.42	28.77	-74.75	-1,897.52	-7,252.38	4,020.77	3,923.58	97.19	41.369		
11,900.00	7,070.00	6,614.72	6,596.13	147.19	28.78	-74.80	-1,897.80	-7,252.44	3,931.61	3,832.03	99.57	39.485		
12,000.00	7,070.23	6,616.23	6,597.61	149.97	28.78	-74.85	-1,898.08	-7,252.49	3,842.97	3,740.90	102.07	37.650		
12,100.00	7,070.46	6,617.73	6,599.08	152.75	28.79	-74.89	-1,898.36	-7,252.55	3,754.90	3,650.21	104.70	35.864		
12,200.00	7,070.69	6,619.22	6,600.54	155.53	28.79	-74.94	-1,898.64	-7,252.61	3,667.45	3,559.99	107.46	34.129		
12,300.00	7,070.92	6,620.70	6,602.00	158.32	28.80	-74.99	-1,898.92	-7,252.66	3,580.65	3,470.29	110.36	32.445		
12,400.00	7,071.16	6,622.18	6,603.44	161.10	28.80	-75.03	-1,899.21	-7,252.72	3,494.55	3,381.14	113.41	30.814		
12,500.00	7,071.39	6,623.64	6,604.88	163.89	28.81	-75.08	-1,899.49	-7,252.77	3,409.21	3,292.60	116.61	29.236		
12,600.00	7,071.62	6,625.10	6,606.31	166.69	28.82	-75.13	-1,899.77	-7,252.82	3,324.69	3,204.71	119.97	27.712		
12,700.00	7,071.85	6,635.00	6,616.00	169.48	28.85	-75.44	-1,901.77	-7,253.19	3,241.07	3,117.44	123.64	26.215		
12,800.00	7,072.08	6,635.00	6,616.00	172.28	28.85	-75.44	-1,901.77	-7,253.19	3,158.37	3,031.04	127.33	24.805		
12,900.00	7,072.31	6,635.00	6,616.00	175.08	28.85	-75.44	-1,901.77	-7,253.19	3,076.69	2,945.49	131.20	23.450		
13,000.00	7,072.54	6,635.00	6,616.00	177.88	28.85	-75.44	-1,901.77	-7,253.19	2,996.13	2,860.86	135.27	22.149		
13,100.00	7,072.77	6,635.00	6,616.00	180.68	28.85	-75.44	-1,901.77	-7,253.19	2,916.76	2,777.23	139.53	20.904		
13,200.00	7,073.00	6,635.00	6,616.00	183.48	28.85	-75.44	-1,901.77	-7,253.19	2,838.71	2,694.71	144.00	19.714		
13,300.00	7,073.23	6,635.00	6,616.00	186.29	28.85	-75.44	-1,901.77	-7,253.19	2,762.06	2,613.39	148.67	18.578		
13,400.00	7,073.46	6,635.00	6,616.00	189.09	28.85	-75.44	-1,901.77	-7,253.19	2,686.96	2,533.39	153.56	17.498		
13,500.00	7,073.69	6,635.00	6,616.00	191.90	28.85	-75.44	-1,901.77	-7,253.19	2,613.52	2,454.85	158.67	16.472		
13,600.00	7,073.92	6,635.00	6,616.00	194.71	28.85	-75.44	-1,901.77	-7,253.19	2,541.89	2,377.91	163.99	15.501		
13,700.00	7,074.15	6,635.00	6,616.00	197.52	28.85	-75.44	-1,901.77	-7,253.19	2,472.24	2,302.72	169.52	14.584		
13,800.00	7,074.38	6,635.00	6,616.00	200.34	28.85	-75.44	-1,901.77	-7,253.19	2,404.72	2,229.46	175.26	13.721		
13,900.00	7,074.61	6,635.00	6,616.00	203.15	28.85	-75.44	-1,901.77	-7,253.19	2,339.54	2,158.34	181.20	12.911		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	6,644.63	6,625.41	205.97	28.88	-75.75	-1,903.81	-7,253.53	2,276.82	2,089.26	187.55	12.139		
14,100.00	7,075.07	6,645.97	6,626.71	208.78	28.89	-75.79	-1,904.10	-7,253.58	2,216.88	2,023.01	193.88	11.434		
14,200.00	7,075.30	6,647.29	6,628.00	211.60	28.89	-75.83	-1,904.39	-7,253.62	2,159.91	1,959.58	200.33	10.782		
14,300.00	7,075.54	6,648.61	6,629.29	214.42	28.90	-75.88	-1,904.68	-7,253.67	2,106.15	1,899.27	206.88	10.180		
14,400.00	7,075.77	6,649.92	6,630.56	217.24	28.90	-75.92	-1,904.97	-7,253.71	2,055.84	1,842.36	213.48	9.630		
14,500.00	7,076.00	6,651.22	6,631.83	220.06	28.91	-75.96	-1,905.26	-7,253.76	2,009.26	1,789.18	220.08	9.130		
14,600.00	7,076.23	6,652.51	6,633.09	222.88	28.91	-76.00	-1,905.55	-7,253.80	1,966.65	1,740.05	226.60	8.679		
14,700.00	7,076.46	6,653.80	6,634.34	225.70	28.92	-76.04	-1,905.84	-7,253.85	1,928.29	1,695.31	232.98	8.277		
14,800.00	7,076.69	6,655.08	6,635.58	228.53	28.92	-76.08	-1,906.13	-7,253.89	1,894.44	1,655.30	239.14	7.922		
14,900.00	7,076.92	6,656.35	6,636.82	231.35	28.92	-76.12	-1,906.42	-7,253.94	1,865.34	1,620.35	244.98	7.614		
15,000.00	7,077.15	6,667.00	6,647.17	234.18	28.96	-76.46	-1,908.93	-7,254.29	1,841.28	1,590.53	250.76	7.343		
15,100.00	7,077.38	6,667.00	6,647.17	237.00	28.96	-76.46	-1,908.93	-7,254.29	1,822.31	1,566.62	255.69	7.127		
15,200.00	7,077.61	6,667.00	6,647.17	239.83	28.96	-76.46	-1,908.93	-7,254.29	1,808.68	1,548.61	260.07	6.955		
15,300.00	7,077.84	6,667.00	6,647.17	242.66	28.96	-76.46	-1,908.93	-7,254.29	1,800.50	1,536.69	263.81	6.825		
15,397.52	7,078.07	6,667.00	6,647.17	245.42	28.96	-76.46	-1,908.93	-7,254.29	1,797.86	1,531.05	266.81	6.738 CC		
15,400.00	7,078.07	6,667.00	6,647.17	245.49	28.96	-76.46	-1,908.93	-7,254.29	1,797.86	1,530.98	266.88	6.737 ES		
15,500.00	7,078.30	6,667.00	6,647.17	248.31	28.96	-76.46	-1,908.93	-7,254.29	1,800.78	1,531.55	269.23	6.689		
15,600.00	7,078.53	6,667.00	6,647.17	251.14	28.96	-76.46	-1,908.93	-7,254.29	1,809.23	1,538.37	270.85	6.680 SF		
15,700.00	7,078.76	6,667.00	6,647.17	253.97	28.96	-76.46	-1,908.93	-7,254.29	1,823.13	1,551.38	271.75	6.709		
15,800.00	7,078.99	6,667.00	6,647.17	256.80	28.96	-76.46	-1,908.93	-7,254.29	1,842.36	1,570.41	271.95	6.775		
15,900.00	7,079.22	6,667.00	6,647.17	259.64	28.96	-76.46	-1,908.93	-7,254.29	1,866.76	1,595.27	271.48	6.876		
16,000.00	7,079.45	6,667.00	6,647.17	262.47	28.96	-76.46	-1,908.93	-7,254.29	1,896.12	1,625.70	270.42	7.012		
16,100.00	7,079.69	6,667.00	6,647.17	265.30	28.96	-76.46	-1,908.93	-7,254.29	1,930.23	1,661.42	268.81	7.181		
16,200.00	7,079.92	6,667.00	6,647.17	268.13	28.96	-76.46	-1,908.93	-7,254.29	1,968.83	1,702.09	266.73	7.381		
16,300.00	7,080.15	6,667.00	6,647.17	270.97	28.96	-76.46	-1,908.93	-7,254.29	2,011.66	1,747.41	264.25	7.613		
16,400.00	7,080.38	6,667.00	6,647.17	273.80	28.96	-76.46	-1,908.93	-7,254.29	2,058.46	1,797.02	261.44	7.874		
16,500.00	7,080.61	6,667.00	6,647.17	276.64	28.96	-76.46	-1,908.93	-7,254.29	2,108.97	1,850.61	258.36	8.163		
16,600.00	7,080.84	6,676.87	6,656.73	279.47	28.99	-76.78	-1,911.37	-7,254.62	2,162.86	1,907.44	255.42	8.468		
16,700.00	7,081.07	6,678.03	6,657.85	282.31	29.00	-76.81	-1,911.66	-7,254.66	2,220.00	1,967.97	252.02	8.809		
16,800.00	7,081.30	6,679.19	6,658.97	285.14	29.00	-76.85	-1,911.96	-7,254.69	2,280.09	2,031.56	248.52	9.175		
16,900.00	7,081.53	6,680.34	6,660.08	287.98	29.01	-76.89	-1,912.25	-7,254.73	2,342.90	2,097.94	244.96	9.564		
17,000.00	7,081.76	6,681.49	6,661.20	290.82	29.01	-76.92	-1,912.55	-7,254.77	2,408.23	2,166.86	241.37	9.977		
17,100.00	7,081.99	6,682.64	6,662.30	293.65	29.01	-76.96	-1,912.84	-7,254.81	2,475.88	2,238.09	237.79	10.412		
17,200.00	7,082.22	6,683.79	6,663.41	296.49	29.02	-77.00	-1,913.14	-7,254.84	2,545.66	2,311.42	234.24	10.868		
17,300.00	7,082.45	6,684.93	6,664.51	299.33	29.02	-77.03	-1,913.44	-7,254.88	2,617.39	2,386.66	230.73	11.344		
17,400.00	7,082.68	6,686.06	6,665.60	302.17	29.03	-77.07	-1,913.73	-7,254.92	2,690.93	2,463.64	227.28	11.840		
17,500.00	7,082.91	6,687.19	6,666.69	305.01	29.03	-77.10	-1,914.03	-7,254.95	2,766.13	2,542.21	223.91	12.354		
17,600.00	7,083.14	6,688.32	6,667.78	307.85	29.03	-77.14	-1,914.33	-7,254.99	2,842.85	2,622.22	220.63	12.885		
17,700.00	7,083.37	6,698.00	6,677.09	310.69	29.07	-77.45	-1,916.94	-7,255.30	2,921.02	2,703.34	217.68	13.419		
17,800.00	7,083.60	6,698.00	6,677.09	313.53	29.07	-77.45	-1,916.94	-7,255.30	3,000.44	2,785.90	214.54	13.986		
17,900.00	7,083.84	6,698.00	6,677.09	316.37	29.07	-77.45	-1,916.94	-7,255.30	3,081.06	2,869.56	211.50	14.568		
18,000.00	7,084.07	6,698.00	6,677.09	319.21	29.07	-77.45	-1,916.94	-7,255.30	3,162.78	2,954.23	208.55	15.165		
18,100.00	7,084.30	6,698.00	6,677.09	322.05	29.07	-77.45	-1,916.94	-7,255.30	3,245.53	3,039.82	205.71	15.777		
18,200.00	7,084.53	6,698.00	6,677.09	324.89	29.07	-77.45	-1,916.94	-7,255.30	3,329.22	3,126.27	202.96	16.403		
18,300.00	7,084.76	6,698.00	6,677.09	327.73	29.07	-77.45	-1,916.94	-7,255.30	3,413.80	3,213.49	200.31	17.043		
18,400.00	7,084.99	6,698.00	6,677.09	330.57	29.07	-77.45	-1,916.94	-7,255.30	3,499.18	3,301.43	197.75	17.695		
18,500.00	7,085.22	6,698.00	6,677.09	333.41	29.07	-77.45	-1,916.94	-7,255.30	3,585.33	3,390.04	195.29	18.359		
18,600.00	7,085.45	6,698.00	6,677.09	336.26	29.07	-77.45	-1,916.94	-7,255.30	3,672.17	3,479.26	192.91	19.035		
18,700.00	7,085.68	6,698.00	6,677.09	339.10	29.07	-77.45	-1,916.94	-7,255.30	3,759.67	3,569.04	190.62	19.723		
18,800.00	7,085.91	6,698.00	6,677.09	341.94	29.07	-77.45	-1,916.94	-7,255.30	3,847.78	3,659.36	188.42	20.421		
18,839.14	7,086.00	6,698.00	6,677.09	343.06	29.07	-77.45	-1,916.94	-7,255.30	3,882.42	3,694.84	187.58	20.697		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,338.73	4,313.87	26.23	18.46	158.71	-1,958.82	-5,988.47	7,304.11	7,262.88	41.23	177.163		
5,200.00	5,075.00	4,432.34	4,406.67	26.77	18.93	158.85	-1,952.20	-5,998.78	7,334.75	7,292.63	42.13	174.102		
5,300.00	5,172.19	4,525.95	4,499.48	27.30	19.41	158.99	-1,945.57	-6,009.10	7,365.44	7,322.41	43.03	171.169		
5,400.00	5,269.38	4,619.56	4,592.28	27.83	19.88	159.12	-1,938.94	-6,019.41	7,396.17	7,352.24	43.93	168.356		
5,457.75	5,325.51	4,673.62	4,645.88	28.14	20.15	159.20	-1,935.12	-6,025.36	7,413.94	7,369.49	44.45	166.784		
5,500.00	5,366.64	4,713.28	4,685.19	28.37	20.35	159.35	-1,932.31	-6,029.73	7,426.66	7,381.83	44.83	165.654		
5,600.00	5,464.53	4,807.95	4,779.05	28.87	20.83	159.68	-1,925.61	-6,040.16	7,454.59	7,408.86	45.73	163.016		
5,700.00	5,563.07	4,903.67	4,873.94	29.35	21.31	159.98	-1,918.83	-6,050.71	7,479.39	7,432.76	46.62	160.429		
5,800.00	5,662.15	5,000.32	4,969.76	29.80	21.80	160.23	-1,911.99	-6,061.35	7,501.02	7,453.51	47.51	157.890		
5,900.00	5,761.64	5,097.63	5,066.64	30.23	22.23	160.78	-1,887.58	-6,099.34	7,510.95	7,459.11	51.84	144.889		
6,000.00	5,861.42	5,197.41	5,166.42	30.64	22.62	160.84	-1,887.58	-6,099.34	7,517.16	7,464.50	52.66	142.754		
6,100.00	5,961.36	5,297.35	5,266.36	31.02	23.01	160.87	-1,887.58	-6,099.34	7,520.08	7,466.62	53.46	140.655		
6,138.64	6,000.00	6,017.99	5,985.00	31.16	23.16	-103.62	-1,887.58	-6,099.34	7,520.33	7,466.56	53.77	139.864		
6,200.00	6,061.36	6,079.35	6,046.36	31.38	23.41	-103.62	-1,887.58	-6,099.34	7,520.33	7,466.09	54.24	138.638		
6,300.00	6,161.36	6,179.35	6,146.36	31.74	23.80	-103.62	-1,887.58	-6,099.34	7,520.33	7,465.31	55.02	136.683		
6,400.00	6,261.36	6,279.35	6,246.36	32.10	24.19	-103.62	-1,887.58	-6,099.34	7,520.33	7,464.53	55.80	134.776		
6,500.00	6,361.36	6,379.35	6,346.36	32.46	24.58	-103.62	-1,887.58	-6,099.34	7,520.33	7,463.75	56.58	132.917		
6,562.02	6,423.38	6,441.37	6,408.38	32.68	24.82	-103.62	-1,887.58	-6,099.34	7,520.33	7,463.27	57.06	131.788		
6,600.00	6,461.34	6,479.33	6,446.34	32.82	24.97	-13.34	-1,887.58	-6,099.34	7,519.23	7,461.87	57.35	131.104		
6,650.00	6,511.08	6,529.07	6,496.08	32.99	25.17	-13.45	-1,887.58	-6,099.34	7,514.42	7,456.71	57.72	130.194		
6,700.00	6,560.29	6,580.00	6,546.98	33.17	25.34	-13.63	-1,889.16	-6,099.34	7,506.62	7,448.92	57.70	130.107		
6,750.00	6,608.64	6,630.00	6,606.98	33.36	25.54	-13.89	-1,889.16	-6,099.34	7,494.96	7,437.16	57.80	129.663		
6,800.00	6,655.86	6,680.00	6,656.98	33.56	25.74	-14.24	-1,889.16	-6,099.34	7,479.95	7,422.05	57.90	129.197		
6,850.00	6,701.64	6,730.00	6,706.98	33.78	25.94	-14.68	-1,889.16	-6,099.34	7,461.64	7,403.67	57.97	128.708		
6,900.00	6,745.71	6,774.82	6,751.59	34.01	26.19	-15.32	-1,893.34	-6,099.34	7,439.68	7,381.46	58.22	127.789		
6,950.00	6,787.79	6,817.30	6,793.97	34.27	26.43	-16.05	-1,894.97	-6,099.34	7,414.79	7,356.47	58.32	127.133		
7,000.00	6,827.62	6,858.00	6,834.07	34.56	26.73	-17.05	-1,902.07	-6,099.34	7,387.09	7,328.55	58.54	126.185		
7,050.00	6,864.96	6,895.00	6,870.07	34.87	27.07	-18.12	-1,902.07	-6,099.34	7,356.17	7,297.59	58.58	125.580		
7,100.00	6,899.58	6,930.00	6,904.07	35.21	27.47	-19.43	-1,902.07	-6,099.34	7,322.60	7,263.99	58.61	124.946		
7,150.00	6,931.26	6,962.00	6,935.07	35.60	27.93	-21.05	-1,902.07	-6,099.34	7,286.55	7,227.92	58.63	124.283		
7,200.00	6,959.81	6,991.00	6,963.07	36.02	28.37	-23.07	-1,902.07	-6,099.34	7,248.21	7,189.56	58.65	123.587		
7,250.00	6,985.06	6,999.00	6,973.07	36.47	28.87	-25.62	-1,902.07	-6,099.34	7,207.77	7,149.11	58.67	122.859		
7,300.00	7,006.84	6,999.00	6,973.07	36.97	29.43	-28.90	-1,902.07	-6,099.34	7,165.47	7,106.78	58.69	122.097		
7,350.00	7,025.02	6,999.00	6,973.07	37.51	30.07	-33.18	-1,902.07	-6,099.34	7,121.51	7,062.80	58.71	121.300		
7,400.00	7,039.49	6,999.00	6,973.07	38.09	30.79	-38.89	-1,902.07	-6,099.34	7,076.16	7,017.42	58.74	120.470		
7,450.00	7,050.17	6,999.00	6,973.07	38.70	31.59	-47.31	-1,909.34	-6,099.34	7,029.38	6,970.48	58.91	119.331		
7,500.00	7,056.98	6,999.00	6,973.07	39.33	32.47	-58.04	-1,909.80	-6,099.34	6,981.97	6,923.01	58.96	118.418		
7,550.00	7,059.89	6,999.00	6,973.07	39.99	33.43	-72.02	-1,910.01	-6,099.34	6,933.97	6,874.94	59.02	117.483		
7,560.55	7,060.00	6,999.00	6,973.07	40.13	33.67	-75.35	-1,910.01	-6,099.34	6,923.79	6,864.75	59.04	117.281		
7,600.00	7,060.09	6,999.00	6,973.07	40.67	34.27	-75.36	-1,910.02	-6,099.34	6,885.73	6,826.64	59.09	116.533		
7,700.00	7,060.32	6,999.00	6,973.07	42.14	35.41	-75.36	-1,910.05	-6,099.34	6,789.31	6,730.07	59.24	114.608		
7,800.00	7,060.55	6,999.00	6,973.07	43.75	36.67	-75.36	-1,910.07	-6,099.34	6,693.00	6,633.58	59.42	112.645		
7,900.00	7,060.78	6,999.00	6,973.07	45.48	38.07	-75.36	-1,910.10	-6,099.34	6,596.80	6,537.17	59.62	110.643		
8,000.00	7,061.01	6,999.00	6,973.07	47.33	39.57	-75.37	-1,910.12	-6,099.34	6,500.71	6,440.85	59.86	108.603		
8,100.00	7,061.24	6,999.00	6,973.07	49.27	41.27	-75.37	-1,910.15	-6,099.34	6,404.74	6,344.62	60.12	106.524		
8,200.00	7,061.47	6,999.00	6,973.07	51.29	43.17	-75.37	-1,910.17	-6,099.34	6,308.90	6,248.48	60.43	104.408		
8,300.00	7,061.70	6,999.00	6,973.07	53.40	45.27	-75.38	-1,910.19	-6,099.34	6,213.19	6,152.43	60.76	102.256		
8,400.00	7,061.93	6,999.00	6,973.07	55.57	47.57	-75.38	-1,910.22	-6,099.34	6,117.62	6,056.48	61.13	100.068		
8,500.00	7,062.16	6,999.00	6,973.07	57.80	49.97	-75.38	-1,910.24	-6,099.34	6,022.19	5,960.64	61.55	97.847		
8,600.00	7,062.39	6,999.00	6,973.07	60.08	52.47	-75.39	-1,910.27	-6,099.34	5,926.91	5,864.91	62.00	95.594		
8,700.00	7,062.63	6,999.00	6,973.07	62.42	55.07	-75.39	-1,910.29	-6,099.34	5,831.79	5,769.29	62.50	93.311		
8,800.00	7,062.86	6,999.00	6,973.07	64.79	57.77	-75.39	-1,910.32	-6,099.34	5,736.83	5,673.79	63.04	91.001		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,063.09	6,637.91	6,603.06	67.20	28.47	-75.40	-1,910.34	-6,099.34	5,642.05	5,578.42	63.63	88.667		
9,000.00	7,063.32	6,638.01	6,603.16	69.65	28.47	-75.40	-1,910.37	-6,099.34	5,547.45	5,483.18	64.27	86.311		
9,100.00	7,063.55	6,638.11	6,603.26	72.12	28.47	-75.40	-1,910.39	-6,099.34	5,453.05	5,388.08	64.97	83.936		
9,200.00	7,063.78	6,638.21	6,603.36	74.63	28.47	-75.41	-1,910.42	-6,099.34	5,358.85	5,293.13	65.72	81.547		
9,300.00	7,064.01	6,638.32	6,603.45	77.16	28.48	-75.41	-1,910.44	-6,099.34	5,264.86	5,198.34	66.52	79.146		
9,400.00	7,064.24	6,638.42	6,603.55	79.71	28.48	-75.41	-1,910.46	-6,099.34	5,171.10	5,103.71	67.39	76.737		
9,500.00	7,064.47	6,638.52	6,603.65	82.28	28.48	-75.42	-1,910.49	-6,099.34	5,077.57	5,009.26	68.32	74.325		
9,600.00	7,064.70	6,638.62	6,603.75	84.87	28.48	-75.42	-1,910.51	-6,099.34	4,984.30	4,914.99	69.31	71.914		
9,700.00	7,064.93	6,638.72	6,603.85	87.47	28.48	-75.42	-1,910.54	-6,099.34	4,891.29	4,820.92	70.37	69.506		
9,800.00	7,065.16	6,638.82	6,603.95	90.09	28.48	-75.43	-1,910.56	-6,099.34	4,798.57	4,727.06	71.51	67.108		
9,900.00	7,065.39	6,638.93	6,604.05	92.73	28.48	-75.43	-1,910.59	-6,099.34	4,706.14	4,633.42	72.71	64.722		
10,000.00	7,065.62	6,639.03	6,604.14	95.38	28.48	-75.43	-1,910.61	-6,099.34	4,614.03	4,540.03	74.00	62.353		
10,100.00	7,065.85	6,639.13	6,604.24	98.04	28.48	-75.44	-1,910.64	-6,099.34	4,522.25	4,446.88	75.37	60.005		
10,200.00	7,066.08	6,639.23	6,604.34	100.71	28.48	-75.44	-1,910.66	-6,099.34	4,430.83	4,354.01	76.82	57.681		
10,300.00	7,066.31	6,639.33	6,604.44	103.39	28.48	-75.44	-1,910.69	-6,099.34	4,339.78	4,261.43	78.36	55.386		
10,400.00	7,066.54	6,639.44	6,604.54	106.08	28.48	-75.44	-1,910.71	-6,099.34	4,249.14	4,169.16	79.99	53.123		
10,500.00	7,066.77	6,639.54	6,604.64	108.78	28.48	-75.45	-1,910.74	-6,099.34	4,158.93	4,077.22	81.72	50.895		
10,600.00	7,067.01	6,639.64	6,604.74	111.48	28.48	-75.45	-1,910.76	-6,099.34	4,069.18	3,985.64	83.54	48.707		
10,700.00	7,067.24	6,639.74	6,604.84	114.20	28.48	-75.45	-1,910.79	-6,099.34	3,979.92	3,894.44	85.48	46.560		
10,800.00	7,067.47	6,639.84	6,604.94	116.92	28.48	-75.46	-1,910.81	-6,099.34	3,891.17	3,803.65	87.52	44.458		
10,900.00	7,067.70	6,639.95	6,605.04	119.65	28.48	-75.46	-1,910.84	-6,099.34	3,802.99	3,713.30	89.68	42.404		
11,000.00	7,067.93	6,640.05	6,605.13	122.38	28.48	-75.46	-1,910.86	-6,099.34	3,715.40	3,623.44	91.97	40.400		
11,100.00	7,068.16	6,640.15	6,605.23	125.12	28.48	-75.47	-1,910.89	-6,099.34	3,628.46	3,534.09	94.37	38.447		
11,200.00	7,068.39	6,640.25	6,605.33	127.86	28.48	-75.47	-1,910.91	-6,099.34	3,542.21	3,445.29	96.92	36.550		
11,300.00	7,068.62	6,640.36	6,605.43	130.61	28.48	-75.47	-1,910.94	-6,099.34	3,456.69	3,357.10	99.59	34.708		
11,400.00	7,068.85	6,640.46	6,605.53	133.37	28.48	-75.48	-1,910.96	-6,099.34	3,371.98	3,269.56	102.42	32.923		
11,500.00	7,069.08	6,640.56	6,605.63	136.12	28.48	-75.48	-1,910.99	-6,099.34	3,288.12	3,182.72	105.40	31.198		
11,600.00	7,069.31	6,640.66	6,605.73	138.89	28.48	-75.48	-1,911.01	-6,099.34	3,205.19	3,096.66	108.53	29.533		
11,700.00	7,069.54	6,640.76	6,605.83	141.65	28.48	-75.49	-1,911.04	-6,099.34	3,123.25	3,011.42	111.83	27.929		
11,800.00	7,069.77	6,640.87	6,605.93	144.42	28.48	-75.49	-1,911.06	-6,099.34	3,042.40	2,927.10	115.30	26.387		
11,900.00	7,070.00	6,640.97	6,606.03	147.19	28.48	-75.49	-1,911.09	-6,099.34	2,962.72	2,843.77	118.95	24.907		
12,000.00	7,070.23	6,641.07	6,606.13	149.97	28.48	-75.50	-1,911.11	-6,099.34	2,884.30	2,761.52	122.78	23.491		
12,100.00	7,070.46	6,641.17	6,606.23	152.75	28.48	-75.50	-1,911.14	-6,099.34	2,807.26	2,680.46	126.80	22.139		
12,200.00	7,070.69	6,641.28	6,606.33	155.53	28.48	-75.50	-1,911.16	-6,099.34	2,731.70	2,600.69	131.02	20.850		
12,300.00	7,070.92	6,641.38	6,606.43	158.32	28.48	-75.51	-1,911.19	-6,099.34	2,657.76	2,522.33	135.43	19.625		
12,400.00	7,071.16	6,641.48	6,606.53	161.10	28.48	-75.51	-1,911.22	-6,099.34	2,585.58	2,445.54	140.04	18.463		
12,500.00	7,071.39	6,641.59	6,606.62	163.89	28.48	-75.51	-1,911.24	-6,099.34	2,515.29	2,370.45	144.84	17.366		
12,600.00	7,071.62	6,641.69	6,606.72	166.69	28.48	-75.52	-1,911.27	-6,099.34	2,447.08	2,297.24	149.84	16.331		
12,700.00	7,071.85	6,641.79	6,606.82	169.48	28.48	-75.52	-1,911.29	-6,099.34	2,381.11	2,226.08	155.03	15.359		
12,800.00	7,072.08	6,641.89	6,606.92	172.28	28.49	-75.52	-1,911.32	-6,099.34	2,317.58	2,157.19	160.39	14.450		
12,900.00	7,072.31	6,642.00	6,607.02	175.08	28.49	-75.53	-1,911.34	-6,099.34	2,256.70	2,090.79	165.91	13.602		
13,000.00	7,072.54	6,642.10	6,607.12	177.88	28.49	-75.53	-1,911.37	-6,099.34	2,198.68	2,027.11	171.57	12.815		
13,100.00	7,072.77	6,642.20	6,607.22	180.68	28.49	-75.53	-1,911.39	-6,099.34	2,143.75	1,966.42	177.33	12.089		
13,200.00	7,073.00	6,642.31	6,607.32	183.48	28.49	-75.54	-1,911.42	-6,099.34	2,092.17	1,909.01	183.17	11.422		
13,300.00	7,073.23	6,642.41	6,607.42	186.29	28.49	-75.54	-1,911.44	-6,099.34	2,044.18	1,855.15	189.03	10.814		
13,400.00	7,073.46	6,642.51	6,607.52	189.09	28.49	-75.54	-1,911.47	-6,099.34	2,000.04	1,805.18	194.86	10.264		
13,500.00	7,073.69	6,642.61	6,607.62	191.90	28.49	-75.55	-1,911.50	-6,099.34	1,960.02	1,759.40	200.62	9.770		
13,600.00	7,073.92	6,642.72	6,607.72	194.71	28.49	-75.55	-1,911.52	-6,099.34	1,924.36	1,718.14	206.22	9.332		
13,700.00	7,074.15	6,642.82	6,607.82	197.52	28.49	-75.55	-1,911.55	-6,099.34	1,893.32	1,681.73	211.59	8.948		
13,800.00	7,074.38	6,642.92	6,607.92	200.34	28.49	-75.56	-1,911.57	-6,099.34	1,867.13	1,650.45	216.67	8.617		
13,900.00	7,074.61	6,643.03	6,608.02	203.15	28.49	-75.56	-1,911.60	-6,099.34	1,845.99	1,624.61	221.38	8.339		
14,000.00	7,074.84	6,643.13	6,608.12	205.97	28.49	-75.56	-1,911.62	-6,099.34	1,830.07	1,604.43	225.64	8.110		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,075.07	6,643.23	6,608.22	208.78	28.49	-75.56	-1,911.65	-6,099.34	1,819.52	1,590.12	229.40	7.932		
14,200.00	7,075.30	6,643.34	6,608.32	211.60	28.49	-75.57	-1,911.68	-6,099.34	1,814.43	1,581.83	232.59	7.801		
14,242.52	7,075.40	6,643.38	6,608.36	212.80	28.49	-75.57	-1,911.69	-6,099.34	1,813.93	1,580.16	233.77	7.759 CC		
14,300.00	7,075.54	6,643.44	6,608.42	214.42	28.49	-75.57	-1,911.70	-6,099.34	1,814.84	1,579.65	235.19	7.716 ES		
14,400.00	7,075.77	6,643.54	6,608.52	217.24	28.49	-75.57	-1,911.73	-6,099.34	1,820.75	1,583.58	237.17	7.677 SF		
14,500.00	7,076.00	6,643.65	6,608.62	220.06	28.49	-75.58	-1,911.75	-6,099.34	1,832.11	1,593.59	238.52	7.681		
14,600.00	7,076.23	6,643.75	6,608.72	222.88	28.49	-75.58	-1,911.78	-6,099.34	1,848.82	1,609.56	239.26	7.727		
14,700.00	7,076.46	6,643.85	6,608.82	225.70	28.49	-75.58	-1,911.80	-6,099.34	1,870.73	1,631.31	239.42	7.814		
14,800.00	7,076.69	6,643.96	6,608.92	228.53	28.49	-75.59	-1,911.83	-6,099.34	1,897.66	1,658.64	239.02	7.939		
14,900.00	7,076.92	6,644.06	6,609.02	231.35	28.49	-75.59	-1,911.86	-6,099.34	1,929.41	1,691.28	238.13	8.102		
15,000.00	7,077.15	6,644.16	6,609.12	234.18	28.49	-75.59	-1,911.88	-6,099.34	1,965.74	1,728.94	236.79	8.302		
15,100.00	7,077.38	6,644.27	6,609.22	237.00	28.49	-75.60	-1,911.91	-6,099.34	2,006.39	1,771.32	235.07	8.535		
15,200.00	7,077.61	6,644.37	6,609.32	239.83	28.49	-75.60	-1,911.93	-6,099.34	2,051.13	1,818.09	233.03	8.802		
15,300.00	7,077.84	6,644.48	6,609.42	242.66	28.49	-75.60	-1,911.96	-6,099.34	2,099.67	1,868.95	230.72	9.101		
15,400.00	7,078.07	6,644.58	6,609.52	245.49	28.49	-75.61	-1,911.99	-6,099.34	2,151.77	1,923.57	228.20	9.429		
15,500.00	7,078.30	6,644.68	6,609.62	248.31	28.49	-75.61	-1,912.01	-6,099.34	2,207.17	1,981.66	225.51	9.787		
15,600.00	7,078.53	6,644.79	6,609.73	251.14	28.49	-75.61	-1,912.04	-6,099.34	2,265.63	2,042.93	222.71	10.173		
15,700.00	7,078.76	6,644.89	6,609.83	253.97	28.49	-75.62	-1,912.06	-6,099.34	2,326.93	2,107.11	219.82	10.585		
15,800.00	7,078.99	6,644.99	6,609.93	256.80	28.49	-75.62	-1,912.09	-6,099.34	2,390.83	2,173.94	216.89	11.023		
15,900.00	7,079.22	6,645.10	6,610.03	259.64	28.49	-75.62	-1,912.12	-6,099.34	2,457.15	2,243.21	213.94	11.485		
16,000.00	7,079.45	6,645.20	6,610.13	262.47	28.49	-75.63	-1,912.14	-6,099.34	2,525.68	2,314.69	211.00	11.970		
16,100.00	7,079.69	6,645.31	6,610.23	265.30	28.49	-75.63	-1,912.17	-6,099.34	2,596.26	2,388.19	208.08	12.477		
16,200.00	7,079.92	6,645.41	6,610.33	268.13	28.50	-75.63	-1,912.19	-6,099.34	2,668.72	2,463.53	205.19	13.006		
16,300.00	7,080.15	6,645.51	6,610.43	270.97	28.50	-75.64	-1,912.22	-6,099.34	2,742.91	2,540.55	202.36	13.554		
16,400.00	7,080.38	6,645.62	6,610.53	273.80	28.50	-75.64	-1,912.25	-6,099.34	2,818.70	2,619.10	199.59	14.122		
16,500.00	7,080.61	6,645.72	6,610.63	276.64	28.50	-75.64	-1,912.27	-6,099.34	2,895.96	2,699.06	196.89	14.708		
16,600.00	7,080.84	6,645.83	6,610.73	279.47	28.50	-75.65	-1,912.30	-6,099.34	2,974.57	2,780.30	194.26	15.312		
16,700.00	7,081.07	6,645.93	6,610.83	282.31	28.50	-75.65	-1,912.33	-6,099.34	3,054.43	2,862.72	191.71	15.933		
16,800.00	7,081.30	6,646.04	6,610.93	285.14	28.50	-75.65	-1,912.35	-6,099.34	3,135.45	2,946.22	189.23	16.569		
16,900.00	7,081.53	6,646.14	6,611.03	287.98	28.50	-75.66	-1,912.38	-6,099.34	3,217.54	3,030.70	186.84	17.221		
17,000.00	7,081.76	6,646.24	6,611.14	290.82	28.50	-75.66	-1,912.40	-6,099.34	3,300.61	3,116.09	184.52	17.888		
17,100.00	7,081.99	6,646.35	6,611.24	293.65	28.50	-75.66	-1,912.43	-6,099.34	3,384.60	3,202.32	182.28	18.568		
17,200.00	7,082.22	6,646.45	6,611.34	296.49	28.50	-75.67	-1,912.46	-6,099.34	3,469.44	3,289.32	180.12	19.262		
17,300.00	7,082.45	6,646.56	6,611.44	299.33	28.50	-75.67	-1,912.48	-6,099.34	3,555.07	3,377.04	178.03	19.969		
17,400.00	7,082.68	6,646.66	6,611.54	302.17	28.50	-75.67	-1,912.51	-6,099.34	3,641.43	3,465.41	176.02	20.688		
17,500.00	7,082.91	6,646.77	6,611.64	305.01	28.50	-75.68	-1,912.54	-6,099.34	3,728.47	3,554.39	174.08	21.418		
17,600.00	7,083.14	6,646.87	6,611.74	307.85	28.50	-75.68	-1,912.56	-6,099.34	3,816.15	3,643.94	172.21	22.160		
17,700.00	7,083.37	6,646.97	6,611.84	310.69	28.50	-75.68	-1,912.59	-6,099.34	3,904.42	3,734.01	170.40	22.913		
17,800.00	7,083.60	6,647.08	6,611.94	313.53	28.50	-75.69	-1,912.62	-6,099.34	3,993.24	3,824.58	168.67	23.675		
17,900.00	7,083.84	6,647.18	6,612.04	316.37	28.50	-75.69	-1,912.64	-6,099.34	4,082.58	3,915.59	166.99	24.448		
18,000.00	7,084.07	6,647.29	6,612.15	319.21	28.50	-75.69	-1,912.67	-6,099.34	4,172.41	4,007.03	165.38	25.229		
18,100.00	7,084.30	6,647.39	6,612.25	322.05	28.50	-75.70	-1,912.70	-6,099.34	4,262.68	4,098.86	163.82	26.020		
18,200.00	7,084.53	6,647.50	6,612.35	324.89	28.50	-75.70	-1,912.72	-6,099.34	4,353.38	4,191.06	162.32	26.819		
18,300.00	7,084.76	6,647.60	6,612.45	327.73	28.50	-75.70	-1,912.75	-6,099.34	4,444.49	4,283.61	160.88	27.627		
18,400.00	7,084.99	6,647.71	6,612.55	330.57	28.50	-75.71	-1,912.78	-6,099.34	4,535.96	4,376.48	159.48	28.442		
18,500.00	7,085.22	6,647.81	6,612.65	333.41	28.50	-75.71	-1,912.80	-6,099.34	4,627.79	4,469.65	158.14	29.265		
18,600.00	7,085.45	6,647.92	6,612.75	336.26	28.50	-75.71	-1,912.83	-6,099.34	4,719.95	4,563.11	156.84	30.094		
18,700.00	7,085.68	6,648.02	6,612.85	339.10	28.50	-75.72	-1,912.86	-6,099.34	4,812.42	4,656.84	155.59	30.931		
18,800.00	7,085.91	6,648.13	6,612.96	341.94	28.50	-75.72	-1,912.88	-6,099.34	4,905.19	4,750.82	154.38	31.774		
18,839.14	7,086.00	6,648.17	6,613.00	343.06	28.50	-75.72	-1,912.89	-6,099.34	4,941.58	4,787.67	153.91	32.106		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-110.84	-2,167.69	-5,693.99	6,092.65					
100.00	100.00	85.00	85.00	3.28	3.29	-110.84	-2,167.69	-5,693.99	6,092.65	6,086.08	6.57	927.344		
200.00	200.00	185.00	185.00	3.34	3.31	-110.84	-2,167.69	-5,693.99	6,092.65	6,086.01	6.64	917.283		
300.00	300.00	285.00	285.00	3.44	3.34	-110.84	-2,167.69	-5,693.99	6,092.65	6,085.87	6.78	898.093		
400.00	399.98	384.98	384.98	3.60	3.39	153.64	-2,167.69	-5,693.99	6,094.22	6,087.23	6.99	872.282		
500.00	499.84	484.84	484.84	3.80	3.45	153.62	-2,167.69	-5,693.99	6,098.91	6,091.66	7.25	841.725		
600.00	599.45	584.45	584.45	4.04	3.52	153.59	-2,167.69	-5,693.99	6,106.72	6,099.16	7.56	807.908		
700.00	698.70	683.70	683.70	4.31	3.61	153.54	-2,167.69	-5,693.99	6,117.65	6,109.73	7.92	772.540		
800.00	797.47	782.47	782.47	4.62	3.70	153.48	-2,167.69	-5,693.99	6,131.68	6,123.36	8.32	736.927		
900.00	895.62	830.90	830.90	4.97	3.79	153.36	-2,167.63	-5,694.15	6,149.14	6,140.40	8.74	703.746		
980.89	974.49	860.97	860.97	5.27	3.85	153.24	-2,167.46	-5,694.60	6,166.20	6,157.10	9.09	678.115		
1,000.00	993.07	868.03	868.03	5.34	3.87	153.24	-2,167.40	-5,694.75	6,170.55	6,161.37	9.18	672.068		
1,100.00	1,090.26	900.00	899.98	5.75	3.94	153.28	-2,167.07	-5,695.62	6,193.93	6,184.31	9.62	643.681		
1,200.00	1,187.45	941.35	941.29	6.17	4.05	153.34	-2,166.45	-5,697.25	6,218.25	6,208.14	10.10	615.364		
1,300.00	1,284.64	1,000.00	999.84	6.62	4.20	153.42	-2,165.21	-5,700.51	6,243.62	6,232.97	10.65	586.251		
1,400.00	1,381.83	1,000.00	999.84	7.07	4.20	153.42	-2,165.21	-5,700.51	6,269.77	6,258.72	11.05	567.513		
1,500.00	1,479.01	1,049.32	1,049.01	7.54	4.34	153.49	-2,163.83	-5,704.12	6,296.88	6,285.29	11.59	543.180		
1,600.00	1,576.20	1,100.00	1,099.45	8.02	4.49	153.57	-2,162.11	-5,708.66	6,325.01	6,312.86	12.15	520.467		
1,700.00	1,673.39	1,100.00	1,099.45	8.50	4.49	153.57	-2,162.11	-5,708.66	6,354.05	6,341.49	12.56	505.861		
1,800.00	1,770.58	1,154.69	1,153.79	8.99	4.67	153.66	-2,159.89	-5,714.48	6,383.89	6,370.74	13.15	485.519		
1,900.00	1,867.77	1,200.00	1,198.70	9.48	4.82	153.74	-2,157.77	-5,720.05	6,414.76	6,401.04	13.71	467.802		
2,000.00	1,964.96	1,223.40	1,221.86	9.98	4.90	153.78	-2,156.58	-5,723.18	6,446.48	6,432.27	14.20	453.843		
2,100.00	2,062.15	1,282.81	1,280.57	10.49	5.12	153.90	-2,153.35	-5,731.66	6,479.05	6,464.21	14.83	436.846		
2,200.00	2,159.34	1,375.35	1,372.01	10.99	5.49	154.07	-2,148.28	-5,744.97	6,511.80	6,496.20	15.60	417.443		
2,300.00	2,256.53	1,467.88	1,463.44	11.50	5.87	154.24	-2,143.22	-5,758.28	6,544.62	6,528.23	16.39	399.358		
2,400.00	2,353.71	1,560.42	1,554.88	12.01	6.27	154.42	-2,138.15	-5,771.59	6,577.49	6,560.29	17.19	382.599		
2,500.00	2,450.90	1,652.96	1,646.31	12.53	6.69	154.58	-2,133.08	-5,784.89	6,610.41	6,592.40	18.01	367.078		
2,600.00	2,548.09	1,745.49	1,737.75	13.04	7.11	154.75	-2,128.02	-5,798.20	6,643.38	6,624.55	18.84	352.702		
2,700.00	2,645.28	1,838.03	1,829.18	13.56	7.55	154.92	-2,122.95	-5,811.51	6,676.41	6,656.74	19.67	339.382		
2,800.00	2,742.47	1,930.57	1,920.62	14.08	7.99	155.08	-2,117.88	-5,824.82	6,709.49	6,688.97	20.52	327.028		
2,900.00	2,839.66	2,023.11	2,012.05	14.60	8.44	155.25	-2,112.82	-5,838.13	6,742.62	6,721.25	21.37	315.556		
3,000.00	2,936.85	2,115.64	2,103.49	15.12	8.90	155.41	-2,107.75	-5,851.44	6,775.80	6,753.58	22.22	304.889		
3,100.00	3,034.04	2,208.18	2,194.92	15.65	9.36	155.57	-2,102.68	-5,864.74	6,809.03	6,785.95	23.09	294.954		
3,200.00	3,131.22	2,300.72	2,286.36	16.17	9.82	155.73	-2,097.62	-5,878.05	6,842.31	6,818.36	23.95	285.688		
3,300.00	3,228.41	2,406.75	2,377.79	16.69	10.36	155.88	-2,092.55	-5,891.36	6,875.64	6,850.75	24.88	276.347		
3,400.00	3,325.60	2,485.79	2,469.23	17.22	10.76	156.04	-2,087.49	-5,904.67	6,909.01	6,883.32	25.69	268.927		
3,500.00	3,422.79	2,578.33	2,560.66	17.75	11.24	156.19	-2,082.42	-5,917.98	6,942.43	6,915.86	26.57	261.333		
3,600.00	3,519.98	2,670.87	2,652.10	18.27	11.71	156.35	-2,077.35	-5,931.28	6,975.89	6,948.45	27.44	254.203		
3,700.00	3,617.17	2,763.40	2,743.53	18.80	12.19	156.50	-2,072.29	-5,944.59	7,009.41	6,981.08	28.32	247.498		
3,800.00	3,714.36	2,855.94	2,834.97	19.33	12.67	156.65	-2,067.22	-5,957.90	7,042.96	7,013.76	29.20	241.185		
3,900.00	3,811.55	2,948.48	2,926.40	19.86	13.15	156.80	-2,062.15	-5,971.21	7,076.56	7,046.48	30.08	235.230		
4,000.00	3,908.74	3,041.01	3,017.84	20.39	13.64	156.94	-2,057.09	-5,984.52	7,110.20	7,079.24	30.97	229.607		
4,100.00	4,005.92	3,133.55	3,109.27	20.92	14.12	157.09	-2,052.02	-5,997.82	7,143.89	7,112.04	31.85	224.288		
4,200.00	4,103.11	3,226.09	3,200.71	21.45	14.61	157.23	-2,046.95	-6,011.13	7,177.62	7,144.88	32.74	219.251		
4,300.00	4,200.30	3,318.63	3,292.14	21.98	15.10	157.38	-2,041.89	-6,024.44	7,211.39	7,177.76	33.62	214.475		
4,400.00	4,297.49	3,411.16	3,383.57	22.51	15.59	157.52	-2,036.82	-6,037.75	7,245.20	7,210.69	34.51	209.941		
4,500.00	4,394.68	3,503.70	3,475.01	23.04	16.08	157.66	-2,031.75	-6,051.06	7,279.05	7,243.65	35.40	205.632		
4,600.00	4,491.87	3,596.24	3,566.44	23.57	16.57	157.80	-2,026.69	-6,064.36	7,312.94	7,276.65	36.29	201.531		
4,700.00	4,589.06	3,688.77	3,657.88	24.10	17.06	157.94	-2,021.62	-6,077.67	7,346.87	7,309.69	37.18	197.624		
4,800.00	4,686.25	3,781.31	3,749.31	24.64	17.55	158.07	-2,016.55	-6,090.98	7,380.83	7,342.77	38.07	193.899		
4,900.00	4,783.43	3,873.85	3,840.75	25.17	18.04	158.21	-2,011.49	-6,104.29	7,414.84	7,375.89	38.96	190.343		
5,000.00	4,880.62	3,966.39	3,932.18	25.70	18.53	158.34	-2,006.42	-6,117.60	7,448.88	7,409.04	39.85	186.945		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	4,058.92	4,023.62	26.23	19.03	158.48	-2,001.36	-6,130.90	7,482.97	7,442.23	40.74	183.695		
5,200.00	5,075.00	4,151.46	4,115.05	26.77	19.52	158.61	-1,996.29	-6,144.21	7,517.08	7,475.46	41.63	180.583		
5,300.00	5,172.19	4,244.00	4,206.49	27.30	20.02	158.74	-1,991.22	-6,157.52	7,551.24	7,508.72	42.52	177.603		
5,400.00	5,269.38	4,336.53	4,297.92	27.83	20.51	158.87	-1,986.16	-6,170.83	7,585.43	7,542.02	43.41	174.744		
5,457.75	5,325.51	4,389.98	4,350.73	28.14	20.80	158.94	-1,983.23	-6,178.51	7,605.19	7,561.26	43.92	173.146		
5,500.00	5,366.64	4,429.19	4,389.47	28.37	21.01	159.11	-1,981.08	-6,184.15	7,619.38	7,575.08	44.30	171.998		
5,600.00	5,464.53	4,522.89	4,482.06	28.87	21.51	159.46	-1,975.95	-6,197.63	7,650.79	7,605.60	45.19	169.315		
5,700.00	5,563.07	4,617.74	4,575.78	29.35	22.02	159.77	-1,970.76	-6,211.27	7,679.11	7,633.04	46.07	166.682		
5,800.00	5,662.15	4,713.63	4,670.52	29.80	22.53	160.05	-1,965.51	-6,225.06	7,704.31	7,657.36	46.95	164.095		
5,900.00	5,761.64	4,810.44	4,766.18	30.23	23.05	160.30	-1,960.21	-6,238.98	7,726.33	7,678.50	47.82	161.555		
6,000.00	5,861.42	4,908.05	4,862.63	30.64	23.57	160.50	-1,954.86	-6,253.02	7,745.15	7,696.46	48.69	159.061		
6,100.00	5,961.36	5,006.35	4,959.76	31.02	24.10	160.68	-1,949.48	-6,267.16	7,760.75	7,711.20	49.55	156.612		
6,138.64	6,000.00	5,044.48	4,997.44	31.16	24.31	-103.75	-1,947.39	-6,272.64	7,765.91	7,716.03	49.88	155.692		
6,200.00	6,061.36	5,105.12	5,057.35	31.38	24.63	-103.71	-1,944.08	-6,281.36	7,773.71	7,723.32	50.39	154.267		
6,300.00	6,161.36	5,203.92	5,154.98	31.74	25.16	-103.65	-1,938.67	-6,295.57	7,786.44	7,735.21	51.23	152.000		
6,400.00	6,261.36	5,302.73	5,252.62	32.10	25.70	-103.58	-1,933.26	-6,309.78	7,799.18	7,747.11	52.06	149.800		
6,500.00	6,361.36	5,401.54	5,350.25	32.46	26.23	-103.52	-1,927.85	-6,323.99	7,811.92	7,759.02	52.90	147.664		
6,562.02	6,423.38	5,462.82	5,410.80	32.68	26.56	-103.48	-1,924.49	-6,332.80	7,819.83	7,766.41	53.42	146.371		
6,600.00	6,461.34	5,500.49	5,448.02	32.82	26.76	-13.08	-1,922.43	-6,338.22	7,823.58	7,769.84	53.74	145.591		
6,650.00	6,511.08	5,550.35	5,497.28	32.99	27.03	-13.02	-1,919.70	-6,345.39	7,825.16	7,771.03	54.13	144.553		
6,700.00	6,560.29	5,600.23	5,546.57	33.17	27.30	-13.05	-1,916.97	-6,352.56	7,822.92	7,768.40	54.52	143.490		
6,750.00	6,608.64	5,681.95	5,622.75	33.36	31.80	-13.32	-1,888.12	-6,429.95	7,815.60	7,755.90	59.70	130.910		
6,800.00	6,655.86	5,600.00	5,540.78	33.56	31.86	-13.68	-1,889.05	-6,429.95	7,800.13	7,740.25	59.88	130.261		
6,850.00	6,701.64	5,600.00	5,540.78	33.78	31.86	-14.12	-1,889.05	-6,429.95	7,781.29	7,721.32	59.97	129.752		
6,900.00	6,745.71	5,600.00	5,540.78	34.01	31.86	-14.67	-1,889.05	-6,429.95	7,759.24	7,699.20	60.05	129.221		
6,950.00	6,787.79	5,635.64	5,576.28	34.27	31.97	-15.42	-1,892.15	-6,429.95	7,733.83	7,673.58	60.24	128.379		
7,000.00	6,827.62	5,647.49	5,588.05	34.56	32.00	-16.30	-1,893.54	-6,429.95	7,705.50	7,645.16	60.34	127.702		
7,050.00	6,864.96	5,658.56	5,599.02	34.87	32.03	-17.38	-1,895.01	-6,429.95	7,674.30	7,613.87	60.43	127.005		
7,100.00	6,899.58	5,670.00	5,639.88	35.21	32.16	-18.83	-1,901.92	-6,429.95	7,640.60	7,579.98	60.62	126.041		
7,150.00	6,931.26	5,670.00	5,639.88	35.60	32.16	-20.45	-1,901.92	-6,429.95	7,604.07	7,543.42	60.65	125.374		
7,200.00	6,959.81	5,670.00	5,639.88	36.02	32.16	-22.48	-1,901.92	-6,429.95	7,565.27	7,504.59	60.68	124.678		
7,250.00	6,985.06	5,670.00	5,639.88	36.47	32.16	-25.06	-1,901.92	-6,429.95	7,524.39	7,463.69	60.70	123.954		
7,300.00	7,006.84	5,670.00	5,639.88	36.97	32.16	-28.39	-1,901.92	-6,429.95	7,481.67	7,420.95	60.73	123.199		
7,350.00	7,025.02	5,670.00	5,639.88	37.51	32.16	-32.78	-1,901.92	-6,429.95	7,437.34	7,376.58	60.76	122.414		
7,400.00	7,039.49	5,670.00	5,639.88	38.09	32.16	-38.71	-1,901.92	-6,429.95	7,391.64	7,330.85	60.79	121.599		
7,450.00	7,050.17	5,670.00	5,639.88	38.70	32.16	-46.85	-1,901.92	-6,429.95	7,344.83	7,284.01	60.82	120.754		
7,500.00	7,056.98	5,670.00	5,639.88	39.33	32.16	-58.05	-1,901.92	-6,429.95	7,297.18	7,236.31	60.87	119.881		
7,550.00	7,059.89	5,670.00	5,639.88	39.99	32.16	-72.88	-1,901.92	-6,429.95	7,248.98	7,188.05	60.93	118.980		
7,560.55	7,060.00	5,670.00	5,639.88	40.13	32.16	-76.43	-1,901.92	-6,429.95	7,238.76	7,177.82	60.94	118.785		
7,600.00	7,060.09	5,670.00	5,639.88	40.67	32.16	-76.43	-1,901.92	-6,429.95	7,200.55	7,139.56	60.99	118.060		
7,700.00	7,060.32	5,670.00	5,639.88	42.14	32.16	-76.43	-1,901.92	-6,429.95	7,103.76	7,042.62	61.13	116.198		
7,800.00	7,060.55	5,670.00	5,639.88	43.75	32.16	-76.43	-1,901.92	-6,429.95	7,007.05	6,945.74	61.30	114.302		
7,900.00	7,060.78	5,670.00	5,639.88	45.48	32.16	-76.43	-1,901.92	-6,429.95	6,910.43	6,848.94	61.50	112.371		
8,000.00	7,061.01	5,670.00	5,639.88	47.33	32.16	-76.43	-1,901.92	-6,429.95	6,813.92	6,752.20	61.72	110.406		
8,100.00	7,061.24	5,670.00	5,639.88	49.27	32.16	-76.43	-1,901.92	-6,429.95	6,717.50	6,655.54	61.97	108.406		
8,200.00	7,061.47	5,670.00	5,639.88	51.29	32.16	-76.43	-1,901.92	-6,429.95	6,621.19	6,558.95	62.25	106.372		
8,300.00	7,061.70	5,670.00	5,639.88	53.40	32.16	-76.43	-1,901.92	-6,429.95	6,525.00	6,462.44	62.56	104.306		
8,400.00	7,061.93	5,670.00	5,639.88	55.57	32.16	-76.43	-1,901.92	-6,429.95	6,428.91	6,366.01	62.90	102.207		
8,500.00	7,062.16	5,670.00	5,639.88	57.80	32.16	-76.43	-1,901.92	-6,429.95	6,332.95	6,269.67	63.28	100.078		
8,600.00	7,062.39	5,670.00	5,639.88	60.08	32.16	-76.43	-1,901.92	-6,429.95	6,237.12	6,173.42	63.70	97.918		
8,700.00	7,062.63	5,670.00	5,639.88	62.42	32.16	-76.43	-1,901.92	-6,429.95	6,141.42	6,077.27	64.15	95.731		
8,800.00	7,062.86	5,670.00	5,639.88	64.79	32.16	-76.43	-1,901.92	-6,429.95	6,045.86	5,981.21	64.65	93.518		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,063.09	6,700.00	6,639.88	67.20	32.16	-76.43	-1,901.92	-6,429.95	5,950.44	5,885.26	65.19	91.281		
9,000.00	7,063.32	6,700.00	6,639.88	69.65	32.16	-76.43	-1,901.92	-6,429.95	5,855.18	5,789.41	65.77	89.022		
9,100.00	7,063.55	6,700.00	6,639.88	72.12	32.16	-76.43	-1,901.92	-6,429.95	5,760.08	5,693.68	66.40	86.744		
9,200.00	7,063.78	6,700.00	6,639.88	74.63	32.16	-76.43	-1,901.92	-6,429.95	5,665.15	5,598.06	67.08	84.449		
9,300.00	7,064.01	6,700.00	6,639.88	77.16	32.16	-76.43	-1,901.92	-6,429.95	5,570.39	5,502.58	67.81	82.142		
9,400.00	7,064.24	6,700.00	6,639.88	79.71	32.16	-76.43	-1,901.92	-6,429.95	5,475.82	5,407.22	68.60	79.823		
9,500.00	7,064.47	6,700.00	6,639.88	82.28	32.16	-76.43	-1,901.92	-6,429.95	5,381.45	5,312.01	69.44	77.498		
9,600.00	7,064.70	6,700.00	6,639.88	84.87	32.16	-76.43	-1,901.92	-6,429.95	5,287.29	5,216.95	70.34	75.169		
9,700.00	7,064.93	6,700.00	6,639.88	87.47	32.16	-76.43	-1,901.92	-6,429.95	5,193.34	5,122.04	71.30	72.839		
9,800.00	7,065.16	6,700.00	6,639.88	90.09	32.16	-76.43	-1,901.92	-6,429.95	5,099.62	5,027.30	72.32	70.513		
9,900.00	7,065.39	6,700.00	6,639.88	92.73	32.16	-76.43	-1,901.92	-6,429.95	5,006.15	4,932.74	73.41	68.193		
10,000.00	7,065.62	6,700.00	6,639.88	95.38	32.16	-76.43	-1,901.92	-6,429.95	4,912.93	4,838.36	74.57	65.884		
10,100.00	7,065.85	6,700.00	6,639.88	98.04	32.16	-76.43	-1,901.92	-6,429.95	4,819.98	4,744.18	75.80	63.588		
10,200.00	7,066.08	6,700.00	6,639.88	100.71	32.16	-76.43	-1,901.92	-6,429.95	4,727.33	4,650.22	77.11	61.310		
10,300.00	7,066.31	6,700.00	6,639.88	103.39	32.16	-76.43	-1,901.92	-6,429.95	4,634.97	4,556.48	78.49	59.052		
10,400.00	7,066.54	6,700.00	6,639.88	106.08	32.16	-76.43	-1,901.92	-6,429.95	4,542.95	4,462.99	79.96	56.818		
10,500.00	7,066.77	6,700.00	6,639.88	108.78	32.16	-76.43	-1,901.92	-6,429.95	4,451.26	4,369.75	81.51	54.611		
10,600.00	7,067.01	6,700.00	6,639.88	111.48	32.16	-76.43	-1,901.92	-6,429.95	4,359.94	4,276.79	83.15	52.435		
10,700.00	7,067.24	6,700.00	6,639.88	114.20	32.16	-76.43	-1,901.92	-6,429.95	4,269.01	4,184.13	84.88	50.292		
10,800.00	7,067.47	6,700.00	6,639.88	116.92	32.16	-76.43	-1,901.92	-6,429.95	4,178.50	4,091.78	86.72	48.185		
10,900.00	7,067.70	6,700.00	6,639.88	119.65	32.16	-76.43	-1,901.92	-6,429.95	4,088.42	3,999.77	88.65	46.117		
11,000.00	7,067.93	6,700.00	6,639.88	122.38	32.16	-76.43	-1,901.92	-6,429.95	3,998.82	3,908.13	90.70	44.090		
11,100.00	7,068.16	6,700.00	6,639.88	125.12	32.16	-76.43	-1,901.92	-6,429.95	3,909.73	3,816.87	92.85	42.107		
11,200.00	7,068.39	6,700.00	6,639.88	127.86	32.16	-76.43	-1,901.92	-6,429.95	3,821.17	3,726.04	95.13	40.170		
11,300.00	7,068.62	6,700.00	6,639.88	130.61	32.16	-76.43	-1,901.92	-6,429.95	3,733.19	3,635.67	97.52	38.280		
11,400.00	7,068.85	6,700.00	6,639.88	133.37	32.16	-76.43	-1,901.92	-6,429.95	3,645.83	3,545.78	100.05	36.440		
11,500.00	7,069.08	6,700.00	6,639.88	136.12	32.16	-76.43	-1,901.92	-6,429.95	3,559.13	3,456.42	102.71	34.652		
11,600.00	7,069.31	6,700.00	6,639.88	138.89	32.16	-76.43	-1,901.92	-6,429.95	3,473.16	3,367.64	105.52	32.916		
11,700.00	7,069.54	6,700.00	6,639.88	141.65	32.16	-76.43	-1,901.92	-6,429.95	3,387.95	3,279.47	108.47	31.234		
11,800.00	7,069.77	6,700.00	6,639.88	144.42	32.16	-76.43	-1,901.92	-6,429.95	3,303.57	3,191.98	111.58	29.607		
11,900.00	7,070.00	6,700.00	6,639.88	147.19	32.16	-76.43	-1,901.92	-6,429.95	3,220.08	3,105.23	114.85	28.036		
12,000.00	7,070.23	6,700.00	6,639.88	149.97	32.16	-76.43	-1,901.92	-6,429.95	3,137.56	3,019.26	118.30	26.523		
12,100.00	7,070.46	6,700.00	6,639.88	152.75	32.16	-76.43	-1,901.92	-6,429.95	3,056.09	2,934.17	121.92	25.067		
12,200.00	7,070.69	6,700.00	6,639.88	155.53	32.16	-76.43	-1,901.92	-6,429.95	2,975.74	2,850.02	125.72	23.669		
12,300.00	7,070.92	6,700.00	6,639.88	158.32	32.16	-76.43	-1,901.92	-6,429.95	2,896.62	2,766.90	129.72	22.330		
12,400.00	7,071.16	6,700.00	6,639.88	161.10	32.16	-76.43	-1,901.92	-6,429.95	2,818.82	2,684.91	133.91	21.050		
12,500.00	7,071.39	6,700.00	6,639.88	163.89	32.16	-76.43	-1,901.92	-6,429.95	2,742.47	2,604.16	138.31	19.829		
12,600.00	7,071.62	6,700.00	6,639.88	166.69	32.16	-76.43	-1,901.92	-6,429.95	2,667.68	2,524.77	142.91	18.667		
12,700.00	7,071.85	6,700.00	6,639.88	169.48	32.16	-76.43	-1,901.92	-6,429.95	2,594.59	2,446.88	147.71	17.565		
12,800.00	7,072.08	6,700.00	6,639.88	172.28	32.16	-76.43	-1,901.92	-6,429.95	2,523.34	2,370.61	152.73	16.522		
12,900.00	7,072.31	6,700.00	6,639.88	175.08	32.16	-76.43	-1,901.92	-6,429.95	2,454.10	2,296.16	157.95	15.537		
13,000.00	7,072.54	6,700.00	6,639.88	177.88	32.16	-76.43	-1,901.92	-6,429.95	2,387.05	2,223.68	163.37	14.612		
13,100.00	7,072.77	6,700.00	6,639.88	180.68	32.16	-76.43	-1,901.92	-6,429.95	2,322.36	2,153.39	168.97	13.744		
13,200.00	7,073.00	6,700.00	6,639.88	183.48	32.16	-76.43	-1,901.92	-6,429.95	2,260.25	2,085.50	174.75	12.934		
13,300.00	7,073.23	6,700.00	6,639.88	186.29	32.16	-76.43	-1,901.92	-6,429.95	2,200.93	2,020.26	180.68	12.182		
13,400.00	7,073.46	6,700.00	6,639.88	189.09	32.16	-76.43	-1,901.92	-6,429.95	2,144.64	1,957.91	186.73	11.485		
13,500.00	7,073.69	6,700.00	6,639.88	191.90	32.16	-76.43	-1,901.92	-6,429.95	2,091.62	1,898.76	192.86	10.845		
13,600.00	7,073.92	6,700.00	6,639.88	194.71	32.16	-76.43	-1,901.92	-6,429.95	2,042.11	1,843.09	199.03	10.260		
13,700.00	7,074.15	6,700.00	6,639.88	197.52	32.16	-76.43	-1,901.92	-6,429.95	1,996.40	1,791.21	205.18	9.730		
13,800.00	7,074.38	6,700.00	6,639.88	200.34	32.16	-76.43	-1,901.92	-6,429.95	1,954.73	1,743.47	211.26	9.253		
13,900.00	7,074.61	6,700.00	6,639.88	203.15	32.16	-76.43	-1,901.92	-6,429.95	1,917.38	1,700.20	217.18	8.828		
14,000.00	7,074.84	6,700.00	6,639.88	205.97	32.16	-76.43	-1,901.92	-6,429.95	1,884.60	1,661.72	222.88	8.456		

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

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 800-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	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)					
14,100.00	7,075.07	6,700.00	6,639.88	208.78	32.16	-76.43	-1,901.92	-6,429.95	1,856.63	1,628.36	228.27	8.133				
14,200.00	7,075.30	6,700.00	6,639.88	211.60	32.16	-76.43	-1,901.92	-6,429.95	1,833.70	1,600.43	233.27	7.861				
14,300.00	7,075.54	6,700.00	6,639.88	214.42	32.16	-76.43	-1,901.92	-6,429.95	1,815.99	1,578.19	237.81	7.636				
14,400.00	7,075.77	6,700.00	6,639.88	217.24	32.16	-76.43	-1,901.92	-6,429.95	1,803.66	1,561.86	241.80	7.459				
14,500.00	7,076.00	6,700.00	6,639.88	220.06	32.16	-76.43	-1,901.92	-6,429.95	1,796.82	1,551.63	245.19	7.328				
14,573.15	7,076.17	6,700.00	6,639.88	222.12	32.16	-76.43	-1,901.92	-6,429.95	1,795.33	1,548.06	247.27	7.261	CC			
14,600.00	7,076.23	6,700.00	6,639.88	222.88	32.16	-76.43	-1,901.92	-6,429.95	1,795.53	1,547.59	247.94	7.242	ES			
14,700.00	7,076.46	6,700.00	6,639.88	225.70	32.16	-76.43	-1,901.92	-6,429.95	1,799.81	1,549.79	250.02	7.199				
14,800.00	7,076.69	6,700.00	6,639.88	228.53	32.16	-76.43	-1,901.92	-6,429.95	1,809.61	1,558.19	251.42	7.198	SF			
14,900.00	7,076.92	6,700.00	6,639.88	231.35	32.16	-76.43	-1,901.92	-6,429.95	1,824.84	1,572.70	252.14	7.237				
15,000.00	7,077.15	6,700.00	6,639.88	234.18	32.16	-76.43	-1,901.92	-6,429.95	1,845.38	1,593.15	252.23	7.316				
15,100.00	7,077.38	6,700.00	6,639.88	237.00	32.16	-76.43	-1,901.92	-6,429.95	1,871.04	1,619.33	251.71	7.433				
15,200.00	7,077.61	6,700.00	6,639.88	239.83	32.16	-76.43	-1,901.92	-6,429.95	1,901.62	1,650.97	250.65	7.587				
15,300.00	7,077.84	6,700.00	6,639.88	242.66	32.16	-76.43	-1,901.92	-6,429.95	1,936.89	1,687.79	249.10	7.776				
15,400.00	7,078.07	6,700.00	6,639.88	245.49	32.16	-76.43	-1,901.92	-6,429.95	1,976.59	1,729.45	247.13	7.998				
15,500.00	7,078.30	6,700.00	6,639.88	248.31	32.16	-76.43	-1,901.92	-6,429.95	2,020.46	1,775.65	244.81	8.253				
15,600.00	7,078.53	6,700.00	6,639.88	251.14	32.16	-76.43	-1,901.92	-6,429.95	2,068.25	1,826.04	242.20	8.539				
15,700.00	7,078.76	6,700.00	6,639.88	253.97	32.16	-76.43	-1,901.92	-6,429.95	2,119.67	1,880.31	239.37	8.855				
15,800.00	7,078.99	6,700.00	6,639.88	256.80	32.16	-76.43	-1,901.92	-6,429.95	2,174.49	1,938.13	236.36	9.200				
15,900.00	7,079.22	6,700.00	6,639.88	259.64	32.16	-76.43	-1,901.92	-6,429.95	2,232.43	1,999.21	233.22	9.572				
16,000.00	7,079.45	6,700.00	6,639.88	262.47	32.16	-76.43	-1,901.92	-6,429.95	2,293.28	2,063.27	230.01	9.970				
16,100.00	7,079.69	6,700.00	6,639.88	265.30	32.16	-76.43	-1,901.92	-6,429.95	2,356.80	2,130.05	226.75	10.394				
16,200.00	7,079.92	6,700.00	6,639.88	268.13	32.16	-76.43	-1,901.92	-6,429.95	2,422.78	2,199.30	223.48	10.841				
16,300.00	7,080.15	6,700.00	6,639.88	270.97	32.16	-76.43	-1,901.92	-6,429.95	2,491.03	2,270.81	220.22	11.312				
16,400.00	7,080.38	6,700.00	6,639.88	273.80	32.16	-76.43	-1,901.92	-6,429.95	2,561.37	2,344.37	217.00	11.804				
16,500.00	7,080.61	6,700.00	6,639.88	276.64	32.16	-76.43	-1,901.92	-6,429.95	2,633.63	2,419.81	213.82	12.317				
16,600.00	7,080.84	6,700.00	6,639.88	279.47	32.16	-76.43	-1,901.92	-6,429.95	2,707.65	2,496.94	210.71	12.850				
16,700.00	7,081.07	6,700.00	6,639.88	282.31	32.16	-76.43	-1,901.92	-6,429.95	2,783.29	2,575.63	207.67	13.403				
16,800.00	7,081.30	6,700.00	6,639.88	285.14	32.16	-76.43	-1,901.92	-6,429.95	2,860.44	2,655.73	204.71	13.973				
16,900.00	7,081.53	6,700.00	6,639.88	287.98	32.16	-76.43	-1,901.92	-6,429.95	2,938.96	2,737.13	201.83	14.562				
17,000.00	7,081.76	6,700.00	6,639.88	290.82	32.16	-76.43	-1,901.92	-6,429.95	3,018.75	2,819.71	199.04	15.166				
17,100.00	7,081.99	6,700.00	6,639.88	293.65	32.16	-76.43	-1,901.92	-6,429.95	3,099.71	2,903.37	196.34	15.787				
17,200.00	7,082.22	6,700.00	6,639.88	296.49	32.16	-76.43	-1,901.92	-6,429.95	3,181.76	2,988.03	193.73	16.424				
17,300.00	7,082.45	6,700.00	6,639.88	299.33	32.16	-76.43	-1,901.92	-6,429.95	3,264.81	3,073.59	191.21	17.074				
17,400.00	7,082.68	6,700.00	6,639.88	302.17	32.16	-76.43	-1,901.92	-6,429.95	3,348.78	3,160.00	188.78	17.739				
17,500.00	7,082.91	6,700.00	6,639.88	305.01	32.16	-76.43	-1,901.92	-6,429.95	3,433.61	3,247.18	186.44	18.417				
17,600.00	7,083.14	6,700.00	6,639.88	307.85	32.16	-76.43	-1,901.92	-6,429.95	3,519.24	3,335.07	184.18	19.108				
17,700.00	7,083.37	6,700.00	6,639.88	310.69	32.16	-76.43	-1,901.92	-6,429.95	3,605.61	3,423.61	182.00	19.811				
17,800.00	7,083.60	6,700.00	6,639.88	313.53	32.16	-76.43	-1,901.92	-6,429.95	3,692.67	3,512.77	179.90	20.526				
17,900.00	7,083.84	6,700.00	6,639.88	316.37	32.16	-76.43	-1,901.92	-6,429.95	3,780.37	3,602.48	177.88	21.252				
18,000.00	7,084.07	6,700.00	6,639.88	319.21	32.16	-76.43	-1,901.92	-6,429.95	3,868.66	3,692.72	175.94	21.988				
18,100.00	7,084.30	6,700.00	6,639.88	322.05	32.16	-76.43	-1,901.92	-6,429.95	3,957.51	3,783.44	174.07	22.735				
18,200.00	7,084.53	6,700.00	6,639.88	324.89	32.16	-76.43	-1,901.92	-6,429.95	4,046.89	3,874.62	172.27	23.492				
18,300.00	7,084.76	6,700.00	6,639.88	327.73	32.16	-76.43	-1,901.92	-6,429.95	4,136.75	3,966.21	170.53	24.258				
18,400.00	7,084.99	6,700.00	6,639.88	330.57	32.16	-76.43	-1,901.92	-6,429.95	4,227.06	4,058.20	168.86	25.033				
18,500.00	7,085.22	6,700.00	6,639.88	333.41	32.16	-76.43	-1,901.92	-6,429.95	4,317.80	4,150.55	167.25	25.816				
18,600.00	7,085.45	6,700.00	6,639.88	336.26	32.16	-76.43	-1,901.92	-6,429.95	4,408.94	4,243.24	165.70	26.608				
18,700.00	7,085.68	6,700.00	6,639.88	339.10	32.16	-76.43	-1,901.92	-6,429.95	4,500.46	4,336.26	164.20	27.408				
18,800.00	7,085.91	6,700.00	6,639.88	341.94	32.16	-76.43	-1,901.92	-6,429.95	4,592.33	4,429.57	162.76	28.215				
18,839.14	7,086.00	6,700.00	6,639.88	343.06	32.16	-76.43	-1,901.92	-6,429.95	4,628.38	4,466.17	162.21	28.533				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.15	-2,167.71	-5,602.21	6,006.97					
100.00	100.00	85.00	85.00	3.28	3.29	-111.15	-2,167.71	-5,602.21	6,006.97	6,000.40	6.57	914.303		
200.00	200.00	185.00	185.00	3.34	3.31	-111.15	-2,167.71	-5,602.21	6,006.97	6,000.33	6.64	904.383		
300.00	300.00	285.00	285.00	3.44	3.34	-111.15	-2,167.71	-5,602.21	6,006.97	6,000.19	6.78	885.462		
400.00	399.98	384.98	384.98	3.60	3.39	153.33	-2,167.71	-5,602.21	6,008.53	6,001.55	6.99	860.017		
500.00	499.84	484.84	484.84	3.80	3.45	153.31	-2,167.71	-5,602.21	6,013.21	6,005.96	7.25	829.897		
600.00	599.45	584.45	584.45	4.04	3.52	153.28	-2,167.71	-5,602.21	6,021.00	6,013.44	7.56	796.566		
700.00	698.70	683.70	683.70	4.31	3.61	153.23	-2,167.71	-5,602.21	6,031.90	6,023.98	7.92	761.708		
800.00	797.47	782.47	782.47	4.62	3.70	153.17	-2,167.71	-5,602.21	6,045.90	6,037.58	8.32	726.608		
900.00	895.62	880.62	880.62	4.97	3.81	153.10	-2,167.71	-5,602.21	6,062.98	6,054.22	8.76	692.173		
980.89	974.49	1,607.47	1,592.00	5.27	5.00	153.69	-2,161.80	-5,594.22	6,102.35	6,092.11	10.24	595.814		
1,000.00	993.07	1,611.36	1,610.71	5.34	5.01	153.71	-2,160.59	-5,592.59	6,104.44	6,094.11	10.33	591.147		
1,100.00	1,090.26	1,709.87	1,708.65	5.75	5.35	153.83	-2,154.28	-5,584.07	6,115.38	6,104.35	11.03	554.292		
1,200.00	1,187.45	1,808.37	1,806.58	6.17	5.71	153.96	-2,147.97	-5,575.55	6,126.35	6,114.58	11.77	520.488		
1,300.00	1,284.64	1,906.88	1,904.52	6.62	6.09	154.08	-2,141.66	-5,567.03	6,137.35	6,124.81	12.54	489.574		
1,400.00	1,381.83	2,005.39	2,002.45	7.07	6.48	154.20	-2,135.35	-5,558.51	6,148.37	6,135.05	13.32	461.476		
1,500.00	1,479.01	2,103.89	2,100.39	7.54	6.88	154.33	-2,129.04	-5,549.99	6,159.43	6,145.30	14.13	435.929		
1,600.00	1,576.20	2,202.40	2,198.32	8.02	7.29	154.45	-2,122.73	-5,541.47	6,170.51	6,155.56	14.95	412.714		
1,700.00	1,673.39	2,300.91	2,296.26	8.50	7.71	154.57	-2,116.43	-5,532.95	6,181.62	6,165.84	15.79	391.594		
1,800.00	1,770.58	2,399.41	2,394.19	8.99	8.14	154.69	-2,110.12	-5,524.42	6,192.76	6,176.13	16.63	372.350		
1,900.00	1,867.77	2,502.08	2,492.12	9.48	8.59	154.81	-2,103.81	-5,515.90	6,203.93	6,186.43	17.50	354.432		
2,000.00	1,964.96	2,603.57	2,590.06	9.98	9.04	154.93	-2,097.50	-5,507.38	6,215.13	6,196.75	18.38	338.151		
2,100.00	2,062.15	2,705.07	2,687.99	10.49	9.50	155.05	-2,091.19	-5,498.86	6,226.35	6,207.08	19.26	323.232		
2,200.00	2,159.34	2,806.56	2,785.93	10.99	9.96	155.17	-2,084.88	-5,490.34	6,237.60	6,217.44	20.15	309.527		
2,300.00	2,256.53	2,908.05	2,883.86	11.50	10.42	155.29	-2,078.57	-5,481.82	6,248.87	6,227.83	21.05	296.905		
2,400.00	2,353.71	3,009.55	2,981.80	12.01	10.89	155.41	-2,072.26	-5,473.30	6,260.18	6,238.23	21.95	285.252		
2,500.00	2,450.90	3,088.96	3,079.73	12.53	11.26	155.53	-2,065.95	-5,464.77	6,271.51	6,248.75	22.76	275.606		
2,600.00	2,548.09	3,187.47	3,177.67	13.04	11.71	155.65	-2,059.64	-5,456.25	6,282.87	6,259.22	23.65	265.668		
2,700.00	2,645.28	3,285.97	3,275.60	13.56	12.17	155.76	-2,053.33	-5,447.73	6,294.25	6,269.70	24.55	256.421		
2,800.00	2,742.47	3,384.48	3,373.53	14.08	12.63	155.88	-2,047.02	-5,439.21	6,305.66	6,280.21	25.45	247.800		
2,900.00	2,839.66	3,482.99	3,471.47	14.60	13.09	156.00	-2,040.72	-5,430.69	6,317.10	6,290.75	26.35	239.746		
3,000.00	2,936.85	3,581.49	3,569.40	15.12	13.55	156.11	-2,034.41	-5,422.17	6,328.56	6,301.30	27.25	232.207		
3,100.00	3,034.04	3,680.00	3,667.34	15.65	14.02	156.23	-2,028.10	-5,413.65	6,340.05	6,311.89	28.16	225.137		
3,200.00	3,131.22	3,778.51	3,765.27	16.17	14.48	156.35	-2,021.79	-5,405.13	6,351.56	6,322.49	29.07	218.495		
3,300.00	3,228.41	3,877.01	3,863.21	16.69	14.95	156.46	-2,015.48	-5,396.60	6,363.10	6,333.12	29.98	212.245		
3,400.00	3,325.60	3,975.52	3,961.14	17.22	15.42	156.58	-2,009.17	-5,388.08	6,374.67	6,343.78	30.89	206.354		
3,500.00	3,422.79	4,074.03	4,059.08	17.75	15.88	156.69	-2,002.86	-5,379.56	6,386.26	6,354.46	31.81	200.793		
3,600.00	3,519.98	4,172.53	4,157.01	18.27	16.35	156.80	-1,996.55	-5,371.04	6,397.88	6,365.16	32.72	195.535		
3,700.00	3,617.17	4,271.04	4,254.94	18.80	16.82	156.92	-1,990.24	-5,362.52	6,409.52	6,375.88	33.64	190.558		
3,800.00	3,714.36	4,369.55	4,352.88	19.33	17.29	157.03	-1,983.93	-5,354.00	6,421.19	6,386.63	34.55	185.840		
3,900.00	3,811.55	4,468.06	4,450.81	19.86	17.76	157.14	-1,977.62	-5,345.48	6,432.88	6,397.41	35.47	181.362		
4,000.00	3,908.74	4,566.56	4,548.75	20.39	18.23	157.25	-1,971.31	-5,336.95	6,444.60	6,408.21	36.39	177.105		
4,100.00	4,005.92	4,665.07	4,646.68	20.92	18.71	157.37	-1,965.01	-5,328.43	6,456.34	6,419.03	37.31	173.056		
4,200.00	4,103.11	4,763.58	4,744.62	21.45	19.18	157.48	-1,958.70	-5,319.91	6,468.10	6,429.88	38.23	169.198		
4,300.00	4,200.30	4,862.08	4,842.55	21.98	19.65	157.59	-1,952.39	-5,311.39	6,479.89	6,440.75	39.15	165.520		
4,400.00	4,297.49	4,960.59	4,940.49	22.51	20.12	157.70	-1,946.08	-5,302.87	6,491.71	6,451.64	40.07	162.008		
4,500.00	4,394.68	5,059.10	5,038.42	23.04	20.60	157.81	-1,939.77	-5,294.35	6,503.55	6,462.56	40.99	158.653		
4,600.00	4,491.87	5,157.60	5,136.35	23.57	21.07	157.92	-1,933.46	-5,285.83	6,515.41	6,473.50	41.91	155.444		
4,700.00	4,589.06	5,256.11	5,234.29	24.10	21.54	158.03	-1,927.15	-5,277.30	6,527.30	6,484.46	42.84	152.372		
4,800.00	4,686.25	5,354.62	5,332.22	24.64	22.02	158.14	-1,920.84	-5,268.78	6,539.21	6,495.45	43.76	149.429		
4,900.00	4,783.43	5,453.12	5,430.16	25.17	22.49	158.25	-1,914.53	-5,260.26	6,551.14	6,506.46	44.69	146.606		
5,000.00	4,880.62	5,551.63	5,528.09	25.70	22.97	158.35	-1,908.22	-5,251.74	6,563.10	6,517.49	45.61	143.897		

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

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

Offset Design													Falken 9-11 PAD - Harvesters Resources #15U-203(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 1500-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	4,977.81	5,650.14	5,626.03	26.23	23.44	158.46	-1,901.91	-5,243.22	6,575.08	6,528.55	46.53	141.295				
5,200.00	5,075.00	5,716.15	5,691.66	26.77	23.76	158.53	-1,897.69	-5,237.51	6,587.16	6,539.86	47.31	139.247				
5,300.00	5,172.19	5,757.66	5,732.96	27.30	23.96	158.58	-1,895.21	-5,234.16	6,600.00	6,552.04	47.96	137.627				
5,400.00	5,269.38	5,800.00	5,775.14	27.83	24.16	158.62	-1,893.04	-5,231.24	6,613.91	6,565.31	48.61	136.073				
5,457.75	5,325.51	5,800.00	5,775.14	28.14	24.16	158.62	-1,893.04	-5,231.24	6,622.38	6,573.52	48.86	135.541				
5,500.00	5,366.64	5,800.00	5,775.14	28.37	24.16	158.67	-1,893.04	-5,231.24	6,628.59	6,579.55	49.04	135.167				
5,600.00	5,464.53	5,851.10	5,826.11	28.87	24.38	158.81	-1,890.93	-5,228.38	6,641.45	6,591.74	49.71	133.614				
5,700.00	5,563.07	5,900.00	5,874.95	29.35	24.60	158.92	-1,889.41	-5,226.33	6,652.25	6,601.91	50.35	132.132				
5,800.00	5,662.15	5,900.00	5,874.95	29.80	24.60	158.98	-1,889.41	-5,226.33	6,660.74	6,610.02	50.72	131.330				
5,900.00	5,761.64	5,945.20	5,920.12	30.23	24.79	159.04	-1,888.45	-5,225.03	6,666.99	6,615.69	51.30	129.967				
6,000.00	5,861.42	6,000.00	5,974.91	30.64	25.02	159.09	-1,887.85	-5,224.22	6,671.18	6,619.27	51.91	128.515				
6,100.00	5,961.36	6,008.19	5,983.10	31.02	25.05	159.10	-1,887.81	-5,224.17	6,672.87	6,620.61	52.26	127.687				
6,138.64	6,000.00	6,040.09	5,985.00	31.16	25.18	-105.39	-1,887.78	-5,224.13	6,672.97	6,620.47	52.50	127.097				
6,200.00	6,061.36	6,071.45	6,046.36	31.38	25.31	-105.39	-1,887.78	-5,224.13	6,672.97	6,620.11	52.86	126.236				
6,300.00	6,161.36	6,171.45	6,146.36	31.74	25.70	-105.39	-1,887.78	-5,224.13	6,672.97	6,619.32	53.65	124.379				
6,400.00	6,261.36	6,271.45	6,246.36	32.10	26.10	-105.39	-1,887.78	-5,224.13	6,672.97	6,618.53	54.44	122.572				
6,500.00	6,361.36	6,371.45	6,346.36	32.46	26.50	-105.39	-1,887.78	-5,224.13	6,672.97	6,617.74	55.23	120.814				
6,562.02	6,423.38	6,384.61	6,359.52	32.68	26.55	-105.39	-1,888.07	-5,224.13	6,673.22	6,617.76	55.47	120.314				
6,600.00	6,461.34	6,400.00	6,374.90	32.82	26.61	-15.12	-1,888.65	-5,224.13	6,672.49	6,616.85	55.64	119.930				
6,650.00	6,511.08	6,400.00	6,374.90	32.99	26.61	-15.21	-1,888.65	-5,224.13	6,668.44	6,612.70	55.74	119.634				
6,700.00	6,560.29	6,400.00	6,374.90	33.17	26.61	-15.39	-1,888.65	-5,224.13	6,661.00	6,605.17	55.83	119.310				
6,750.00	6,608.64	6,440.17	6,414.95	33.36	26.74	-15.71	-1,891.62	-5,224.13	6,649.80	6,593.69	56.10	118.532				
6,800.00	6,655.86	6,454.23	6,428.93	33.56	26.79	-16.11	-1,893.16	-5,224.13	6,635.35	6,579.12	56.23	117.998				
6,850.00	6,701.64	6,467.80	6,442.39	33.78	26.83	-16.62	-1,894.88	-5,224.13	6,617.58	6,561.23	56.35	117.438				
6,900.00	6,745.71	6,500.00	6,474.19	34.01	26.94	-17.32	-1,899.93	-5,224.14	6,596.67	6,540.12	56.55	116.654				
6,950.00	6,787.79	6,500.00	6,474.19	34.27	26.94	-18.08	-1,899.93	-5,224.14	6,572.45	6,515.88	56.58	116.169				
7,000.00	6,827.62	6,500.00	6,474.19	34.56	26.94	-19.00	-1,899.93	-5,224.14	6,545.32	6,488.73	56.60	115.652				
7,050.00	6,864.96	6,500.00	6,474.19	34.87	26.94	-20.13	-1,899.93	-5,224.14	6,515.40	6,458.79	56.61	115.101				
7,100.00	6,899.58	6,500.00	6,474.19	35.21	26.94	-21.50	-1,899.93	-5,224.14	6,482.83	6,426.22	56.61	114.514				
7,150.00	6,931.26	6,534.78	6,508.26	35.60	27.04	-23.41	-1,906.89	-5,224.14	6,447.47	6,390.68	56.79	113.537				
7,200.00	6,959.81	6,542.95	6,516.22	36.02	27.06	-25.58	-1,908.75	-5,224.14	6,409.95	6,353.11	56.83	112.787				
7,250.00	6,985.06	6,550.15	6,523.21	36.47	27.08	-28.30	-1,910.46	-5,224.14	6,370.30	6,313.43	56.87	112.006				
7,300.00	7,006.84	6,556.34	6,529.21	36.97	27.10	-31.73	-1,911.98	-5,224.14	6,328.75	6,271.84	56.92	111.192				
7,350.00	7,025.02	6,561.49	6,534.19	37.51	27.11	-36.12	-1,913.28	-5,224.14	6,285.53	6,228.57	56.96	110.346				
7,400.00	7,039.49	6,565.58	6,538.14	38.09	27.13	-41.80	-1,914.34	-5,224.14	6,240.88	6,183.87	57.01	109.469				
7,450.00	7,050.17	6,600.00	6,571.15	38.70	27.23	-49.92	-1,924.08	-5,224.14	6,195.33	6,138.10	57.23	108.252				
7,500.00	7,056.98	6,600.00	6,571.15	39.33	27.23	-59.63	-1,924.08	-5,224.14	6,148.56	6,091.28	57.28	107.335				
7,550.00	7,059.89	6,600.00	6,571.15	39.99	27.23	-71.79	-1,924.08	-5,224.14	6,101.18	6,043.83	57.35	106.381				
7,560.55	7,060.00	6,600.00	6,571.15	40.13	27.23	-74.64	-1,924.08	-5,224.14	6,091.13	6,033.76	57.37	106.174				
7,600.00	7,060.09	6,600.00	6,571.15	40.67	27.23	-74.64	-1,924.08	-5,224.14	6,053.53	5,996.10	57.43	105.401				
7,700.00	7,060.32	6,600.00	6,571.15	42.14	27.23	-74.64	-1,924.08	-5,224.14	5,958.34	5,900.72	57.62	103.411				
7,800.00	7,060.55	6,600.00	6,571.15	43.75	27.23	-74.64	-1,924.08	-5,224.14	5,863.30	5,805.46	57.84	101.375				
7,900.00	7,060.78	6,600.00	6,571.15	45.48	27.23	-74.64	-1,924.08	-5,224.14	5,768.43	5,710.34	58.10	99.292				
8,000.00	7,061.01	6,600.00	6,571.15	47.33	27.23	-74.64	-1,924.08	-5,224.14	5,673.74	5,615.35	58.39	97.164				
8,100.00	7,061.24	6,600.00	6,571.15	49.27	27.23	-74.64	-1,924.08	-5,224.14	5,579.24	5,520.51	58.73	94.992				
8,200.00	7,061.47	6,600.00	6,571.15	51.29	27.23	-74.64	-1,924.08	-5,224.14	5,484.93	5,425.81	59.12	92.776				
8,300.00	7,061.70	6,600.00	6,571.15	53.40	27.23	-74.64	-1,924.08	-5,224.14	5,390.82	5,331.27	59.55	90.519				
8,400.00	7,061.93	6,600.00	6,571.15	55.57	27.23	-74.64	-1,924.08	-5,224.14	5,296.94	5,236.90	60.04	88.224				
8,500.00	7,062.16	6,600.00	6,571.15	57.80	27.23	-74.64	-1,924.08	-5,224.14	5,203.27	5,142.70	60.58	85.893				
8,600.00	7,062.39	6,600.00	6,571.15	60.08	27.23	-74.64	-1,924.08	-5,224.14	5,109.85	5,048.68	61.17	83.529				
8,700.00	7,062.63	6,600.00	6,571.15	62.42	27.23	-74.64	-1,924.08	-5,224.14	5,016.69	4,954.86	61.83	81.137				
8,800.00	7,062.86	6,600.00	6,571.15	64.79	27.23	-74.64	-1,924.08	-5,224.14	4,923.79	4,861.24	62.55	78.720				

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,063.09	6,600.00	6,571.15	67.20	27.23	-74.64	-1,924.08	-5,224.14	4,831.17	4,767.84	63.33	76.283		
9,000.00	7,063.32	6,600.00	6,571.15	69.65	27.23	-74.64	-1,924.08	-5,224.14	4,738.86	4,674.67	64.19	73.830		
9,100.00	7,063.55	6,600.00	6,571.15	72.12	27.23	-74.64	-1,924.08	-5,224.14	4,646.86	4,581.75	65.11	71.367		
9,200.00	7,063.78	6,600.00	6,571.15	74.63	27.23	-74.64	-1,924.08	-5,224.14	4,555.20	4,489.08	66.11	68.899		
9,300.00	7,064.01	6,600.00	6,571.15	77.16	27.23	-74.64	-1,924.08	-5,224.14	4,463.90	4,396.70	67.20	66.431		
9,400.00	7,064.24	6,600.00	6,571.15	79.71	27.23	-74.64	-1,924.08	-5,224.14	4,372.97	4,304.61	68.36	63.969		
9,500.00	7,064.47	6,600.00	6,571.15	82.28	27.23	-74.64	-1,924.08	-5,224.14	4,282.46	4,212.85	69.61	61.519		
9,600.00	7,064.70	6,600.00	6,571.15	84.87	27.23	-74.64	-1,924.08	-5,224.14	4,192.37	4,121.42	70.95	59.085		
9,700.00	7,064.93	6,600.00	6,571.15	87.47	27.23	-74.64	-1,924.08	-5,224.14	4,102.75	4,030.35	72.39	56.674		
9,800.00	7,065.16	6,600.00	6,571.15	90.09	27.23	-74.64	-1,924.08	-5,224.14	4,013.61	3,939.68	73.93	54.290		
9,900.00	7,065.39	6,600.00	6,571.15	92.73	27.23	-74.64	-1,924.08	-5,224.14	3,925.00	3,849.43	75.57	51.940		
10,000.00	7,065.62	6,600.00	6,571.15	95.38	27.23	-74.64	-1,924.08	-5,224.14	3,836.94	3,759.63	77.32	49.626		
10,100.00	7,065.85	6,600.00	6,571.15	98.04	27.23	-74.64	-1,924.08	-5,224.14	3,749.49	3,670.31	79.18	47.355		
10,200.00	7,066.08	6,600.00	6,571.15	100.71	27.23	-74.64	-1,924.08	-5,224.14	3,662.68	3,581.52	81.16	45.131		
10,300.00	7,066.31	6,600.00	6,571.15	103.39	27.23	-74.64	-1,924.08	-5,224.14	3,576.55	3,493.30	83.26	42.957		
10,400.00	7,066.54	6,600.00	6,571.15	106.08	27.23	-74.64	-1,924.08	-5,224.14	3,491.17	3,405.68	85.49	40.837		
10,500.00	7,066.77	6,600.00	6,571.15	108.78	27.23	-74.64	-1,924.08	-5,224.14	3,406.58	3,318.73	87.86	38.774		
10,600.00	7,067.01	6,600.00	6,571.15	111.48	27.23	-74.64	-1,924.08	-5,224.14	3,322.85	3,232.49	90.36	36.772		
10,700.00	7,067.24	6,600.00	6,571.15	114.20	27.23	-74.64	-1,924.08	-5,224.14	3,240.05	3,147.03	93.02	34.833		
10,800.00	7,067.47	6,600.00	6,571.15	116.92	27.23	-74.64	-1,924.08	-5,224.14	3,158.23	3,062.41	95.82	32.959		
10,900.00	7,067.70	6,600.00	6,571.15	119.65	27.23	-74.64	-1,924.08	-5,224.14	3,077.49	2,978.71	98.79	31.153		
11,000.00	7,067.93	6,600.00	6,571.15	122.38	27.23	-74.64	-1,924.08	-5,224.14	2,997.92	2,896.00	101.91	29.416		
11,100.00	7,068.16	6,600.00	6,571.15	125.12	27.23	-74.64	-1,924.08	-5,224.14	2,919.60	2,814.38	105.21	27.749		
11,200.00	7,068.39	6,600.00	6,571.15	127.86	27.23	-74.64	-1,924.08	-5,224.14	2,842.64	2,733.95	108.69	26.154		
11,300.00	7,068.62	6,600.00	6,571.15	130.61	27.23	-74.64	-1,924.08	-5,224.14	2,767.15	2,654.81	112.34	24.632		
11,400.00	7,068.85	6,600.00	6,571.15	133.37	27.23	-74.64	-1,924.08	-5,224.14	2,693.26	2,577.08	116.18	23.182		
11,500.00	7,069.08	6,600.00	6,571.15	136.12	27.23	-74.64	-1,924.08	-5,224.14	2,621.11	2,500.91	120.20	21.806		
11,600.00	7,069.31	6,600.00	6,571.15	138.89	27.23	-74.64	-1,924.08	-5,224.14	2,550.83	2,426.42	124.41	20.503		
11,700.00	7,069.54	6,600.00	6,571.15	141.65	27.23	-74.64	-1,924.08	-5,224.14	2,482.59	2,353.79	128.81	19.274		
11,800.00	7,069.77	6,600.00	6,571.15	144.42	27.23	-74.64	-1,924.08	-5,224.14	2,416.57	2,283.19	133.38	18.118		
11,900.00	7,070.00	6,600.00	6,571.15	147.19	27.23	-74.64	-1,924.08	-5,224.14	2,352.94	2,214.81	138.13	17.034		
12,000.00	7,070.23	6,600.00	6,571.15	149.97	27.23	-74.64	-1,924.08	-5,224.14	2,291.92	2,148.88	143.04	16.023		
12,100.00	7,070.46	6,600.00	6,571.15	152.75	27.23	-74.64	-1,924.08	-5,224.14	2,233.70	2,085.60	148.10	15.083		
12,200.00	7,070.69	6,600.00	6,571.15	155.53	27.23	-74.64	-1,924.08	-5,224.14	2,178.52	2,025.25	153.28	14.213		
12,300.00	7,070.92	6,600.00	6,571.15	158.32	27.23	-74.64	-1,924.08	-5,224.14	2,126.62	1,968.07	158.55	13.413		
12,400.00	7,071.16	6,600.00	6,571.15	161.10	27.23	-74.64	-1,924.08	-5,224.14	2,078.23	1,914.35	163.88	12.681		
12,500.00	7,071.39	6,600.00	6,571.15	163.89	27.23	-74.64	-1,924.08	-5,224.14	2,033.61	1,864.38	169.23	12.017		
12,600.00	7,071.62	6,600.00	6,571.15	166.69	27.23	-74.64	-1,924.08	-5,224.14	1,993.02	1,818.46	174.55	11.418		
12,700.00	7,071.85	6,600.00	6,571.15	169.48	27.23	-74.64	-1,924.08	-5,224.14	1,956.69	1,776.91	179.79	10.883		
12,800.00	7,072.08	6,600.00	6,571.15	172.28	27.23	-74.64	-1,924.08	-5,224.14	1,924.89	1,740.02	184.87	10.412		
12,900.00	7,072.31	6,600.00	6,571.15	175.08	27.23	-74.64	-1,924.08	-5,224.14	1,897.82	1,708.08	189.74	10.002		
13,000.00	7,072.54	6,600.00	6,571.15	177.88	27.23	-74.64	-1,924.08	-5,224.14	1,875.70	1,681.36	194.34	9.652		
13,100.00	7,072.77	6,600.00	6,571.15	180.68	27.23	-74.64	-1,924.08	-5,224.14	1,858.71	1,660.11	198.60	9.359		
13,200.00	7,073.00	6,600.00	6,571.15	183.48	27.23	-74.64	-1,924.08	-5,224.14	1,846.98	1,644.53	202.45	9.123		
13,300.00	7,073.23	6,600.00	6,571.15	186.29	27.23	-74.64	-1,924.08	-5,224.14	1,840.62	1,634.77	205.85	8.942		
13,367.31	7,073.39	6,600.00	6,571.15	188.18	27.23	-74.64	-1,924.08	-5,224.14	1,839.39	1,631.53	207.86	8.849 CC		
13,400.00	7,073.46	6,600.00	6,571.15	189.09	27.23	-74.64	-1,924.08	-5,224.14	1,839.68	1,630.92	208.76	8.813 ES		
13,500.00	7,073.69	6,600.00	6,571.15	191.90	27.23	-74.64	-1,924.08	-5,224.14	1,844.17	1,633.03	211.14	8.734		
13,600.00	7,073.92	6,600.00	6,571.15	194.71	27.23	-74.64	-1,924.08	-5,224.14	1,854.05	1,641.06	212.98	8.705 SF		
13,700.00	7,074.15	6,600.00	6,571.15	197.52	27.23	-74.64	-1,924.08	-5,224.14	1,869.23	1,654.94	214.29	8.723		
13,800.00	7,074.38	6,600.00	6,571.15	200.34	27.23	-74.64	-1,924.08	-5,224.14	1,889.59	1,674.52	215.07	8.786		
13,900.00	7,074.61	6,600.00	6,571.15	203.15	27.23	-74.64	-1,924.08	-5,224.14	1,914.97	1,699.62	215.35	8.892		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	6,600.00	6,571.15	205.97	27.23	-74.64	-1,924.08	-5,224.14	1,945.16	1,729.99	215.17	9.040		
14,100.00	7,075.07	6,600.00	6,571.15	208.78	27.23	-74.64	-1,924.08	-5,224.14	1,979.94	1,765.37	214.57	9.227		
14,200.00	7,075.30	6,600.00	6,571.15	211.60	27.23	-74.64	-1,924.08	-5,224.14	2,019.09	1,805.49	213.60	9.453		
14,300.00	7,075.54	6,600.00	6,571.15	214.42	27.23	-74.64	-1,924.08	-5,224.14	2,062.34	1,850.05	212.30	9.714		
14,400.00	7,075.77	6,600.00	6,571.15	217.24	27.23	-74.64	-1,924.08	-5,224.14	2,109.45	1,898.73	210.72	10.011		
14,500.00	7,076.00	6,600.00	6,571.15	220.06	27.23	-74.64	-1,924.08	-5,224.14	2,160.17	1,951.25	208.92	10.340		
14,600.00	7,076.23	6,600.00	6,571.15	222.88	27.23	-74.64	-1,924.08	-5,224.14	2,214.24	2,007.31	206.93	10.700		
14,700.00	7,076.46	6,600.00	6,571.15	225.70	27.23	-74.64	-1,924.08	-5,224.14	2,271.43	2,066.63	204.80	11.091		
14,800.00	7,076.69	6,600.00	6,571.15	228.53	27.23	-74.64	-1,924.08	-5,224.14	2,331.51	2,128.95	202.57	11.510		
14,900.00	7,076.92	6,600.00	6,571.15	231.35	27.23	-74.64	-1,924.08	-5,224.14	2,394.26	2,194.01	200.25	11.956		
15,000.00	7,077.15	6,600.00	6,571.15	234.18	27.23	-74.64	-1,924.08	-5,224.14	2,459.48	2,261.58	197.90	12.428		
15,100.00	7,077.38	6,600.00	6,571.15	237.00	27.23	-74.64	-1,924.08	-5,224.14	2,526.97	2,331.45	195.51	12.925		
15,200.00	7,077.61	6,600.00	6,571.15	239.83	27.23	-74.64	-1,924.08	-5,224.14	2,596.55	2,403.43	193.13	13.445		
15,300.00	7,077.84	6,600.00	6,571.15	242.66	27.23	-74.64	-1,924.08	-5,224.14	2,668.08	2,477.32	190.75	13.987		
15,400.00	7,078.07	6,600.00	6,571.15	245.49	27.23	-74.64	-1,924.08	-5,224.14	2,741.38	2,552.98	188.40	14.551		
15,500.00	7,078.30	6,600.00	6,571.15	248.31	27.23	-74.64	-1,924.08	-5,224.14	2,816.33	2,630.24	186.09	15.135		
15,600.00	7,078.53	6,600.00	6,571.15	251.14	27.23	-74.64	-1,924.08	-5,224.14	2,892.79	2,708.98	183.81	15.738		
15,700.00	7,078.76	6,600.00	6,571.15	253.97	27.23	-74.64	-1,924.08	-5,224.14	2,970.65	2,789.06	181.59	16.359		
15,800.00	7,078.99	6,600.00	6,571.15	256.80	27.23	-74.64	-1,924.08	-5,224.14	3,049.81	2,870.38	179.42	16.998		
15,900.00	7,079.22	6,600.00	6,571.15	259.64	27.23	-74.64	-1,924.08	-5,224.14	3,130.15	2,952.84	177.31	17.653		
16,000.00	7,079.45	6,600.00	6,571.15	262.47	27.23	-74.64	-1,924.08	-5,224.14	3,211.60	3,036.34	175.26	18.325		
16,100.00	7,079.69	6,600.00	6,571.15	265.30	27.23	-74.64	-1,924.08	-5,224.14	3,294.08	3,120.81	173.27	19.011		
16,200.00	7,079.92	6,600.00	6,571.15	268.13	27.23	-74.64	-1,924.08	-5,224.14	3,377.50	3,206.15	171.34	19.712		
16,300.00	7,080.15	6,600.00	6,571.15	270.97	27.23	-74.64	-1,924.08	-5,224.14	3,461.79	3,292.32	169.47	20.427		
16,400.00	7,080.38	6,600.00	6,571.15	273.80	27.23	-74.64	-1,924.08	-5,224.14	3,546.91	3,379.24	167.67	21.154		
16,500.00	7,080.61	6,600.00	6,571.15	276.64	27.23	-74.64	-1,924.08	-5,224.14	3,632.78	3,466.86	165.92	21.894		
16,600.00	7,080.84	6,600.00	6,571.15	279.47	27.23	-74.64	-1,924.08	-5,224.14	3,719.36	3,555.12	164.23	22.647		
16,700.00	7,081.07	6,600.00	6,571.15	282.31	27.23	-74.64	-1,924.08	-5,224.14	3,806.59	3,643.99	162.61	23.410		
16,800.00	7,081.30	6,600.00	6,571.15	285.14	27.23	-74.64	-1,924.08	-5,224.14	3,894.45	3,733.41	161.03	24.184		
16,900.00	7,081.53	6,600.00	6,571.15	287.98	27.23	-74.64	-1,924.08	-5,224.14	3,982.87	3,823.36	159.51	24.969		
17,000.00	7,081.76	6,600.00	6,571.15	290.82	27.23	-74.64	-1,924.08	-5,224.14	4,071.83	3,913.78	158.05	25.763		
17,100.00	7,081.99	6,600.00	6,571.15	293.65	27.23	-74.64	-1,924.08	-5,224.14	4,161.29	4,004.66	156.63	26.567		
17,200.00	7,082.22	6,600.00	6,571.15	296.49	27.23	-74.64	-1,924.08	-5,224.14	4,251.22	4,095.95	155.27	27.380		
17,300.00	7,082.45	6,600.00	6,571.15	299.33	27.23	-74.64	-1,924.08	-5,224.14	4,341.59	4,187.64	153.95	28.202		
17,400.00	7,082.68	6,600.00	6,571.15	302.17	27.23	-74.64	-1,924.08	-5,224.14	4,432.37	4,279.70	152.68	29.031		
17,500.00	7,082.91	6,600.00	6,571.15	305.01	27.23	-74.64	-1,924.08	-5,224.14	4,523.55	4,372.10	151.45	29.869		
17,600.00	7,083.14	6,600.00	6,571.15	307.85	27.23	-74.64	-1,924.08	-5,224.14	4,615.08	4,464.82	150.26	30.714		
17,700.00	7,083.37	6,600.00	6,571.15	310.69	27.23	-74.64	-1,924.08	-5,224.14	4,706.97	4,557.85	149.12	31.566		
17,800.00	7,083.60	6,600.00	6,571.15	313.53	27.23	-74.64	-1,924.08	-5,224.14	4,799.18	4,651.16	148.01	32.425		
17,900.00	7,083.84	6,600.00	6,571.15	316.37	27.23	-74.64	-1,924.08	-5,224.14	4,891.69	4,744.75	146.94	33.290		
18,000.00	7,084.07	6,600.00	6,571.15	319.21	27.23	-74.64	-1,924.08	-5,224.14	4,984.49	4,838.58	145.91	34.161		
18,100.00	7,084.30	6,600.00	6,571.15	322.05	27.23	-74.64	-1,924.08	-5,224.14	5,077.57	4,932.66	144.91	35.039		
18,200.00	7,084.53	6,600.00	6,571.15	324.89	27.23	-74.64	-1,924.08	-5,224.14	5,170.90	5,026.95	143.95	35.922		
18,300.00	7,084.76	6,600.00	6,571.15	327.73	27.23	-74.64	-1,924.08	-5,224.14	5,264.48	5,121.47	143.02	36.810		
18,400.00	7,084.99	6,600.00	6,571.15	330.57	27.23	-74.64	-1,924.08	-5,224.14	5,358.29	5,216.18	142.12	37.704		
18,500.00	7,085.22	6,600.00	6,571.15	333.41	27.23	-74.64	-1,924.08	-5,224.14	5,452.32	5,311.08	141.24	38.602		
18,600.00	7,085.45	6,600.00	6,571.15	336.26	27.23	-74.64	-1,924.08	-5,224.14	5,546.57	5,406.16	140.40	39.505		
18,700.00	7,085.68	6,600.00	6,571.15	339.10	27.23	-74.64	-1,924.08	-5,224.14	5,641.00	5,501.42	139.59	40.413		
18,800.00	7,085.91	6,600.00	6,571.15	341.94	27.23	-74.64	-1,924.08	-5,224.14	5,735.63	5,596.84	138.80	41.324		
18,839.14	7,086.00	6,600.00	6,571.15	343.06	27.23	-74.64	-1,924.08	-5,224.14	5,772.72	5,634.23	138.49	41.682		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.05	-2,167.71	-5,632.80	6,035.51					
100.00	100.00	85.00	85.00	3.28	3.29	-111.05	-2,167.71	-5,632.80	6,035.51	6,028.94	6.57	918.647		
200.00	200.00	185.00	185.00	3.34	3.31	-111.05	-2,167.71	-5,632.80	6,035.51	6,028.87	6.64	908.680		
300.00	300.00	285.00	285.00	3.44	3.34	-111.05	-2,167.71	-5,632.80	6,035.51	6,028.73	6.78	889.669		
400.00	399.98	384.98	384.98	3.60	3.39	153.44	-2,167.71	-5,632.80	6,037.07	6,030.09	6.99	864.102		
500.00	499.84	484.84	484.84	3.80	3.45	153.42	-2,167.71	-5,632.80	6,041.76	6,034.51	7.25	833.835		
600.00	599.45	584.45	584.45	4.04	3.52	153.38	-2,167.71	-5,632.80	6,049.56	6,042.00	7.56	800.342		
700.00	698.70	683.70	683.70	4.31	3.61	153.34	-2,167.71	-5,632.80	6,060.46	6,052.55	7.92	765.314		
800.00	797.47	782.47	782.47	4.62	3.70	153.28	-2,167.71	-5,632.80	6,074.48	6,066.15	8.32	730.043		
900.00	895.62	880.62	880.62	4.97	3.81	153.20	-2,167.71	-5,632.80	6,091.57	6,082.82	8.76	695.439		
980.89	974.49	959.49	959.49	5.27	3.90	153.13	-2,167.71	-5,632.80	6,107.66	6,098.52	9.14	668.293		
1,000.00	993.07	978.07	978.07	5.34	3.92	153.15	-2,167.71	-5,632.80	6,111.69	6,102.46	9.23	661.893		
1,100.00	1,090.26	1,075.26	1,075.26	5.75	4.04	153.24	-2,167.71	-5,632.80	6,132.83	6,123.10	9.72	630.680		
1,200.00	1,187.45	1,172.45	1,172.45	6.17	4.17	153.34	-2,167.71	-5,632.80	6,153.98	6,143.74	10.24	601.036		
1,300.00	1,284.64	1,269.64	1,269.64	6.62	4.30	153.44	-2,167.71	-5,632.80	6,175.15	6,164.37	10.77	573.136		
1,400.00	1,381.83	1,366.83	1,366.83	7.07	4.44	153.54	-2,167.71	-5,632.80	6,196.33	6,185.01	11.33	547.031		
1,500.00	1,479.01	1,464.01	1,464.01	7.54	4.59	153.63	-2,167.71	-5,632.80	6,217.54	6,205.64	11.90	522.699		
1,600.00	1,576.20	1,561.20	1,561.20	8.02	4.74	153.73	-2,167.71	-5,632.80	6,238.76	6,226.28	12.48	500.069		
1,700.00	1,673.39	1,658.39	1,658.39	8.50	4.90	153.82	-2,167.71	-5,632.80	6,259.99	6,246.92	13.07	479.044		
1,800.00	1,770.58	1,755.58	1,755.58	8.99	5.06	153.92	-2,167.71	-5,632.80	6,281.24	6,267.58	13.67	459.516		
1,900.00	1,867.77	1,852.77	1,852.77	9.48	5.22	154.01	-2,167.71	-5,632.80	6,302.51	6,288.23	14.28	441.374		
2,000.00	1,964.96	1,949.96	1,949.96	9.98	5.39	154.10	-2,167.71	-5,632.80	6,323.80	6,308.90	14.90	424.507		
2,100.00	2,062.15	2,047.15	2,047.15	10.49	5.74	154.23	-2,166.80	-5,632.97	6,345.00	6,329.30	15.70	404.104		
2,200.00	2,159.34	2,221.61	2,221.39	10.99	6.29	154.44	-2,159.28	-5,634.37	6,365.54	6,348.82	16.71	380.843		
2,300.00	2,256.53	2,337.48	2,336.76	11.50	6.73	154.64	-2,148.78	-5,636.31	6,385.49	6,367.87	17.62	362.408		
2,400.00	2,353.71	2,433.58	2,432.41	12.01	7.10	154.81	-2,139.61	-5,638.01	6,405.43	6,386.97	18.46	347.008		
2,500.00	2,450.90	2,529.68	2,528.06	12.53	7.49	154.98	-2,130.44	-5,639.72	6,425.44	6,406.13	19.31	332.767		
2,600.00	2,548.09	2,625.78	2,623.70	13.04	7.89	155.15	-2,121.28	-5,641.42	6,445.50	6,425.33	20.17	319.585		
2,700.00	2,645.28	2,721.88	2,719.35	13.56	8.29	155.32	-2,112.11	-5,643.12	6,465.61	6,444.58	21.04	307.368		
2,800.00	2,742.47	2,817.98	2,815.00	14.08	8.70	155.49	-2,102.94	-5,644.82	6,485.78	6,463.87	21.91	296.030		
2,900.00	2,839.66	2,914.08	2,910.64	14.60	9.11	155.66	-2,093.77	-5,646.52	6,506.01	6,483.22	22.79	285.490		
3,000.00	2,936.85	3,010.18	3,006.29	15.12	9.52	155.82	-2,084.60	-5,648.22	6,526.29	6,502.62	23.67	275.677		
3,100.00	3,034.04	3,106.28	3,101.93	15.65	9.94	155.99	-2,075.44	-5,649.92	6,546.63	6,522.06	24.56	266.525		
3,200.00	3,131.22	3,202.38	3,197.58	16.17	10.37	156.15	-2,066.27	-5,651.62	6,567.02	6,541.56	25.46	257.975		
3,300.00	3,228.41	3,301.52	3,293.23	16.69	10.81	156.31	-2,057.10	-5,653.32	6,587.46	6,561.09	26.37	249.845		
3,400.00	3,325.60	3,405.42	3,388.87	17.22	11.27	156.48	-2,047.93	-5,655.02	6,607.95	6,580.65	27.30	242.042		
3,500.00	3,422.79	3,490.68	3,484.52	17.75	11.65	156.64	-2,038.76	-5,656.72	6,628.50	6,600.34	28.15	235.432		
3,600.00	3,519.98	3,586.78	3,580.17	18.27	12.09	156.80	-2,029.60	-5,658.42	6,649.10	6,620.04	29.06	228.811		
3,700.00	3,617.17	3,682.88	3,675.81	18.80	12.52	156.95	-2,020.43	-5,660.12	6,669.75	6,639.78	29.97	222.575		
3,800.00	3,714.36	3,778.98	3,771.46	19.33	12.96	157.11	-2,011.26	-5,661.82	6,690.45	6,659.57	30.88	216.694		
3,900.00	3,811.55	3,875.08	3,867.11	19.86	13.40	157.27	-2,002.09	-5,663.52	6,711.19	6,679.41	31.79	211.140		
4,000.00	3,908.74	3,971.18	3,962.75	20.39	13.84	157.43	-1,992.92	-5,665.22	6,731.99	6,699.30	32.70	205.887		
4,100.00	4,005.92	4,067.28	4,058.40	20.92	14.28	157.58	-1,983.76	-5,666.92	6,752.84	6,719.23	33.61	200.912		
4,200.00	4,103.11	4,163.38	4,154.05	21.45	14.72	157.74	-1,974.59	-5,668.62	6,773.74	6,739.21	34.53	196.195		
4,300.00	4,200.30	4,259.48	4,249.69	21.98	15.16	157.89	-1,965.42	-5,670.32	6,794.69	6,759.24	35.44	191.717		
4,400.00	4,297.49	4,355.58	4,345.34	22.51	15.61	158.04	-1,956.25	-5,672.02	6,815.68	6,779.32	36.36	187.460		
4,500.00	4,394.68	4,451.68	4,440.99	23.04	16.05	158.19	-1,947.09	-5,673.72	6,836.72	6,799.44	37.28	183.409		
4,600.00	4,491.87	4,547.78	4,536.63	23.57	16.50	158.34	-1,937.92	-5,675.43	6,857.81	6,819.61	38.19	179.551		
4,700.00	4,589.06	4,643.88	4,632.28	24.10	16.94	158.49	-1,928.75	-5,677.13	6,878.94	6,839.83	39.11	175.871		
4,800.00	4,686.25	4,739.98	4,727.93	24.64	17.39	158.64	-1,919.58	-5,678.83	6,900.12	6,860.09	40.03	172.359		
4,900.00	4,783.43	4,836.08	4,823.57	25.17	17.84	158.79	-1,910.41	-5,680.53	6,921.35	6,880.39	40.95	169.003		
5,000.00	4,880.62	4,932.18	4,919.22	25.70	18.29	158.94	-1,901.25	-5,682.23	6,942.62	6,900.74	41.88	165.794		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,977.81	5,013.55	5,000.30	26.23	18.66	159.05	-1,894.54	-5,683.47	6,964.03	6,921.32	42.71	163.046		
5,200.00	5,075.00	5,095.09	5,081.71	26.77	19.02	159.15	-1,890.09	-5,684.30	6,985.69	6,942.15	43.54	160.447		
5,300.00	5,172.19	5,177.14	5,163.73	27.30	19.37	159.22	-1,887.91	-5,684.70	7,007.58	6,963.23	44.35	157.994		
5,400.00	5,269.38	5,267.79	5,254.38	27.83	19.75	159.29	-1,887.69	-5,684.74	7,029.65	6,984.45	45.20	155.511		
5,457.75	5,325.51	5,323.92	5,310.51	28.14	19.98	159.33	-1,887.69	-5,684.74	7,042.42	6,996.71	45.71	154.059		
5,500.00	5,366.64	5,365.05	5,351.64	28.37	20.15	159.42	-1,887.69	-5,684.74	7,051.47	7,005.39	46.08	153.015		
5,600.00	5,464.53	5,462.94	5,449.53	28.87	20.56	159.61	-1,887.69	-5,684.74	7,070.64	7,023.68	46.96	150.578		
5,700.00	5,563.07	5,561.49	5,548.07	29.35	20.97	159.77	-1,887.69	-5,684.74	7,086.58	7,038.76	47.82	148.189		
5,800.00	5,662.15	5,660.56	5,647.15	29.80	21.38	159.90	-1,887.69	-5,684.74	7,099.29	7,050.61	48.68	145.846		
5,900.00	5,761.64	5,760.05	5,746.64	30.23	21.80	159.99	-1,887.69	-5,684.74	7,108.74	7,059.22	49.52	143.549		
6,000.00	5,861.42	5,859.83	5,846.42	30.64	22.21	160.05	-1,887.69	-5,684.74	7,114.93	7,064.58	50.35	141.296		
6,100.00	5,961.36	5,959.77	5,946.36	31.02	22.63	160.08	-1,887.69	-5,684.74	7,117.84	7,066.66	51.18	139.085		
6,138.64	6,000.00	5,998.41	5,985.00	31.16	22.79	-104.41	-1,887.69	-5,684.74	7,118.08	7,066.60	51.49	138.253		
6,200.00	6,061.36	6,059.77	6,046.36	31.38	23.05	-104.41	-1,887.69	-5,684.74	7,118.08	7,066.11	51.97	136.966		
6,300.00	6,161.36	6,159.77	6,146.36	31.74	23.46	-104.41	-1,887.69	-5,684.74	7,118.08	7,065.32	52.76	134.914		
6,400.00	6,261.36	6,259.77	6,246.36	32.10	23.88	-104.41	-1,887.69	-5,684.74	7,118.08	7,064.53	53.55	132.918		
6,500.00	6,361.36	6,359.77	6,346.36	32.46	24.30	-104.41	-1,887.69	-5,684.74	7,118.08	7,063.74	54.35	130.976		
6,562.02	6,423.38	6,421.79	6,408.38	32.68	24.56	-104.41	-1,887.69	-5,684.74	7,118.08	7,063.24	54.84	129.798		
6,600.00	6,461.34	6,459.75	6,446.34	32.82	24.72	-14.13	-1,887.69	-5,684.74	7,116.98	7,061.85	55.13	129.084		
6,650.00	6,511.08	6,509.49	6,496.08	32.99	24.93	-14.25	-1,887.69	-5,684.74	7,112.20	7,056.69	55.50	128.136		
6,700.00	6,560.29	6,558.70	6,545.29	33.17	25.13	-14.46	-1,887.69	-5,684.74	7,103.64	7,047.78	55.86	127.167		
6,750.00	6,608.64	6,607.05	6,593.64	33.36	25.34	-14.77	-1,887.69	-5,684.74	7,091.36	7,035.16	56.20	126.182		
6,800.00	6,655.86	6,650.37	6,636.93	33.56	25.08	-15.12	-1,889.00	-5,684.74	7,076.54	7,020.56	55.98	126.402		
6,850.00	6,701.64	6,694.11	6,680.64	33.78	25.13	-15.63	-1,889.93	-5,684.74	7,057.87	7,001.75	56.12	125.767		
6,900.00	6,745.71	6,740.00	6,726.35	34.01	25.27	-16.31	-1,893.51	-5,684.74	7,036.08	6,979.73	56.35	124.874		
6,950.00	6,787.79	6,780.00	6,766.35	34.27	25.27	-17.06	-1,893.51	-5,684.74	7,010.94	6,954.54	56.39	124.325		
7,000.00	6,827.62	6,820.00	6,806.35	34.56	25.27	-17.98	-1,893.51	-5,684.74	6,982.87	6,926.45	56.43	123.749		
7,050.00	6,864.96	6,860.00	6,846.35	34.87	25.27	-19.10	-1,893.51	-5,684.74	6,952.03	6,895.57	56.46	123.143		
7,100.00	6,899.58	6,890.00	6,876.35	35.21	25.27	-20.47	-1,893.51	-5,684.74	6,918.56	6,862.08	56.48	122.505		
7,150.00	6,931.26	6,920.00	6,906.35	35.60	25.37	-22.34	-1,898.18	-5,684.74	6,882.37	6,825.74	56.63	121.530		
7,200.00	6,959.81	6,940.00	6,926.60	36.02	25.40	-24.53	-1,899.60	-5,684.74	6,844.01	6,787.33	56.68	120.743		
7,250.00	6,985.06	6,970.00	6,956.35	36.47	25.42	-27.29	-1,900.94	-5,684.74	6,803.57	6,746.84	56.73	119.928		
7,300.00	7,006.84	6,990.00	6,976.35	36.97	25.44	-30.83	-1,902.14	-5,684.74	6,761.26	6,704.49	56.78	119.086		
7,350.00	7,025.02	6,999.00	6,984.35	37.51	25.46	-35.42	-1,903.18	-5,684.74	6,717.33	6,660.51	56.82	118.216		
7,400.00	7,039.49	6,999.00	6,984.35	38.09	25.47	-41.48	-1,904.04	-5,684.74	6,672.03	6,615.16	56.87	117.318		
7,450.00	7,050.17	6,999.00	6,984.35	38.70	25.48	-49.55	-1,904.68	-5,684.74	6,625.61	6,568.69	56.92	116.394		
7,500.00	7,056.98	6,999.00	6,984.35	39.33	25.58	-61.10	-1,912.29	-5,684.74	6,578.60	6,521.47	57.12	115.162		
7,550.00	7,059.89	6,999.00	6,984.35	39.99	25.58	-74.78	-1,912.29	-5,684.74	6,530.76	6,473.57	57.19	114.199		
7,560.55	7,060.00	6,999.00	6,984.35	40.13	25.58	-77.97	-1,912.29	-5,684.74	6,520.63	6,463.42	57.20	113.990		
7,600.00	7,060.09	6,999.00	6,984.35	40.67	25.58	-77.97	-1,912.29	-5,684.74	6,482.72	6,425.45	57.26	113.212		
7,700.00	7,060.32	6,999.00	6,984.35	42.14	25.58	-77.97	-1,912.29	-5,684.74	6,386.70	6,329.27	57.43	111.210		
7,800.00	7,060.55	6,999.00	6,984.35	43.75	25.58	-77.97	-1,912.29	-5,684.74	6,290.82	6,233.19	57.63	109.164		
7,900.00	7,060.78	6,999.00	6,984.35	45.48	25.58	-77.97	-1,912.29	-5,684.74	6,195.06	6,137.20	57.86	107.076		
8,000.00	7,061.01	6,999.00	6,984.35	47.33	25.58	-77.97	-1,912.29	-5,684.74	6,099.44	6,041.32	58.12	104.945		
8,100.00	7,061.24	6,999.00	6,984.35	49.27	25.58	-77.97	-1,912.29	-5,684.74	6,003.96	5,945.54	58.42	102.773		
8,200.00	7,061.47	6,999.00	6,984.35	51.29	25.58	-77.97	-1,912.29	-5,684.74	5,908.63	5,849.87	58.76	100.559		
8,300.00	7,061.70	6,999.00	6,984.35	53.40	25.58	-77.97	-1,912.29	-5,684.74	5,813.46	5,754.32	59.14	98.306		
8,400.00	7,061.93	6,999.00	6,984.35	55.57	25.58	-77.97	-1,912.29	-5,684.74	5,718.45	5,658.89	59.56	96.016		
8,500.00	7,062.16	6,999.00	6,984.35	57.80	25.58	-77.97	-1,912.29	-5,684.74	5,623.61	5,563.59	60.02	93.691		
8,600.00	7,062.39	6,999.00	6,984.35	60.08	25.58	-77.97	-1,912.29	-5,684.74	5,528.96	5,468.42	60.54	91.332		
8,700.00	7,062.63	6,999.00	6,984.35	62.42	25.58	-77.97	-1,912.29	-5,684.74	5,434.50	5,373.40	61.10	88.943		
8,800.00	7,062.86	6,999.00	6,984.35	64.79	25.58	-77.97	-1,912.29	-5,684.74	5,340.24	5,278.52	61.72	86.528		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,063.09	6,700.00	6,684.50	67.20	25.58	-77.97	-1,912.29	-5,684.74	5,246.19	5,183.80	62.39	84.089		
9,000.00	7,063.32	6,700.00	6,684.50	69.65	25.58	-77.97	-1,912.29	-5,684.74	5,152.37	5,089.25	63.12	81.631		
9,100.00	7,063.55	6,700.00	6,684.50	72.12	25.58	-77.97	-1,912.29	-5,684.74	5,058.79	4,994.88	63.91	79.157		
9,200.00	7,063.78	6,700.00	6,684.50	74.63	25.58	-77.97	-1,912.29	-5,684.74	4,965.45	4,900.69	64.76	76.673		
9,300.00	7,064.01	6,700.00	6,684.50	77.16	25.58	-77.97	-1,912.29	-5,684.74	4,872.38	4,806.70	65.68	74.182		
9,400.00	7,064.24	6,700.00	6,684.50	79.71	25.58	-77.97	-1,912.29	-5,684.74	4,779.59	4,712.91	66.67	71.689		
9,500.00	7,064.47	6,700.00	6,684.50	82.28	25.58	-77.97	-1,912.29	-5,684.74	4,687.09	4,619.36	67.73	69.199		
9,600.00	7,064.70	6,700.00	6,684.50	84.87	25.58	-77.97	-1,912.29	-5,684.74	4,594.91	4,526.04	68.87	66.717		
9,700.00	7,064.93	6,700.00	6,684.50	87.47	25.58	-77.97	-1,912.29	-5,684.74	4,503.06	4,432.97	70.09	64.247		
9,800.00	7,065.16	6,700.00	6,684.50	90.09	25.58	-77.97	-1,912.29	-5,684.74	4,411.57	4,340.18	71.39	61.795		
9,900.00	7,065.39	6,700.00	6,684.50	92.73	25.58	-77.97	-1,912.29	-5,684.74	4,320.46	4,247.68	72.78	59.366		
10,000.00	7,065.62	6,700.00	6,684.50	95.38	25.58	-77.97	-1,912.29	-5,684.74	4,229.74	4,155.49	74.26	56.962		
10,100.00	7,065.85	6,700.00	6,684.50	98.04	25.58	-77.97	-1,912.29	-5,684.74	4,139.46	4,063.63	75.83	54.590		
10,200.00	7,066.08	6,700.00	6,684.50	100.71	25.58	-77.97	-1,912.29	-5,684.74	4,049.63	3,972.13	77.50	52.254		
10,300.00	7,066.31	6,700.00	6,684.50	103.39	25.58	-77.97	-1,912.29	-5,684.74	3,960.29	3,881.01	79.27	49.957		
10,400.00	7,066.54	6,700.00	6,684.50	106.08	25.58	-77.97	-1,912.29	-5,684.74	3,871.46	3,790.31	81.16	47.703		
10,500.00	7,066.77	6,700.00	6,684.50	108.78	25.58	-77.97	-1,912.29	-5,684.74	3,783.20	3,700.05	83.15	45.496		
10,600.00	7,067.01	6,700.00	6,684.50	111.48	25.58	-77.97	-1,912.29	-5,684.74	3,695.54	3,610.27	85.27	43.339		
10,700.00	7,067.24	6,700.00	6,684.50	114.20	25.58	-77.97	-1,912.29	-5,684.74	3,608.51	3,521.00	87.51	41.235		
10,800.00	7,067.47	6,700.00	6,684.50	116.92	25.58	-77.97	-1,912.29	-5,684.74	3,522.18	3,432.30	89.88	39.187		
10,900.00	7,067.70	6,700.00	6,684.50	119.65	25.58	-77.97	-1,912.29	-5,684.74	3,436.59	3,344.20	92.39	37.198		
11,000.00	7,067.93	6,700.00	6,684.50	122.38	25.58	-77.97	-1,912.29	-5,684.74	3,351.79	3,256.76	95.04	35.269		
11,100.00	7,068.16	6,700.00	6,684.50	125.12	25.58	-77.97	-1,912.29	-5,684.74	3,267.86	3,170.03	97.83	33.402		
11,200.00	7,068.39	6,700.00	6,684.50	127.86	25.58	-77.97	-1,912.29	-5,684.74	3,184.85	3,084.07	100.79	31.600		
11,300.00	7,068.62	6,700.00	6,684.50	130.61	25.58	-77.97	-1,912.29	-5,684.74	3,102.85	2,998.95	103.90	29.864		
11,400.00	7,068.85	6,700.00	6,684.50	133.37	25.58	-77.97	-1,912.29	-5,684.74	3,021.93	2,914.74	107.18	28.194		
11,500.00	7,069.08	6,700.00	6,684.50	136.12	25.58	-77.97	-1,912.29	-5,684.74	2,942.18	2,831.54	110.64	26.592		
11,600.00	7,069.31	6,700.00	6,684.50	138.89	25.58	-77.97	-1,912.29	-5,684.74	2,863.70	2,749.42	114.28	25.058		
11,700.00	7,069.54	6,700.00	6,684.50	141.65	25.58	-77.97	-1,912.29	-5,684.74	2,786.61	2,668.50	118.11	23.594		
11,800.00	7,069.77	6,700.00	6,684.50	144.42	25.58	-77.97	-1,912.29	-5,684.74	2,711.01	2,588.88	122.13	22.199		
11,900.00	7,070.00	6,700.00	6,684.50	147.19	25.58	-77.97	-1,912.29	-5,684.74	2,637.03	2,510.69	126.34	20.873		
12,000.00	7,070.23	6,700.00	6,684.50	149.97	25.58	-77.97	-1,912.29	-5,684.74	2,564.82	2,434.08	130.75	19.617		
12,100.00	7,070.46	6,700.00	6,684.50	152.75	25.58	-77.97	-1,912.29	-5,684.74	2,494.53	2,359.18	135.35	18.430		
12,200.00	7,070.69	6,700.00	6,684.50	155.53	25.58	-77.97	-1,912.29	-5,684.74	2,426.33	2,286.18	140.15	17.312		
12,300.00	7,070.92	6,700.00	6,684.50	158.32	25.58	-77.97	-1,912.29	-5,684.74	2,360.39	2,215.26	145.14	16.263		
12,400.00	7,071.16	6,700.00	6,684.50	161.10	25.58	-77.97	-1,912.29	-5,684.74	2,296.92	2,146.62	150.30	15.282		
12,500.00	7,071.39	6,700.00	6,684.50	163.89	25.58	-77.97	-1,912.29	-5,684.74	2,236.11	2,080.49	155.62	14.369		
12,600.00	7,071.62	6,700.00	6,684.50	166.69	25.58	-77.97	-1,912.29	-5,684.74	2,178.21	2,017.12	161.09	13.522		
12,700.00	7,071.85	6,700.00	6,684.50	169.48	25.58	-77.97	-1,912.29	-5,684.74	2,123.43	1,956.76	166.67	12.740		
12,800.00	7,072.08	6,700.00	6,684.50	172.28	25.58	-77.97	-1,912.29	-5,684.74	2,072.04	1,899.71	172.33	12.024		
12,900.00	7,072.31	6,700.00	6,684.50	175.08	25.58	-77.97	-1,912.29	-5,684.74	2,024.28	1,846.26	178.02	11.371		
13,000.00	7,072.54	6,700.00	6,684.50	177.88	25.58	-77.97	-1,912.29	-5,684.74	1,980.43	1,796.73	183.71	10.780		
13,100.00	7,072.77	6,700.00	6,684.50	180.68	25.58	-77.97	-1,912.29	-5,684.74	1,940.74	1,751.43	189.32	10.251		
13,200.00	7,073.00	6,700.00	6,684.50	183.48	25.58	-77.97	-1,912.29	-5,684.74	1,905.48	1,710.69	194.79	9.782		
13,300.00	7,073.23	6,700.00	6,684.50	186.29	25.58	-77.97	-1,912.29	-5,684.74	1,874.90	1,674.84	200.05	9.372		
13,400.00	7,073.46	6,700.00	6,684.50	189.09	25.58	-77.97	-1,912.29	-5,684.74	1,849.22	1,644.18	205.04	9.019		
13,500.00	7,073.69	6,700.00	6,684.50	191.90	25.58	-77.97	-1,912.29	-5,684.74	1,828.66	1,618.99	209.67	8.721		
13,600.00	7,073.92	6,700.00	6,684.50	194.71	25.58	-77.97	-1,912.29	-5,684.74	1,813.39	1,599.50	213.89	8.478		
13,700.00	7,074.15	6,700.00	6,684.50	197.52	25.58	-77.97	-1,912.29	-5,684.74	1,803.54	1,585.93	217.61	8.288		
13,800.00	7,074.38	6,700.00	6,684.50	200.34	25.58	-77.97	-1,912.29	-5,684.74	1,799.21	1,578.41	220.80	8.149		
13,828.10	7,074.45	6,700.00	6,684.50	201.13	25.58	-77.97	-1,912.29	-5,684.74	1,798.99	1,577.39	221.60	8.118 CC		
13,900.00	7,074.61	6,700.00	6,684.50	203.15	25.58	-77.97	-1,912.29	-5,684.74	1,800.42	1,577.01	223.42	8.059 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,074.84	6,700.00	6,684.50	205.97	25.58	-77.97	-1,912.29	-5,684.74	1,807.18	1,581.75	225.44	8.016 SF		
14,100.00	7,075.07	6,700.00	6,684.50	208.78	25.58	-77.97	-1,912.29	-5,684.74	1,819.42	1,592.57	226.85	8.020		
14,200.00	7,075.30	6,700.00	6,684.50	211.60	25.58	-77.97	-1,912.29	-5,684.74	1,837.03	1,609.35	227.68	8.069		
14,300.00	7,075.54	6,700.00	6,684.50	214.42	25.58	-77.97	-1,912.29	-5,684.74	1,859.85	1,631.91	227.94	8.159		
14,400.00	7,075.77	6,700.00	6,684.50	217.24	25.58	-77.97	-1,912.29	-5,684.74	1,887.70	1,660.03	227.67	8.291		
14,500.00	7,076.00	6,700.00	6,684.50	220.06	25.58	-77.97	-1,912.29	-5,684.74	1,920.36	1,693.44	226.92	8.463		
14,600.00	7,076.23	6,700.00	6,684.50	222.88	25.58	-77.97	-1,912.29	-5,684.74	1,957.60	1,731.85	225.75	8.672		
14,700.00	7,076.46	6,700.00	6,684.50	225.70	25.58	-77.97	-1,912.29	-5,684.74	1,999.14	1,774.94	224.20	8.917		
14,800.00	7,076.69	6,700.00	6,684.50	228.53	25.58	-77.97	-1,912.29	-5,684.74	2,044.73	1,822.39	222.34	9.196		
14,900.00	7,076.92	6,700.00	6,684.50	231.35	25.58	-77.97	-1,912.29	-5,684.74	2,094.12	1,873.89	220.23	9.509		
15,000.00	7,077.15	6,700.00	6,684.50	234.18	25.58	-77.97	-1,912.29	-5,684.74	2,147.02	1,929.11	217.91	9.853		
15,100.00	7,077.38	6,700.00	6,684.50	237.00	25.58	-77.97	-1,912.29	-5,684.74	2,203.20	1,987.77	215.43	10.227		
15,200.00	7,077.61	6,700.00	6,684.50	239.83	25.58	-77.97	-1,912.29	-5,684.74	2,262.40	2,049.57	212.83	10.630		
15,300.00	7,077.84	6,700.00	6,684.50	242.66	25.58	-77.97	-1,912.29	-5,684.74	2,324.40	2,114.25	210.15	11.061		
15,400.00	7,078.07	6,700.00	6,684.50	245.49	25.58	-77.97	-1,912.29	-5,684.74	2,388.98	2,181.55	207.43	11.517		
15,500.00	7,078.30	6,700.00	6,684.50	248.31	25.58	-77.97	-1,912.29	-5,684.74	2,455.93	2,251.25	204.68	11.999		
15,600.00	7,078.53	6,700.00	6,684.50	251.14	25.58	-77.97	-1,912.29	-5,684.74	2,525.07	2,323.13	201.94	12.504		
15,700.00	7,078.76	6,700.00	6,684.50	253.97	25.58	-77.97	-1,912.29	-5,684.74	2,596.22	2,397.00	199.22	13.032		
15,800.00	7,078.99	6,700.00	6,684.50	256.80	25.58	-77.97	-1,912.29	-5,684.74	2,669.22	2,472.69	196.53	13.582		
15,900.00	7,079.22	6,700.00	6,684.50	259.64	25.58	-77.97	-1,912.29	-5,684.74	2,743.92	2,550.04	193.89	14.152		
16,000.00	7,079.45	6,700.00	6,684.50	262.47	25.58	-77.97	-1,912.29	-5,684.74	2,820.19	2,628.89	191.30	14.742		
16,100.00	7,079.69	6,700.00	6,684.50	265.30	25.58	-77.97	-1,912.29	-5,684.74	2,897.91	2,709.13	188.77	15.351		
16,200.00	7,079.92	6,700.00	6,684.50	268.13	25.58	-77.97	-1,912.29	-5,684.74	2,976.95	2,790.64	186.32	15.978		
16,300.00	7,080.15	6,700.00	6,684.50	270.97	25.58	-77.97	-1,912.29	-5,684.74	3,057.23	2,873.30	183.93	16.622		
16,400.00	7,080.38	6,700.00	6,684.50	273.80	25.58	-77.97	-1,912.29	-5,684.74	3,138.63	2,957.02	181.61	17.282		
16,500.00	7,080.61	6,700.00	6,684.50	276.64	25.58	-77.97	-1,912.29	-5,684.74	3,221.09	3,041.72	179.37	17.958		
16,600.00	7,080.84	6,700.00	6,684.50	279.47	25.58	-77.97	-1,912.29	-5,684.74	3,304.51	3,127.31	177.20	18.649		
16,700.00	7,081.07	6,700.00	6,684.50	282.31	25.58	-77.97	-1,912.29	-5,684.74	3,388.83	3,213.73	175.10	19.354		
16,800.00	7,081.30	6,700.00	6,684.50	285.14	25.58	-77.97	-1,912.29	-5,684.74	3,473.98	3,300.90	173.07	20.072		
16,900.00	7,081.53	6,700.00	6,684.50	287.98	25.58	-77.97	-1,912.29	-5,684.74	3,559.90	3,388.78	171.12	20.804		
17,000.00	7,081.76	6,700.00	6,684.50	290.82	25.58	-77.97	-1,912.29	-5,684.74	3,646.54	3,477.31	169.23	21.547		
17,100.00	7,081.99	6,700.00	6,684.50	293.65	25.58	-77.97	-1,912.29	-5,684.74	3,733.85	3,566.44	167.42	22.303		
17,200.00	7,082.22	6,700.00	6,684.50	296.49	25.58	-77.97	-1,912.29	-5,684.74	3,821.79	3,656.12	165.66	23.070		
17,300.00	7,082.45	6,700.00	6,684.50	299.33	25.58	-77.97	-1,912.29	-5,684.74	3,910.30	3,746.33	163.97	23.847		
17,400.00	7,082.68	6,700.00	6,684.50	302.17	25.58	-77.97	-1,912.29	-5,684.74	3,999.35	3,837.01	162.34	24.635		
17,500.00	7,082.91	6,700.00	6,684.50	305.01	25.58	-77.97	-1,912.29	-5,684.74	4,088.91	3,928.14	160.77	25.433		
17,600.00	7,083.14	6,700.00	6,684.50	307.85	25.58	-77.97	-1,912.29	-5,684.74	4,178.94	4,019.69	159.26	26.240		
17,700.00	7,083.37	6,700.00	6,684.50	310.69	25.58	-77.97	-1,912.29	-5,684.74	4,269.42	4,111.62	157.80	27.057		
17,800.00	7,083.60	6,700.00	6,684.50	313.53	25.58	-77.97	-1,912.29	-5,684.74	4,360.31	4,203.92	156.39	27.881		
17,900.00	7,083.84	6,700.00	6,684.50	316.37	25.58	-77.97	-1,912.29	-5,684.74	4,451.60	4,296.57	155.03	28.714		
18,000.00	7,084.07	6,700.00	6,684.50	319.21	25.58	-77.97	-1,912.29	-5,684.74	4,543.25	4,389.52	153.72	29.555		
18,100.00	7,084.30	6,700.00	6,684.50	322.05	25.58	-77.97	-1,912.29	-5,684.74	4,635.24	4,482.78	152.46	30.403		
18,200.00	7,084.53	6,700.00	6,684.50	324.89	25.58	-77.97	-1,912.29	-5,684.74	4,727.56	4,576.32	151.24	31.259		
18,300.00	7,084.76	6,700.00	6,684.50	327.73	25.58	-77.97	-1,912.29	-5,684.74	4,820.19	4,670.13	150.06	32.121		
18,400.00	7,084.99	6,700.00	6,684.50	330.57	25.58	-77.97	-1,912.29	-5,684.74	4,913.11	4,764.18	148.93	32.990		
18,500.00	7,085.22	6,700.00	6,684.50	333.41	25.58	-77.97	-1,912.29	-5,684.74	5,006.29	4,858.46	147.83	33.865		
18,600.00	7,085.45	6,700.00	6,684.50	336.26	25.58	-77.97	-1,912.29	-5,684.74	5,099.74	4,952.97	146.77	34.746		
18,700.00	7,085.68	6,700.00	6,684.50	339.10	25.58	-77.97	-1,912.29	-5,684.74	5,193.43	5,047.68	145.75	35.633		
18,800.00	7,085.91	6,700.00	6,684.50	341.94	25.58	-77.97	-1,912.29	-5,684.74	5,287.35	5,142.59	144.76	36.525		
18,839.14	7,086.00	6,700.00	6,684.50	343.06	25.58	-77.97	-1,912.29	-5,684.74	5,324.18	5,179.79	144.38	36.875		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-11.29	1,388.74	-277.25	1,419.26					
100.00	100.00	6.00	6.00	3.28	3.28	-11.29	1,388.74	-277.25	1,416.14	1,409.58	6.57	215.666		
200.00	200.00	106.00	106.00	3.34	3.82	-11.29	1,388.74	-277.25	1,416.14	1,408.99	7.16	197.911		
300.00	300.00	206.00	206.00	3.44	6.36	-11.29	1,388.74	-277.25	1,416.14	1,406.34	9.80	144.470 CC		
400.00	399.98	305.98	305.98	3.60	9.52	-106.86	1,388.74	-277.25	1,416.65	1,403.53	13.12	107.989		
500.00	499.84	405.84	405.84	3.80	12.85	-107.03	1,388.74	-277.25	1,418.17	1,401.53	16.64	85.209		
600.00	599.45	505.45	505.45	4.04	16.23	-107.32	1,388.74	-277.25	1,420.76	1,400.49	20.27	70.100		
700.00	698.70	604.70	604.70	4.31	19.64	-107.71	1,388.74	-277.25	1,424.45	1,400.50	23.95	59.482		
800.00	797.47	703.47	703.47	4.62	23.05	-108.21	1,388.74	-277.25	1,429.33	1,401.67	27.66	51.671		
900.00	895.62	801.62	801.62	4.97	26.44	-108.80	1,388.74	-277.25	1,435.49	1,404.09	31.40	45.718		
980.89	974.49	880.49	880.49	5.27	29.18	-109.35	1,388.74	-277.25	1,441.48	1,407.05	34.43	41.866		
1,000.00	993.07	900.93	899.07	5.34	29.89	-109.51	1,388.74	-277.25	1,443.02	1,407.80	35.21	40.979		
1,100.00	1,090.26	1,003.74	996.26	5.75	33.46	-110.37	1,388.74	-277.25	1,451.25	1,412.07	39.18	37.042		
1,200.00	1,187.45	1,106.55	1,093.45	6.17	37.03	-111.21	1,388.74	-277.25	1,459.82	1,416.65	43.17	33.819		
1,300.00	1,284.64	1,209.36	1,190.64	6.62	40.61	-112.05	1,388.74	-277.25	1,468.71	1,421.54	47.17	31.136		
1,400.00	1,381.83	1,287.83	1,287.83	7.07	43.34	-112.87	1,388.74	-277.25	1,477.93	1,427.59	50.34	29.358		
1,500.00	1,479.01	1,385.01	1,385.01	7.54	46.72	-113.69	1,388.74	-277.25	1,487.46	1,433.29	54.17	27.457		
1,600.00	1,576.20	1,482.20	1,482.20	8.02	50.11	-114.50	1,388.74	-277.25	1,497.30	1,439.29	58.01	25.809		
1,700.00	1,673.39	1,579.39	1,579.39	8.50	53.49	-115.29	1,388.74	-277.25	1,507.45	1,445.59	61.86	24.368		
1,800.00	1,770.58	1,676.58	1,676.58	8.99	56.88	-116.08	1,388.74	-277.25	1,517.89	1,452.18	65.71	23.098		
1,900.00	1,867.77	1,773.77	1,773.77	9.48	60.27	-116.85	1,388.74	-277.25	1,528.62	1,459.05	69.57	21.972		
2,000.00	1,964.96	1,870.96	1,870.96	9.98	63.65	-117.62	1,388.74	-277.25	1,539.64	1,466.21	73.43	20.967		
2,100.00	2,062.15	1,968.15	1,968.15	10.49	67.04	-118.37	1,388.74	-277.25	1,550.94	1,473.65	77.30	20.065		
2,200.00	2,159.34	2,065.34	2,065.34	10.99	70.43	-119.11	1,388.74	-277.25	1,562.51	1,481.35	81.16	19.252		
2,300.00	2,256.53	2,162.53	2,162.53	11.50	73.82	-119.85	1,388.74	-277.25	1,574.35	1,489.32	85.03	18.516		
2,400.00	2,353.71	2,259.71	2,259.71	12.01	77.21	-120.57	1,388.74	-277.25	1,586.45	1,497.55	88.90	17.846		
2,500.00	2,450.90	2,356.90	2,356.90	12.53	80.60	-121.28	1,388.74	-277.25	1,598.81	1,506.04	92.77	17.235		
2,600.00	2,548.09	2,454.09	2,454.09	13.04	83.99	-121.98	1,388.74	-277.25	1,611.41	1,514.77	96.64	16.675		
2,700.00	2,645.28	2,551.28	2,551.28	13.56	87.38	-122.67	1,388.74	-277.25	1,624.26	1,523.75	100.51	16.161		
2,800.00	2,742.47	2,648.47	2,648.47	14.08	90.77	-123.35	1,388.74	-277.25	1,637.34	1,532.97	104.38	15.687		
2,900.00	2,839.66	2,745.66	2,745.66	14.60	94.16	-124.02	1,388.74	-277.25	1,650.66	1,542.41	108.25	15.249		
3,000.00	2,936.85	2,842.85	2,842.85	15.12	97.55	-124.68	1,388.74	-277.25	1,664.20	1,552.09	112.12	14.843		
3,100.00	3,034.04	2,940.04	2,940.04	15.65	100.94	-125.33	1,388.74	-277.25	1,677.97	1,561.98	115.99	14.467		
3,200.00	3,131.22	3,037.22	3,037.22	16.17	104.34	-125.97	1,388.74	-277.25	1,691.95	1,572.09	119.86	14.116		
3,300.00	3,228.41	3,134.41	3,134.41	16.69	107.73	-126.60	1,388.74	-277.25	1,706.14	1,582.41	123.73	13.789		
3,400.00	3,325.60	3,231.60	3,231.60	17.22	111.12	-127.22	1,388.74	-277.25	1,720.54	1,592.94	127.60	13.484		
3,500.00	3,422.79	3,328.79	3,328.79	17.75	114.51	-127.82	1,388.74	-277.25	1,735.13	1,603.66	131.47	13.198		
3,600.00	3,519.98	3,425.98	3,425.98	18.27	117.90	-128.42	1,388.74	-277.25	1,749.92	1,614.59	135.34	12.930		
3,700.00	3,617.17	3,523.17	3,523.17	18.80	121.29	-129.01	1,388.74	-277.25	1,764.91	1,625.70	139.21	12.678		
3,800.00	3,714.36	3,620.36	3,620.36	19.33	124.68	-129.59	1,388.74	-277.25	1,780.07	1,637.00	143.07	12.442		
3,900.00	3,811.55	3,717.55	3,717.55	19.86	128.08	-130.16	1,388.74	-277.25	1,795.42	1,648.48	146.94	12.219		
4,000.00	3,908.74	3,814.74	3,814.74	20.39	131.47	-130.72	1,388.74	-277.25	1,810.94	1,660.13	150.81	12.008		
4,100.00	4,005.92	3,911.92	3,911.92	20.92	134.86	-131.27	1,388.74	-277.25	1,826.64	1,671.96	154.68	11.809		
4,200.00	4,103.11	4,009.11	4,009.11	21.45	138.25	-131.81	1,388.74	-277.25	1,842.50	1,683.96	158.54	11.621		
4,300.00	4,200.30	4,106.30	4,106.30	21.98	141.64	-132.35	1,388.74	-277.25	1,858.53	1,696.12	162.41	11.443		
4,400.00	4,297.49	4,203.49	4,203.49	22.51	145.04	-132.87	1,388.74	-277.25	1,874.71	1,708.43	166.27	11.275		
4,500.00	4,394.68	4,300.68	4,300.68	23.04	148.43	-133.38	1,388.74	-277.25	1,891.05	1,720.91	170.14	11.115		
4,600.00	4,491.87	4,402.13	4,397.87	23.57	151.97	-133.89	1,388.74	-277.25	1,907.54	1,733.38	174.15	10.953		
4,700.00	4,589.06	4,504.94	4,495.06	24.10	155.56	-134.39	1,388.74	-277.25	1,924.17	1,745.96	178.21	10.797		
4,800.00	4,686.25	4,607.75	4,592.25	24.64	159.15	-134.88	1,388.74	-277.25	1,940.95	1,758.68	182.27	10.649		
4,900.00	4,783.43	4,689.43	4,689.43	25.17	162.00	-135.36	1,388.74	-277.25	1,957.87	1,772.27	186.60	10.549		
5,000.00	4,880.62	4,786.62	4,786.62	25.70	165.39	-135.83	1,388.74	-277.25	1,974.92	1,785.46	189.46	10.424		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,883.81	4,883.81	26.23	168.78	-136.30	1,388.74	-277.25	1,992.11	1,798.79	193.32	10.305		
5,200.00	5,075.00	4,981.00	4,981.00	26.77	172.17	-136.76	1,388.74	-277.25	2,009.42	1,812.24	197.18	10.191		
5,300.00	5,172.19	5,078.19	5,078.19	27.30	175.57	-137.21	1,388.74	-277.25	2,026.86	1,825.82	201.05	10.082		
5,400.00	5,269.38	5,175.38	5,175.38	27.83	178.96	-137.65	1,388.74	-277.25	2,044.43	1,839.52	204.91	9.977		
5,457.75	5,325.51	5,231.51	5,231.51	28.14	180.92	-137.90	1,388.74	-277.25	2,054.63	1,847.49	207.14	9.919		
5,500.00	5,366.64	5,272.64	5,272.64	28.37	182.35	-138.18	1,388.74	-277.25	2,061.88	1,853.11	208.77	9.876		
5,600.00	5,464.53	5,370.53	5,370.53	28.87	185.77	-138.76	1,388.74	-277.25	2,077.30	1,864.65	212.64	9.769		
5,700.00	5,563.07	5,469.07	5,469.07	29.35	189.21	-139.23	1,388.74	-277.25	2,090.19	1,873.66	216.52	9.653		
5,800.00	5,662.15	5,568.15	5,568.15	29.80	192.67	-139.60	1,388.74	-277.25	2,100.50	1,880.09	220.41	9.530		
5,900.00	5,761.64	5,667.64	5,667.64	30.23	196.14	-139.88	1,388.74	-277.25	2,108.19	1,883.89	224.30	9.399		
6,000.00	5,861.42	5,767.42	5,767.42	30.64	199.62	-140.06	1,388.74	-277.25	2,113.23	1,885.05	228.19	9.261		
6,100.00	5,961.36	5,867.36	5,867.36	31.02	203.11	-140.15	1,388.74	-277.25	2,115.61	1,883.54	232.07	9.116		
6,138.64	6,000.00	5,906.00	5,906.00	31.16	204.46	-44.64	1,388.74	-277.25	2,115.81	1,882.25	233.56	9.059		
6,200.00	6,061.36	5,967.36	5,967.36	31.38	206.60	-44.64	1,388.74	-277.25	2,115.81	1,879.88	235.93	8.968		
6,300.00	6,161.36	6,067.36	6,067.36	31.74	210.09	-44.64	1,388.74	-277.25	2,115.81	1,876.01	239.80	8.823		
6,400.00	6,261.36	6,167.36	6,167.36	32.10	213.58	-44.64	1,388.74	-277.25	2,115.81	1,872.15	243.66	8.683		
6,500.00	6,361.36	6,267.36	6,267.36	32.46	217.07	-44.64	1,388.74	-277.25	2,115.81	1,868.28	247.53	8.548		
6,562.02	6,423.38	6,329.38	6,329.38	32.68	219.24	-44.64	1,388.74	-277.25	2,115.81	1,865.88	249.93	8.466		
6,600.00	6,461.34	6,367.34	6,367.34	32.82	220.56	45.73	1,388.74	-277.25	2,115.02	1,863.62	251.39	8.413		
6,650.00	6,511.08	6,417.08	6,417.08	32.99	222.30	46.05	1,388.74	-277.25	2,111.57	1,858.27	253.30	8.336		
6,700.00	6,560.29	6,466.29	6,466.29	33.17	224.02	46.62	1,388.74	-277.25	2,105.42	1,850.23	255.20	8.250		
6,750.00	6,608.64	6,514.64	6,514.64	33.36	225.70	47.46	1,388.74	-277.25	2,096.64	1,839.58	257.06	8.156		
6,800.00	6,655.86	6,561.86	6,561.86	33.56	227.35	48.56	1,388.74	-277.25	2,085.31	1,826.43	258.88	8.055		
6,850.00	6,701.64	6,607.64	6,607.64	33.78	228.95	49.94	1,388.74	-277.25	2,071.56	1,810.90	260.66	7.947		
6,900.00	6,745.71	6,651.71	6,651.71	34.01	230.49	51.59	1,388.74	-277.25	2,055.51	1,793.13	262.39	7.834		
6,950.00	6,787.79	6,706.21	6,693.79	34.27	232.39	53.53	1,388.74	-277.25	2,037.35	1,772.86	264.49	7.703		
7,000.00	6,827.62	6,733.62	6,733.62	34.56	233.35	55.74	1,388.74	-277.25	2,017.25	1,751.59	265.66	7.593		
7,050.00	6,864.96	6,770.96	6,770.96	34.87	234.65	58.23	1,388.74	-277.25	1,995.43	1,728.23	267.20	7.468		
7,100.00	6,899.58	6,805.58	6,805.58	35.21	235.86	60.98	1,388.74	-277.25	1,972.11	1,703.43	268.68	7.340		
7,150.00	6,931.26	6,837.26	6,837.26	35.60	236.97	63.96	1,388.74	-277.25	1,947.54	1,677.45	270.09	7.211		
7,200.00	6,959.81	6,865.81	6,865.81	36.02	237.96	67.13	1,388.74	-277.25	1,921.98	1,650.55	271.43	7.081		
7,250.00	6,985.06	6,908.94	6,891.06	36.47	239.47	70.44	1,388.74	-277.25	1,895.68	1,622.36	273.32	6.936		
7,300.00	7,006.84	6,912.84	6,912.84	36.97	239.60	73.83	1,388.74	-277.25	1,868.92	1,595.02	273.90	6.823		
7,350.00	7,025.02	6,931.02	6,931.02	37.51	240.24	77.21	1,388.74	-277.25	1,841.98	1,566.95	275.03	6.697		
7,400.00	7,039.49	6,945.49	6,945.49	38.09	240.74	80.53	1,388.74	-277.25	1,815.12	1,539.03	276.09	6.574		
7,450.00	7,050.17	6,956.17	6,956.17	38.70	241.12	83.70	1,388.74	-277.25	1,788.61	1,511.54	277.07	6.455		
7,500.00	7,056.98	6,962.98	6,962.98	39.33	241.35	86.67	1,388.74	-277.25	1,762.71	1,484.73	277.98	6.341		
7,550.00	7,059.89	6,965.89	6,965.89	39.99	241.46	89.39	1,388.74	-277.25	1,737.64	1,458.85	278.79	6.233		
7,560.55	7,060.00	6,966.00	6,966.00	40.13	241.46	89.93	1,388.74	-277.25	1,732.48	1,453.53	278.95	6.211		
7,600.00	7,060.09	6,966.09	6,966.09	40.67	241.46	89.93	1,388.74	-277.25	1,713.61	1,434.05	279.56	6.130		
7,700.00	7,060.32	6,966.32	6,966.32	42.14	241.47	89.94	1,388.74	-277.25	1,669.02	1,387.75	281.27	5.934		
7,800.00	7,060.55	6,966.55	6,966.55	43.75	241.48	89.95	1,388.74	-277.25	1,629.35	1,346.16	283.19	5.754		
7,900.00	7,060.78	6,966.78	6,966.78	45.48	241.49	89.96	1,388.74	-277.25	1,594.97	1,309.67	285.30	5.590		
8,000.00	7,061.01	6,967.01	6,967.01	47.33	241.50	89.96	1,388.74	-277.25	1,566.23	1,278.67	287.56	5.447		
8,100.00	7,061.24	6,967.24	6,967.24	49.27	241.50	89.97	1,388.74	-277.25	1,543.45	1,253.53	289.92	5.324		
8,200.00	7,061.47	6,967.47	6,967.47	51.29	241.51	89.98	1,388.74	-277.25	1,526.89	1,234.56	292.33	5.223		
8,300.00	7,061.70	6,967.70	6,967.70	53.40	241.52	89.99	1,388.74	-277.25	1,516.75	1,222.02	294.73	5.146		
8,400.00	7,061.93	6,967.93	6,967.93	55.57	241.53	90.00	1,388.74	-277.25	1,513.17	1,216.10	297.08	5.094		
8,404.24	7,061.94	6,967.94	6,967.94	55.66	241.53	90.00	1,388.74	-277.25	1,513.17	1,215.99	297.17	5.092 ES		
8,500.00	7,062.16	6,968.16	6,968.16	57.80	241.54	90.01	1,388.74	-277.25	1,516.19	1,216.89	299.31	5.066		
8,600.00	7,062.39	6,968.39	6,968.39	60.08	241.54	90.02	1,388.74	-277.25	1,525.78	1,224.39	301.39	5.062 SF		
8,700.00	7,062.63	6,968.63	6,968.63	62.42	241.55	90.03	1,388.74	-277.25	1,541.80	1,238.51	303.29	5.084		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,062.86	6,968.86	6,968.86	64.79	241.56	90.03	1,388.74	-277.25	1,564.07	1,259.08	304.99	5.128		
8,900.00	7,063.09	6,969.09	6,969.09	67.20	241.57	90.04	1,388.74	-277.25	1,592.31	1,285.84	306.47	5.196		
9,000.00	7,063.32	6,969.32	6,969.32	69.65	241.58	90.05	1,388.74	-277.25	1,626.22	1,318.49	307.73	5.285		
9,100.00	7,063.55	6,969.55	6,969.55	72.12	241.58	90.06	1,388.74	-277.25	1,665.46	1,356.67	308.79	5.393		
9,200.00	7,063.78	6,969.78	6,969.78	74.63	241.59	90.07	1,388.74	-277.25	1,709.65	1,400.00	309.65	5.521		
9,300.00	7,064.01	6,970.01	6,970.01	77.16	241.60	90.08	1,388.74	-277.25	1,758.43	1,448.09	310.33	5.666		
9,400.00	7,064.24	6,970.24	6,970.24	79.71	241.61	90.09	1,388.74	-277.25	1,811.41	1,500.56	310.86	5.827		
9,500.00	7,064.47	6,970.47	6,970.47	82.28	241.62	90.10	1,388.74	-277.25	1,868.25	1,557.01	311.24	6.003		
9,600.00	7,064.70	6,970.70	6,970.70	84.87	241.62	90.10	1,388.74	-277.25	1,928.60	1,617.10	311.50	6.191		
9,700.00	7,064.93	6,970.93	6,970.93	87.47	241.63	90.11	1,388.74	-277.25	1,992.15	1,680.49	311.66	6.392		
9,800.00	7,065.16	6,971.16	6,971.16	90.09	241.64	90.12	1,388.74	-277.25	2,058.60	1,746.86	311.74	6.604		
9,900.00	7,065.39	6,971.39	6,971.39	92.73	241.65	90.13	1,388.74	-277.25	2,127.67	1,815.93	311.74	6.825		
10,000.00	7,065.62	6,971.62	6,971.62	95.38	241.66	90.14	1,388.74	-277.25	2,199.12	1,887.43	311.69	7.056		
10,100.00	7,065.85	6,971.85	6,971.85	98.04	241.66	90.15	1,388.74	-277.25	2,272.72	1,961.14	311.59	7.294		
10,200.00	7,066.08	6,972.08	6,972.08	100.71	241.67	90.16	1,388.74	-277.25	2,348.28	2,036.83	311.45	7.540		
10,300.00	7,066.31	6,972.31	6,972.31	103.39	241.68	90.17	1,388.74	-277.25	2,425.61	2,114.32	311.28	7.792		
10,400.00	7,066.54	6,972.54	6,972.54	106.08	241.69	90.17	1,388.74	-277.25	2,504.54	2,193.45	311.09	8.051		
10,500.00	7,066.77	6,972.77	6,972.77	108.78	241.70	90.18	1,388.74	-277.25	2,584.93	2,274.04	310.89	8.315		
10,600.00	7,067.01	6,973.01	6,973.01	111.48	241.70	90.19	1,388.74	-277.25	2,666.65	2,355.98	310.67	8.584		
10,700.00	7,067.24	6,973.24	6,973.24	114.20	241.71	90.20	1,388.74	-277.25	2,749.58	2,439.13	310.45	8.857		
10,800.00	7,067.47	6,973.47	6,973.47	116.92	241.72	90.21	1,388.74	-277.25	2,833.61	2,523.39	310.21	9.134		
10,900.00	7,067.70	6,973.70	6,973.70	119.65	241.73	90.22	1,388.74	-277.25	2,918.64	2,608.66	309.98	9.416		
11,000.00	7,067.93	6,973.93	6,973.93	122.38	241.74	90.23	1,388.74	-277.25	3,004.60	2,694.85	309.75	9.700		
11,100.00	7,068.16	6,974.16	6,974.16	125.12	241.75	90.24	1,388.74	-277.25	3,091.40	2,781.89	309.52	9.988		
11,200.00	7,068.39	6,974.39	6,974.39	127.86	241.75	90.24	1,388.74	-277.25	3,178.98	2,869.69	309.29	10.278		
11,300.00	7,068.62	6,974.62	6,974.62	130.61	241.76	90.25	1,388.74	-277.25	3,267.27	2,958.21	309.06	10.572		
11,400.00	7,068.85	6,974.85	6,974.85	133.37	241.77	90.26	1,388.74	-277.25	3,356.22	3,047.38	308.84	10.867		
11,500.00	7,069.08	6,975.08	6,975.08	136.12	241.78	90.27	1,388.74	-277.25	3,445.78	3,137.15	308.62	11.165		
11,600.00	7,069.31	6,975.31	6,975.31	138.89	241.79	90.28	1,388.74	-277.25	3,535.89	3,227.48	308.41	11.465		
11,700.00	7,069.54	6,975.54	6,975.54	141.65	241.79	90.29	1,388.74	-277.25	3,626.52	3,318.32	308.21	11.767		
11,800.00	7,069.77	6,975.77	6,975.77	144.42	241.80	90.30	1,388.74	-277.25	3,717.64	3,409.63	308.01	12.070		
11,900.00	7,070.00	6,976.00	6,976.00	147.19	241.81	90.31	1,388.74	-277.25	3,809.19	3,501.38	307.81	12.375		
12,000.00	7,070.23	6,976.23	6,976.23	149.97	241.82	90.31	1,388.74	-277.25	3,901.17	3,593.54	307.63	12.682		
12,100.00	7,070.46	6,976.46	6,976.46	152.75	241.83	90.32	1,388.74	-277.25	3,993.53	3,686.08	307.44	12.989		
12,200.00	7,070.69	6,976.69	6,976.69	155.53	241.83	90.33	1,388.74	-277.25	4,086.25	3,778.98	307.27	13.299		
12,300.00	7,070.92	6,976.92	6,976.92	158.32	241.84	90.34	1,388.74	-277.25	4,179.30	3,872.20	307.10	13.609		
12,400.00	7,071.16	6,977.16	6,977.16	161.10	241.85	90.35	1,388.74	-277.25	4,272.67	3,965.73	306.94	13.920		
12,500.00	7,071.39	6,977.39	6,977.39	163.89	241.86	90.36	1,388.74	-277.25	4,366.33	4,059.55	306.78	14.233		
12,600.00	7,071.62	6,977.62	6,977.62	166.69	241.87	90.37	1,388.74	-277.25	4,460.27	4,153.64	306.63	14.546		
12,700.00	7,071.85	6,977.85	6,977.85	169.48	241.87	90.37	1,388.74	-277.25	4,554.46	4,247.97	306.49	14.860		
12,800.00	7,072.08	6,978.08	6,978.08	172.28	241.88	90.38	1,388.74	-277.25	4,648.90	4,342.55	306.35	15.175		
12,900.00	7,072.31	6,978.31	6,978.31	175.08	241.89	90.39	1,388.74	-277.25	4,743.57	4,437.35	306.22	15.491		
13,000.00	7,072.54	6,978.54	6,978.54	177.88	241.90	90.40	1,388.74	-277.25	4,838.45	4,532.36	306.09	15.807		
13,100.00	7,072.77	6,978.77	6,978.77	180.68	241.91	90.41	1,388.74	-277.25	4,933.53	4,627.56	305.97	16.124		
13,200.00	7,073.00	6,979.00	6,979.00	183.48	241.91	90.42	1,388.74	-277.25	5,028.81	4,722.95	305.85	16.442		
13,300.00	7,073.23	6,979.23	6,979.23	186.29	241.92	90.43	1,388.74	-277.25	5,124.26	4,818.52	305.74	16.760		
13,400.00	7,073.46	6,979.46	6,979.46	189.09	241.93	90.44	1,388.74	-277.25	5,219.88	4,914.25	305.63	17.079		
13,500.00	7,073.69	6,979.69	6,979.69	191.90	241.94	90.44	1,388.74	-277.25	5,315.67	5,010.14	305.53	17.398		
13,600.00	7,073.92	6,979.92	6,979.92	194.71	241.95	90.45	1,388.74	-277.25	5,411.61	5,106.17	305.43	17.718		
13,700.00	7,074.15	6,980.15	6,980.15	197.52	241.95	90.46	1,388.74	-277.25	5,507.69	5,202.35	305.34	18.038		
13,800.00	7,074.38	6,980.38	6,980.38	200.34	241.96	90.47	1,388.74	-277.25	5,603.91	5,298.65	305.25	18.358		
13,900.00	7,074.61	6,980.61	6,980.61	203.15	241.97	90.48	1,388.74	-277.25	5,700.26	5,395.09	305.17	18.679		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	6,980.84	6,980.84	205.97	241.98	90.49	1,388.74	-277.25	5,796.73	5,491.64	305.09	19.000		
14,100.00	7,075.07	6,981.07	6,981.07	208.78	241.99	90.50	1,388.74	-277.25	5,893.32	5,588.31	305.01	19.322		
14,200.00	7,075.30	6,981.30	6,981.30	211.60	241.99	90.51	1,388.74	-277.25	5,990.02	5,685.08	304.94	19.643		
14,300.00	7,075.54	6,981.54	6,981.54	214.42	242.00	90.51	1,388.74	-277.25	6,086.83	5,781.96	304.87	19.965		
14,400.00	7,075.77	6,981.77	6,981.77	217.24	242.01	90.52	1,388.74	-277.25	6,183.74	5,878.94	304.80	20.288		
14,500.00	7,076.00	6,982.00	6,982.00	220.06	242.02	90.53	1,388.74	-277.25	6,280.75	5,976.00	304.74	20.610		
14,600.00	7,076.23	6,982.23	6,982.23	222.88	242.03	90.54	1,388.74	-277.25	6,377.85	6,073.16	304.69	20.933		
14,700.00	7,076.46	6,982.46	6,982.46	225.70	242.03	90.55	1,388.74	-277.25	6,475.04	6,170.40	304.63	21.255		
14,800.00	7,076.69	6,982.69	6,982.69	228.53	242.04	90.56	1,388.74	-277.25	6,572.31	6,267.73	304.58	21.578		
14,900.00	7,076.92	6,982.92	6,982.92	231.35	242.05	90.57	1,388.74	-277.25	6,669.66	6,365.13	304.53	21.901		
15,000.00	7,077.15	6,983.15	6,983.15	234.18	242.06	90.58	1,388.74	-277.25	6,767.09	6,462.61	304.49	22.225		
15,100.00	7,077.38	6,983.38	6,983.38	237.00	242.07	90.58	1,388.74	-277.25	6,864.59	6,560.15	304.44	22.548		
15,200.00	7,077.61	6,983.61	6,983.61	239.83	242.08	90.59	1,388.74	-277.25	6,962.17	6,657.77	304.40	22.872		
15,300.00	7,077.84	6,983.84	6,983.84	242.66	242.08	90.60	1,388.74	-277.25	7,059.81	6,755.45	304.37	23.195		
15,400.00	7,078.07	6,984.07	6,984.07	245.49	242.09	90.61	1,388.74	-277.25	7,157.52	6,853.19	304.33	23.519		
15,500.00	7,078.30	6,984.30	6,984.30	248.31	242.10	90.62	1,388.74	-277.25	7,255.29	6,950.99	304.30	23.842		
15,600.00	7,078.53	6,984.53	6,984.53	251.14	242.11	90.63	1,388.74	-277.25	7,353.12	7,048.85	304.27	24.166		
15,700.00	7,078.76	6,984.76	6,984.76	253.97	242.12	90.64	1,388.74	-277.25	7,451.01	7,146.76	304.25	24.490		
15,800.00	7,078.99	6,984.99	6,984.99	256.80	242.12	90.65	1,388.74	-277.25	7,548.95	7,244.73	304.22	24.814		
15,900.00	7,079.22	6,985.22	6,985.22	259.64	242.13	90.65	1,388.74	-277.25	7,646.95	7,342.74	304.20	25.138		
16,000.00	7,079.45	6,985.45	6,985.45	262.47	242.14	90.66	1,388.74	-277.25	7,745.00	7,440.81	304.19	25.461		
16,100.00	7,079.69	6,985.69	6,985.69	265.30	242.15	90.67	1,388.74	-277.25	7,843.09	7,538.92	304.17	25.785		
16,200.00	7,079.92	6,985.92	6,985.92	268.13	242.16	90.68	1,388.74	-277.25	7,941.24	7,637.08	304.15	26.109		
16,300.00	7,080.15	6,986.15	6,986.15	270.97	242.16	90.69	1,388.74	-277.25	8,039.43	7,735.28	304.14	26.433		
16,400.00	7,080.38	6,986.38	6,986.38	273.80	242.17	90.70	1,388.74	-277.25	8,137.66	7,833.53	304.13	26.757		
16,500.00	7,080.61	6,986.61	6,986.61	276.64	242.18	90.71	1,388.74	-277.25	8,235.94	7,931.81	304.13	27.081		
16,600.00	7,080.84	6,986.84	6,986.84	279.47	242.19	90.72	1,388.74	-277.25	8,334.26	8,030.14	304.12	27.404		
16,700.00	7,081.07	6,987.07	6,987.07	282.31	242.20	90.72	1,388.74	-277.25	8,432.61	8,128.50	304.12	27.728		
16,800.00	7,081.30	6,987.30	6,987.30	285.14	242.20	90.73	1,388.74	-277.25	8,531.01	8,226.89	304.12	28.052		
16,900.00	7,081.53	6,987.53	6,987.53	287.98	242.21	90.74	1,388.74	-277.25	8,629.44	8,325.33	304.12	28.375		
17,000.00	7,081.76	6,987.76	6,987.76	290.82	242.22	90.75	1,388.74	-277.25	8,727.91	8,423.79	304.12	28.699		
17,100.00	7,081.99	6,987.99	6,987.99	293.65	242.23	90.76	1,388.74	-277.25	8,826.41	8,522.29	304.12	29.023		
17,200.00	7,082.22	6,988.22	6,988.22	296.49	242.24	90.77	1,388.74	-277.25	8,924.95	8,620.82	304.13	29.346		
17,300.00	7,082.45	6,988.45	6,988.45	299.33	242.24	90.78	1,388.74	-277.25	9,023.52	8,719.38	304.14	29.669		
17,400.00	7,082.68	6,988.68	6,988.68	302.17	242.25	90.79	1,388.74	-277.25	9,122.11	8,817.97	304.15	29.992		
17,500.00	7,082.91	6,988.91	6,988.91	305.01	242.26	90.79	1,388.74	-277.25	9,220.74	8,916.59	304.16	30.316		
17,600.00	7,083.14	6,989.14	6,989.14	307.85	242.27	90.80	1,388.74	-277.25	9,319.40	9,015.23	304.17	30.639		
17,700.00	7,083.37	6,989.37	6,989.37	310.69	242.28	90.81	1,388.74	-277.25	9,418.09	9,113.90	304.19	30.962		
17,800.00	7,083.60	6,989.60	6,989.60	313.53	242.28	90.82	1,388.74	-277.25	9,516.80	9,212.60	304.20	31.285		
17,900.00	7,083.84	6,989.84	6,989.84	316.37	242.29	90.83	1,388.74	-277.25	9,615.54	9,311.32	304.22	31.607		
18,000.00	7,084.07	7,009.93	6,990.07	319.21	242.99	90.84	1,388.74	-277.25	9,714.31	9,409.38	304.93	31.857		
18,100.00	7,084.30	7,009.70	6,990.30	322.05	242.99	90.85	1,388.74	-277.25	9,813.10	9,508.16	304.94	32.181		
18,200.00	7,084.53	7,009.47	6,990.53	324.89	242.98	90.86	1,388.74	-277.25	9,911.92	9,606.97	304.94	32.504		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-127.60	-2,355.04	-3,058.53	3,860.19					
100.00	100.00	77.33	77.33	3.28	3.28	-127.60	-2,355.17	-3,058.54	3,860.26	3,853.69	6.57	587.655		
200.00	200.00	218.67	218.66	3.34	3.36	-127.61	-2,355.38	-3,057.84	3,859.96	3,853.26	6.70	576.416		
300.00	300.00	303.69	303.68	3.44	3.46	-127.60	-2,354.96	-3,057.46	3,859.30	3,852.40	6.90	559.317		
314.74	314.74	315.24	315.23	3.46	3.47	136.89	-2,354.88	-3,057.46	3,859.27	3,852.33	6.94	556.439		
400.00	399.98	382.04	382.03	3.60	3.57	136.89	-2,354.62	-3,057.55	3,860.40	3,853.23	7.17	538.137		
500.00	499.84	520.03	520.02	3.80	3.85	136.92	-2,354.12	-3,057.16	3,863.76	3,856.11	7.64	505.481		
600.00	599.45	588.87	588.86	4.04	4.01	136.90	-2,353.83	-3,056.96	3,869.65	3,861.60	8.04	481.048		
700.00	698.70	723.28	723.27	4.31	4.36	136.96	-2,353.04	-3,056.49	3,877.92	3,869.24	8.68	446.984		
800.00	797.47	800.00	799.98	4.62	4.59	136.94	-2,352.45	-3,056.34	3,888.77	3,879.57	9.21	422.343		
900.00	895.62	913.32	913.30	4.97	4.94	136.97	-2,352.04	-3,055.90	3,902.32	3,892.42	9.90	394.268		
980.89	974.49	984.03	984.01	5.27	5.17	136.95	-2,351.97	-3,055.37	3,915.05	3,904.62	10.42	375.636		
1,000.00	993.07	1,001.45	1,001.43	5.34	5.23	136.99	-2,351.96	-3,055.25	3,918.27	3,907.71	10.55	371.276		
1,100.00	1,090.26	1,092.55	1,092.52	5.75	5.53	137.20	-2,351.92	-3,054.73	3,935.25	3,924.00	11.25	349.944		
1,200.00	1,187.45	1,183.57	1,183.55	6.17	5.85	137.41	-2,351.92	-3,054.35	3,952.45	3,940.48	11.96	330.358		
1,300.00	1,284.64	1,274.53	1,274.51	6.62	6.18	137.62	-2,351.95	-3,054.12	3,969.86	3,957.15	12.70	312.467		
1,400.00	1,381.83	1,365.42	1,365.39	7.07	6.51	137.83	-2,352.03	-3,054.05	3,987.48	3,974.02	13.46	296.165		
1,500.00	1,479.01	1,456.23	1,456.21	7.54	6.85	138.04	-2,352.14	-3,054.12	4,005.32	3,991.09	14.24	281.324		
1,600.00	1,576.20	1,559.89	1,559.86	8.02	7.24	138.28	-2,352.13	-3,054.40	4,023.30	4,008.22	15.07	266.890		
1,700.00	1,673.39	1,681.95	1,681.92	8.50	7.71	138.57	-2,351.20	-3,054.72	4,040.91	4,024.91	16.00	252.567		
1,800.00	1,770.58	1,782.91	1,782.87	8.99	8.10	138.80	-2,350.49	-3,054.42	4,058.17	4,041.32	16.85	240.839		
1,900.00	1,867.77	1,879.68	1,879.64	9.48	8.48	139.02	-2,349.92	-3,054.06	4,075.49	4,057.80	17.69	230.359		
2,000.00	1,964.96	1,976.44	1,976.40	9.98	8.87	139.24	-2,349.20	-3,053.82	4,092.88	4,074.34	18.54	220.752		
2,100.00	2,062.15	2,067.09	2,067.05	10.49	9.23	139.44	-2,348.61	-3,053.61	4,110.40	4,091.03	19.37	212.213		
2,200.00	2,159.34	2,162.85	2,162.81	10.99	9.61	139.65	-2,348.15	-3,053.44	4,128.12	4,107.89	20.22	204.117		
2,300.00	2,256.53	2,286.31	2,286.25	11.50	10.11	139.94	-2,346.28	-3,053.73	4,145.68	4,124.47	21.20	195.512		
2,400.00	2,353.71	2,424.29	2,424.19	12.01	10.67	140.26	-2,343.12	-3,053.17	4,162.32	4,140.06	22.25	187.045		
2,500.00	2,450.90	2,519.26	2,519.14	12.53	11.06	140.48	-2,341.06	-3,052.19	4,178.62	4,155.50	23.12	180.744		
2,600.00	2,548.09	2,596.55	2,596.41	13.04	11.38	140.65	-2,339.28	-3,051.77	4,195.29	4,171.38	23.91	175.466		
2,700.00	2,645.28	2,685.94	2,685.77	13.56	11.74	140.86	-2,337.18	-3,051.66	4,212.35	4,187.60	24.75	170.163		
2,800.00	2,742.47	2,793.53	2,793.34	14.08	12.19	141.10	-2,334.93	-3,051.34	4,229.47	4,203.79	25.68	164.676		
2,900.00	2,839.66	2,871.66	2,871.46	14.60	12.51	141.28	-2,333.39	-3,051.08	4,246.70	4,220.22	26.48	160.366		
3,000.00	2,936.85	2,964.28	2,964.06	15.12	12.89	141.48	-2,332.06	-3,050.89	4,264.35	4,237.01	27.35	155.944		
3,100.00	3,034.04	3,041.56	3,041.34	15.65	13.21	141.63	-2,331.67	-3,050.35	4,282.16	4,254.02	28.14	152.174		
3,200.00	3,131.22	3,107.53	3,107.30	16.17	13.49	141.76	-2,331.68	-3,050.27	4,300.73	4,271.85	28.88	148.914		
3,300.00	3,228.41	3,200.65	3,200.43	16.69	13.87	141.95	-2,331.54	-3,050.66	4,319.72	4,289.98	29.75	145.214		
3,400.00	3,325.60	3,261.77	3,261.54	17.22	14.12	142.07	-2,331.63	-3,051.14	4,339.21	4,308.75	30.46	142.445		
3,500.00	3,422.79	3,356.92	3,356.68	17.75	14.52	142.25	-2,332.79	-3,052.02	4,359.40	4,328.06	31.34	139.101		
3,600.00	3,519.98	3,445.57	3,445.33	18.27	14.89	142.42	-2,333.58	-3,052.65	4,379.32	4,347.13	32.19	136.062		
3,700.00	3,617.17	3,524.94	3,524.68	18.80	15.22	142.56	-2,334.46	-3,053.75	4,399.91	4,366.92	32.99	133.381		
3,800.00	3,714.36	3,691.84	3,691.57	19.33	15.91	142.87	-2,336.09	-3,054.66	4,419.78	4,385.56	34.22	129.169		
3,900.00	3,811.55	3,774.03	3,773.76	19.86	16.26	143.02	-2,336.04	-3,054.99	4,439.08	4,404.05	35.04	126.701		
4,000.00	3,908.74	3,872.63	3,872.36	20.39	16.67	143.21	-2,336.38	-3,055.47	4,458.69	4,422.76	35.93	124.077		
4,100.00	4,005.92	3,981.67	3,981.39	20.92	17.13	143.41	-2,336.74	-3,055.73	4,478.13	4,441.24	36.89	121.404		
4,200.00	4,103.11	4,090.85	4,090.58	21.45	17.58	143.60	-2,337.04	-3,055.68	4,497.34	4,459.50	37.84	118.855		
4,300.00	4,200.30	4,200.17	4,199.90	21.98	18.04	143.79	-2,337.28	-3,055.33	4,516.34	4,477.55	38.79	116.422		
4,400.00	4,297.49	4,309.64	4,309.36	22.51	18.50	143.98	-2,337.47	-3,054.67	4,535.11	4,495.36	39.75	114.096		
4,500.00	4,394.68	4,419.25	4,418.97	23.04	18.96	144.17	-2,337.60	-3,053.71	4,553.66	4,512.96	40.70	111.870		
4,600.00	4,491.87	4,484.14	4,483.86	23.57	19.24	144.28	-2,337.60	-3,053.44	4,572.55	4,531.11	41.44	110.337		
4,700.00	4,589.06	4,612.46	4,612.18	24.10	19.78	144.51	-2,337.39	-3,053.02	4,591.55	4,549.05	42.49	108.057		
4,800.00	4,686.25	4,657.73	4,657.45	24.64	19.97	144.58	-2,337.36	-3,053.02	4,610.75	4,567.63	43.13	106.907		
4,900.00	4,783.43	4,734.05	4,733.76	25.17	20.29	144.72	-2,337.42	-3,053.68	4,630.88	4,586.96	43.92	105.445		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,880.62	4,849.40	4,849.11	25.70	20.78	144.93	-2,336.82	-3,054.52	4,650.65	4,605.74	44.91	103.566		
5,100.00	4,977.81	4,960.85	4,960.54	26.23	21.25	145.14	-2,335.62	-3,055.68	4,670.54	4,624.67	45.87	101.815		
5,200.00	5,075.00	5,048.19	5,047.89	26.77	21.62	145.29	-2,335.17	-3,055.89	4,690.04	4,643.32	46.72	100.389		
5,300.00	5,172.19	5,133.13	5,132.82	27.30	21.97	145.44	-2,334.97	-3,056.60	4,710.17	4,662.62	47.55	99.055		
5,400.00	5,269.38	5,244.45	5,244.14	27.83	22.45	145.62	-2,334.76	-3,056.89	4,729.87	4,681.35	48.52	97.483		
5,457.75	5,325.51	5,284.55	5,284.24	28.14	22.62	145.69	-2,334.59	-3,057.17	4,741.43	4,692.47	48.95	96.854		
5,500.00	5,366.64	5,343.95	5,343.63	28.37	22.87	145.89	-2,334.23	-3,057.69	4,749.70	4,700.27	49.43	96.097		
5,600.00	5,464.53	5,455.65	5,455.33	28.87	23.34	146.25	-2,333.20	-3,057.97	4,766.50	4,716.11	50.38	94.607		
5,700.00	5,563.07	5,542.26	5,541.93	29.35	23.71	146.52	-2,332.04	-3,058.69	4,780.79	4,729.60	51.19	93.387		
5,800.00	5,662.15	5,634.45	5,634.10	29.80	24.10	146.75	-2,330.66	-3,059.56	4,792.27	4,740.25	52.02	92.127		
5,900.00	5,761.64	5,722.81	5,722.46	30.23	24.47	146.92	-2,329.85	-3,060.49	4,801.20	4,748.40	52.81	90.918		
6,000.00	5,861.42	5,862.48	5,862.11	30.64	25.07	147.07	-2,328.06	-3,061.54	4,806.79	4,752.94	53.85	89.262		
6,100.00	5,961.36	5,962.07	5,961.69	31.02	25.49	147.12	-2,327.11	-3,061.59	4,808.99	4,754.32	54.67	87.962		
6,138.64	6,000.00	5,995.70	5,995.32	31.16	25.63	-117.36	-2,326.69	-3,061.71	4,809.12	4,754.16	54.95	87.510		
6,200.00	6,061.36	6,057.89	6,057.51	31.38	25.89	-117.35	-2,326.09	-3,061.89	4,809.00	4,753.55	55.44	86.737		
6,300.00	6,161.36	6,186.93	6,186.54	31.74	26.44	-117.35	-2,325.73	-3,061.46	4,808.60	4,752.21	56.38	85.282		
6,400.00	6,261.36	6,255.27	6,254.89	32.10	26.73	-117.35	-2,325.29	-3,061.23	4,808.04	4,751.02	57.01	84.330		
6,419.12	6,280.48	6,266.87	6,266.48	32.17	26.78	-117.35	-2,325.23	-3,061.25	4,808.02	4,750.90	57.13	84.163		
6,500.00	6,361.36	6,352.59	6,352.20	32.46	27.14	-117.34	-2,324.77	-3,061.67	4,808.19	4,750.39	57.80	83.193		
6,562.02	6,423.38	6,425.53	6,425.14	32.68	27.45	-117.33	-2,324.18	-3,061.66	4,807.93	4,749.58	58.35	82.403		
6,600.00	6,461.34	6,450.80	6,450.41	32.82	27.56	-27.08	-2,324.05	-3,061.67	4,806.85	4,748.27	58.58	82.062		
6,650.00	6,511.08	6,483.93	6,483.54	32.99	27.70	-27.27	-2,323.99	-3,061.74	4,802.50	4,743.64	58.86	81.586		
6,700.00	6,560.29	6,541.05	6,540.66	33.17	27.94	-27.66	-2,324.02	-3,061.93	4,794.81	4,735.54	59.27	80.897		
6,750.00	6,608.64	6,620.03	6,619.63	33.36	28.28	-28.26	-2,323.82	-3,061.85	4,783.45	4,723.66	59.78	80.013		
6,800.00	6,655.86	6,640.95	6,640.56	33.56	28.37	-28.97	-2,323.85	-3,061.86	4,768.81	4,708.82	59.99	79.494		
6,850.00	6,701.64	6,739.88	6,659.73	33.78	28.79	-29.85	-2,323.80	-3,061.82	4,751.01	4,690.49	60.52	78.506		
6,900.00	6,745.71	6,704.24	6,703.85	34.01	28.64	-31.03	-2,324.14	-3,061.94	4,730.32	4,669.83	60.50	78.190		
6,950.00	6,787.79	6,746.39	6,746.00	34.27	28.82	-32.47	-2,324.47	-3,062.04	4,706.66	4,645.85	60.80	77.407		
7,000.00	6,827.62	6,786.30	6,785.91	34.56	28.98	-34.21	-2,324.78	-3,062.14	4,680.17	4,619.07	61.10	76.599		
7,050.00	6,864.96	6,823.73	6,823.33	34.87	29.14	-36.30	-2,325.08	-3,062.24	4,651.03	4,589.65	61.39	75.767		
7,100.00	6,899.58	6,858.44	6,858.04	35.21	29.29	-38.78	-2,325.35	-3,062.33	4,619.44	4,557.78	61.66	74.914		
7,150.00	6,931.26	6,890.22	6,889.82	35.60	29.42	-41.72	-2,325.59	-3,062.41	4,585.61	4,523.67	61.93	74.039		
7,200.00	6,959.81	6,918.87	6,918.47	36.02	29.55	-45.20	-2,325.82	-3,062.48	4,549.76	4,487.55	62.20	73.146		
7,250.00	6,985.06	6,944.23	6,943.83	36.47	29.65	-49.29	-2,326.02	-3,062.55	4,512.12	4,449.66	62.46	72.235		
7,300.00	7,006.84	6,966.12	6,965.72	36.97	29.75	-54.06	-2,326.19	-3,062.60	4,472.95	4,410.23	62.73	71.308		
7,350.00	7,025.02	6,984.43	6,984.03	37.51	29.82	-59.55	-2,326.33	-3,062.65	4,432.51	4,369.52	62.99	70.369		
7,400.00	7,039.49	6,999.03	6,998.62	38.09	29.89	-65.77	-2,326.44	-3,062.69	4,391.05	4,327.79	63.25	69.419		
7,450.00	7,050.17	7,009.83	7,009.42	38.70	29.93	-72.63	-2,326.53	-3,062.71	4,348.84	4,285.32	63.52	68.463		
7,500.00	7,056.98	7,016.77	7,016.36	39.33	29.96	-79.96	-2,326.58	-3,062.73	4,306.15	4,242.36	63.79	67.504		
7,550.00	7,059.89	7,019.80	7,019.40	39.99	29.97	-87.50	-2,326.60	-3,062.74	4,263.26	4,199.20	64.06	66.548		
7,560.55	7,060.00	7,019.94	7,019.54	40.13	29.97	-89.09	-2,326.61	-3,062.74	4,254.21	4,190.09	64.12	66.347		
7,600.00	7,060.09	7,020.13	7,019.73	40.67	29.98	-89.09	-2,326.61	-3,062.74	4,220.43	4,156.08	64.34	65.592		
7,700.00	7,060.32	7,020.62	7,020.22	42.14	29.98	-89.10	-2,326.61	-3,062.74	4,135.24	4,070.26	64.98	63.640		
7,800.00	7,060.55	7,021.11	7,020.71	43.75	29.98	-89.12	-2,326.61	-3,062.74	4,050.72	3,985.01	65.72	61.640		
7,900.00	7,060.78	7,021.60	7,021.20	45.48	29.98	-89.13	-2,326.62	-3,062.74	3,966.93	3,900.37	66.56	59.597		
8,000.00	7,061.01	7,022.09	7,021.69	47.33	29.98	-89.14	-2,326.62	-3,062.74	3,883.91	3,816.38	67.52	57.519		
8,100.00	7,061.24	7,022.58	7,022.17	49.27	29.99	-89.16	-2,326.63	-3,062.75	3,801.70	3,733.09	68.60	55.416		
8,200.00	7,061.47	7,023.07	7,022.66	51.29	29.99	-89.17	-2,326.63	-3,062.75	3,720.36	3,650.55	69.81	53.295		
8,300.00	7,061.70	7,023.55	7,023.15	53.40	29.99	-89.18	-2,326.63	-3,062.75	3,639.95	3,568.82	71.14	51.167		
8,400.00	7,061.93	7,024.04	7,023.64	55.57	29.99	-89.19	-2,326.64	-3,062.75	3,560.54	3,487.94	72.60	49.041		
8,500.00	7,062.16	7,024.53	7,024.13	57.80	29.99	-89.21	-2,326.64	-3,062.75	3,482.19	3,407.98	74.20	46.927		
8,600.00	7,062.39	7,025.02	7,024.62	60.08	30.00	-89.22	-2,326.65	-3,062.75	3,404.97	3,329.02	75.94	44.836		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,062.63	7,025.51	7,025.11	62.42	30.00	-89.23	-2,326.65	-3,062.75	3,328.96	3,251.14	77.82	42.775		
8,800.00	7,062.86	7,026.00	7,025.60	64.79	30.00	-89.25	-2,326.65	-3,062.75	3,254.25	3,174.40	79.85	40.755		
8,900.00	7,063.09	7,026.49	7,026.09	67.20	30.00	-89.26	-2,326.66	-3,062.76	3,180.93	3,098.91	82.02	38.782		
9,000.00	7,063.32	7,026.98	7,026.58	69.65	30.00	-89.27	-2,326.66	-3,062.76	3,109.10	3,024.76	84.34	36.864		
9,100.00	7,063.55	7,027.47	7,027.06	72.12	30.01	-89.28	-2,326.66	-3,062.76	3,038.86	2,952.06	86.81	35.007		
9,200.00	7,063.78	7,027.96	7,027.55	74.63	30.01	-89.30	-2,326.67	-3,062.76	2,970.33	2,880.91	89.42	33.217		
9,300.00	7,064.01	7,028.44	7,028.04	77.16	30.01	-89.31	-2,326.67	-3,062.76	2,903.62	2,811.44	92.18	31.498		
9,400.00	7,064.24	7,028.93	7,028.53	79.71	30.01	-89.32	-2,326.68	-3,062.76	2,838.87	2,743.78	95.09	29.854		
9,500.00	7,064.47	7,029.42	7,029.02	82.28	30.01	-89.34	-2,326.68	-3,062.76	2,776.22	2,678.08	98.14	28.289		
9,600.00	7,064.70	7,029.91	7,029.51	84.87	30.02	-89.35	-2,326.68	-3,062.76	2,715.80	2,614.47	101.32	26.803		
9,700.00	7,064.93	7,030.40	7,030.00	87.47	30.02	-89.36	-2,326.69	-3,062.76	2,657.77	2,553.13	104.64	25.400		
9,800.00	7,065.16	7,030.89	7,030.49	90.09	30.02	-89.37	-2,326.69	-3,062.77	2,602.29	2,494.22	108.07	24.080		
9,900.00	7,065.39	7,031.38	7,030.98	92.73	30.02	-89.39	-2,326.69	-3,062.77	2,549.52	2,437.91	111.61	22.842		
10,000.00	7,065.62	7,031.87	7,031.47	95.38	30.03	-89.40	-2,326.70	-3,062.77	2,499.65	2,384.40	115.25	21.688		
10,100.00	7,065.85	7,032.36	7,031.95	98.04	30.03	-89.41	-2,326.70	-3,062.77	2,452.84	2,333.87	118.97	20.617		
10,200.00	7,066.08	7,032.85	7,032.44	100.71	30.03	-89.42	-2,326.71	-3,062.77	2,409.27	2,286.52	122.75	19.628		
10,300.00	7,066.31	7,033.33	7,032.93	103.39	30.03	-89.44	-2,326.71	-3,062.77	2,369.13	2,242.56	126.57	18.719		
10,400.00	7,066.54	7,033.82	7,033.42	106.08	30.03	-89.45	-2,326.71	-3,062.77	2,332.58	2,202.19	130.39	17.889		
10,500.00	7,066.77	7,034.31	7,033.91	108.78	30.04	-89.46	-2,326.72	-3,062.77	2,299.80	2,165.60	134.21	17.136		
10,600.00	7,067.01	7,034.80	7,034.40	111.48	30.04	-89.48	-2,326.72	-3,062.78	2,270.96	2,132.99	137.97	16.459		
10,700.00	7,067.24	7,035.29	7,034.89	114.20	30.04	-89.49	-2,326.73	-3,062.78	2,246.20	2,104.54	141.67	15.855		
10,800.00	7,067.47	7,035.78	7,035.38	116.92	30.04	-89.50	-2,326.73	-3,062.78	2,225.67	2,080.42	145.25	15.323		
10,900.00	7,067.70	7,036.27	7,035.87	119.65	30.04	-89.51	-2,326.73	-3,062.78	2,209.47	2,060.77	148.70	14.859		
11,000.00	7,067.93	7,036.76	7,036.36	122.38	30.05	-89.53	-2,326.74	-3,062.78	2,197.71	2,045.74	151.97	14.461		
11,100.00	7,068.16	7,037.25	7,036.84	125.12	30.05	-89.54	-2,326.74	-3,062.78	2,190.46	2,035.40	155.05	14.127		
11,200.00	7,068.39	7,037.74	7,037.33	127.86	30.05	-89.55	-2,326.74	-3,062.78	2,187.75	2,029.85	157.91	13.855		
11,209.17	7,068.41	7,037.78	7,037.38	128.12	30.05	-89.55	-2,326.74	-3,062.78	2,187.73	2,029.58	158.16	13.833 CC		
11,300.00	7,068.62	7,038.23	7,037.82	130.61	30.05	-89.57	-2,326.75	-3,062.78	2,189.62	2,029.10	160.52	13.641 ES		
11,400.00	7,068.85	7,038.71	7,038.31	133.37	30.05	-89.58	-2,326.75	-3,062.79	2,196.04	2,033.17	162.87	13.484		
11,500.00	7,069.08	7,039.20	7,038.80	136.12	30.06	-89.59	-2,326.76	-3,062.79	2,206.98	2,042.03	164.95	13.380		
11,600.00	7,069.31	7,039.69	7,039.29	138.89	30.06	-89.60	-2,326.76	-3,062.79	2,222.37	2,055.62	166.75	13.328		
11,700.00	7,069.54	7,040.18	7,039.78	141.65	30.06	-89.62	-2,326.76	-3,062.79	2,242.12	2,073.84	168.27	13.324 SF		
11,800.00	7,069.77	7,040.67	7,040.27	144.42	30.06	-89.63	-2,326.77	-3,062.79	2,266.11	2,096.58	169.53	13.367		
11,900.00	7,070.00	7,041.16	7,040.76	147.19	30.06	-89.64	-2,326.77	-3,062.79	2,294.21	2,123.69	170.52	13.454		
12,000.00	7,070.23	7,041.65	7,041.25	149.97	30.07	-89.66	-2,326.77	-3,062.79	2,326.28	2,155.02	171.26	13.584		
12,100.00	7,070.46	7,042.14	7,041.73	152.75	30.07	-89.67	-2,326.78	-3,062.79	2,362.15	2,190.38	171.76	13.752		
12,200.00	7,070.69	7,042.63	7,042.22	155.53	30.07	-89.68	-2,326.78	-3,062.80	2,401.64	2,229.60	172.05	13.959		
12,300.00	7,070.92	7,043.12	7,042.71	158.32	30.07	-89.69	-2,326.79	-3,062.80	2,444.60	2,272.46	172.14	14.202		
12,400.00	7,071.16	7,043.60	7,043.20	161.10	30.08	-89.71	-2,326.79	-3,062.80	2,490.83	2,318.78	172.04	14.478		
12,500.00	7,071.39	7,044.09	7,043.69	163.89	30.08	-89.72	-2,326.79	-3,062.80	2,540.15	2,368.36	171.79	14.786		
12,600.00	7,071.62	7,044.58	7,044.18	166.69	30.08	-89.73	-2,326.80	-3,062.80	2,592.40	2,420.99	171.40	15.124		
12,700.00	7,071.85	7,045.07	7,044.67	169.48	30.08	-89.74	-2,326.80	-3,062.80	2,647.39	2,476.50	170.89	15.492		
12,800.00	7,072.08	7,045.56	7,045.16	172.28	30.08	-89.76	-2,326.81	-3,062.80	2,704.97	2,534.69	170.28	15.886		
12,900.00	7,072.31	7,046.05	7,045.65	175.08	30.09	-89.77	-2,326.81	-3,062.80	2,764.96	2,595.39	169.57	16.306		
13,000.00	7,072.54	7,046.54	7,046.14	177.88	30.09	-89.78	-2,326.81	-3,062.81	2,827.22	2,658.42	168.79	16.750		
13,100.00	7,072.77	7,047.03	7,046.62	180.68	30.09	-89.80	-2,326.82	-3,062.81	2,891.59	2,723.64	167.96	17.216		
13,200.00	7,073.00	7,047.52	7,047.11	183.48	30.09	-89.81	-2,326.82	-3,062.81	2,957.95	2,790.88	167.07	17.705		
13,300.00	7,073.23	7,048.01	7,047.60	186.29	30.09	-89.82	-2,326.82	-3,062.81	3,026.16	2,860.01	166.15	18.214		
13,400.00	7,073.46	7,048.49	7,048.09	189.09	30.10	-89.83	-2,326.83	-3,062.81	3,096.09	2,930.90	165.19	18.742		
13,500.00	7,073.69	7,048.98	7,048.58	191.90	30.10	-89.85	-2,326.83	-3,062.81	3,167.64	3,003.42	164.22	19.289		
13,600.00	7,073.92	7,049.47	7,049.07	194.71	30.10	-89.86	-2,326.84	-3,062.81	3,240.69	3,077.46	163.24	19.853		
13,700.00	7,074.15	7,049.96	7,049.56	197.52	30.10	-89.87	-2,326.84	-3,062.81	3,315.15	3,152.91	162.24	20.433		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,050.45	7,050.05	200.34	30.10	-89.89	-2,326.84	-3,062.82	3,390.93	3,229.68	161.25	21.029		
13,900.00	7,074.61	7,050.94	7,050.54	203.15	30.11	-89.90	-2,326.85	-3,062.82	3,467.93	3,307.67	160.26	21.640		
14,000.00	7,074.84	7,051.43	7,051.03	205.97	30.11	-89.91	-2,326.85	-3,062.82	3,546.08	3,386.81	159.27	22.264		
14,100.00	7,075.07	7,051.92	7,051.51	208.78	30.11	-89.92	-2,326.85	-3,062.82	3,625.31	3,467.01	158.29	22.902		
14,200.00	7,075.30	7,052.41	7,052.00	211.60	30.11	-89.94	-2,326.86	-3,062.82	3,705.54	3,548.21	157.33	23.553		
14,300.00	7,075.54	7,052.90	7,052.49	214.42	30.11	-89.95	-2,326.86	-3,062.82	3,786.71	3,630.33	156.38	24.215		
14,400.00	7,075.77	7,053.38	7,052.98	217.24	30.12	-89.96	-2,326.87	-3,062.82	3,868.76	3,713.32	155.44	24.889		
14,500.00	7,076.00	7,053.87	7,053.47	220.06	30.12	-89.98	-2,326.87	-3,062.82	3,951.64	3,797.12	154.52	25.573		
14,600.00	7,076.23	7,054.36	7,053.96	222.88	30.12	-89.99	-2,326.87	-3,062.83	4,035.29	3,881.67	153.62	26.268		
14,700.00	7,076.46	7,054.85	7,054.45	225.70	30.12	-90.00	-2,326.88	-3,062.83	4,119.68	3,966.94	152.74	26.972		
14,800.00	7,076.69	7,055.34	7,054.94	228.53	30.12	-90.01	-2,326.88	-3,062.83	4,204.75	4,052.87	151.88	27.685		
14,900.00	7,076.92	7,055.83	7,055.43	231.35	30.13	-90.03	-2,326.89	-3,062.83	4,290.46	4,139.43	151.03	28.407		
15,000.00	7,077.15	7,056.32	7,055.92	234.18	30.13	-90.04	-2,326.89	-3,062.83	4,376.78	4,226.57	150.21	29.137		
15,100.00	7,077.38	7,056.81	7,056.40	237.00	30.13	-90.05	-2,326.89	-3,062.83	4,463.67	4,314.26	149.41	29.876		
15,200.00	7,077.61	7,057.30	7,056.89	239.83	30.13	-90.07	-2,326.90	-3,062.83	4,551.10	4,402.47	148.62	30.621		
15,300.00	7,077.84	7,057.79	7,057.38	242.66	30.14	-90.08	-2,326.90	-3,062.83	4,639.03	4,491.17	147.86	31.374		
15,400.00	7,078.07	7,058.27	7,057.87	245.49	30.14	-90.09	-2,326.90	-3,062.84	4,727.45	4,580.33	147.12	32.134		
15,500.00	7,078.30	7,058.76	7,058.36	248.31	30.14	-90.10	-2,326.91	-3,062.84	4,816.32	4,669.93	146.39	32.900		
15,600.00	7,078.53	7,059.25	7,058.85	251.14	30.14	-90.12	-2,326.91	-3,062.84	4,905.62	4,759.93	145.69	33.672		
15,700.00	7,078.76	7,059.74	7,059.34	253.97	30.14	-90.13	-2,326.92	-3,062.84	4,995.32	4,850.32	145.00	34.450		
15,800.00	7,078.99	7,060.23	7,059.83	256.80	30.15	-90.14	-2,326.92	-3,062.84	5,085.41	4,941.07	144.33	35.234		
15,900.00	7,079.22	7,060.72	7,060.32	259.64	30.15	-90.15	-2,326.92	-3,062.84	5,175.86	5,032.18	143.68	36.023		
16,000.00	7,079.45	7,061.21	7,060.81	262.47	30.15	-90.17	-2,326.93	-3,062.84	5,266.65	5,123.60	143.05	36.817		
16,100.00	7,079.69	7,061.70	7,061.29	265.30	30.15	-90.18	-2,326.93	-3,062.84	5,357.78	5,215.34	142.43	37.616		
16,200.00	7,079.92	7,062.19	7,061.78	268.13	30.15	-90.19	-2,326.94	-3,062.85	5,449.21	5,307.38	141.84	38.419		
16,300.00	7,080.15	7,062.68	7,062.27	270.97	30.16	-90.21	-2,326.94	-3,062.85	5,540.94	5,399.69	141.25	39.227		
16,400.00	7,080.38	7,063.16	7,062.76	273.80	30.16	-90.22	-2,326.94	-3,062.85	5,632.96	5,492.27	140.69	40.038		
16,500.00	7,080.61	7,063.65	7,063.25	276.64	30.16	-90.23	-2,326.95	-3,062.85	5,725.24	5,585.10	140.14	40.854		
16,600.00	7,080.84	7,064.14	7,063.74	279.47	30.16	-90.24	-2,326.95	-3,062.85	5,817.77	5,678.17	139.60	41.674		
16,700.00	7,081.07	7,064.63	7,064.23	282.31	30.16	-90.26	-2,326.95	-3,062.85	5,910.55	5,771.47	139.08	42.497		
16,800.00	7,081.30	7,065.12	7,064.72	285.14	30.17	-90.27	-2,326.96	-3,062.85	6,003.56	5,864.99	138.58	43.323		
16,900.00	7,081.53	7,065.61	7,065.21	287.98	30.17	-90.28	-2,326.96	-3,062.85	6,096.79	5,958.71	138.08	44.153		
17,000.00	7,081.76	7,066.10	7,065.70	290.82	30.17	-90.30	-2,326.97	-3,062.86	6,190.24	6,052.63	137.61	44.985		
17,100.00	7,081.99	7,066.59	7,066.18	293.65	30.17	-90.31	-2,326.97	-3,062.86	6,283.88	6,146.74	137.14	45.821		
17,200.00	7,082.22	7,067.08	7,066.67	296.49	30.17	-90.32	-2,326.97	-3,062.86	6,377.72	6,241.03	136.69	46.659		
17,300.00	7,082.45	7,067.57	7,067.16	299.33	30.18	-90.33	-2,326.98	-3,062.86	6,471.74	6,335.50	136.25	47.500		
17,400.00	7,082.68	7,068.05	7,067.65	302.17	30.18	-90.35	-2,326.98	-3,062.86	6,565.94	6,430.12	135.82	48.343		
17,500.00	7,082.91	7,068.54	7,068.14	305.01	30.18	-90.36	-2,326.98	-3,062.86	6,660.31	6,524.91	135.40	49.189		
17,600.00	7,083.14	7,069.03	7,068.63	307.85	30.18	-90.37	-2,326.99	-3,062.86	6,754.84	6,619.84	135.00	50.037		
17,700.00	7,083.37	7,069.52	7,069.12	310.69	30.19	-90.39	-2,326.99	-3,062.86	6,849.53	6,714.92	134.60	50.887		
17,800.00	7,083.60	7,070.01	7,069.61	313.53	30.19	-90.40	-2,327.00	-3,062.87	6,944.36	6,810.14	134.22	51.739		
17,900.00	7,083.84	7,070.50	7,070.10	316.37	30.19	-90.41	-2,327.00	-3,062.87	7,039.34	6,905.49	133.84	52.593		
18,000.00	7,084.07	7,070.99	7,070.59	319.21	30.19	-90.42	-2,327.00	-3,062.87	7,134.45	7,000.97	133.48	53.449		
18,100.00	7,084.30	7,071.48	7,071.07	322.05	30.19	-90.44	-2,327.01	-3,062.87	7,229.70	7,096.57	133.13	54.306		
18,200.00	7,084.53	7,071.97	7,071.56	324.89	30.20	-90.45	-2,327.01	-3,062.87	7,325.07	7,192.29	132.78	55.165		
18,300.00	7,084.76	7,072.46	7,072.05	327.73	30.20	-90.46	-2,327.02	-3,062.87	7,420.57	7,288.12	132.45	56.026		
18,400.00	7,084.99	7,072.95	7,072.54	330.57	30.20	-90.47	-2,327.02	-3,062.87	7,516.18	7,384.05	132.12	56.888		
18,500.00	7,085.22	7,073.43	7,073.03	333.41	30.20	-90.49	-2,327.02	-3,062.87	7,611.90	7,480.10	131.81	57.751		
18,600.00	7,085.45	7,073.92	7,073.52	336.26	30.20	-90.50	-2,327.03	-3,062.88	7,707.74	7,576.24	131.50	58.615		
18,700.00	7,085.68	7,074.41	7,074.01	339.10	30.21	-90.51	-2,327.03	-3,062.88	7,803.67	7,672.48	131.20	59.481		
18,800.00	7,085.91	7,074.90	7,074.50	341.94	30.21	-90.53	-2,327.03	-3,062.88	7,899.71	7,768.81	130.90	60.347		
18,839.14	7,086.00	7,075.09	7,074.69	343.06	30.21	-90.53	-2,327.04	-3,062.88	7,937.33	7,806.54	130.79	60.687		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5.51	5.51	3.28	3.28	-121.96	-1,058.61	-1,697.02	2,000.14					
100.00	100.00	115.77	115.77	3.28	3.29	-121.95	-1,058.31	-1,696.85	1,999.85	1,993.28	6.57	304.192		
200.00	200.00	213.85	213.84	3.34	3.35	-121.96	-1,058.22	-1,696.37	1,999.40	1,992.70	6.69	298.796		
300.00	300.00	310.56	310.56	3.44	3.46	-121.97	-1,058.38	-1,695.86	1,999.03	1,992.12	6.91	289.300		
309.23	309.23	319.35	319.35	3.46	3.48	142.52	-1,058.39	-1,695.82	1,999.02	1,992.08	6.93	288.272		
400.00	399.98	406.21	406.20	3.60	3.62	142.53	-1,058.63	-1,695.52	2,000.26	1,993.04	7.22	277.159		
500.00	499.84	508.99	508.99	3.80	3.82	142.56	-1,058.80	-1,695.26	2,004.28	1,996.66	7.62	263.003		
600.00	599.45	606.08	606.07	4.04	4.05	142.62	-1,058.79	-1,695.11	2,011.08	2,002.99	8.09	248.597		
700.00	698.70	693.41	693.41	4.31	4.28	142.69	-1,058.75	-1,695.37	2,021.03	2,012.43	8.60	235.124		
800.00	797.47	788.43	788.42	4.62	4.55	142.79	-1,058.91	-1,695.96	2,034.15	2,024.97	9.17	221.734		
900.00	895.62	893.84	893.83	4.97	4.88	142.95	-1,059.08	-1,696.52	2,050.00	2,040.17	9.83	208.494		
980.89	974.49	973.33	973.32	5.27	5.13	143.08	-1,058.93	-1,696.89	2,064.70	2,054.32	10.38	198.892		
1,000.00	993.07	991.94	991.92	5.34	5.19	143.15	-1,058.90	-1,696.97	2,068.39	2,057.87	10.52	196.705		
1,100.00	1,090.26	1,094.96	1,094.95	5.75	5.54	143.57	-1,058.84	-1,697.20	2,087.64	2,076.40	11.24	185.722		
1,200.00	1,187.45	1,184.43	1,184.42	6.17	5.85	143.91	-1,059.13	-1,697.23	2,106.99	2,095.04	11.95	176.365		
1,300.00	1,284.64	1,269.95	1,269.94	6.62	6.16	144.23	-1,059.64	-1,697.57	2,126.87	2,114.21	12.66	168.017		
1,400.00	1,381.83	1,364.36	1,364.34	7.07	6.51	144.59	-1,059.94	-1,698.55	2,147.25	2,133.83	13.42	159.985		
1,500.00	1,479.01	1,474.33	1,474.30	7.54	6.92	144.98	-1,060.79	-1,699.12	2,167.49	2,153.23	14.26	151.962		
1,600.00	1,576.20	1,586.57	1,586.54	8.02	7.34	145.36	-1,061.44	-1,698.87	2,187.08	2,171.95	15.13	144.551		
1,700.00	1,673.39	1,693.22	1,693.19	8.50	7.75	145.72	-1,061.81	-1,698.10	2,206.20	2,190.21	15.99	138.004		
1,800.00	1,770.58	1,769.04	1,769.01	8.99	8.05	145.98	-1,061.89	-1,697.86	2,225.63	2,208.91	16.72	133.106		
1,900.00	1,867.77	1,857.87	1,857.83	9.48	8.40	146.29	-1,062.01	-1,698.43	2,245.96	2,228.45	17.52	128.221		
2,000.00	1,964.96	1,958.04	1,958.00	9.98	8.79	146.62	-1,062.57	-1,698.81	2,266.35	2,247.98	18.37	123.381		
2,100.00	2,062.15	2,062.63	2,062.59	10.49	9.21	146.96	-1,063.09	-1,699.02	2,286.61	2,267.36	19.25	118.801		
2,200.00	2,159.34	2,160.52	2,160.48	10.99	9.60	147.27	-1,063.52	-1,699.22	2,306.65	2,286.55	20.10	114.753		
2,300.00	2,256.53	2,251.72	2,251.68	11.50	9.97	147.56	-1,063.58	-1,699.18	2,326.93	2,306.00	20.93	111.190		
2,400.00	2,353.71	2,348.46	2,348.42	12.01	10.36	147.86	-1,063.95	-1,699.54	2,347.49	2,325.71	21.78	107.764		
2,500.00	2,450.90	2,449.78	2,449.74	12.53	10.77	148.17	-1,064.45	-1,699.66	2,367.93	2,345.27	22.66	104.476		
2,600.00	2,548.09	2,549.08	2,549.04	13.04	11.18	148.46	-1,064.94	-1,699.68	2,388.34	2,364.80	23.54	101.461		
2,700.00	2,645.28	2,649.95	2,649.90	13.56	11.59	148.75	-1,065.32	-1,699.61	2,408.69	2,384.27	24.42	98.619		
2,800.00	2,742.47	2,745.48	2,745.44	14.08	11.98	149.02	-1,065.69	-1,699.42	2,428.99	2,403.70	25.28	96.065		
2,900.00	2,839.66	2,845.55	2,845.50	14.60	12.40	149.29	-1,066.41	-1,699.26	2,449.50	2,423.33	26.17	93.599		
3,000.00	2,936.85	2,946.90	2,946.84	15.12	12.82	149.56	-1,067.00	-1,698.71	2,469.66	2,442.60	27.06	91.254		
3,100.00	3,034.04	3,040.48	3,040.42	15.65	13.20	149.82	-1,067.35	-1,698.49	2,490.07	2,462.15	27.92	89.187		
3,200.00	3,131.22	3,135.53	3,135.47	16.17	13.60	150.07	-1,067.62	-1,698.27	2,510.50	2,481.72	28.78	87.218		
3,300.00	3,228.41	3,221.75	3,221.69	16.69	13.96	150.30	-1,067.92	-1,698.39	2,531.33	2,501.73	29.60	85.506		
3,400.00	3,325.60	3,313.12	3,313.07	17.22	14.34	150.55	-1,068.16	-1,698.89	2,552.54	2,522.09	30.45	83.824		
3,500.00	3,422.79	3,414.24	3,414.18	17.75	14.76	150.81	-1,068.66	-1,699.33	2,573.79	2,542.44	31.35	82.097		
3,600.00	3,519.98	3,509.71	3,509.65	18.27	15.16	151.05	-1,069.03	-1,699.73	2,595.04	2,562.82	32.22	80.539		
3,700.00	3,617.17	3,595.67	3,595.61	18.80	15.52	151.27	-1,069.39	-1,700.33	2,616.58	2,583.54	33.04	79.193		
3,800.00	3,714.36	3,701.69	3,701.62	19.33	15.96	151.52	-1,070.32	-1,700.94	2,638.24	2,604.27	33.97	77.665		
3,900.00	3,811.55	3,798.65	3,798.57	19.86	16.37	151.74	-1,071.44	-1,701.19	2,659.75	2,624.90	34.85	76.319		
4,000.00	3,908.74	3,887.24	3,887.15	20.39	16.74	151.94	-1,072.42	-1,701.59	2,681.45	2,645.77	35.69	75.141		
4,100.00	4,005.92	3,975.79	3,975.70	20.92	17.11	152.14	-1,073.16	-1,702.39	2,703.51	2,666.99	36.52	74.028		
4,200.00	4,103.11	4,070.02	4,069.93	21.45	17.51	152.37	-1,073.57	-1,703.62	2,725.83	2,688.44	37.39	72.910		
4,300.00	4,200.30	4,165.84	4,165.73	21.98	17.91	152.60	-1,073.89	-1,704.96	2,748.22	2,709.96	38.26	71.828		
4,400.00	4,297.49	4,287.67	4,287.55	22.51	18.42	152.90	-1,073.54	-1,706.56	2,770.41	2,731.13	39.28	70.525		
4,500.00	4,394.68	4,409.12	4,408.99	23.04	18.93	153.20	-1,072.13	-1,707.20	2,791.60	2,751.30	40.30	69.271		
4,600.00	4,491.87	4,518.12	4,517.99	23.57	19.39	153.46	-1,070.90	-1,706.96	2,812.15	2,770.90	41.25	68.178		
4,700.00	4,589.06	4,605.70	4,605.56	24.10	19.76	153.66	-1,070.36	-1,706.62	2,832.79	2,790.71	42.08	67.323		
4,800.00	4,686.25	4,699.35	4,699.21	24.64	20.15	153.87	-1,069.73	-1,706.51	2,853.68	2,810.74	42.94	66.454		
4,900.00	4,783.43	4,817.05	4,816.90	25.17	20.64	154.14	-1,068.55	-1,705.99	2,874.19	2,830.26	43.94	65.413		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,880.62	4,895.24	4,895.08	25.70	20.97	154.31	-1,068.13	-1,705.60	2,894.86	2,850.14	44.72	64.736		
5,100.00	4,977.81	5,014.38	5,014.23	26.23	21.47	154.56	-1,067.80	-1,704.87	2,915.56	2,869.84	45.73	63.762		
5,200.00	5,075.00	5,089.23	5,089.07	26.77	21.79	154.71	-1,067.40	-1,704.56	2,936.36	2,889.87	46.49	63.168		
5,300.00	5,172.19	5,178.96	5,178.80	27.30	22.17	154.90	-1,066.78	-1,704.62	2,957.61	2,910.29	47.33	62.492		
5,400.00	5,269.38	5,272.63	5,272.47	27.83	22.56	155.10	-1,066.09	-1,704.87	2,979.07	2,930.88	48.19	61.816		
5,457.75	5,325.51	5,327.36	5,327.19	28.14	22.79	155.22	-1,065.68	-1,705.06	2,991.52	2,942.83	48.70	61.433		
5,500.00	5,366.64	5,367.64	5,367.47	28.37	22.96	155.37	-1,065.39	-1,705.21	3,000.38	2,951.31	49.06	61.153		
5,600.00	5,464.53	5,460.29	5,460.12	28.87	23.35	155.70	-1,064.84	-1,705.60	3,019.22	2,969.31	49.91	60.494		
5,700.00	5,563.07	5,561.88	5,561.71	29.35	23.78	155.97	-1,064.36	-1,706.11	3,035.07	2,984.28	50.80	59.750		
5,800.00	5,662.15	5,657.69	5,657.52	29.80	24.19	156.19	-1,063.94	-1,706.43	3,047.63	2,996.00	51.64	59.022		
5,900.00	5,761.64	5,757.61	5,757.44	30.23	24.61	156.35	-1,063.49	-1,706.99	3,057.24	3,004.76	52.49	58.248		
6,000.00	5,861.42	5,861.90	5,861.72	30.64	25.05	156.47	-1,062.90	-1,707.39	3,063.46	3,010.11	53.35	57.421		
6,100.00	5,961.36	5,953.68	5,953.50	31.02	25.44	156.52	-1,062.55	-1,707.73	3,066.53	3,012.41	54.13	56.654		
6,138.64	6,000.00	5,987.08	5,986.90	31.16	25.58	-107.96	-1,062.47	-1,707.93	3,066.97	3,012.56	54.41	56.370		
6,200.00	6,061.36	6,074.16	6,073.98	31.38	25.95	-107.96	-1,062.34	-1,708.22	3,067.15	3,012.11	55.05	55.719		
6,287.78	6,149.14	6,154.25	6,154.07	31.69	26.29	-107.96	-1,062.26	-1,707.97	3,066.89	3,011.19	55.70	55.062		
6,300.00	6,161.36	6,163.51	6,163.33	31.74	26.33	-107.96	-1,062.26	-1,707.98	3,066.89	3,011.12	55.78	54.983		
6,400.00	6,261.36	6,243.35	6,243.17	32.10	26.67	-107.96	-1,062.45	-1,708.31	3,067.35	3,010.90	56.46	54.332		
6,500.00	6,361.36	6,325.67	6,325.48	32.46	27.02	-107.97	-1,063.13	-1,708.98	3,068.38	3,011.24	57.15	53.692		
6,562.02	6,423.38	6,374.99	6,374.80	32.68	27.23	-107.97	-1,063.54	-1,709.64	3,069.34	3,011.77	57.57	53.318		
6,600.00	6,461.34	6,406.89	6,406.69	32.82	27.36	-17.69	-1,063.76	-1,710.20	3,068.97	3,011.14	57.83	53.073		
6,650.00	6,511.08	6,459.48	6,459.28	32.99	27.59	-17.82	-1,063.84	-1,711.22	3,065.21	3,006.99	58.22	52.651		
6,700.00	6,560.29	6,511.61	6,511.39	33.17	27.81	-18.07	-1,063.50	-1,712.32	3,057.69	2,999.10	58.60	52.182		
6,750.00	6,608.64	6,558.99	6,558.75	33.36	28.01	-18.45	-1,062.94	-1,713.40	3,046.51	2,987.57	58.94	51.691		
6,800.00	6,655.86	6,616.52	6,616.26	33.56	28.26	-18.99	-1,062.01	-1,714.77	3,031.73	2,972.40	59.33	51.100		
6,850.00	6,701.64	6,650.00	6,649.74	33.78	28.25	-19.74	-1,060.64	-1,715.62	3,012.78	2,952.30	60.48	49.815		
6,900.00	6,745.71	6,749.84	6,749.55	34.01	28.82	-20.71	-1,059.31	-1,716.13	2,990.32	2,930.12	60.20	49.674		
6,950.00	6,787.79	6,785.60	6,785.30	34.27	28.97	-21.83	-1,058.76	-1,716.37	2,964.74	2,904.30	60.44	49.054		
7,000.00	6,827.62	6,824.02	6,823.71	34.56	29.14	-23.23	-1,058.27	-1,716.66	2,936.19	2,875.50	60.69	48.379		
7,050.00	6,864.96	6,863.19	6,862.88	34.87	29.30	-24.97	-1,057.73	-1,716.96	2,904.77	2,843.83	60.95	47.661		
7,100.00	6,899.58	6,899.55	6,899.23	35.21	29.46	-27.10	-1,057.18	-1,717.23	2,870.69	2,809.50	61.19	46.916		
7,150.00	6,931.26	6,938.04	6,937.71	35.60	29.62	-29.80	-1,056.50	-1,717.50	2,834.14	2,772.69	61.44	46.125		
7,200.00	6,959.81	6,972.70	6,972.36	36.02	29.77	-33.15	-1,055.80	-1,717.69	2,795.33	2,733.65	61.69	45.316		
7,250.00	6,985.06	7,003.26	7,002.92	36.47	29.90	-37.33	-1,055.12	-1,717.81	2,754.56	2,692.64	61.91	44.492		
7,300.00	7,006.84	7,025.49	7,025.14	36.97	29.99	-42.46	-1,054.60	-1,717.89	2,712.10	2,650.00	62.10	43.672		
7,350.00	7,025.02	7,044.43	7,044.08	37.51	30.07	-48.87	-1,054.16	-1,717.95	2,668.27	2,605.98	62.29	42.837		
7,400.00	7,039.49	7,059.52	7,059.16	38.09	30.14	-56.76	-1,053.81	-1,718.00	2,623.35	2,560.88	62.47	41.992		
7,450.00	7,050.17	7,070.67	7,070.31	38.70	30.19	-66.20	-1,053.55	-1,718.03	2,577.62	2,514.97	62.65	41.141		
7,500.00	7,056.98	7,077.82	7,077.46	39.33	30.22	-76.93	-1,053.38	-1,718.05	2,531.40	2,468.56	62.83	40.287		
7,550.00	7,059.89	7,080.94	7,080.58	39.99	30.23	-88.27	-1,053.31	-1,718.05	2,484.97	2,421.95	63.02	39.433		
7,560.55	7,060.00	7,081.08	7,080.72	40.13	30.23	-90.65	-1,053.31	-1,718.05	2,475.17	2,412.12	63.06	39.254		
7,600.00	7,060.09	7,081.28	7,080.92	40.67	30.23	-90.66	-1,053.30	-1,718.06	2,438.60	2,375.39	63.21	38.581		
7,700.00	7,060.32	7,081.77	7,081.40	42.14	30.23	-90.69	-1,053.29	-1,718.06	2,346.32	2,282.67	63.65	36.862		
7,800.00	7,060.55	7,082.25	7,081.89	43.75	30.23	-90.72	-1,053.28	-1,718.06	2,254.69	2,190.50	64.19	35.124		
7,900.00	7,060.78	7,082.74	7,082.38	45.48	30.24	-90.75	-1,053.27	-1,718.06	2,163.81	2,098.96	64.85	33.369		
8,000.00	7,061.01	7,083.22	7,082.86	47.33	30.24	-90.78	-1,053.26	-1,718.06	2,073.76	2,008.13	65.63	31.597		
8,100.00	7,061.24	7,083.70	7,083.34	49.27	30.24	-90.81	-1,053.25	-1,718.06	1,984.67	1,918.10	66.57	29.815		
8,200.00	7,061.47	7,084.19	7,083.82	51.29	30.24	-90.84	-1,053.23	-1,718.06	1,896.67	1,828.99	67.68	28.026		
8,300.00	7,061.70	7,084.67	7,084.30	53.40	30.24	-90.87	-1,053.22	-1,718.06	1,809.91	1,740.93	68.98	26.236		
8,400.00	7,061.93	7,085.14	7,084.78	55.57	30.25	-90.90	-1,053.21	-1,718.06	1,724.59	1,654.07	70.52	24.456		
8,500.00	7,062.16	7,085.62	7,085.26	57.80	30.25	-90.93	-1,053.20	-1,718.07	1,640.92	1,568.61	72.31	22.693		
8,600.00	7,062.39	7,086.10	7,085.73	60.08	30.25	-90.96	-1,053.19	-1,718.07	1,559.18	1,484.80	74.38	20.961		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,062.63	7,086.57	7,086.21	62.42	30.25	-90.99	-1,053.18	-1,718.07	1,479.69	1,402.91	76.77	19.273		
8,800.00	7,062.86	7,087.04	7,086.68	64.79	30.26	-91.02	-1,053.17	-1,718.07	1,402.82	1,323.31	79.51	17.643		
8,900.00	7,063.09	7,087.52	7,087.15	67.20	30.26	-91.05	-1,053.16	-1,718.07	1,329.03	1,246.42	82.61	16.087		
9,000.00	7,063.32	7,087.99	7,087.62	69.65	30.26	-91.08	-1,053.15	-1,718.07	1,258.87	1,172.77	86.10	14.621		
9,100.00	7,063.55	7,088.46	7,088.09	72.12	30.26	-91.11	-1,053.14	-1,718.07	1,192.97	1,103.00	89.97	13.260		
9,200.00	7,063.78	7,088.92	7,088.56	74.63	30.26	-91.14	-1,053.12	-1,718.07	1,132.08	1,037.89	94.19	12.019		
9,300.00	7,064.01	7,089.39	7,089.03	77.16	30.27	-91.17	-1,053.11	-1,718.08	1,077.04	978.34	98.70	10.912		
9,400.00	7,064.24	7,089.86	7,089.49	79.71	30.27	-91.19	-1,053.10	-1,718.08	1,028.80	925.40	103.40	9.950		
9,500.00	7,064.47	7,090.32	7,089.96	82.28	30.27	-91.22	-1,053.09	-1,718.08	988.36	880.24	108.12	9.141		
9,600.00	7,064.70	7,090.78	7,090.42	84.87	30.27	-91.25	-1,053.08	-1,718.08	956.70	844.04	112.66	8.492		
9,700.00	7,064.93	7,108.76	7,090.88	87.47	30.35	-91.28	-1,053.07	-1,718.08	934.72	817.87	116.85	7.999		
9,800.00	7,065.16	7,108.31	7,091.32	90.09	30.35	-91.31	-1,053.06	-1,718.08	923.10	802.80	120.30	7.673		
9,857.90	7,065.29	7,108.05	7,091.58	91.62	30.34	-91.32	-1,053.05	-1,718.08	921.29	799.37	121.92	7.557 CC		
9,900.00	7,065.39	7,107.86	7,091.77	92.73	30.34	-91.34	-1,053.05	-1,718.08	922.25	799.36	122.89	7.505 ES		
10,000.00	7,065.62	7,107.41	7,092.22	95.38	30.34	-91.36	-1,053.04	-1,718.08	932.18	807.66	124.52	7.486 SF		
10,100.00	7,065.85	7,106.97	7,092.67	98.04	30.34	-91.39	-1,053.03	-1,718.08	952.57	827.38	125.18	7.610		
10,200.00	7,066.08	7,106.52	7,093.12	100.71	30.34	-91.42	-1,053.02	-1,718.09	982.75	857.78	124.97	7.864		
10,300.00	7,066.31	7,106.07	7,093.57	103.39	30.34	-91.45	-1,053.01	-1,718.09	1,021.87	897.83	124.04	8.238		
10,400.00	7,066.54	7,105.62	7,094.02	106.08	30.33	-91.48	-1,053.00	-1,718.09	1,068.94	946.36	122.58	8.720		
10,500.00	7,066.77	7,105.17	7,094.46	108.78	30.33	-91.50	-1,052.99	-1,718.09	1,122.97	1,002.22	120.75	9.300		
10,600.00	7,067.01	7,104.72	7,094.91	111.48	30.33	-91.53	-1,052.98	-1,718.09	1,182.99	1,064.29	118.70	9.966		
10,700.00	7,067.24	7,104.27	7,095.36	114.20	30.33	-91.56	-1,052.97	-1,718.09	1,248.15	1,131.60	116.55	10.709		
10,800.00	7,067.47	7,103.83	7,095.81	116.92	30.33	-91.59	-1,052.96	-1,718.09	1,317.69	1,203.30	114.39	11.519		
10,900.00	7,067.70	7,103.38	7,096.26	119.65	30.32	-91.61	-1,052.95	-1,718.09	1,390.94	1,278.68	112.26	12.390		
11,000.00	7,067.93	7,102.93	7,096.71	122.38	30.32	-91.64	-1,052.94	-1,718.09	1,467.36	1,357.14	110.22	13.313		
11,100.00	7,068.16	7,102.48	7,097.16	125.12	30.32	-91.67	-1,052.93	-1,718.10	1,546.46	1,438.19	108.27	14.283		
11,200.00	7,068.39	7,102.03	7,097.60	127.86	30.32	-91.70	-1,052.92	-1,718.10	1,627.87	1,521.43	106.44	15.293		
11,300.00	7,068.62	7,101.58	7,098.05	130.61	30.32	-91.73	-1,052.91	-1,718.10	1,711.25	1,606.52	104.73	16.340		
11,400.00	7,068.85	7,101.13	7,098.50	133.37	30.31	-91.75	-1,052.90	-1,718.10	1,796.33	1,693.20	103.12	17.419		
11,500.00	7,069.08	7,100.68	7,098.95	136.12	30.31	-91.78	-1,052.88	-1,718.10	1,882.87	1,781.24	101.63	18.526		
11,600.00	7,069.31	7,100.24	7,099.40	138.89	30.31	-91.81	-1,052.87	-1,718.10	1,970.69	1,870.44	100.25	19.658		
11,700.00	7,069.54	7,100.21	7,099.85	141.65	30.31	-91.84	-1,052.86	-1,718.10	2,059.62	1,960.66	98.96	20.812		
11,800.00	7,069.77	7,100.66	7,100.30	144.42	30.31	-91.87	-1,052.85	-1,718.10	2,149.52	2,051.75	97.77	21.985		
11,900.00	7,070.00	7,101.11	7,100.74	147.19	30.31	-91.89	-1,052.84	-1,718.10	2,240.28	2,143.61	96.67	23.176		
12,000.00	7,070.23	7,101.56	7,101.19	149.97	30.32	-91.92	-1,052.83	-1,718.10	2,331.79	2,236.16	95.64	24.381		
12,100.00	7,070.46	7,102.01	7,101.64	152.75	30.32	-91.95	-1,052.82	-1,718.11	2,423.98	2,329.30	94.68	25.601		
12,200.00	7,070.69	7,102.46	7,102.09	155.53	30.32	-91.98	-1,052.81	-1,718.11	2,516.76	2,422.97	93.80	26.832		
12,300.00	7,070.92	7,102.91	7,102.54	158.32	30.32	-92.01	-1,052.80	-1,718.11	2,610.08	2,517.11	92.97	28.075		
12,400.00	7,071.16	7,103.35	7,102.99	161.10	30.32	-92.03	-1,052.79	-1,718.11	2,703.87	2,611.67	92.20	29.327		
12,500.00	7,071.39	7,103.80	7,103.44	163.89	30.33	-92.06	-1,052.78	-1,718.11	2,798.09	2,706.61	91.48	30.587		
12,600.00	7,071.62	7,104.25	7,103.88	166.69	30.33	-92.09	-1,052.77	-1,718.11	2,892.70	2,801.89	90.81	31.855		
12,700.00	7,071.85	7,104.70	7,104.33	169.48	30.33	-92.12	-1,052.76	-1,718.11	2,987.66	2,897.48	90.18	33.130		
12,800.00	7,072.08	7,105.15	7,104.78	172.28	30.33	-92.15	-1,052.75	-1,718.11	3,082.94	2,993.35	89.59	34.410		
12,900.00	7,072.31	7,105.60	7,105.23	175.08	30.33	-92.17	-1,052.74	-1,718.11	3,178.51	3,089.47	89.04	35.696		
13,000.00	7,072.54	7,106.05	7,105.68	177.88	30.34	-92.20	-1,052.73	-1,718.11	3,274.35	3,185.82	88.53	36.986		
13,100.00	7,072.77	7,106.49	7,106.13	180.68	30.34	-92.23	-1,052.72	-1,718.12	3,370.42	3,282.38	88.05	38.280		
13,200.00	7,073.00	7,106.94	7,106.58	183.48	30.34	-92.26	-1,052.71	-1,718.12	3,466.72	3,379.13	87.59	39.578		
13,300.00	7,073.23	7,107.39	7,107.02	186.29	30.34	-92.28	-1,052.70	-1,718.12	3,563.23	3,476.06	87.17	40.879		
13,400.00	7,073.46	7,107.84	7,107.47	189.09	30.34	-92.31	-1,052.69	-1,718.12	3,659.92	3,573.15	86.76	42.182		
13,500.00	7,073.69	7,108.29	7,107.92	191.90	30.35	-92.34	-1,052.68	-1,718.12	3,756.78	3,670.39	86.39	43.487		
13,600.00	7,073.92	7,108.74	7,108.37	194.71	30.35	-92.37	-1,052.67	-1,718.12	3,853.80	3,767.77	86.03	44.794		
13,700.00	7,074.15	7,109.19	7,108.82	197.52	30.35	-92.40	-1,052.66	-1,718.12	3,950.97	3,865.28	85.70	46.103		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,109.64	7,109.27	200.34	30.35	-92.42	-1,052.65	-1,718.12	4,048.28	3,962.90	85.38	47.413		
13,900.00	7,074.61	7,110.08	7,109.72	203.15	30.35	-92.45	-1,052.64	-1,718.12	4,145.72	4,060.63	85.09	48.723		
14,000.00	7,074.84	7,110.53	7,110.16	205.97	30.35	-92.48	-1,052.63	-1,718.12	4,243.28	4,158.47	84.81	50.035		
14,100.00	7,075.07	7,110.98	7,110.61	208.78	30.36	-92.51	-1,052.62	-1,718.13	4,340.95	4,256.40	84.54	51.346		
14,200.00	7,075.30	7,111.43	7,111.06	211.60	30.36	-92.54	-1,052.60	-1,718.13	4,438.72	4,354.42	84.29	52.658		
14,300.00	7,075.54	7,111.88	7,111.51	214.42	30.36	-92.56	-1,052.59	-1,718.13	4,536.59	4,452.53	84.06	53.969		
14,400.00	7,075.77	7,112.33	7,111.96	217.24	30.36	-92.59	-1,052.58	-1,718.13	4,634.55	4,550.71	83.84	55.281		
14,500.00	7,076.00	7,112.78	7,112.41	220.06	30.36	-92.62	-1,052.57	-1,718.13	4,732.59	4,648.96	83.63	56.591		
14,600.00	7,076.23	7,113.22	7,112.86	222.88	30.37	-92.65	-1,052.56	-1,718.13	4,830.72	4,747.29	83.43	57.902		
14,700.00	7,076.46	7,113.67	7,113.30	225.70	30.37	-92.68	-1,052.55	-1,718.13	4,928.92	4,845.67	83.24	59.211		
14,800.00	7,076.69	7,114.12	7,113.75	228.53	30.37	-92.70	-1,052.54	-1,718.13	5,027.19	4,944.12	83.07	60.520		
14,900.00	7,076.92	7,114.57	7,114.20	231.35	30.37	-92.73	-1,052.53	-1,718.13	5,125.53	5,042.63	82.90	61.827		
15,000.00	7,077.15	7,115.02	7,114.65	234.18	30.37	-92.76	-1,052.52	-1,718.14	5,223.93	5,141.18	82.74	63.133		
15,100.00	7,077.38	7,115.47	7,115.10	237.00	30.38	-92.79	-1,052.51	-1,718.14	5,322.39	5,239.79	82.60	64.438		
15,200.00	7,077.61	7,115.92	7,115.55	239.83	30.38	-92.81	-1,052.50	-1,718.14	5,420.91	5,338.45	82.46	65.741		
15,300.00	7,077.84	7,116.37	7,116.00	242.66	30.38	-92.84	-1,052.49	-1,718.14	5,519.48	5,437.15	82.33	67.043		
15,400.00	7,078.07	7,116.81	7,116.44	245.49	30.38	-92.87	-1,052.48	-1,718.14	5,618.10	5,535.89	82.20	68.343		
15,500.00	7,078.30	7,117.26	7,116.89	248.31	30.38	-92.90	-1,052.47	-1,718.14	5,716.77	5,634.68	82.09	69.642		
15,600.00	7,078.53	7,117.71	7,117.34	251.14	30.39	-92.93	-1,052.46	-1,718.14	5,815.48	5,733.50	81.98	70.938		
15,700.00	7,078.76	7,118.16	7,117.79	253.97	30.39	-92.95	-1,052.45	-1,718.14	5,914.24	5,832.36	81.88	72.233		
15,800.00	7,078.99	7,118.61	7,118.24	256.80	30.39	-92.98	-1,052.44	-1,718.14	6,013.04	5,931.25	81.78	73.525		
15,900.00	7,079.22	7,119.06	7,118.69	259.64	30.39	-93.01	-1,052.43	-1,718.14	6,111.87	6,030.18	81.69	74.815		
16,000.00	7,079.45	7,119.51	7,119.14	262.47	30.39	-93.04	-1,052.42	-1,718.15	6,210.75	6,129.14	81.61	76.104		
16,100.00	7,079.69	7,119.96	7,119.58	265.30	30.40	-93.07	-1,052.41	-1,718.15	6,309.66	6,228.13	81.53	77.389		
16,200.00	7,079.92	7,120.40	7,120.03	268.13	30.40	-93.09	-1,052.40	-1,718.15	6,408.60	6,327.14	81.46	78.673		
16,300.00	7,080.15	7,120.85	7,120.48	270.97	30.40	-93.12	-1,052.39	-1,718.15	6,507.58	6,426.19	81.39	79.954		
16,400.00	7,080.38	7,121.30	7,120.93	273.80	30.40	-93.15	-1,052.38	-1,718.15	6,606.58	6,525.26	81.33	81.232		
16,500.00	7,080.61	7,121.75	7,121.38	276.64	30.40	-93.18	-1,052.37	-1,718.15	6,705.62	6,624.35	81.27	82.508		
16,600.00	7,080.84	7,122.20	7,121.83	279.47	30.40	-93.20	-1,052.36	-1,718.15	6,804.69	6,723.47	81.22	83.782		
16,700.00	7,081.07	7,122.65	7,122.27	282.31	30.41	-93.23	-1,052.35	-1,718.15	6,903.78	6,822.61	81.17	85.053		
16,800.00	7,081.30	7,123.10	7,122.72	285.14	30.41	-93.26	-1,052.34	-1,718.15	7,002.89	6,921.77	81.13	86.321		
16,900.00	7,081.53	7,123.54	7,123.17	287.98	30.41	-93.29	-1,052.33	-1,718.15	7,102.04	7,020.95	81.09	87.586		
17,000.00	7,081.76	7,123.99	7,123.62	290.82	30.41	-93.32	-1,052.31	-1,718.16	7,201.20	7,120.15	81.05	88.848		
17,100.00	7,081.99	7,124.44	7,124.07	293.65	30.41	-93.34	-1,052.30	-1,718.16	7,300.39	7,219.37	81.02	90.108		
17,200.00	7,082.22	7,124.89	7,124.52	296.49	30.42	-93.37	-1,052.29	-1,718.16	7,399.60	7,318.61	80.99	91.364		
17,300.00	7,082.45	7,125.34	7,124.97	299.33	30.42	-93.40	-1,052.28	-1,718.16	7,498.83	7,417.87	80.97	92.618		
17,400.00	7,082.68	7,125.79	7,125.41	302.17	30.42	-93.43	-1,052.27	-1,718.16	7,598.08	7,517.14	80.94	93.868		
17,500.00	7,082.91	7,126.24	7,125.86	305.01	30.42	-93.46	-1,052.26	-1,718.16	7,697.35	7,616.43	80.93	95.116		
17,600.00	7,083.14	7,126.69	7,126.31	307.85	30.42	-93.48	-1,052.25	-1,718.16	7,796.64	7,715.73	80.91	96.360		
17,700.00	7,083.37	7,127.13	7,126.76	310.69	30.43	-93.51	-1,052.24	-1,718.16	7,895.95	7,815.05	80.90	97.602		
17,800.00	7,083.60	7,127.58	7,127.21	313.53	30.43	-93.54	-1,052.23	-1,718.16	7,995.28	7,914.38	80.89	98.840		
17,900.00	7,083.84	7,128.03	7,127.66	316.37	30.43	-93.57	-1,052.22	-1,718.17	8,094.62	8,013.73	80.89	100.075		
18,000.00	7,084.07	7,128.48	7,128.11	319.21	30.43	-93.59	-1,052.21	-1,718.17	8,193.97	8,113.09	80.88	101.307		
18,100.00	7,084.30	7,128.93	7,128.55	322.05	30.43	-93.62	-1,052.20	-1,718.17	8,293.35	8,212.46	80.88	102.535		
18,200.00	7,084.53	7,129.38	7,129.00	324.89	30.44	-93.65	-1,052.19	-1,718.17	8,392.73	8,311.85	80.89	103.760		
18,300.00	7,084.76	7,129.83	7,129.45	327.73	30.44	-93.68	-1,052.18	-1,718.17	8,492.14	8,411.24	80.89	104.982		
18,400.00	7,084.99	7,130.27	7,129.90	330.57	30.44	-93.71	-1,052.17	-1,718.17	8,591.55	8,510.65	80.90	106.200		
18,500.00	7,085.22	7,130.72	7,130.35	333.41	30.44	-93.73	-1,052.16	-1,718.17	8,690.98	8,610.07	80.91	107.416		
18,600.00	7,085.45	7,131.17	7,130.80	336.26	30.44	-93.76	-1,052.15	-1,718.17	8,790.42	8,709.50	80.92	108.627		
18,700.00	7,085.68	7,131.62	7,131.25	339.10	30.44	-93.79	-1,052.14	-1,718.17	8,889.88	8,808.94	80.94	109.835		
18,800.00	7,085.91	7,132.07	7,131.69	341.94	30.45	-93.82	-1,052.13	-1,718.17	8,989.34	8,908.39	80.96	111.040		
18,839.14	7,086.00	7,132.25	7,131.87	343.06	30.45	-93.83	-1,052.12	-1,718.18	9,028.28	8,947.32	80.96	111.511		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-138.35	-829.51	-737.82	1,110.33					
100.00	100.00	81.00	81.00	3.28	3.57	-138.35	-829.51	-737.82	1,110.17	1,103.31	6.86	161.915		
200.00	200.00	181.00	181.00	3.34	5.63	-138.35	-829.51	-737.82	1,110.17	1,101.20	8.96	123.835		
300.00	300.00	281.00	281.00	3.44	8.71	-138.35	-829.51	-737.82	1,110.17	1,098.02	12.15	91.367		
400.00	399.98	380.98	380.98	3.60	12.01	126.20	-829.51	-737.82	1,111.20	1,095.59	15.61	71.183		
500.00	499.84	480.84	480.84	3.80	15.39	126.37	-829.51	-737.82	1,114.30	1,095.11	19.19	58.065		
600.00	599.45	580.45	580.45	4.04	18.81	126.64	-829.51	-737.82	1,119.49	1,096.65	22.84	49.011		
700.00	698.70	679.70	679.70	4.31	22.23	127.02	-829.51	-737.82	1,126.83	1,100.30	26.54	42.461		
800.00	797.47	778.47	778.47	4.62	25.64	127.49	-829.51	-737.82	1,136.38	1,106.12	30.26	37.550		
900.00	895.62	876.62	876.62	4.97	29.04	128.05	-829.51	-737.82	1,148.20	1,114.20	34.01	33.765		
980.89	974.49	955.49	955.49	5.27	31.78	128.56	-829.51	-737.82	1,159.49	1,122.45	37.04	31.303		
1,000.00	993.07	974.07	974.07	5.34	32.43	128.73	-829.51	-737.82	1,162.35	1,124.59	37.76	30.783		
1,100.00	1,090.26	1,071.26	1,071.26	5.75	35.80	129.61	-829.51	-737.82	1,177.47	1,135.95	41.53	28.355		
1,200.00	1,187.45	1,168.45	1,168.45	6.17	39.18	130.47	-829.51	-737.82	1,192.87	1,147.56	45.31	26.326		
1,300.00	1,284.64	1,265.64	1,265.64	6.62	42.56	131.30	-829.51	-737.82	1,208.53	1,159.42	49.11	24.606		
1,400.00	1,381.83	1,362.83	1,362.83	7.07	45.95	132.12	-829.51	-737.82	1,224.45	1,171.52	52.93	23.134		
1,500.00	1,479.01	1,460.01	1,460.01	7.54	49.33	132.91	-829.51	-737.82	1,240.60	1,183.85	56.75	21.859		
1,600.00	1,576.20	1,557.20	1,557.20	8.02	52.72	133.69	-829.51	-737.82	1,256.99	1,196.41	60.59	20.747		
1,700.00	1,673.39	1,654.39	1,654.39	8.50	56.11	134.44	-829.51	-737.82	1,273.61	1,209.18	64.43	19.769		
1,800.00	1,770.58	1,751.58	1,751.58	8.99	59.49	135.18	-829.51	-737.82	1,290.43	1,222.17	68.27	18.902		
1,900.00	1,867.77	1,848.77	1,848.77	9.48	62.88	135.89	-829.51	-737.82	1,307.47	1,235.35	72.12	18.130		
2,000.00	1,964.96	1,945.96	1,945.96	9.98	66.27	136.59	-829.51	-737.82	1,324.71	1,248.74	75.97	17.437		
2,100.00	2,062.15	2,043.15	2,043.15	10.49	69.66	137.28	-829.51	-737.82	1,342.14	1,262.31	79.82	16.814		
2,200.00	2,159.34	2,140.34	2,140.34	10.99	73.05	137.94	-829.51	-737.82	1,359.75	1,276.07	83.68	16.249		
2,300.00	2,256.53	2,237.53	2,237.53	11.50	76.44	138.59	-829.51	-737.82	1,377.54	1,290.00	87.54	15.736		
2,400.00	2,353.71	2,334.71	2,334.71	12.01	79.83	139.22	-829.51	-737.82	1,395.50	1,304.10	91.40	15.268		
2,500.00	2,450.90	2,431.90	2,431.90	12.53	83.22	139.84	-829.51	-737.82	1,413.62	1,318.36	95.26	14.840		
2,600.00	2,548.09	2,529.09	2,529.09	13.04	86.61	140.44	-829.51	-737.82	1,431.90	1,332.78	99.12	14.446		
2,700.00	2,645.28	2,626.28	2,626.28	13.56	90.00	141.02	-829.51	-737.82	1,450.34	1,347.35	102.98	14.083		
2,800.00	2,742.47	2,723.47	2,723.47	14.08	93.39	141.59	-829.51	-737.82	1,468.92	1,362.07	106.85	13.748		
2,900.00	2,839.66	2,820.66	2,820.66	14.60	96.78	142.15	-829.51	-737.82	1,487.64	1,376.92	110.71	13.437		
3,000.00	2,936.85	2,917.85	2,917.85	15.12	100.17	142.70	-829.51	-737.82	1,506.49	1,391.91	114.58	13.148		
3,100.00	3,034.04	3,015.04	3,015.04	15.65	103.56	143.23	-829.51	-737.82	1,525.48	1,407.04	118.44	12.880		
3,200.00	3,131.22	3,112.22	3,112.22	16.17	106.95	143.74	-829.51	-737.82	1,544.59	1,422.28	122.31	12.629		
3,300.00	3,228.41	3,209.41	3,209.41	16.69	110.34	144.25	-829.51	-737.82	1,563.82	1,437.65	126.17	12.395		
3,400.00	3,325.60	3,306.60	3,306.60	17.22	113.74	144.74	-829.51	-737.82	1,583.17	1,453.13	130.04	12.175		
3,500.00	3,422.79	3,403.79	3,403.79	17.75	117.13	145.22	-829.51	-737.82	1,602.63	1,468.73	133.90	11.969		
3,600.00	3,519.98	3,500.98	3,500.98	18.27	120.52	145.69	-829.51	-737.82	1,622.20	1,484.43	137.77	11.775		
3,700.00	3,617.17	3,601.83	3,598.17	18.80	124.04	146.15	-829.51	-737.82	1,641.87	1,500.11	141.76	11.582		
3,800.00	3,714.36	3,704.64	3,695.36	19.33	127.63	146.60	-829.51	-737.82	1,661.65	1,515.83	145.82	11.395		
3,900.00	3,811.55	3,807.45	3,792.55	19.86	131.21	147.04	-829.51	-737.82	1,681.52	1,531.64	149.88	11.219		
4,000.00	3,908.74	3,889.74	3,889.74	20.39	134.09	147.47	-829.51	-737.82	1,701.48	1,548.26	153.23	11.104		
4,100.00	4,005.92	3,986.92	3,986.92	20.92	137.48	147.89	-829.51	-737.82	1,721.54	1,564.45	157.09	10.959		
4,200.00	4,103.11	4,084.11	4,084.11	21.45	140.87	148.29	-829.51	-737.82	1,741.68	1,580.72	160.96	10.821		
4,300.00	4,200.30	4,181.30	4,181.30	21.98	144.26	148.69	-829.51	-737.82	1,761.91	1,597.09	164.82	10.690		
4,400.00	4,297.49	4,278.49	4,278.49	22.51	147.65	149.08	-829.51	-737.82	1,782.22	1,613.53	168.69	10.565		
4,500.00	4,394.68	4,375.68	4,375.68	23.04	151.05	149.47	-829.51	-737.82	1,802.60	1,630.05	172.55	10.447		
4,600.00	4,491.87	4,472.87	4,472.87	23.57	154.44	149.84	-829.51	-737.82	1,823.07	1,646.65	176.42	10.334		
4,700.00	4,589.06	4,570.06	4,570.06	24.10	157.83	150.20	-829.51	-737.82	1,843.60	1,663.32	180.28	10.226		
4,800.00	4,686.25	4,667.25	4,667.25	24.64	161.22	150.56	-829.51	-737.82	1,864.21	1,680.07	184.14	10.124		
4,900.00	4,783.43	4,764.43	4,764.43	25.17	164.61	150.91	-829.51	-737.82	1,884.89	1,696.88	188.01	10.026		
5,000.00	4,880.62	4,861.62	4,861.62	25.70	168.01	151.25	-829.51	-737.82	1,905.63	1,713.76	191.87	9.932		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,958.81	4,958.81	26.23	171.40	151.59	-829.51	-737.82	1,926.44	1,730.70	195.74	9.842		
5,200.00	5,075.00	5,056.00	5,056.00	26.77	174.79	151.91	-829.51	-737.82	1,947.31	1,747.71	199.60	9.756		
5,300.00	5,172.19	5,153.19	5,153.19	27.30	178.18	152.24	-829.51	-737.82	1,968.24	1,764.78	203.46	9.674		
5,400.00	5,269.38	5,250.38	5,250.38	27.83	181.58	152.55	-829.51	-737.82	1,989.23	1,781.90	207.33	9.595		
5,457.75	5,325.51	5,306.51	5,306.51	28.14	183.53	152.73	-829.51	-737.82	2,001.38	1,791.82	209.56	9.550		
5,500.00	5,366.64	5,347.64	5,347.64	28.37	184.97	152.93	-829.51	-737.82	2,010.00	1,798.81	211.19	9.517		
5,600.00	5,464.53	5,445.53	5,445.53	28.87	188.39	153.36	-829.51	-737.82	2,028.29	1,813.21	215.07	9.431		
5,700.00	5,563.07	5,544.07	5,544.07	29.35	191.83	153.71	-829.51	-737.82	2,043.52	1,824.56	218.96	9.333		
5,800.00	5,662.15	5,643.15	5,643.15	29.80	195.28	153.99	-829.51	-737.82	2,055.69	1,832.83	222.85	9.224		
5,900.00	5,761.64	5,742.64	5,742.64	30.23	198.76	154.19	-829.51	-737.82	2,064.74	1,837.99	226.75	9.106		
6,000.00	5,861.42	5,842.42	5,842.42	30.64	202.24	154.32	-829.51	-737.82	2,070.67	1,840.02	230.65	8.978		
6,100.00	5,961.36	5,942.36	5,942.36	31.02	205.73	154.38	-829.51	-737.82	2,073.46	1,838.92	234.54	8.841		
6,138.64	6,000.00	5,981.00	5,981.00	31.16	207.08	-110.11	-829.51	-737.82	2,073.69	1,837.66	236.03	8.786		
6,200.00	6,061.36	6,042.36	6,042.36	31.38	209.22	-110.11	-829.51	-737.82	2,073.69	1,835.29	238.40	8.698		
6,300.00	6,161.36	6,142.36	6,142.36	31.74	212.71	-110.11	-829.51	-737.82	2,073.69	1,831.43	242.26	8.560		
6,400.00	6,261.36	6,242.36	6,242.36	32.10	216.20	-110.11	-829.51	-737.82	2,073.69	1,827.57	246.13	8.425		
6,500.00	6,361.36	6,342.36	6,342.36	32.46	219.69	-110.11	-829.51	-737.82	2,073.69	1,823.70	249.99	8.295		
6,562.02	6,423.38	6,404.38	6,404.38	32.68	221.86	-110.11	-829.51	-737.82	2,073.69	1,821.31	252.39	8.216		
6,600.00	6,461.34	6,442.34	6,442.34	32.82	223.18	-19.85	-829.51	-737.82	2,072.63	1,818.78	253.85	8.165		
6,650.00	6,511.08	6,507.92	6,492.08	32.99	225.47	-20.04	-829.51	-737.82	2,067.98	1,811.68	256.30	8.069		
6,700.00	6,560.29	6,541.29	6,541.29	33.17	226.63	-20.39	-829.51	-737.82	2,059.69	1,802.06	257.62	7.995		
6,750.00	6,608.64	6,589.64	6,589.64	33.36	228.32	-20.90	-829.51	-737.82	2,047.79	1,788.34	259.46	7.893		
6,800.00	6,655.86	6,636.86	6,636.86	33.56	229.97	-21.59	-829.51	-737.82	2,032.38	1,771.14	261.24	7.780		
6,850.00	6,701.64	6,682.64	6,682.64	33.78	231.57	-22.49	-829.51	-737.82	2,013.57	1,750.60	262.96	7.657		
6,900.00	6,745.71	6,726.71	6,726.71	34.01	233.11	-23.62	-829.51	-737.82	1,991.47	1,726.85	264.62	7.526		
6,950.00	6,787.79	6,768.79	6,768.79	34.27	234.58	-25.01	-829.51	-737.82	1,966.24	1,700.04	266.20	7.386		
7,000.00	6,827.62	6,808.62	6,808.62	34.56	235.97	-26.73	-829.51	-737.82	1,938.07	1,670.37	267.70	7.240		
7,050.00	6,864.96	6,845.96	6,845.96	34.87	237.27	-28.82	-829.51	-737.82	1,907.14	1,638.02	269.12	7.087		
7,100.00	6,899.58	6,880.58	6,880.58	35.21	238.48	-31.36	-829.51	-737.82	1,873.66	1,603.22	270.43	6.928		
7,150.00	6,931.26	6,912.26	6,912.26	35.60	239.58	-34.46	-829.51	-737.82	1,837.87	1,566.22	271.66	6.765		
7,200.00	6,959.81	6,940.81	6,940.81	36.02	240.58	-38.22	-829.51	-737.82	1,800.03	1,527.25	272.78	6.599		
7,250.00	6,985.06	6,966.06	6,966.06	36.47	241.46	-42.76	-829.51	-737.82	1,760.39	1,486.59	273.80	6.430		
7,300.00	7,006.84	6,987.84	6,987.84	36.97	242.22	-48.22	-829.51	-737.82	1,719.23	1,444.52	274.71	6.258		
7,350.00	7,025.02	7,006.02	7,006.02	37.51	242.86	-54.69	-829.51	-737.82	1,676.84	1,401.32	275.52	6.086		
7,400.00	7,039.49	7,020.49	7,020.49	38.09	243.36	-62.15	-829.51	-737.82	1,633.52	1,357.29	276.23	5.914		
7,450.00	7,050.17	7,031.17	7,031.17	38.70	243.74	-70.44	-829.51	-737.82	1,589.57	1,312.74	276.83	5.742		
7,500.00	7,056.98	7,037.98	7,037.98	39.33	243.97	-79.21	-829.51	-737.82	1,545.31	1,267.97	277.34	5.572		
7,550.00	7,059.89	7,040.89	7,040.89	39.99	244.07	-87.96	-829.51	-737.82	1,501.03	1,223.30	277.74	5.405		
7,560.55	7,060.00	7,041.00	7,041.00	40.13	244.08	-89.75	-829.51	-737.82	1,491.72	1,213.91	277.81	5.370		
7,600.00	7,060.09	7,041.09	7,041.09	40.67	244.08	-89.76	-829.51	-737.82	1,457.04	1,178.95	278.08	5.240		
7,700.00	7,060.32	7,041.32	7,041.32	42.14	244.09	-89.78	-829.51	-737.82	1,370.28	1,091.37	278.92	4.913		
7,800.00	7,060.55	7,041.55	7,041.55	43.75	244.10	-89.80	-829.51	-737.82	1,285.45	1,005.48	279.97	4.591		
7,900.00	7,060.78	7,041.78	7,041.78	45.48	244.11	-89.82	-829.51	-737.82	1,202.96	921.65	281.31	4.276		
8,000.00	7,061.01	7,042.01	7,042.01	47.33	244.11	-89.84	-829.51	-737.82	1,123.31	840.33	282.98	3.970		
8,100.00	7,061.24	7,042.24	7,042.24	49.27	244.12	-89.85	-829.51	-737.82	1,047.16	762.13	285.03	3.674		
8,200.00	7,061.47	7,042.47	7,042.47	51.29	244.13	-89.87	-829.51	-737.82	975.32	687.80	287.52	3.392		
8,300.00	7,061.70	7,042.70	7,042.70	53.40	244.14	-89.89	-829.51	-737.82	908.83	618.35	290.48	3.129		
8,400.00	7,061.93	7,042.93	7,042.93	55.57	244.15	-89.91	-829.51	-737.82	848.93	555.05	293.88	2.889		
8,500.00	7,062.16	7,043.16	7,043.16	57.80	244.15	-89.93	-829.51	-737.82	797.12	499.47	297.65	2.678		
8,600.00	7,062.39	7,043.39	7,043.39	60.08	244.16	-89.95	-829.51	-737.82	755.06	453.47	301.59	2.504		
8,700.00	7,062.63	7,043.63	7,043.63	62.42	244.17	-89.97	-829.51	-737.82	724.45	419.02	305.43	2.372		
8,800.00	7,062.86	7,043.86	7,043.86	64.79	244.18	-89.99	-829.51	-737.82	706.78	398.00	308.78	2.289		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,876.43	7,063.03	7,044.03	7,044.03	66.63	244.18	-90.00	-829.51	-737.82	702.64	391.83	310.81	2.261 CC		
8,900.00	7,063.09	7,044.09	7,044.09	67.20	244.19	-90.00	-829.51	-737.82	703.04	391.72	311.31	2.258 ES, SF		
9,000.00	7,063.32	7,044.32	7,044.32	69.65	244.19	-90.02	-829.51	-737.82	713.42	400.62	312.80	2.281		
9,100.00	7,063.55	7,044.55	7,044.55	72.12	244.20	-90.04	-829.51	-737.82	737.35	424.11	313.24	2.354		
9,200.00	7,063.78	7,044.78	7,044.78	74.63	244.21	-90.06	-829.51	-737.82	773.56	460.78	312.79	2.473		
9,300.00	7,064.01	7,045.01	7,045.01	77.16	244.22	-90.08	-829.51	-737.82	820.44	508.75	311.68	2.632		
9,400.00	7,064.24	7,045.24	7,045.24	79.71	244.23	-90.10	-829.51	-737.82	876.26	566.08	310.18	2.825		
9,500.00	7,064.47	7,045.47	7,045.47	82.28	244.23	-90.12	-829.51	-737.82	939.44	630.95	308.49	3.045		
9,600.00	7,064.70	7,045.70	7,045.70	84.87	244.24	-90.14	-829.51	-737.82	1,008.59	701.84	306.75	3.288		
9,700.00	7,064.93	7,045.93	7,045.93	87.47	244.25	-90.15	-829.51	-737.82	1,082.58	777.52	305.05	3.549		
9,800.00	7,065.16	7,046.16	7,046.16	90.09	244.26	-90.17	-829.51	-737.82	1,160.47	857.02	303.45	3.824		
9,900.00	7,065.39	7,046.39	7,046.39	92.73	244.27	-90.19	-829.51	-737.82	1,241.53	939.57	301.96	4.112		
10,000.00	7,065.62	7,046.62	7,046.62	95.38	244.27	-90.21	-829.51	-737.82	1,325.18	1,024.58	300.60	4.408		
10,100.00	7,065.85	7,046.85	7,046.85	98.04	244.28	-90.23	-829.51	-737.82	1,410.97	1,111.60	299.37	4.713		
10,200.00	7,066.08	7,047.08	7,047.08	100.71	244.29	-90.25	-829.51	-737.82	1,498.51	1,200.26	298.25	5.024		
10,300.00	7,066.31	7,047.31	7,047.31	103.39	244.30	-90.27	-829.51	-737.82	1,587.53	1,290.29	297.24	5.341		
10,400.00	7,066.54	7,047.54	7,047.54	106.08	244.31	-90.29	-829.51	-737.82	1,677.79	1,381.47	296.32	5.662		
10,500.00	7,066.77	7,047.77	7,047.77	108.78	244.31	-90.31	-829.51	-737.82	1,769.09	1,473.60	295.49	5.987		
10,600.00	7,067.01	7,048.01	7,048.01	111.48	244.32	-90.32	-829.51	-737.82	1,861.29	1,566.54	294.74	6.315		
10,700.00	7,067.24	7,048.24	7,048.24	114.20	244.33	-90.34	-829.51	-737.82	1,954.25	1,660.19	294.07	6.646		
10,800.00	7,067.47	7,048.47	7,048.47	116.92	244.34	-90.36	-829.51	-737.82	2,047.88	1,754.43	293.45	6.979		
10,900.00	7,067.70	7,048.70	7,048.70	119.65	244.35	-90.38	-829.51	-737.82	2,142.09	1,849.19	292.89	7.314		
11,000.00	7,067.93	7,048.93	7,048.93	122.38	244.36	-90.40	-829.51	-737.82	2,236.79	1,944.41	292.38	7.650		
11,100.00	7,068.16	7,049.16	7,049.16	125.12	244.36	-90.42	-829.51	-737.82	2,331.94	2,040.03	291.92	7.988		
11,200.00	7,068.39	7,049.39	7,049.39	127.86	244.37	-90.44	-829.51	-737.82	2,427.48	2,135.99	291.49	8.328		
11,300.00	7,068.62	7,049.62	7,049.62	130.61	244.38	-90.46	-829.51	-737.82	2,523.37	2,232.26	291.10	8.668		
11,400.00	7,068.85	7,049.85	7,049.85	133.37	244.39	-90.47	-829.51	-737.82	2,619.56	2,328.81	290.75	9.010		
11,500.00	7,069.08	7,050.08	7,050.08	136.12	244.40	-90.49	-829.51	-737.82	2,716.03	2,425.60	290.42	9.352		
11,600.00	7,069.31	7,050.31	7,050.31	138.89	244.40	-90.51	-829.51	-737.82	2,812.74	2,522.62	290.12	9.695		
11,700.00	7,069.54	7,050.54	7,050.54	141.65	244.41	-90.53	-829.51	-737.82	2,909.68	2,619.83	289.85	10.039		
11,800.00	7,069.77	7,050.77	7,050.77	144.42	244.42	-90.55	-829.51	-737.82	3,006.82	2,717.22	289.59	10.383		
11,900.00	7,070.00	7,051.00	7,051.00	147.19	244.43	-90.57	-829.51	-737.82	3,104.13	2,814.77	289.36	10.728		
12,000.00	7,070.23	7,051.23	7,051.23	149.97	244.44	-90.59	-829.51	-737.82	3,201.62	2,912.47	289.15	11.073		
12,100.00	7,070.46	7,051.46	7,051.46	152.75	244.44	-90.61	-829.51	-737.82	3,299.25	3,010.30	288.95	11.418		
12,200.00	7,070.69	7,051.69	7,051.69	155.53	244.45	-90.62	-829.51	-737.82	3,397.03	3,108.26	288.77	11.764		
12,300.00	7,070.92	7,051.92	7,051.92	158.32	244.46	-90.64	-829.51	-737.82	3,494.92	3,206.32	288.60	12.110		
12,400.00	7,071.16	7,052.16	7,052.16	161.10	244.47	-90.66	-829.51	-737.82	3,592.94	3,304.49	288.45	12.456		
12,500.00	7,071.39	7,052.39	7,052.39	163.89	244.48	-90.68	-829.51	-737.82	3,691.06	3,402.75	288.30	12.803		
12,600.00	7,071.62	7,052.62	7,052.62	166.69	244.48	-90.70	-829.51	-737.82	3,789.28	3,501.10	288.17	13.149		
12,700.00	7,071.85	7,052.85	7,052.85	169.48	244.49	-90.72	-829.51	-737.82	3,887.59	3,599.53	288.05	13.496		
12,800.00	7,072.08	7,053.08	7,053.08	172.28	244.50	-90.74	-829.51	-737.82	3,985.98	3,698.04	287.94	13.843		
12,900.00	7,072.31	7,053.31	7,053.31	175.08	244.51	-90.76	-829.51	-737.82	4,084.45	3,796.61	287.84	14.190		
13,000.00	7,072.54	7,053.54	7,053.54	177.88	244.52	-90.78	-829.51	-737.82	4,183.00	3,895.25	287.75	14.537		
13,100.00	7,072.77	7,053.77	7,053.77	180.68	244.52	-90.79	-829.51	-737.82	4,281.61	3,993.94	287.67	14.884		
13,200.00	7,073.00	7,054.00	7,054.00	183.48	244.53	-90.81	-829.51	-737.82	4,380.28	4,092.69	287.59	15.231		
13,300.00	7,073.23	7,054.23	7,054.23	186.29	244.54	-90.83	-829.51	-737.82	4,479.02	4,191.50	287.52	15.578		
13,400.00	7,073.46	7,054.46	7,054.46	189.09	244.55	-90.85	-829.51	-737.82	4,577.81	4,290.35	287.46	15.925		
13,500.00	7,073.69	7,054.69	7,054.69	191.90	244.56	-90.87	-829.51	-737.82	4,676.65	4,389.24	287.40	16.272		
13,600.00	7,073.92	7,054.92	7,054.92	194.71	244.56	-90.89	-829.51	-737.82	4,775.53	4,488.18	287.35	16.619		
13,700.00	7,074.15	7,055.15	7,055.15	197.52	244.57	-90.91	-829.51	-737.82	4,874.47	4,587.16	287.31	16.966		
13,800.00	7,074.38	7,055.38	7,055.38	200.34	244.58	-90.93	-829.51	-737.82	4,973.44	4,686.18	287.27	17.313		
13,900.00	7,074.61	7,055.61	7,055.61	203.15	244.59	-90.94	-829.51	-737.82	5,072.46	4,785.23	287.23	17.660		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,055.84	7,055.84	205.97	244.60	-90.96	-829.51	-737.82	5,171.51	4,884.31	287.20	18.006		
14,100.00	7,075.07	7,056.07	7,056.07	208.78	244.60	-90.98	-829.51	-737.82	5,270.60	4,983.43	287.18	18.353		
14,200.00	7,075.30	7,056.30	7,056.30	211.60	244.61	-91.00	-829.51	-737.82	5,369.73	5,082.57	287.16	18.700		
14,300.00	7,075.54	7,056.54	7,056.54	214.42	244.62	-91.02	-829.51	-737.82	5,468.88	5,181.74	287.14	19.046		
14,400.00	7,075.77	7,056.77	7,056.77	217.24	244.63	-91.04	-829.51	-737.82	5,568.07	5,280.94	287.13	19.392		
14,500.00	7,076.00	7,057.00	7,057.00	220.06	244.64	-91.06	-829.51	-737.82	5,667.28	5,380.16	287.12	19.738		
14,600.00	7,076.23	7,057.23	7,057.23	222.88	244.64	-91.08	-829.51	-737.82	5,766.53	5,479.41	287.12	20.084		
14,700.00	7,076.46	7,057.46	7,057.46	225.70	244.65	-91.09	-829.51	-737.82	5,865.79	5,578.68	287.12	20.430		
14,800.00	7,076.69	7,057.69	7,057.69	228.53	244.66	-91.11	-829.51	-737.82	5,965.08	5,677.97	287.12	20.776		
14,900.00	7,076.92	7,057.92	7,057.92	231.35	244.67	-91.13	-829.51	-737.82	6,064.40	5,777.28	287.12	21.121		
15,000.00	7,077.15	7,058.15	7,058.15	234.18	244.68	-91.15	-829.51	-737.82	6,163.74	5,876.60	287.13	21.467		
15,100.00	7,077.38	7,058.38	7,058.38	237.00	244.69	-91.17	-829.51	-737.82	6,263.10	5,975.95	287.14	21.812		
15,200.00	7,077.61	7,058.61	7,058.61	239.83	244.69	-91.19	-829.51	-737.82	6,362.47	6,075.31	287.16	22.157		
15,300.00	7,077.84	7,058.84	7,058.84	242.66	244.70	-91.21	-829.51	-737.82	6,461.87	6,174.69	287.18	22.501		
15,400.00	7,078.07	7,059.07	7,059.07	245.49	244.71	-91.23	-829.51	-737.82	6,561.29	6,274.09	287.20	22.846		
15,500.00	7,078.30	7,059.30	7,059.30	248.31	244.72	-91.24	-829.51	-737.82	6,660.72	6,373.50	287.22	23.190		
15,600.00	7,078.53	7,059.53	7,059.53	251.14	244.73	-91.26	-829.51	-737.82	6,760.17	6,472.93	287.24	23.535		
15,700.00	7,078.76	7,059.76	7,059.76	253.97	244.73	-91.28	-829.51	-737.82	6,859.64	6,572.36	287.27	23.879		
15,800.00	7,078.99	7,059.99	7,059.99	256.80	244.74	-91.30	-829.51	-737.82	6,959.12	6,671.82	287.30	24.222		
15,900.00	7,079.22	7,060.22	7,060.22	259.64	244.75	-91.32	-829.51	-737.82	7,058.61	6,771.28	287.33	24.566		
16,000.00	7,079.45	7,060.45	7,060.45	262.47	244.76	-91.34	-829.51	-737.82	7,158.12	6,870.76	287.37	24.909		
16,100.00	7,079.69	7,060.69	7,060.69	265.30	244.77	-91.36	-829.51	-737.82	7,257.65	6,970.24	287.40	25.252		
16,200.00	7,079.92	7,060.92	7,060.92	268.13	244.77	-91.38	-829.51	-737.82	7,357.18	7,069.74	287.44	25.595		
16,300.00	7,080.15	7,061.15	7,061.15	270.97	244.78	-91.40	-829.51	-737.82	7,456.73	7,169.25	287.48	25.938		
16,400.00	7,080.38	7,061.38	7,061.38	273.80	244.79	-91.41	-829.51	-737.82	7,556.29	7,268.77	287.53	26.280		
16,500.00	7,080.61	7,061.61	7,061.61	276.64	244.80	-91.43	-829.51	-737.82	7,655.86	7,368.29	287.57	26.623		
16,600.00	7,080.84	7,061.84	7,061.84	279.47	244.81	-91.45	-829.51	-737.82	7,755.45	7,467.83	287.62	26.964		
16,700.00	7,081.07	7,062.07	7,062.07	282.31	244.81	-91.47	-829.51	-737.82	7,855.04	7,567.38	287.67	27.306		
16,800.00	7,081.30	7,062.30	7,062.30	285.14	244.82	-91.49	-829.51	-737.82	7,954.65	7,666.93	287.72	27.648		
16,900.00	7,081.53	7,062.53	7,062.53	287.98	244.83	-91.51	-829.51	-737.82	8,054.26	7,766.49	287.77	27.989		
17,000.00	7,081.76	7,062.76	7,062.76	290.82	244.84	-91.53	-829.51	-737.82	8,153.88	7,866.06	287.82	28.330		
17,100.00	7,081.99	7,062.99	7,062.99	293.65	244.85	-91.55	-829.51	-737.82	8,253.51	7,965.64	287.88	28.670		
17,200.00	7,082.22	7,063.22	7,063.22	296.49	244.85	-91.56	-829.51	-737.82	8,353.16	8,065.22	287.93	29.011		
17,300.00	7,082.45	7,063.45	7,063.45	299.33	244.86	-91.58	-829.51	-737.82	8,452.80	8,164.81	287.99	29.351		
17,400.00	7,082.68	7,063.68	7,063.68	302.17	244.87	-91.60	-829.51	-737.82	8,552.46	8,264.41	288.05	29.691		
17,500.00	7,082.91	7,063.91	7,063.91	305.01	244.88	-91.62	-829.51	-737.82	8,652.13	8,364.02	288.11	30.030		
17,600.00	7,083.14	7,064.14	7,064.14	307.85	244.89	-91.64	-829.51	-737.82	8,751.80	8,463.63	288.18	30.370		
17,700.00	7,083.37	7,064.37	7,064.37	310.69	244.89	-91.66	-829.51	-737.82	8,851.48	8,563.24	288.24	30.709		
17,800.00	7,083.60	7,064.60	7,064.60	313.53	244.90	-91.68	-829.51	-737.82	8,951.17	8,662.86	288.31	31.048		
17,900.00	7,083.84	7,064.84	7,064.84	316.37	244.91	-91.70	-829.51	-737.82	9,050.86	8,762.49	288.37	31.386		
18,000.00	7,084.07	7,065.07	7,065.07	319.21	244.92	-91.71	-829.51	-737.82	9,150.57	8,862.12	288.44	31.724		
18,100.00	7,084.30	7,065.30	7,065.30	322.05	244.93	-91.73	-829.51	-737.82	9,250.27	8,961.76	288.51	32.062		
18,200.00	7,084.53	7,065.53	7,065.53	324.89	244.93	-91.75	-829.51	-737.82	9,349.99	9,061.40	288.58	32.400		
18,300.00	7,084.76	7,065.76	7,065.76	327.73	244.94	-91.77	-829.51	-737.82	9,449.71	9,161.05	288.65	32.737		
18,400.00	7,084.99	7,065.99	7,065.99	330.57	244.95	-91.79	-829.51	-737.82	9,549.43	9,260.70	288.73	33.074		
18,500.00	7,085.22	7,066.22	7,066.22	333.41	244.96	-91.81	-829.51	-737.82	9,649.16	9,360.36	288.80	33.411		
18,600.00	7,085.45	7,066.45	7,066.45	336.26	244.97	-91.83	-829.51	-737.82	9,748.90	9,460.02	288.88	33.747		
18,700.00	7,085.68	7,066.68	7,066.68	339.10	244.97	-91.85	-829.51	-737.82	9,848.64	9,559.69	288.96	34.083		
18,800.00	7,085.91	7,066.91	7,066.91	341.94	244.98	-91.86	-829.51	-737.82	9,948.39	9,659.36	289.04	34.419		
18,839.14	7,086.00	7,067.00	7,067.00	343.06	244.99	-91.87	-829.51	-737.82	9,987.44	9,698.37	289.07	34.551		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-67.95	167.58	-413.81	446.77					
100.00	100.00	80.49	80.49	3.28	3.28	-67.90	168.06	-413.86	446.68	440.11	6.57	67.991		
200.00	200.00	181.10	181.09	3.34	3.33	-67.75	169.34	-413.96	447.26	440.60	6.67	67.092		
300.00	300.00	281.47	281.46	3.44	3.43	-67.65	170.22	-413.99	447.62	440.75	6.87	65.122		
400.00	399.98	380.84	380.82	3.60	3.58	-163.13	170.96	-414.12	449.69	442.52	7.17	62.676		
500.00	499.84	481.42	481.40	3.80	3.77	-163.21	171.74	-414.26	455.13	447.57	7.56	60.168		
600.00	599.45	580.87	580.85	4.04	3.99	-163.40	172.38	-414.33	463.79	455.76	8.03	57.764		
700.00	698.70	678.95	678.93	4.31	4.25	-163.69	172.93	-414.58	475.93	467.37	8.56	55.629		
800.00	797.47	777.90	777.87	4.62	4.53	-164.07	173.54	-414.97	491.55	482.42	9.14	53.790		
900.00	895.62	874.49	874.46	4.97	4.82	-164.51	174.01	-415.44	510.56	500.80	9.76	52.310		
980.89	974.49	952.83	952.80	5.27	5.08	-164.92	174.37	-416.05	528.59	518.30	10.29	51.355		
1,000.00	993.07	971.45	971.41	5.34	5.14	-165.04	174.46	-416.19	533.11	522.69	10.42	51.139		
1,100.00	1,090.26	1,069.59	1,069.55	5.75	5.47	-165.65	174.91	-416.86	556.70	545.59	11.11	50.103		
1,200.00	1,187.45	1,164.90	1,164.86	6.17	5.80	-166.21	175.21	-417.48	580.29	568.47	11.81	49.120		
1,300.00	1,284.64	1,262.46	1,262.41	6.62	6.15	-166.74	175.58	-418.42	604.22	591.67	12.55	48.154		
1,400.00	1,381.83	1,359.83	1,359.78	7.07	6.51	-167.25	175.62	-419.18	627.93	614.63	13.30	47.213		
1,500.00	1,479.01	1,456.13	1,456.08	7.54	6.86	-167.70	175.96	-419.96	651.79	637.73	14.06	46.349		
1,600.00	1,576.20	1,555.68	1,555.63	8.02	7.24	-168.15	176.09	-420.77	675.64	660.79	14.86	45.481		
1,700.00	1,673.39	1,655.57	1,655.52	8.50	7.63	-168.56	176.13	-421.02	698.97	683.31	15.66	44.630		
1,800.00	1,770.58	1,753.44	1,753.39	8.99	8.00	-168.94	175.99	-421.13	722.16	705.69	16.47	43.857		
1,900.00	1,867.77	1,850.94	1,850.88	9.48	8.38	-169.31	175.79	-421.19	745.30	728.02	17.28	43.139		
2,000.00	1,964.96	1,947.63	1,947.57	9.98	8.76	-169.66	175.41	-421.29	768.47	750.38	18.09	42.481		
2,100.00	2,062.15	2,043.94	2,043.88	10.49	9.15	-170.01	174.87	-421.56	791.77	772.87	18.91	41.877		
2,200.00	2,159.34	2,140.76	2,140.69	10.99	9.53	-170.39	173.57	-422.10	815.18	795.44	19.73	41.310		
2,300.00	2,256.53	2,237.02	2,236.93	11.50	9.92	-170.80	171.67	-422.82	838.64	818.08	20.56	40.787		
2,400.00	2,353.71	2,332.07	2,331.95	12.01	10.31	-171.20	169.63	-423.76	862.34	840.95	21.39	40.322		
2,500.00	2,450.90	2,425.99	2,425.84	12.53	10.69	-171.57	167.58	-424.92	886.29	864.08	22.21	39.909		
2,600.00	2,548.09	2,517.46	2,517.28	13.04	11.06	-171.92	165.67	-426.57	910.83	887.81	23.02	39.574		
2,700.00	2,645.28	2,613.49	2,613.27	13.56	11.46	-172.26	163.93	-428.51	935.67	911.81	23.86	39.222		
2,800.00	2,742.47	2,708.86	2,708.61	14.08	11.85	-172.56	162.45	-430.50	960.66	935.96	24.69	38.902		
2,900.00	2,839.66	2,805.41	2,805.13	14.60	12.25	-172.85	161.06	-432.56	985.74	960.20	25.54	38.592		
3,000.00	2,936.85	2,904.03	2,903.72	15.12	12.66	-173.12	159.68	-434.56	1,010.75	984.35	26.41	38.275		
3,100.00	3,034.04	3,002.18	3,001.85	15.65	13.06	-173.36	158.56	-436.34	1,035.63	1,008.36	27.27	37.975		
3,200.00	3,131.22	3,101.58	3,101.23	16.17	13.48	-173.58	157.73	-437.88	1,060.34	1,032.20	28.15	37.673		
3,300.00	3,228.41	3,202.93	3,202.57	16.69	13.90	-173.78	156.84	-439.12	1,084.74	1,055.71	29.04	37.359		
3,400.00	3,325.60	3,295.03	3,294.66	17.22	14.28	-173.96	156.08	-440.26	1,109.18	1,079.32	29.86	37.144		
3,500.00	3,422.79	3,396.57	3,396.19	17.75	14.70	-174.13	155.52	-441.48	1,133.64	1,102.89	30.76	36.859		
3,600.00	3,519.98	3,495.33	3,494.95	18.27	15.12	-174.29	155.04	-442.35	1,157.82	1,126.19	31.63	36.602		
3,700.00	3,617.17	3,584.74	3,584.35	18.80	15.49	-174.42	154.68	-443.33	1,182.22	1,149.78	32.44	36.440		
3,800.00	3,714.36	3,682.49	3,682.09	19.33	15.90	-174.54	154.66	-444.69	1,206.99	1,173.68	33.31	36.230		
3,900.00	3,811.55	3,781.19	3,780.78	19.86	16.31	-174.64	155.01	-445.81	1,231.59	1,197.39	34.19	36.018		
4,000.00	3,908.74	3,878.55	3,878.14	20.39	16.72	-174.72	155.66	-446.77	1,256.10	1,221.03	35.06	35.822		
4,100.00	4,005.92	3,972.29	3,971.86	20.92	17.12	-174.78	156.52	-447.73	1,280.69	1,244.78	35.91	35.664		
4,200.00	4,103.11	4,066.36	4,065.93	21.45	17.51	-174.86	157.19	-449.00	1,305.56	1,268.80	36.76	35.518		
4,300.00	4,200.30	4,166.82	4,166.37	21.98	17.94	-174.93	157.97	-450.37	1,330.46	1,292.80	37.65	35.334		
4,400.00	4,297.49	4,268.77	4,268.31	22.51	18.37	-175.01	158.36	-451.41	1,354.95	1,316.38	38.56	35.136		
4,500.00	4,394.68	4,364.58	4,364.12	23.04	18.77	-175.09	158.61	-452.22	1,379.26	1,339.84	39.43	34.984		
4,600.00	4,491.87	4,461.58	4,461.12	23.57	19.18	-175.17	158.78	-453.20	1,403.73	1,363.43	40.30	34.833		
4,700.00	4,589.06	4,558.34	4,557.88	24.10	19.59	-175.25	159.01	-454.10	1,428.12	1,386.95	41.17	34.688		
4,800.00	4,686.25	4,655.38	4,654.90	24.64	20.00	-175.35	158.55	-455.18	1,452.58	1,410.53	42.04	34.549		
4,900.00	4,783.43	4,751.69	4,751.21	25.17	20.41	-175.46	157.91	-456.25	1,477.00	1,434.08	42.91	34.418		
5,000.00	4,880.62	4,847.21	4,846.72	25.70	20.81	-175.57	157.03	-457.46	1,501.54	1,457.76	43.78	34.300		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,942.29	4,941.78	26.23	21.21	-175.69	155.96	-458.76	1,526.14	1,481.51	44.64	34.190		
5,200.00	5,075.00	5,039.23	5,038.71	26.77	21.62	-175.81	154.77	-460.27	1,550.91	1,505.40	45.51	34.076		
5,300.00	5,172.19	5,139.83	5,139.29	27.30	22.05	-175.93	153.51	-461.58	1,575.44	1,529.02	46.42	33.941		
5,400.00	5,269.38	5,242.36	5,241.79	27.83	22.48	-176.07	151.68	-462.86	1,599.85	1,552.52	47.33	33.799		
5,457.75	5,325.51	5,307.36	5,306.78	28.14	22.76	-176.14	150.67	-463.28	1,613.64	1,565.73	47.91	33.682		
5,500.00	5,366.64	5,348.39	5,347.81	28.37	22.93	-176.20	150.12	-463.43	1,623.32	1,575.04	48.28	33.625		
5,600.00	5,464.53	5,446.67	5,446.08	28.87	23.35	-176.31	148.99	-463.69	1,643.75	1,594.60	49.15	33.443		
5,700.00	5,563.07	5,547.89	5,547.29	29.35	23.78	-176.42	147.68	-463.97	1,660.76	1,610.73	50.04	33.191		
5,800.00	5,662.15	5,651.16	5,650.55	29.80	24.21	-176.52	146.03	-463.97	1,674.02	1,623.09	50.93	32.871		
5,900.00	5,761.64	5,749.21	5,748.59	30.23	24.63	-176.60	144.67	-463.87	1,683.75	1,631.98	51.77	32.526		
6,000.00	5,861.42	5,853.26	5,852.63	30.64	25.07	-176.68	143.07	-463.87	1,690.08	1,637.44	52.64	32.108		
6,100.00	5,961.36	5,956.14	5,955.50	31.02	25.50	-176.73	141.66	-463.37	1,692.47	1,638.98	53.49	31.642		
6,138.64	6,000.00	5,993.07	5,992.43	31.16	25.66	-81.23	141.33	-463.19	1,692.50	1,638.71	53.79	31.466		
6,200.00	6,061.36	6,059.94	6,059.29	31.38	25.94	-81.25	140.82	-462.80	1,692.07	1,637.75	54.32	31.151		
6,300.00	6,161.36	6,159.85	6,159.19	31.74	26.36	-81.27	139.91	-461.93	1,691.08	1,635.96	55.12	30.681		
6,400.00	6,261.36	6,261.43	6,260.76	32.10	26.79	-81.31	138.78	-461.26	1,690.25	1,634.32	55.93	30.221		
6,500.00	6,361.36	6,360.52	6,359.84	32.46	27.21	-81.34	137.76	-460.38	1,689.22	1,632.49	56.73	29.778		
6,562.02	6,423.38	6,420.39	6,419.71	32.68	27.46	-81.35	137.34	-459.94	1,688.71	1,631.49	57.21	29.517		
6,600.00	6,461.34	6,458.68	6,458.00	32.82	27.62	8.97	137.08	-459.67	1,687.28	1,629.77	57.51	29.338		
6,650.00	6,511.08	6,508.83	6,508.15	32.99	27.84	9.06	136.72	-459.31	1,682.00	1,624.11	57.89	29.056		
6,700.00	6,560.29	6,553.37	6,552.69	33.17	28.02	9.23	136.37	-459.06	1,672.95	1,614.74	58.21	28.739		
6,750.00	6,608.64	6,597.93	6,597.24	33.36	28.21	9.47	135.99	-458.92	1,660.23	1,601.71	58.52	28.371		
6,800.00	6,655.86	6,645.00	6,644.31	33.56	28.41	9.81	135.54	-458.83	1,643.87	1,585.04	58.83	27.942		
6,850.00	6,701.64	6,690.82	6,690.13	33.78	28.61	10.26	135.02	-458.75	1,623.91	1,564.78	59.12	27.466		
6,900.00	6,745.71	6,733.37	6,732.67	34.01	28.79	10.82	134.53	-458.70	1,600.49	1,541.11	59.38	26.953		
6,950.00	6,787.79	6,773.63	6,772.94	34.27	28.96	11.54	134.20	-458.68	1,573.79	1,514.18	59.61	26.401		
7,000.00	6,827.62	6,811.53	6,810.83	34.56	29.12	12.44	134.00	-458.68	1,543.98	1,484.16	59.81	25.813		
7,050.00	6,864.96	6,846.58	6,845.89	34.87	29.27	13.57	133.88	-458.72	1,511.25	1,451.26	59.99	25.190		
7,100.00	6,899.58	6,879.18	6,878.48	35.21	29.41	15.00	133.79	-458.80	1,475.81	1,415.66	60.15	24.535		
7,150.00	6,931.26	6,909.54	6,908.84	35.60	29.54	16.82	133.75	-458.92	1,437.87	1,377.57	60.29	23.848		
7,200.00	6,959.81	6,937.85	6,937.15	36.02	29.66	19.19	133.72	-459.03	1,397.64	1,337.21	60.43	23.130		
7,250.00	6,985.06	6,962.93	6,962.23	36.47	29.76	22.31	133.70	-459.14	1,355.37	1,294.83	60.54	22.388		
7,300.00	7,006.84	6,984.62	6,983.92	36.97	29.86	26.50	133.69	-459.24	1,311.33	1,250.69	60.64	21.624		
7,350.00	7,025.02	7,002.91	7,002.21	37.51	29.93	32.26	133.69	-459.33	1,265.81	1,205.07	60.73	20.842		
7,400.00	7,039.49	7,018.12	7,017.42	38.09	30.00	40.37	133.69	-459.40	1,219.08	1,158.26	60.82	20.044		
7,450.00	7,050.17	7,029.38	7,028.68	38.70	30.05	51.73	133.68	-459.44	1,171.45	1,110.55	60.90	19.235		
7,500.00	7,056.98	7,036.62	7,035.92	39.33	30.08	66.93	133.67	-459.47	1,123.23	1,062.25	60.98	18.419		
7,550.00	7,059.89	7,039.83	7,039.13	39.99	30.09	84.83	133.67	-459.49	1,074.75	1,013.68	61.06	17.600		
7,560.55	7,060.00	7,039.99	7,039.29	40.13	30.09	88.65	133.67	-459.49	1,064.51	1,003.43	61.08	17.427		
7,600.00	7,060.09	7,040.24	7,039.54	40.67	30.09	88.71	133.67	-459.49	1,026.29	965.14	61.16	16.781		
7,700.00	7,060.32	7,040.88	7,040.19	42.14	30.10	88.85	133.66	-459.49	929.88	868.46	61.41	15.141		
7,800.00	7,060.55	7,041.53	7,040.83	43.75	30.10	88.99	133.66	-459.49	834.30	772.49	61.81	13.497		
7,900.00	7,060.78	7,042.17	7,041.47	45.48	30.10	89.13	133.66	-459.50	739.90	677.47	62.43	11.851		
8,000.00	7,061.01	7,042.80	7,042.10	47.33	30.10	89.28	133.66	-459.50	647.18	583.77	63.41	10.206		
8,100.00	7,061.24	7,043.44	7,042.74	49.27	30.11	89.42	133.66	-459.50	556.98	492.01	64.97	8.572		
8,200.00	7,061.47	7,044.07	7,043.37	51.29	30.11	89.56	133.66	-459.50	470.76	403.26	67.50	6.974		
8,300.00	7,061.70	7,044.70	7,044.00	53.40	30.11	89.69	133.66	-459.51	391.16	319.61	71.54	5.467		
8,400.00	7,061.93	7,045.32	7,044.62	55.57	30.11	89.83	133.66	-459.51	323.09	245.47	77.63	4.162		
8,500.00	7,062.16	7,045.95	7,045.25	57.80	30.12	89.97	133.66	-459.51	275.27	190.20	85.07	3.236		
8,593.07	7,062.38	7,046.53	7,045.83	59.93	30.12	90.10	133.66	-459.51	259.06	169.06	90.00	2.878 CC		
8,600.00	7,062.39	7,046.57	7,045.87	60.08	30.12	90.11	133.66	-459.51	259.15	168.98	90.17	2.874 ES, SF		
8,700.00	7,062.63	7,047.19	7,046.49	62.42	30.12	90.25	133.65	-459.52	280.25	190.87	89.39	3.135		

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

Offset Design													Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,062.86	7,047.80	7,047.11	64.79	30.13	90.38	133.65	-459.52	331.55	246.65	84.90	3.905				
8,900.00	7,063.09	7,048.42	7,047.72	67.20	30.13	90.52	133.65	-459.52	401.63	321.46	80.17	5.010				
9,000.00	7,063.32	7,049.03	7,048.33	69.65	30.13	90.65	133.65	-459.52	482.38	405.96	76.42	6.312				
9,100.00	7,063.55	7,049.64	7,048.94	72.12	30.13	90.79	133.65	-459.52	569.27	495.63	73.64	7.730				
9,200.00	7,063.78	7,050.25	7,049.55	74.63	30.14	90.92	133.65	-459.53	659.89	588.27	71.61	9.215				
9,300.00	7,064.01	7,050.85	7,050.15	77.16	30.14	91.06	133.65	-459.53	752.88	682.78	70.10	10.740				
9,400.00	7,064.24	7,051.45	7,050.76	79.71	30.14	91.19	133.65	-459.53	847.47	778.52	68.95	12.290				
9,500.00	7,064.47	7,052.05	7,051.36	82.28	30.14	91.32	133.65	-459.53	943.18	875.11	68.07	13.856				
9,600.00	7,064.70	7,052.65	7,051.95	84.87	30.15	91.45	133.64	-459.54	1,039.69	972.32	67.37	15.432				
9,700.00	7,064.93	7,053.25	7,052.55	87.47	30.15	91.59	133.64	-459.54	1,136.81	1,069.99	66.82	17.014				
9,800.00	7,065.16	7,053.84	7,053.14	90.09	30.15	91.72	133.64	-459.54	1,234.39	1,168.02	66.36	18.600				
9,900.00	7,065.39	7,054.43	7,053.73	92.73	30.15	91.85	133.64	-459.54	1,332.32	1,266.33	65.99	20.189				
10,000.00	7,065.62	7,055.02	7,054.32	95.38	30.16	91.98	133.64	-459.54	1,430.55	1,364.86	65.69	21.778				
10,100.00	7,065.85	7,055.61	7,054.91	98.04	30.16	92.11	133.64	-459.55	1,529.00	1,463.57	65.43	23.368				
10,200.00	7,066.08	7,056.19	7,055.49	100.71	30.16	92.24	133.64	-459.55	1,627.64	1,562.42	65.21	24.958				
10,300.00	7,066.31	7,056.77	7,056.07	103.39	30.16	92.36	133.64	-459.55	1,726.44	1,661.40	65.03	26.547				
10,400.00	7,066.54	7,057.35	7,056.65	106.08	30.17	92.49	133.63	-459.55	1,825.36	1,760.49	64.88	28.136				
10,500.00	7,066.77	7,057.93	7,057.23	108.78	30.17	92.62	133.63	-459.56	1,924.40	1,859.66	64.75	29.723				
10,600.00	7,067.01	7,058.50	7,057.81	111.48	30.17	92.75	133.63	-459.56	2,023.53	1,958.90	64.63	31.308				
10,700.00	7,067.24	7,059.08	7,058.38	114.20	30.17	92.87	133.63	-459.56	2,122.75	2,058.21	64.54	32.892				
10,800.00	7,067.47	7,059.65	7,058.95	116.92	30.18	93.00	133.63	-459.56	2,222.03	2,157.58	64.46	34.473				
10,900.00	7,067.70	7,060.22	7,059.52	119.65	30.18	93.12	133.63	-459.56	2,321.38	2,256.99	64.39	36.053				
11,000.00	7,067.93	7,060.78	7,060.08	122.38	30.18	93.25	133.63	-459.57	2,420.78	2,356.45	64.33	37.630				
11,100.00	7,068.16	7,061.35	7,060.65	125.12	30.18	93.37	133.63	-459.57	2,520.22	2,455.94	64.28	39.206				
11,200.00	7,068.39	7,061.91	7,061.21	127.86	30.19	93.50	133.62	-459.57	2,619.71	2,555.47	64.24	40.778				
11,300.00	7,068.62	7,062.47	7,061.77	130.61	30.19	93.62	133.62	-459.57	2,719.24	2,655.03	64.21	42.348				
11,400.00	7,068.85	7,063.03	7,062.33	133.37	30.19	93.74	133.62	-459.57	2,818.80	2,754.61	64.19	43.916				
11,500.00	7,069.08	7,063.58	7,062.88	136.12	30.19	93.87	133.62	-459.58	2,918.39	2,854.22	64.17	45.481				
11,600.00	7,069.31	7,064.14	7,063.44	138.89	30.20	93.99	133.62	-459.58	3,018.01	2,953.85	64.15	47.043				
11,700.00	7,069.54	7,064.69	7,063.99	141.65	30.20	94.11	133.62	-459.58	3,117.65	3,053.50	64.15	48.602				
11,800.00	7,069.77	7,065.24	7,064.54	144.42	30.20	94.23	133.62	-459.58	3,217.31	3,153.17	64.14	50.158				
11,900.00	7,070.00	7,065.79	7,065.09	147.19	30.20	94.35	133.61	-459.58	3,316.99	3,252.85	64.14	51.711				
12,000.00	7,070.23	7,066.33	7,065.63	149.97	30.20	94.47	133.61	-459.59	3,416.69	3,352.54	64.15	53.261				
12,100.00	7,070.46	7,066.88	7,066.18	152.75	30.21	94.59	133.61	-459.59	3,516.41	3,452.25	64.16	54.808				
12,200.00	7,070.69	7,067.42	7,066.72	155.53	30.21	94.71	133.61	-459.59	3,616.15	3,551.98	64.17	56.351				
12,300.00	7,070.92	7,067.96	7,067.26	158.32	30.21	94.83	133.61	-459.59	3,715.90	3,651.71	64.19	57.891				
12,400.00	7,071.16	7,068.50	7,067.80	161.10	30.21	94.95	133.61	-459.59	3,815.66	3,751.45	64.21	59.428				
12,500.00	7,071.39	7,069.03	7,068.33	163.89	30.22	95.06	133.61	-459.59	3,915.43	3,851.20	64.23	60.961				
12,600.00	7,071.62	7,069.56	7,068.87	166.69	30.22	95.18	133.60	-459.60	4,015.22	3,950.96	64.25	62.490				
12,700.00	7,071.85	7,070.10	7,069.40	169.48	30.22	95.30	133.60	-459.60	4,115.01	4,050.73	64.28	64.016				
12,800.00	7,072.08	7,070.63	7,069.93	172.28	30.22	95.41	133.60	-459.60	4,214.82	4,150.51	64.31	65.539				
12,900.00	7,072.31	7,071.15	7,070.46	175.08	30.22	95.53	133.60	-459.60	4,314.63	4,250.29	64.34	67.057				
13,000.00	7,072.54	7,071.68	7,070.98	177.88	30.23	95.65	133.60	-459.60	4,414.45	4,350.07	64.38	68.572				
13,100.00	7,072.77	7,072.20	7,071.51	180.68	30.23	95.76	133.60	-459.60	4,514.28	4,449.87	64.41	70.083				
13,200.00	7,073.00	7,072.73	7,072.03	183.48	30.23	95.87	133.60	-459.61	4,614.12	4,549.67	64.45	71.590				
13,300.00	7,073.23	7,073.25	7,072.55	186.29	30.23	95.99	133.59	-459.61	4,713.96	4,649.47	64.49	73.093				
13,400.00	7,073.46	7,073.77	7,073.07	189.09	30.24	96.10	133.59	-459.61	4,813.81	4,749.28	64.54	74.592				
13,500.00	7,073.69	7,074.28	7,073.58	191.90	30.24	96.22	133.59	-459.61	4,913.67	4,849.09	64.58	76.087				
13,600.00	7,073.92	7,074.80	7,074.10	194.71	30.24	96.33	133.59	-459.61	5,013.53	4,948.91	64.63	77.578				
13,700.00	7,074.15	7,075.31	7,074.61	197.52	30.24	96.44	133.59	-459.62	5,113.40	5,048.73	64.67	79.065				
13,800.00	7,074.38	7,075.82	7,075.12	200.34	30.24	96.55	133.59	-459.62	5,213.27	5,148.55	64.72	80.547				
13,900.00	7,074.61	7,076.33	7,075.63	203.15	30.25	96.66	133.59	-459.62	5,313.15	5,248.37	64.77	82.025				

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,076.84	7,076.14	205.97	30.25	96.77	133.58	-459.62	5,413.03	5,348.20	64.83	83.499		
14,100.00	7,075.07	7,077.34	7,076.64	208.78	30.25	96.88	133.58	-459.62	5,512.92	5,448.03	64.88	84.969		
14,200.00	7,075.30	7,077.85	7,077.15	211.60	30.25	96.99	133.58	-459.62	5,612.81	5,547.87	64.94	86.434		
14,300.00	7,075.54	7,078.35	7,077.65	214.42	30.26	97.10	133.58	-459.62	5,712.70	5,647.70	64.99	87.895		
14,400.00	7,075.77	7,078.85	7,078.15	217.24	30.26	97.21	133.58	-459.63	5,812.60	5,747.54	65.05	89.351		
14,500.00	7,076.00	7,079.35	7,078.65	220.06	30.26	97.32	133.58	-459.63	5,912.50	5,847.38	65.11	90.803		
14,600.00	7,076.23	7,079.84	7,079.15	222.88	30.26	97.43	133.58	-459.63	6,012.40	5,947.23	65.18	92.250		
14,700.00	7,076.46	7,080.34	7,079.64	225.70	30.26	97.54	133.57	-459.63	6,112.31	6,047.07	65.24	93.693		
14,800.00	7,076.69	7,080.83	7,080.13	228.53	30.27	97.64	133.57	-459.63	6,212.22	6,146.92	65.30	95.130		
14,900.00	7,076.92	7,081.32	7,080.63	231.35	30.27	97.75	133.57	-459.63	6,312.13	6,246.76	65.37	96.564		
15,000.00	7,077.15	7,081.81	7,081.11	234.18	30.27	97.86	133.57	-459.64	6,412.05	6,346.61	65.43	97.992		
15,100.00	7,077.38	7,082.30	7,081.60	237.00	30.27	97.96	133.57	-459.64	6,511.97	6,446.46	65.50	99.416		
15,200.00	7,077.61	7,082.79	7,082.09	239.83	30.27	98.07	133.57	-459.64	6,611.89	6,546.31	65.57	100.835		
15,300.00	7,077.84	7,083.27	7,082.57	242.66	30.28	98.17	133.56	-459.64	6,711.81	6,646.17	65.64	102.249		
15,400.00	7,078.07	7,083.76	7,083.06	245.49	30.28	98.28	133.56	-459.64	6,811.73	6,746.02	65.71	103.659		
15,500.00	7,078.30	7,084.24	7,083.54	248.31	30.28	98.38	133.56	-459.64	6,911.66	6,845.88	65.79	105.063		
15,600.00	7,078.53	7,084.72	7,084.02	251.14	30.28	98.49	133.56	-459.64	7,011.59	6,945.73	65.86	106.463		
15,700.00	7,078.76	7,085.19	7,084.50	253.97	30.28	98.59	133.56	-459.65	7,111.52	7,045.59	65.93	107.858		
15,800.00	7,078.99	7,085.67	7,084.97	256.80	30.29	98.69	133.56	-459.65	7,211.45	7,145.44	66.01	109.247		
15,900.00	7,079.22	7,086.15	7,085.45	259.64	30.29	98.80	133.56	-459.65	7,311.39	7,245.30	66.09	110.632		
16,000.00	7,079.45	7,086.62	7,085.92	262.47	30.29	98.90	133.55	-459.65	7,411.33	7,345.16	66.17	112.012		
16,100.00	7,079.69	7,087.09	7,086.39	265.30	30.29	99.00	133.55	-459.65	7,511.26	7,445.02	66.24	113.387		
16,200.00	7,079.92	7,087.56	7,086.86	268.13	30.29	99.10	133.55	-459.65	7,611.20	7,544.88	66.32	114.757		
16,300.00	7,080.15	7,088.03	7,087.33	270.97	30.30	99.20	133.55	-459.65	7,711.15	7,644.74	66.41	116.121		
16,400.00	7,080.38	7,088.49	7,087.80	273.80	30.30	99.30	133.55	-459.66	7,811.09	7,744.60	66.49	117.481		
16,500.00	7,080.61	7,088.96	7,088.26	276.64	30.30	99.40	133.55	-459.66	7,911.03	7,844.46	66.57	118.835		
16,600.00	7,080.84	7,089.42	7,088.72	279.47	30.30	99.50	133.54	-459.66	8,010.98	7,944.32	66.66	120.185		
16,700.00	7,081.07	7,089.88	7,089.19	282.31	30.30	99.60	133.54	-459.66	8,110.93	8,044.18	66.74	121.529		
16,800.00	7,081.30	7,090.34	7,089.65	285.14	30.31	99.70	133.54	-459.66	8,210.87	8,144.05	66.83	122.868		
16,900.00	7,081.53	7,090.80	7,090.10	287.98	30.31	99.80	133.54	-459.66	8,310.82	8,243.91	66.91	124.202		
17,000.00	7,081.76	7,091.26	7,090.56	290.82	30.31	99.90	133.54	-459.66	8,410.77	8,343.77	67.00	125.531		
17,100.00	7,081.99	7,091.72	7,091.02	293.65	30.31	100.00	133.54	-459.67	8,510.73	8,443.63	67.09	126.855		
17,200.00	7,082.22	7,092.17	7,091.47	296.49	30.31	100.09	133.53	-459.67	8,610.68	8,543.50	67.18	128.173		
17,300.00	7,082.45	7,092.62	7,091.92	299.33	30.32	100.19	133.53	-459.67	8,710.63	8,643.36	67.27	129.486		
17,400.00	7,082.68	7,093.07	7,092.37	302.17	30.32	100.29	133.53	-459.67	8,810.59	8,743.22	67.36	130.794		
17,500.00	7,082.91	7,093.52	7,092.82	305.01	30.32	100.38	133.53	-459.67	8,910.54	8,843.09	67.45	132.097		
17,600.00	7,083.14	7,093.97	7,093.27	307.85	30.32	100.48	133.53	-459.67	9,010.50	8,942.95	67.55	133.394		
17,700.00	7,083.37	7,094.42	7,093.72	310.69	30.32	100.57	133.53	-459.67	9,110.46	9,042.82	67.64	134.686		
17,800.00	7,083.60	7,094.86	7,094.16	313.53	30.33	100.67	133.52	-459.68	9,210.42	9,142.68	67.74	135.973		
17,900.00	7,083.84	7,095.31	7,094.61	316.37	30.33	100.76	133.52	-459.68	9,310.38	9,242.54	67.83	137.255		
18,000.00	7,084.07	7,095.75	7,095.05	319.21	30.33	100.86	133.52	-459.68	9,410.34	9,342.41	67.93	138.531		
18,100.00	7,084.30	7,096.19	7,095.49	322.05	30.33	100.95	133.52	-459.68	9,510.30	9,442.27	68.03	139.802		
18,200.00	7,084.53	7,096.63	7,095.93	324.89	30.33	101.05	133.52	-459.68	9,610.26	9,542.13	68.13	141.068		
18,300.00	7,084.76	7,097.06	7,096.37	327.73	30.34	101.14	133.52	-459.68	9,710.22	9,642.00	68.22	142.328		
18,400.00	7,084.99	7,097.50	7,096.80	330.57	30.34	101.23	133.51	-459.68	9,810.19	9,741.86	68.32	143.584		
18,500.00	7,085.22	7,097.94	7,097.24	333.41	30.34	101.33	133.51	-459.68	9,910.15	9,841.72	68.42	144.834		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-118.59	-2,336.65	-4,287.84	4,883.20					
100.00	100.00	106.81	106.81	3.28	3.29	-118.59	-2,336.56	-4,287.62	4,883.00	4,876.43	6.57	742.908		
194.34	194.34	180.34	180.34	3.33	3.33	-118.59	-2,336.37	-4,287.58	4,882.82	4,876.16	6.66	733.186		
200.00	200.00	184.90	184.89	3.34	3.33	-118.59	-2,336.36	-4,287.58	4,882.82	4,876.16	6.67	732.327		
300.00	300.00	320.58	320.57	3.44	3.48	-118.58	-2,335.43	-4,287.68	4,882.59	4,875.66	6.92	705.171		
323.53	323.53	342.74	342.74	3.48	3.51	145.92	-2,335.27	-4,287.62	4,882.52	4,875.53	6.99	698.610		
400.00	399.98	417.83	417.82	3.60	3.64	145.92	-2,334.82	-4,287.22	4,883.31	4,876.08	7.24	674.659		
500.00	499.84	485.33	485.33	3.80	3.77	145.90	-2,334.67	-4,287.05	4,887.33	4,879.76	7.57	645.654		
600.00	599.45	586.95	586.94	4.04	4.00	145.88	-2,334.42	-4,287.26	4,894.62	4,886.58	8.04	608.729		
700.00	698.70	724.78	724.76	4.31	4.37	145.89	-2,333.34	-4,287.12	4,904.26	4,895.58	8.68	564.943		
800.00	797.47	820.06	820.04	4.62	4.65	145.85	-2,332.80	-4,286.52	4,916.43	4,907.17	9.27	530.468		
900.00	895.62	900.00	899.98	4.97	4.90	145.78	-2,332.67	-4,286.11	4,931.78	4,921.93	9.85	500.534		
980.89	974.49	959.25	959.24	5.27	5.09	145.70	-2,332.68	-4,286.01	4,946.60	4,936.26	10.34	478.607		
1,000.00	993.07	973.78	973.76	5.34	5.14	145.72	-2,332.68	-4,286.02	4,950.36	4,939.91	10.46	473.461		
1,100.00	1,090.26	1,062.47	1,062.45	5.75	5.43	145.86	-2,332.58	-4,286.32	4,970.24	4,959.11	11.13	446.671		
1,200.00	1,187.45	1,187.54	1,187.51	6.17	5.87	146.06	-2,331.91	-4,286.80	4,990.04	4,978.08	11.96	417.356		
1,300.00	1,284.64	1,281.77	1,281.75	6.62	6.21	146.21	-2,331.45	-4,286.72	5,009.47	4,996.76	12.70	394.390		
1,400.00	1,381.83	1,367.69	1,367.67	7.07	6.52	146.34	-2,331.47	-4,286.60	5,029.10	5,015.67	13.43	374.348		
1,500.00	1,479.01	1,446.91	1,446.89	7.54	6.82	146.46	-2,331.69	-4,286.62	5,049.04	5,034.89	14.15	356.711		
1,600.00	1,576.20	1,525.65	1,525.62	8.02	7.11	146.58	-2,331.98	-4,286.98	5,069.40	5,054.52	14.88	340.612		
1,700.00	1,673.39	1,611.52	1,611.50	8.50	7.44	146.71	-2,332.34	-4,287.59	5,090.05	5,074.40	15.65	325.247		
1,800.00	1,770.58	1,695.84	1,695.81	8.99	7.76	146.83	-2,332.93	-4,288.30	5,110.96	5,094.54	16.42	311.288		
1,900.00	1,867.77	1,781.56	1,781.52	9.48	8.10	146.95	-2,333.68	-4,289.16	5,132.13	5,114.93	17.20	298.367		
2,000.00	1,964.96	1,921.54	1,921.49	9.98	8.65	147.15	-2,334.65	-4,290.30	5,153.09	5,134.87	18.22	282.876		
2,100.00	2,062.15	2,057.35	2,057.29	10.49	9.19	147.34	-2,335.40	-4,290.34	5,173.35	5,154.13	19.23	269.087		
2,200.00	2,159.34	2,172.85	2,172.80	10.99	9.65	147.50	-2,335.33	-4,289.78	5,192.88	5,172.72	20.16	257.637		
2,300.00	2,256.53	2,255.79	2,255.73	11.50	9.98	147.62	-2,335.57	-4,289.26	5,212.48	5,191.53	20.95	248.781		
2,400.00	2,353.71	2,327.08	2,327.02	12.01	10.27	147.71	-2,336.23	-4,288.90	5,232.50	5,210.80	21.70	241.122		
2,500.00	2,450.90	2,400.00	2,399.94	12.53	10.57	147.80	-2,337.03	-4,289.00	5,253.14	5,230.69	22.46	233.913		
2,600.00	2,548.09	2,481.11	2,481.04	13.04	10.90	147.91	-2,337.83	-4,289.51	5,274.20	5,250.94	23.25	226.825		
2,700.00	2,645.28	2,599.05	2,598.97	13.56	11.38	148.07	-2,338.78	-4,290.16	5,295.15	5,270.94	24.21	218.685		
2,800.00	2,742.47	2,703.18	2,703.10	14.08	11.80	148.20	-2,339.66	-4,290.36	5,315.84	5,290.72	25.12	211.646		
2,900.00	2,839.66	2,796.22	2,796.13	14.60	12.19	148.32	-2,340.62	-4,290.44	5,336.53	5,310.56	25.97	205.471		
3,000.00	2,936.85	2,863.83	2,863.74	15.12	12.47	148.40	-2,341.41	-4,290.68	5,357.54	5,330.83	26.71	200.557		
3,100.00	3,034.04	2,969.40	2,969.30	15.65	12.90	148.54	-2,342.42	-4,291.61	5,378.96	5,351.33	27.63	194.685		
3,200.00	3,131.22	3,093.61	3,093.51	16.17	13.42	148.70	-2,343.13	-4,292.17	5,399.85	5,371.21	28.63	188.590		
3,300.00	3,228.41	3,168.95	3,168.84	16.69	13.73	148.80	-2,343.83	-4,292.35	5,420.74	5,391.32	29.41	184.300		
3,400.00	3,325.60	3,244.73	3,244.62	17.22	14.04	148.89	-2,344.81	-4,292.78	5,442.07	5,411.87	30.19	180.233		
3,500.00	3,422.79	3,349.11	3,348.98	17.75	14.48	149.02	-2,346.04	-4,293.73	5,463.70	5,432.59	31.11	175.618		
3,600.00	3,519.98	3,469.22	3,469.09	18.27	14.98	149.17	-2,346.66	-4,294.47	5,484.79	5,452.69	32.10	170.847		
3,700.00	3,617.17	3,568.15	3,568.02	18.80	15.39	149.30	-2,347.02	-4,295.01	5,505.82	5,472.82	33.00	166.857		
3,800.00	3,714.36	3,667.09	3,666.95	19.33	15.81	149.42	-2,347.32	-4,295.55	5,526.83	5,492.94	33.89	163.073		
3,900.00	3,811.55	3,766.02	3,765.89	19.86	16.22	149.55	-2,347.57	-4,296.08	5,547.84	5,513.05	34.79	159.479		
4,000.00	3,908.74	3,864.96	3,864.82	20.39	16.64	149.67	-2,347.75	-4,296.60	5,568.84	5,533.16	35.68	156.061		
4,100.00	4,005.92	3,963.90	3,963.76	20.92	17.05	149.80	-2,347.87	-4,297.11	5,589.83	5,553.25	36.58	152.808		
4,200.00	4,103.11	4,062.84	4,062.70	21.45	17.47	149.92	-2,347.94	-4,297.61	5,610.82	5,573.34	37.48	149.708		
4,300.00	4,200.30	4,161.78	4,161.64	21.98	17.88	150.04	-2,347.94	-4,298.10	5,631.80	5,593.42	38.38	146.749		
4,400.00	4,297.49	4,267.51	4,267.37	22.51	18.33	150.17	-2,347.80	-4,298.60	5,652.73	5,613.42	39.31	143.804		
4,500.00	4,394.68	4,372.65	4,372.50	23.04	18.77	150.31	-2,347.28	-4,299.06	5,673.51	5,633.27	40.24	141.001		
4,600.00	4,491.87	4,468.97	4,468.82	23.57	19.18	150.43	-2,346.56	-4,299.51	5,694.25	5,653.12	41.12	138.467		
4,700.00	4,589.06	4,544.83	4,544.68	24.10	19.50	150.53	-2,345.97	-4,300.00	5,715.16	5,673.25	41.91	136.368		
4,800.00	4,686.25	4,620.85	4,620.69	24.64	19.82	150.63	-2,345.28	-4,300.95	5,736.58	5,693.88	42.70	134.358		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,783.43	4,736.37	4,736.19	25.17	20.30	150.78	-2,344.14	-4,302.34	5,757.95	5,714.27	43.68	131.827		
5,000.00	4,880.62	4,846.40	4,846.22	25.70	20.77	150.92	-2,343.12	-4,303.34	5,779.12	5,734.49	44.63	129.480		
5,100.00	4,977.81	4,943.97	4,943.78	26.23	21.18	151.04	-2,343.39	-4,303.53	5,800.13	5,754.60	45.53	127.398		
5,200.00	5,075.00	5,025.34	5,025.15	26.77	21.52	151.12	-2,344.14	-4,303.62	5,821.33	5,774.99	46.34	125.618		
5,300.00	5,172.19	5,104.56	5,104.36	27.30	21.86	151.21	-2,344.87	-4,303.99	5,842.86	5,795.71	47.14	123.936		
5,400.00	5,269.38	5,204.81	5,204.61	27.83	22.28	151.32	-2,345.39	-4,304.74	5,864.51	5,816.46	48.05	122.043		
5,457.75	5,325.51	5,256.09	5,255.88	28.14	22.50	151.38	-2,345.56	-4,305.18	5,877.04	5,828.50	48.54	121.066		
5,500.00	5,366.64	5,294.03	5,293.83	28.37	22.66	151.51	-2,345.72	-4,305.51	5,885.97	5,837.06	48.90	120.357		
5,600.00	5,464.53	5,434.79	5,434.59	28.87	23.26	151.82	-2,346.44	-4,306.00	5,904.47	5,854.46	50.00	118.078		
5,700.00	5,563.07	5,527.03	5,526.81	29.35	23.65	152.02	-2,347.73	-4,305.85	5,919.86	5,869.02	50.85	116.426		
5,800.00	5,662.15	5,633.66	5,633.43	29.80	24.10	152.19	-2,349.40	-4,305.46	5,932.08	5,880.33	51.75	114.635		
5,900.00	5,761.64	5,714.85	5,714.61	30.23	24.44	152.30	-2,350.52	-4,305.32	5,941.36	5,888.86	52.51	113.156		
6,000.00	5,861.42	5,779.25	5,779.01	30.64	24.72	152.37	-2,351.43	-4,305.55	5,948.04	5,894.88	53.16	111.883		
6,100.00	5,961.36	5,878.10	5,877.84	31.02	25.14	152.42	-2,352.66	-4,306.38	5,952.04	5,898.05	53.98	110.257		
6,138.64	6,000.00	5,929.90	5,929.64	31.16	25.36	-112.07	-2,353.00	-4,306.85	5,952.69	5,898.32	54.36	109.500		
6,200.00	6,061.36	6,022.70	6,022.44	31.38	25.75	-112.07	-2,353.12	-4,307.48	5,953.10	5,898.09	55.01	108.219		
6,300.00	6,161.36	6,150.50	6,150.24	31.74	26.29	-112.07	-2,353.10	-4,307.65	5,953.20	5,897.26	55.94	106.414		
6,400.00	6,261.36	6,351.93	6,247.81	32.10	27.15	-112.07	-2,353.34	-4,307.46	5,953.12	5,895.95	57.17	104.136		
6,500.00	6,361.36	6,348.07	6,347.80	32.46	27.13	-112.07	-2,353.87	-4,307.24	5,953.11	5,895.59	57.52	103.489		
6,562.02	6,423.38	6,410.08	6,409.82	32.68	27.39	-112.08	-2,354.20	-4,307.10	5,953.11	5,895.09	58.02	102.605		
6,600.00	6,461.34	6,448.04	6,447.78	32.82	27.55	-21.82	-2,354.40	-4,307.02	5,952.05	5,893.74	58.32	102.066		
6,650.00	6,511.08	6,497.77	6,497.51	32.99	27.77	-21.99	-2,354.67	-4,306.90	5,947.46	5,888.77	58.69	101.337		
6,700.00	6,560.29	6,546.95	6,546.69	33.17	27.97	-22.31	-2,354.93	-4,306.79	5,939.27	5,880.22	59.05	100.577		
6,750.00	6,608.64	6,595.28	6,595.01	33.36	28.18	-22.78	-2,355.19	-4,306.69	5,927.52	5,868.12	59.40	99.789		
6,800.00	6,655.86	6,642.46	6,642.19	33.56	28.38	-23.41	-2,355.44	-4,306.58	5,912.29	5,852.55	59.73	98.978		
6,850.00	6,701.64	6,688.20	6,687.93	33.78	28.57	-24.22	-2,355.68	-4,306.48	5,893.68	5,833.63	60.05	98.144		
6,900.00	6,745.71	6,732.21	6,731.94	34.01	28.76	-25.23	-2,355.91	-4,306.38	5,871.81	5,811.45	60.35	97.291		
6,950.00	6,787.79	6,774.23	6,773.96	34.27	28.94	-26.48	-2,356.14	-4,306.29	5,846.82	5,786.18	60.64	96.420		
7,000.00	6,827.62	6,814.00	6,813.73	34.56	29.11	-28.00	-2,356.35	-4,306.20	5,818.87	5,757.96	60.91	95.533		
7,050.00	6,864.96	6,851.26	6,850.99	34.87	29.27	-29.85	-2,356.54	-4,306.11	5,788.14	5,726.98	61.17	94.630		
7,100.00	6,899.58	6,885.80	6,885.53	35.21	29.41	-32.09	-2,356.73	-4,306.04	5,754.83	5,693.42	61.41	93.714		
7,150.00	6,931.26	6,917.40	6,917.13	35.60	29.55	-34.81	-2,356.90	-4,305.97	5,719.16	5,657.52	61.64	92.785		
7,200.00	6,959.81	6,945.86	6,945.59	36.02	29.67	-38.12	-2,357.05	-4,305.90	5,681.34	5,619.48	61.86	91.844		
7,250.00	6,985.06	6,971.01	6,970.73	36.47	29.78	-42.15	-2,357.18	-4,305.85	5,641.62	5,579.56	62.07	90.893		
7,300.00	7,006.84	6,992.69	6,992.41	36.97	29.87	-47.05	-2,357.29	-4,305.80	5,600.26	5,537.99	62.27	89.934		
7,350.00	7,025.02	7,010.77	7,010.49	37.51	29.95	-52.99	-2,357.39	-4,305.76	5,557.52	5,495.05	62.47	88.968		
7,400.00	7,039.49	7,025.14	7,024.86	38.09	30.01	-60.10	-2,357.47	-4,305.73	5,513.66	5,451.00	62.66	87.997		
7,450.00	7,050.17	7,035.70	7,035.43	38.70	30.05	-68.39	-2,357.52	-4,305.70	5,468.96	5,406.12	62.84	87.025		
7,500.00	7,056.98	7,042.41	7,042.13	39.33	30.08	-77.69	-2,357.56	-4,305.69	5,423.71	5,360.68	63.03	86.053		
7,550.00	7,059.89	7,045.20	7,044.93	39.99	30.09	-87.58	-2,357.57	-4,305.68	5,378.19	5,314.98	63.21	85.088		
7,560.55	7,060.00	7,045.29	7,045.01	40.13	30.09	-89.68	-2,357.57	-4,305.68	5,368.57	5,305.33	63.25	84.884		
7,600.00	7,060.09	7,045.29	7,045.02	40.67	30.09	-89.68	-2,357.57	-4,305.68	5,332.65	5,269.26	63.39	84.124		
7,700.00	7,060.32	7,045.30	7,045.03	42.14	30.09	-89.68	-2,357.57	-4,305.68	5,241.82	5,178.02	63.80	82.156		
7,800.00	7,060.55	7,045.31	7,045.04	43.75	30.09	-89.68	-2,357.57	-4,305.68	5,151.34	5,087.05	64.28	80.136		
7,900.00	7,060.78	7,045.32	7,045.05	45.48	30.09	-89.68	-2,357.57	-4,305.68	5,061.21	4,996.38	64.83	78.068		
8,000.00	7,061.01	7,045.33	7,045.06	47.33	30.09	-89.68	-2,357.57	-4,305.68	4,971.46	4,906.00	65.45	75.954		
8,100.00	7,061.24	7,045.34	7,045.07	49.27	30.09	-89.68	-2,357.57	-4,305.68	4,882.10	4,815.95	66.15	73.800		
8,200.00	7,061.47	7,045.35	7,045.08	51.29	30.09	-89.68	-2,357.57	-4,305.68	4,793.17	4,726.24	66.93	71.611		
8,300.00	7,061.70	7,045.36	7,045.09	53.40	30.09	-89.68	-2,357.57	-4,305.68	4,704.68	4,636.88	67.80	69.392		
8,400.00	7,061.93	7,045.37	7,045.10	55.57	30.09	-89.68	-2,357.57	-4,305.68	4,616.66	4,547.91	68.75	67.149		
8,500.00	7,062.16	7,045.38	7,045.11	57.80	30.09	-89.68	-2,357.57	-4,305.68	4,529.14	4,459.35	69.80	64.890		
8,600.00	7,062.39	7,045.39	7,045.12	60.08	30.09	-89.69	-2,357.57	-4,305.68	4,442.15	4,371.21	70.94	62.621		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,062.63	7,045.40	7,045.13	62.42	30.09	-89.69	-2,357.57	-4,305.68	4,355.72	4,283.54	72.17	60.350		
8,800.00	7,062.86	7,045.41	7,045.14	64.79	30.09	-89.69	-2,357.57	-4,305.68	4,269.87	4,196.36	73.51	58.082		
8,900.00	7,063.09	7,045.42	7,045.15	67.20	30.09	-89.69	-2,357.57	-4,305.68	4,184.66	4,109.70	74.96	55.827		
9,000.00	7,063.32	7,045.43	7,045.16	69.65	30.09	-89.69	-2,357.58	-4,305.68	4,100.11	4,023.60	76.51	53.589		
9,100.00	7,063.55	7,045.44	7,045.17	72.12	30.09	-89.69	-2,357.58	-4,305.68	4,016.28	3,938.10	78.17	51.377		
9,200.00	7,063.78	7,045.45	7,045.18	74.63	30.09	-89.69	-2,357.58	-4,305.68	3,933.20	3,853.25	79.95	49.196		
9,300.00	7,064.01	7,045.46	7,045.19	77.16	30.09	-89.69	-2,357.58	-4,305.68	3,850.92	3,769.07	81.84	47.052		
9,400.00	7,064.24	7,045.47	7,045.20	79.71	30.09	-89.69	-2,357.58	-4,305.68	3,769.50	3,685.64	83.86	44.950		
9,500.00	7,064.47	7,045.48	7,045.21	82.28	30.09	-89.69	-2,357.58	-4,305.68	3,689.00	3,603.00	86.00	42.896		
9,600.00	7,064.70	7,045.49	7,045.22	84.87	30.09	-89.69	-2,357.58	-4,305.68	3,609.47	3,521.20	88.27	40.893		
9,700.00	7,064.93	7,045.50	7,045.23	87.47	30.09	-89.69	-2,357.58	-4,305.68	3,530.98	3,440.31	90.66	38.947		
9,800.00	7,065.16	7,045.51	7,045.24	90.09	30.09	-89.69	-2,357.58	-4,305.68	3,453.60	3,360.41	93.19	37.059		
9,900.00	7,065.39	7,045.52	7,045.25	92.73	30.09	-89.69	-2,357.58	-4,305.68	3,377.41	3,281.56	95.86	35.234		
10,000.00	7,065.62	7,045.53	7,045.26	95.38	30.09	-89.69	-2,357.58	-4,305.68	3,302.49	3,203.83	98.66	33.474		
10,100.00	7,065.85	7,045.54	7,045.27	98.04	30.09	-89.69	-2,357.58	-4,305.68	3,228.93	3,127.33	101.60	31.781		
10,200.00	7,066.08	7,045.55	7,045.28	100.71	30.09	-89.69	-2,357.58	-4,305.68	3,156.83	3,052.14	104.68	30.156		
10,300.00	7,066.31	7,045.56	7,045.29	103.39	30.09	-89.69	-2,357.58	-4,305.68	3,086.28	2,978.37	107.91	28.601		
10,400.00	7,066.54	7,045.57	7,045.30	106.08	30.09	-89.69	-2,357.58	-4,305.68	3,017.39	2,906.12	111.28	27.116		
10,500.00	7,066.77	7,045.58	7,045.31	108.78	30.09	-89.69	-2,357.58	-4,305.68	2,950.29	2,835.51	114.78	25.703		
10,600.00	7,067.01	7,045.59	7,045.32	111.48	30.09	-89.69	-2,357.58	-4,305.68	2,885.10	2,766.67	118.43	24.361		
10,700.00	7,067.24	7,045.60	7,045.33	114.20	30.09	-89.69	-2,357.58	-4,305.68	2,821.94	2,699.73	122.21	23.091		
10,800.00	7,067.47	7,045.62	7,045.34	116.92	30.09	-89.69	-2,357.58	-4,305.68	2,760.96	2,634.84	126.12	21.892		
10,900.00	7,067.70	7,045.63	7,045.35	119.65	30.09	-89.69	-2,357.58	-4,305.68	2,702.30	2,572.16	130.15	20.763		
11,000.00	7,067.93	7,045.64	7,045.36	122.38	30.09	-89.69	-2,357.58	-4,305.68	2,646.13	2,511.84	134.29	19.705		
11,100.00	7,068.16	7,045.65	7,045.37	125.12	30.09	-89.69	-2,357.58	-4,305.68	2,592.59	2,454.07	138.52	18.716		
11,200.00	7,068.39	7,045.66	7,045.38	127.86	30.09	-89.69	-2,357.58	-4,305.68	2,541.87	2,399.03	142.84	17.796		
11,300.00	7,068.62	7,045.67	7,045.39	130.61	30.09	-89.69	-2,357.58	-4,305.68	2,494.12	2,346.91	147.21	16.942		
11,400.00	7,068.85	7,045.68	7,045.40	133.37	30.09	-89.69	-2,357.58	-4,305.68	2,449.53	2,297.90	151.63	16.155		
11,500.00	7,069.08	7,045.69	7,045.41	136.12	30.09	-89.69	-2,357.58	-4,305.68	2,408.27	2,252.21	156.06	15.432		
11,600.00	7,069.31	7,045.70	7,045.42	138.89	30.09	-89.69	-2,357.58	-4,305.68	2,370.51	2,210.04	160.47	14.772		
11,700.00	7,069.54	7,045.71	7,045.43	141.65	30.09	-89.69	-2,357.58	-4,305.68	2,336.42	2,171.58	164.84	14.174		
11,800.00	7,069.77	7,045.72	7,045.44	144.42	30.10	-89.69	-2,357.58	-4,305.68	2,306.17	2,137.05	169.12	13.636		
11,900.00	7,070.00	7,045.73	7,045.45	147.19	30.10	-89.69	-2,357.58	-4,305.68	2,279.91	2,106.61	173.29	13.156		
12,000.00	7,070.23	7,045.74	7,045.46	149.97	30.10	-89.69	-2,357.58	-4,305.68	2,257.77	2,080.46	177.31	12.733		
12,100.00	7,070.46	7,045.75	7,045.47	152.75	30.10	-89.69	-2,357.58	-4,305.68	2,239.89	2,058.75	181.14	12.366		
12,200.00	7,070.69	7,045.76	7,045.48	155.53	30.10	-89.69	-2,357.58	-4,305.68	2,226.35	2,041.61	184.74	12.051		
12,300.00	7,070.92	7,045.77	7,045.49	158.32	30.10	-89.69	-2,357.58	-4,305.68	2,217.25	2,029.16	188.09	11.788		
12,400.00	7,071.16	7,045.78	7,045.50	161.10	30.10	-89.70	-2,357.58	-4,305.68	2,212.63	2,021.47	191.16	11.575		
12,452.23	7,071.28	7,045.78	7,045.51	162.56	30.10	-89.70	-2,357.58	-4,305.68	2,212.02	2,019.37	192.64	11.482 CC		
12,500.00	7,071.39	7,045.79	7,045.51	163.89	30.10	-89.70	-2,357.58	-4,305.68	2,212.53	2,018.61	193.92	11.409 ES		
12,600.00	7,071.62	7,045.80	7,045.52	166.69	30.10	-89.70	-2,357.58	-4,305.68	2,216.95	2,020.59	196.36	11.290		
12,700.00	7,071.85	7,045.81	7,045.53	169.48	30.10	-89.70	-2,357.58	-4,305.68	2,225.85	2,027.39	198.46	11.215		
12,800.00	7,072.08	7,045.82	7,045.54	172.28	30.10	-89.70	-2,357.58	-4,305.68	2,239.19	2,038.96	200.23	11.183 SF		
12,900.00	7,072.31	7,045.83	7,045.55	175.08	30.10	-89.70	-2,357.58	-4,305.68	2,256.88	2,055.23	201.65	11.192		
13,000.00	7,072.54	7,045.84	7,045.56	177.88	30.10	-89.70	-2,357.58	-4,305.68	2,278.83	2,076.09	202.74	11.240		
13,100.00	7,072.77	7,045.85	7,045.57	180.68	30.10	-89.70	-2,357.58	-4,305.68	2,304.91	2,101.40	203.51	11.326		
13,200.00	7,073.00	7,045.86	7,045.58	183.48	30.10	-89.70	-2,357.58	-4,305.68	2,334.99	2,131.01	203.98	11.447		
13,300.00	7,073.23	7,045.87	7,045.59	186.29	30.10	-89.70	-2,357.58	-4,305.68	2,368.91	2,164.75	204.16	11.603		
13,400.00	7,073.46	7,045.88	7,045.60	189.09	30.10	-89.70	-2,357.58	-4,305.68	2,406.51	2,202.43	204.08	11.792		
13,500.00	7,073.69	7,045.89	7,045.61	191.90	30.10	-89.70	-2,357.58	-4,305.68	2,447.62	2,243.85	203.77	12.012		
13,600.00	7,073.92	7,045.90	7,045.62	194.71	30.10	-89.70	-2,357.58	-4,305.68	2,492.07	2,288.83	203.24	12.262		
13,700.00	7,074.15	7,045.91	7,045.63	197.52	30.10	-89.70	-2,357.58	-4,305.68	2,539.67	2,337.15	202.53	12.540		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,045.92	7,045.64	200.34	30.10	-89.70	-2,357.58	-4,305.68	2,590.27	2,388.62	201.65	12.845		
13,900.00	7,074.61	7,045.93	7,045.65	203.15	30.10	-89.70	-2,357.58	-4,305.68	2,643.68	2,443.05	200.63	13.177		
14,000.00	7,074.84	7,045.94	7,045.66	205.97	30.10	-89.70	-2,357.58	-4,305.68	2,699.74	2,500.25	199.50	13.533		
14,100.00	7,075.07	7,045.95	7,045.67	208.78	30.10	-89.70	-2,357.58	-4,305.68	2,758.29	2,560.03	198.26	13.912		
14,200.00	7,075.30	7,045.96	7,045.68	211.60	30.10	-89.70	-2,357.58	-4,305.68	2,819.17	2,622.22	196.95	14.314		
14,300.00	7,075.54	7,045.97	7,045.69	214.42	30.10	-89.70	-2,357.58	-4,305.68	2,882.23	2,686.66	195.57	14.737		
14,400.00	7,075.77	7,045.98	7,045.70	217.24	30.10	-89.70	-2,357.58	-4,305.68	2,947.34	2,753.19	194.15	15.181		
14,500.00	7,076.00	7,045.99	7,045.71	220.06	30.10	-89.70	-2,357.58	-4,305.68	3,014.36	2,821.67	192.69	15.644		
14,600.00	7,076.23	7,046.00	7,045.72	222.88	30.10	-89.70	-2,357.58	-4,305.68	3,083.17	2,891.97	191.20	16.125		
14,700.00	7,076.46	7,046.01	7,045.73	225.70	30.10	-89.70	-2,357.58	-4,305.68	3,153.65	2,963.94	189.71	16.624		
14,800.00	7,076.69	7,046.02	7,045.74	228.53	30.10	-89.70	-2,357.58	-4,305.68	3,225.68	3,037.48	188.20	17.139		
14,900.00	7,076.92	7,046.03	7,045.75	231.35	30.10	-89.70	-2,357.58	-4,305.68	3,299.18	3,112.48	186.70	17.671		
15,000.00	7,077.15	7,046.04	7,045.76	234.18	30.10	-89.70	-2,357.58	-4,305.68	3,374.04	3,188.83	185.21	18.218		
15,100.00	7,077.38	7,046.05	7,045.77	237.00	30.10	-89.70	-2,357.58	-4,305.68	3,450.17	3,266.45	183.73	18.779		
15,200.00	7,077.61	7,046.06	7,045.78	239.83	30.10	-89.70	-2,357.58	-4,305.68	3,527.50	3,345.24	182.26	19.354		
15,300.00	7,077.84	7,046.07	7,045.79	242.66	30.10	-89.70	-2,357.58	-4,305.68	3,605.94	3,425.12	180.82	19.942		
15,400.00	7,078.07	7,046.08	7,045.80	245.49	30.10	-89.70	-2,357.58	-4,305.68	3,685.43	3,506.02	179.40	20.543		
15,500.00	7,078.30	7,046.09	7,045.81	248.31	30.10	-89.70	-2,357.58	-4,305.68	3,765.89	3,587.88	178.01	21.156		
15,600.00	7,078.53	7,046.10	7,045.82	251.14	30.10	-89.70	-2,357.58	-4,305.68	3,847.27	3,670.63	176.64	21.780		
15,700.00	7,078.76	7,046.11	7,045.83	253.97	30.10	-89.70	-2,357.58	-4,305.68	3,929.51	3,754.20	175.31	22.415		
15,800.00	7,078.99	7,046.12	7,045.84	256.80	30.10	-89.70	-2,357.58	-4,305.68	4,012.55	3,838.55	174.00	23.061		
15,900.00	7,079.22	7,046.13	7,045.85	259.64	30.10	-89.70	-2,357.58	-4,305.68	4,096.36	3,923.63	172.72	23.716		
16,000.00	7,079.45	7,046.14	7,045.86	262.47	30.10	-89.70	-2,357.58	-4,305.68	4,180.87	4,009.39	171.48	24.382		
16,100.00	7,079.69	7,046.15	7,045.87	265.30	30.10	-89.70	-2,357.58	-4,305.68	4,266.06	4,095.79	170.26	25.056		
16,200.00	7,079.92	7,046.16	7,045.88	268.13	30.10	-89.70	-2,357.58	-4,305.68	4,351.87	4,182.79	169.08	25.739		
16,300.00	7,080.15	7,046.17	7,045.89	270.97	30.10	-89.71	-2,357.58	-4,305.68	4,438.28	4,270.36	167.93	26.430		
16,400.00	7,080.38	7,046.18	7,045.90	273.80	30.10	-89.71	-2,357.58	-4,305.68	4,525.25	4,358.45	166.80	27.129		
16,500.00	7,080.61	7,046.19	7,045.91	276.64	30.10	-89.71	-2,357.58	-4,305.68	4,612.75	4,447.04	165.71	27.836		
16,600.00	7,080.84	7,046.20	7,045.92	279.47	30.10	-89.71	-2,357.58	-4,305.68	4,700.75	4,536.10	164.65	28.550		
16,700.00	7,081.07	7,046.21	7,045.93	282.31	30.10	-89.71	-2,357.58	-4,305.68	4,789.21	4,625.60	163.61	29.271		
16,800.00	7,081.30	7,046.22	7,045.94	285.14	30.10	-89.71	-2,357.58	-4,305.68	4,878.13	4,715.52	162.61	29.999		
16,900.00	7,081.53	7,046.23	7,045.95	287.98	30.10	-89.71	-2,357.58	-4,305.68	4,967.46	4,805.83	161.63	30.733		
17,000.00	7,081.76	7,046.24	7,045.96	290.82	30.10	-89.71	-2,357.58	-4,305.68	5,057.20	4,896.51	160.68	31.474		
17,100.00	7,081.99	7,046.25	7,045.97	293.65	30.10	-89.71	-2,357.58	-4,305.68	5,147.31	4,987.55	159.76	32.220		
17,200.00	7,082.22	7,046.26	7,045.98	296.49	30.10	-89.71	-2,357.58	-4,305.68	5,237.78	5,078.92	158.86	32.971		
17,300.00	7,082.45	7,046.27	7,045.99	299.33	30.10	-89.71	-2,357.58	-4,305.68	5,328.59	5,170.61	157.99	33.728		
17,400.00	7,082.68	7,046.28	7,046.00	302.17	30.10	-89.71	-2,357.58	-4,305.68	5,419.73	5,262.59	157.14	34.490		
17,500.00	7,082.91	7,046.29	7,046.01	305.01	30.10	-89.71	-2,357.58	-4,305.68	5,511.17	5,354.86	156.31	35.257		
17,600.00	7,083.14	7,046.30	7,046.02	307.85	30.10	-89.71	-2,357.58	-4,305.68	5,602.91	5,447.39	155.51	36.029		
17,700.00	7,083.37	7,046.31	7,046.03	310.69	30.10	-89.71	-2,357.58	-4,305.68	5,694.92	5,540.19	154.73	36.805		
17,800.00	7,083.60	7,046.32	7,046.04	313.53	30.10	-89.71	-2,357.58	-4,305.68	5,787.20	5,633.22	153.97	37.585		
17,900.00	7,083.84	7,046.33	7,046.05	316.37	30.10	-89.71	-2,357.58	-4,305.68	5,879.73	5,726.49	153.24	38.370		
18,000.00	7,084.07	7,046.34	7,046.06	319.21	30.10	-89.71	-2,357.58	-4,305.68	5,972.50	5,819.98	152.52	39.158		
18,100.00	7,084.30	7,046.35	7,046.07	322.05	30.10	-89.71	-2,357.58	-4,305.68	6,065.50	5,913.68	151.83	39.950		
18,200.00	7,084.53	7,046.36	7,046.08	324.89	30.10	-89.71	-2,357.58	-4,305.68	6,158.72	6,007.57	151.15	40.746		
18,300.00	7,084.76	7,046.37	7,046.09	327.73	30.10	-89.71	-2,357.58	-4,305.68	6,252.15	6,101.66	150.49	41.545		
18,400.00	7,084.99	7,046.38	7,046.10	330.57	30.10	-89.71	-2,357.58	-4,305.68	6,345.78	6,195.94	149.85	42.348		
18,500.00	7,085.22	7,046.39	7,046.11	333.41	30.10	-89.71	-2,357.58	-4,305.68	6,439.61	6,290.38	149.23	43.153		
18,600.00	7,085.45	7,046.40	7,046.12	336.26	30.10	-89.71	-2,357.58	-4,305.68	6,533.61	6,384.99	148.62	43.962		
18,700.00	7,085.68	7,046.41	7,046.13	339.10	30.10	-89.71	-2,357.58	-4,305.68	6,627.79	6,479.76	148.03	44.773		
18,800.00	7,085.91	7,046.42	7,046.14	341.94	30.10	-89.71	-2,357.58	-4,305.68	6,722.14	6,574.69	147.46	45.588		
18,839.14	7,086.00	7,046.42	7,046.15	343.06	30.10	-89.71	-2,357.58	-4,305.68	6,759.12	6,611.88	147.24	45.907		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,400.00	7,064.24	10,326.00	7,279.34	79.71	74.74	112.86	288.56	-11,193.01	9,939.21	9,836.55	102.66	96.817		
9,500.00	7,064.47	10,326.00	7,279.34	82.28	74.74	112.86	288.56	-11,193.01	9,839.34	9,736.65	102.70	95.810		
9,600.00	7,064.70	10,326.00	7,279.34	84.87	74.74	112.86	288.56	-11,193.01	9,739.48	9,636.74	102.73	94.802		
9,700.00	7,064.93	10,326.00	7,279.34	87.47	74.74	112.86	288.56	-11,193.01	9,639.62	9,536.84	102.78	93.793		
9,800.00	7,065.16	10,326.00	7,279.34	90.09	74.74	112.86	288.56	-11,193.01	9,539.76	9,436.94	102.82	92.782		
9,900.00	7,065.39	10,326.00	7,279.34	92.73	74.74	112.86	288.56	-11,193.01	9,439.90	9,337.04	102.87	91.769		
10,000.00	7,065.62	10,326.00	7,279.34	95.38	74.74	112.86	288.56	-11,193.01	9,340.05	9,237.14	102.91	90.756		
10,100.00	7,065.85	10,364.22	7,278.92	98.04	75.45	114.60	250.36	-11,194.22	9,239.74	9,135.99	103.74	89.064		
10,200.00	7,066.08	10,365.02	7,278.92	100.71	75.46	114.64	249.56	-11,194.25	9,139.87	9,036.06	103.81	88.045		
10,300.00	7,066.31	10,365.84	7,278.91	103.39	75.48	114.68	248.74	-11,194.29	9,040.01	8,936.13	103.88	87.024		
10,400.00	7,066.54	10,366.67	7,278.90	106.08	75.49	114.72	247.91	-11,194.32	8,940.14	8,836.19	103.95	86.003		
10,500.00	7,066.77	10,367.52	7,278.89	108.78	75.51	114.76	247.06	-11,194.36	8,840.29	8,736.26	104.03	84.980		
10,600.00	7,067.01	10,368.38	7,278.88	111.48	75.52	114.81	246.20	-11,194.40	8,740.43	8,636.32	104.11	83.957		
10,700.00	7,067.24	10,369.26	7,278.87	114.20	75.54	114.85	245.32	-11,194.44	8,640.58	8,536.39	104.19	82.933		
10,800.00	7,067.47	10,370.16	7,278.86	116.92	75.56	114.89	244.43	-11,194.48	8,540.73	8,436.45	104.27	81.908		
10,900.00	7,067.70	10,371.07	7,278.85	119.65	75.57	114.94	243.52	-11,194.52	8,440.88	8,336.52	104.36	80.882		
11,000.00	7,067.93	10,372.00	7,278.84	122.38	75.59	114.99	242.59	-11,194.56	8,341.04	8,236.58	104.45	79.856		
11,100.00	7,068.16	10,372.95	7,278.83	125.12	75.61	115.04	241.64	-11,194.61	8,241.19	8,136.65	104.55	78.829		
11,200.00	7,068.39	10,373.92	7,278.82	127.86	75.63	115.08	240.67	-11,194.65	8,141.36	8,036.71	104.64	77.801		
11,300.00	7,068.62	10,374.91	7,278.80	130.61	75.64	115.13	239.68	-11,194.70	8,041.52	7,936.78	104.74	76.773		
11,400.00	7,068.85	10,375.92	7,278.79	133.37	75.66	115.19	238.68	-11,194.75	7,941.69	7,836.84	104.85	75.744		
11,500.00	7,069.08	10,376.94	7,278.78	136.12	75.68	115.24	237.65	-11,194.79	7,841.87	7,736.91	104.96	74.714		
11,600.00	7,069.31	10,378.00	7,278.77	138.89	75.70	115.29	236.60	-11,194.85	7,742.04	7,636.97	105.07	73.684		
11,700.00	7,069.54	10,379.07	7,278.76	141.65	75.72	115.35	235.53	-11,194.90	7,642.22	7,537.04	105.19	72.654		
11,800.00	7,069.77	10,380.16	7,278.74	144.42	75.74	115.40	234.43	-11,194.95	7,542.41	7,437.10	105.31	71.623		
11,900.00	7,070.00	10,381.28	7,278.73	147.19	75.76	115.46	233.32	-11,195.01	7,442.60	7,337.16	105.43	70.591		
12,000.00	7,070.23	10,382.42	7,278.72	149.97	75.78	115.52	232.17	-11,195.07	7,342.79	7,237.23	105.56	69.560		
12,100.00	7,070.46	10,383.59	7,278.70	152.75	75.81	115.58	231.01	-11,195.13	7,242.99	7,137.29	105.69	68.528		
12,200.00	7,070.69	10,384.79	7,278.69	155.53	75.83	115.65	229.82	-11,195.19	7,143.19	7,037.36	105.83	67.495		
12,300.00	7,070.92	10,421.00	7,278.26	158.32	76.50	117.71	193.68	-11,197.45	7,043.81	6,937.24	106.57	66.095		
12,400.00	7,071.16	10,421.00	7,278.26	161.10	76.50	117.71	193.68	-11,197.45	6,943.99	6,837.30	106.69	65.088		
12,500.00	7,071.39	10,421.00	7,278.26	163.89	76.50	117.71	193.68	-11,197.45	6,844.18	6,737.37	106.81	64.079		
12,600.00	7,071.62	10,421.00	7,278.26	166.69	76.50	117.71	193.68	-11,197.45	6,744.38	6,637.44	106.93	63.070		
12,700.00	7,071.85	10,421.00	7,278.26	169.48	76.50	117.71	193.68	-11,197.45	6,644.58	6,537.51	107.07	62.060		
12,800.00	7,072.08	10,421.00	7,278.26	172.28	76.50	117.71	193.68	-11,197.45	6,544.78	6,437.58	107.20	61.050		
12,900.00	7,072.31	10,421.00	7,278.26	175.08	76.50	117.71	193.68	-11,197.45	6,445.00	6,337.65	107.35	60.039		
13,000.00	7,072.54	10,421.00	7,278.26	177.88	76.50	117.71	193.68	-11,197.45	6,345.22	6,237.72	107.50	59.027		
13,100.00	7,072.77	10,421.00	7,278.26	180.68	76.50	117.71	193.68	-11,197.45	6,245.44	6,137.79	107.65	58.015		
13,200.00	7,073.00	10,421.00	7,278.26	183.48	76.50	117.71	193.68	-11,197.45	6,145.68	6,037.86	107.81	57.002		
13,300.00	7,073.23	10,421.00	7,278.26	186.29	76.50	117.71	193.68	-11,197.45	6,045.92	5,937.94	107.98	55.989		
13,400.00	7,073.46	10,421.00	7,278.26	189.09	76.50	117.71	193.68	-11,197.45	5,946.17	5,838.01	108.16	54.975		
13,500.00	7,073.69	10,421.00	7,278.26	191.90	76.50	117.71	193.68	-11,197.45	5,846.43	5,738.08	108.35	53.960		
13,600.00	7,073.92	10,421.00	7,278.26	194.71	76.50	117.71	193.68	-11,197.45	5,746.70	5,638.16	108.54	52.945		
13,700.00	7,074.15	10,421.00	7,278.26	197.52	76.50	117.71	193.68	-11,197.45	5,646.97	5,538.23	108.74	51.929		
13,800.00	7,074.38	10,421.00	7,278.26	200.34	76.50	117.71	193.68	-11,197.45	5,547.26	5,438.31	108.96	50.913		
13,900.00	7,074.61	10,421.00	7,278.26	203.15	76.50	117.71	193.68	-11,197.45	5,447.56	5,338.38	109.18	49.896		
14,000.00	7,074.84	10,421.00	7,278.26	205.97	76.50	117.71	193.68	-11,197.45	5,347.87	5,238.46	109.41	48.878		
14,100.00	7,075.07	10,421.00	7,278.26	208.78	76.50	117.71	193.68	-11,197.45	5,248.19	5,138.53	109.66	47.860		
14,200.00	7,075.30	10,421.00	7,278.26	211.60	76.50	117.71	193.68	-11,197.45	5,148.52	5,038.61	109.92	46.841		
14,300.00	7,075.54	10,421.00	7,278.26	214.42	76.50	117.71	193.68	-11,197.45	5,048.87	4,938.68	110.19	45.821		
14,400.00	7,075.77	10,421.00	7,278.26	217.24	76.50	117.71	193.68	-11,197.45	4,949.23	4,838.76	110.47	44.801		
14,500.00	7,076.00	10,427.72	7,278.18	220.06	76.62	118.12	186.98	-11,197.93	4,849.60	4,738.80	110.80	43.767		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,600.00	7,076.23	10,441.29	7,278.01	222.88	76.87	119.00	173.44	-11,198.89	4,749.97	4,638.80	111.17	42.726		
14,700.00	7,076.46	10,454.43	7,277.85	225.70	77.11	119.91	160.33	-11,199.81	4,650.33	4,538.80	111.53	41.694		
14,800.00	7,076.69	10,467.16	7,277.70	228.53	77.34	120.83	147.63	-11,200.68	4,550.69	4,438.80	111.89	40.671		
14,900.00	7,076.92	10,479.49	7,277.55	231.35	77.57	121.78	135.33	-11,201.51	4,451.05	4,338.80	112.24	39.656		
15,000.00	7,077.15	10,491.45	7,277.40	234.18	77.79	122.75	123.40	-11,202.30	4,351.40	4,238.81	112.59	38.649		
15,100.00	7,077.38	10,503.05	7,277.26	237.00	78.00	123.75	111.83	-11,203.05	4,251.74	4,138.81	112.93	37.649		
15,200.00	7,077.61	10,514.30	7,277.12	239.83	78.21	124.77	100.60	-11,203.77	4,152.09	4,038.82	113.27	36.657		
15,300.00	7,077.84	10,525.90	7,276.93	242.66	78.54	126.48	83.04	-11,204.86	4,052.42	3,938.81	113.62	35.668		
15,400.00	7,078.07	10,538.18	7,276.79	245.49	78.86	128.32	65.78	-11,205.89	3,952.75	3,838.79	113.96	34.687		
15,500.00	7,078.30	10,550.03	7,276.70	248.31	79.15	130.17	49.96	-11,206.78	3,853.06	3,738.77	114.29	33.714		
15,600.00	7,078.53	10,561.62	7,276.66	251.14	79.43	132.00	35.39	-11,207.57	3,753.37	3,638.76	114.61	32.748		
15,700.00	7,078.76	10,573.10	7,276.65	253.97	79.68	133.83	21.93	-11,208.27	3,653.67	3,538.74	114.93	31.789		
15,800.00	7,078.99	10,584.58	7,276.67	256.80	79.91	135.64	9.46	-11,208.88	3,553.97	3,438.72	115.25	30.837		
15,900.00	7,079.22	10,596.18	7,276.71	259.64	80.13	137.43	-2.12	-11,209.44	3,454.26	3,338.70	115.56	29.890		
16,000.00	7,079.45	10,607.97	7,276.77	262.47	80.33	139.20	-12.91	-11,209.93	3,354.56	3,238.68	115.88	28.950		
16,100.00	7,079.69	10,619.37	7,276.76	265.30	80.45	140.29	-19.30	-11,210.22	3,254.87	3,138.68	116.19	28.014		
16,200.00	7,079.92	10,630.85	7,276.78	268.13	80.61	141.79	-27.77	-11,210.60	3,155.17	3,038.67	116.50	27.083		
16,300.00	7,080.15	10,642.97	7,276.80	270.97	80.77	143.29	-35.88	-11,210.94	3,055.49	2,938.67	116.82	26.156		
16,400.00	7,080.38	10,654.75	7,276.81	273.80	80.91	144.78	-43.65	-11,211.27	2,955.81	2,838.68	117.14	25.234		
16,500.00	7,080.61	10,666.21	7,276.82	276.64	81.06	146.27	-51.11	-11,211.58	2,856.15	2,738.69	117.46	24.316		
16,600.00	7,080.84	10,677.37	7,276.83	279.47	81.19	147.74	-58.26	-11,211.86	2,756.49	2,638.71	117.79	23.403		
16,700.00	7,081.07	10,688.25	7,276.84	282.31	81.32	149.21	-65.13	-11,212.13	2,656.85	2,538.74	118.12	22.493		
16,800.00	7,081.30	10,698.86	7,276.84	285.14	81.45	150.65	-71.74	-11,212.39	2,557.23	2,438.77	118.46	21.587		
16,900.00	7,081.53	10,709.22	7,276.85	287.98	81.57	152.09	-78.10	-11,212.62	2,457.63	2,338.81	118.82	20.684		
17,000.00	7,081.76	10,719.35	7,276.85	290.82	81.68	153.51	-84.22	-11,212.85	2,358.05	2,238.87	119.18	19.786		
17,100.00	7,081.99	10,729.24	7,276.85	293.65	81.80	154.90	-90.11	-11,213.06	2,258.49	2,138.93	119.56	18.890		
17,200.00	7,082.22	10,739.81	7,276.85	296.49	81.92	156.50	-96.68	-11,213.29	2,158.96	2,039.02	119.95	17.999		
17,300.00	7,082.45	10,750.17	7,276.84	299.33	82.04	158.08	-103.03	-11,213.51	2,059.47	1,939.11	120.36	17.111		
17,400.00	7,082.68	10,760.19	7,276.82	302.17	82.16	159.61	-109.05	-11,213.70	1,960.02	1,839.23	120.79	16.226		
17,500.00	7,082.91	10,770.92	7,276.80	305.01	82.27	161.10	-114.77	-11,213.89	1,860.61	1,739.36	121.25	15.345		
17,600.00	7,083.14	10,781.36	7,276.77	307.85	82.37	162.53	-120.21	-11,214.06	1,761.26	1,639.51	121.75	14.466		
17,700.00	7,083.37	10,791.54	7,276.74	310.69	82.47	163.92	-125.39	-11,214.21	1,661.98	1,539.68	122.29	13.590		
17,800.00	7,083.60	10,801.48	7,276.71	313.53	82.57	165.26	-130.32	-11,214.36	1,562.77	1,439.89	122.89	12.717		
17,900.00	7,083.84	10,811.19	7,276.67	316.37	82.66	166.56	-135.03	-11,214.49	1,463.66	1,340.12	123.54	11.847		
18,000.00	7,084.07	10,820.69	7,276.63	319.21	82.74	167.81	-139.53	-11,214.62	1,364.67	1,240.39	124.28	10.981		
18,100.00	7,084.30	10,830.99	7,276.59	322.05	82.83	169.02	-143.83	-11,214.73	1,265.83	1,140.71	125.12	10.117		
18,200.00	7,084.53	10,840.11	7,276.55	324.89	82.91	170.18	-147.95	-11,214.84	1,167.18	1,041.09	126.09	9.257		
18,300.00	7,084.76	10,849.06	7,276.51	327.73	82.98	171.31	-151.90	-11,214.94	1,068.76	941.54	127.22	8.401		
18,400.00	7,084.99	10,857.84	7,276.46	330.57	83.05	172.39	-155.68	-11,215.04	970.65	842.07	128.58	7.549		
18,500.00	7,085.22	10,866.48	7,276.42	333.41	83.12	173.44	-159.31	-11,215.12	872.97	742.73	130.24	6.703		
18,600.00	7,085.45	10,874.96	7,276.38	336.26	83.19	174.45	-162.80	-11,215.21	775.85	643.55	132.30	5.864		
18,700.00	7,085.68	10,883.32	7,276.33	339.10	83.25	175.42	-166.15	-11,215.29	679.56	544.63	134.93	5.036		
18,800.00	7,085.91	10,891.54	7,276.28	341.94	83.32	176.36	-169.37	-11,215.36	584.51	446.13	138.38	4.224		
18,839.14	7,086.00	10,898.77	7,276.27	343.06	83.34	176.72	-170.60	-11,215.39	547.77	407.76	140.02	3.912 CC, ES, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.55	11,528.95	7,178.73	72.12	98.81	-98.14	-867.16	-10,903.86	9,966.97	9,838.52	128.46	77.589		
9,200.00	7,063.78	11,524.56	7,178.63	74.63	98.72	-98.18	-862.78	-10,904.19	9,867.22	9,738.79	128.43	76.832		
9,300.00	7,064.01	11,520.13	7,178.53	77.16	98.63	-98.23	-858.37	-10,904.52	9,767.46	9,639.07	128.40	76.073		
9,400.00	7,064.24	10,886.76	7,190.38	79.71	85.97	-157.41	-225.98	-10,931.35	9,667.67	9,554.14	113.53	85.154		
9,500.00	7,064.47	10,886.38	7,190.37	82.28	85.96	-157.58	-225.61	-10,931.36	9,567.68	9,454.13	113.55	84.259		
9,600.00	7,064.70	10,886.00	7,190.36	84.87	85.95	-157.75	-225.23	-10,931.36	9,467.69	9,354.12	113.57	83.363		
9,700.00	7,064.93	10,885.62	7,190.35	87.47	85.95	-157.91	-224.85	-10,931.37	9,367.70	9,254.10	113.59	82.467		
9,800.00	7,065.16	10,885.24	7,190.35	90.09	85.94	-158.08	-224.46	-10,931.37	9,267.70	9,154.09	113.62	81.570		
9,900.00	7,065.39	10,884.85	7,190.34	92.73	85.93	-158.26	-224.08	-10,931.37	9,167.71	9,054.07	113.64	80.672		
10,000.00	7,065.62	10,884.47	7,190.33	95.38	85.93	-158.43	-223.69	-10,931.38	9,067.72	8,954.05	113.67	79.775		
10,100.00	7,065.85	10,884.08	7,190.32	98.04	85.92	-158.60	-223.30	-10,931.38	8,967.73	8,854.04	113.69	78.876		
10,200.00	7,066.08	10,883.68	7,190.32	100.71	85.91	-158.78	-222.91	-10,931.39	8,867.74	8,754.02	113.72	77.978		
10,300.00	7,066.31	10,883.29	7,190.31	103.39	85.90	-158.96	-222.51	-10,931.39	8,767.75	8,654.00	113.75	77.079		
10,400.00	7,066.54	10,882.89	7,190.30	106.08	85.89	-159.14	-222.12	-10,931.39	8,667.76	8,553.98	113.78	76.179		
10,500.00	7,066.77	10,882.49	7,190.29	108.78	85.89	-159.32	-221.72	-10,931.40	8,567.77	8,453.95	113.81	75.279		
10,600.00	7,067.01	10,882.09	7,190.28	111.48	85.88	-159.50	-221.32	-10,931.40	8,467.78	8,353.93	113.85	74.379		
10,700.00	7,067.24	10,881.69	7,190.27	114.20	85.87	-159.68	-220.92	-10,931.41	8,367.78	8,253.90	113.88	73.479		
10,800.00	7,067.47	10,881.28	7,190.27	116.92	85.86	-159.87	-220.51	-10,931.41	8,267.79	8,153.88	113.92	72.579		
10,900.00	7,067.70	10,880.88	7,190.26	119.65	85.86	-160.05	-220.10	-10,931.41	8,167.80	8,053.85	113.95	71.678		
11,000.00	7,067.93	10,880.47	7,190.25	122.38	85.85	-160.24	-219.69	-10,931.42	8,067.82	7,953.83	113.99	70.777		
11,100.00	7,068.16	10,880.05	7,190.24	125.12	85.84	-160.43	-219.28	-10,931.42	7,967.83	7,853.80	114.03	69.876		
11,200.00	7,068.39	10,879.64	7,190.23	127.86	85.83	-160.62	-218.87	-10,931.43	7,867.84	7,753.77	114.07	68.974		
11,300.00	7,068.62	10,879.22	7,190.22	130.61	85.82	-160.82	-218.45	-10,931.43	7,767.85	7,653.74	114.11	68.073		
11,400.00	7,068.85	10,878.80	7,190.21	133.37	85.82	-161.01	-218.03	-10,931.44	7,667.86	7,553.71	114.15	67.172		
11,500.00	7,069.08	10,878.38	7,190.20	136.12	85.81	-161.21	-217.61	-10,931.44	7,567.87	7,453.67	114.20	66.270		
11,600.00	7,069.31	10,877.96	7,190.19	138.89	85.80	-161.40	-217.18	-10,931.44	7,467.88	7,353.64	114.24	65.369		
11,700.00	7,069.54	10,877.53	7,190.18	141.65	85.79	-161.60	-216.76	-10,931.45	7,367.89	7,253.61	114.29	64.467		
11,800.00	7,069.77	10,877.10	7,190.17	144.42	85.78	-161.80	-216.33	-10,931.45	7,267.91	7,153.57	114.34	63.566		
11,900.00	7,070.00	10,876.67	7,190.16	147.19	85.77	-162.01	-215.91	-10,931.46	7,167.92	7,053.53	114.39	62.664		
12,000.00	7,070.23	10,876.23	7,190.15	149.97	85.77	-162.21	-215.46	-10,931.46	7,067.93	6,953.50	114.44	61.763		
12,100.00	7,070.46	10,875.80	7,190.14	152.75	85.76	-162.42	-215.02	-10,931.47	6,967.95	6,853.46	114.49	60.862		
12,200.00	7,070.69	10,875.36	7,190.13	155.53	85.75	-162.62	-214.58	-10,931.47	6,867.96	6,753.42	114.54	59.961		
12,300.00	7,070.92	10,874.91	7,190.12	158.32	85.74	-162.83	-214.14	-10,931.48	6,767.97	6,653.38	114.59	59.060		
12,400.00	7,071.16	10,874.47	7,190.11	161.10	85.73	-163.04	-213.70	-10,931.48	6,667.99	6,553.34	114.65	58.160		
12,500.00	7,071.39	10,874.02	7,190.10	163.89	85.72	-163.26	-213.25	-10,931.49	6,568.00	6,453.30	114.71	57.259		
12,600.00	7,071.62	10,873.57	7,190.09	166.69	85.71	-163.47	-212.80	-10,931.49	6,468.02	6,353.25	114.76	56.359		
12,700.00	7,071.85	10,873.12	7,190.08	169.48	85.71	-163.69	-212.34	-10,931.50	6,368.03	6,253.21	114.82	55.459		
12,800.00	7,072.08	10,872.66	7,190.07	172.28	85.70	-163.91	-211.89	-10,931.50	6,268.05	6,153.17	114.88	54.560		
12,900.00	7,072.31	10,872.20	7,190.06	175.08	85.69	-164.13	-211.43	-10,931.51	6,168.07	6,053.12	114.95	53.660		
13,000.00	7,072.54	10,871.74	7,190.05	177.88	85.68	-164.35	-210.97	-10,931.51	6,068.09	5,953.08	115.01	52.761		
13,100.00	7,072.77	10,871.28	7,190.04	180.68	85.67	-164.57	-210.51	-10,931.52	5,968.10	5,853.03	115.07	51.863		
13,200.00	7,073.00	10,870.81	7,190.03	183.48	85.66	-164.80	-210.04	-10,931.52	5,868.12	5,752.98	115.14	50.965		
13,300.00	7,073.23	10,870.34	7,190.02	186.29	85.65	-165.02	-209.57	-10,931.53	5,768.14	5,652.93	115.21	50.067		
13,400.00	7,073.46	10,869.87	7,190.00	189.09	85.64	-165.25	-209.10	-10,931.53	5,668.16	5,552.88	115.28	49.170		
13,500.00	7,073.69	10,869.39	7,189.99	191.90	85.63	-165.49	-208.62	-10,931.54	5,568.18	5,452.83	115.35	48.273		
13,600.00	7,073.92	10,868.91	7,189.98	194.71	85.63	-165.72	-208.14	-10,931.54	5,468.20	5,352.78	115.42	47.377		
13,700.00	7,074.15	10,868.43	7,189.97	197.52	85.62	-165.95	-207.66	-10,931.55	5,368.22	5,252.73	115.49	46.481		
13,800.00	7,074.38	10,867.95	7,189.96	200.34	85.61	-166.19	-207.18	-10,931.55	5,268.25	5,152.68	115.57	45.586		
13,900.00	7,074.61	10,867.46	7,189.94	203.15	85.60	-166.43	-206.69	-10,931.56	5,168.27	5,052.62	115.64	44.691		
14,000.00	7,074.84	10,866.97	7,189.93	205.97	85.59	-166.67	-206.20	-10,931.56	5,068.29	4,952.57	115.72	43.797		
14,100.00	7,075.07	10,866.48	7,189.92	208.78	85.58	-166.92	-205.71	-10,931.57	4,968.32	4,852.52	115.80	42.904		
14,200.00	7,075.30	10,865.98	7,189.91	211.60	85.57	-167.16	-205.21	-10,931.57	4,868.34	4,752.46	115.88	42.011		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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
Falken 9-11 PAD - Merritt #6-66-9-0857CH(PR) - OH - OH														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	7,075.54	10,865.48	7,189.89	214.42	85.56	-167.41	-204.71	-10,931.58	4,768.37	4,652.41	115.97	41.119		
14,400.00	7,075.77	10,864.98	7,189.88	217.24	85.55	-167.66	-204.21	-10,931.59	4,668.40	4,552.35	116.05	40.228		
14,500.00	7,076.00	10,864.47	7,189.87	220.06	85.54	-167.91	-203.70	-10,931.59	4,568.43	4,452.29	116.14	39.337		
14,600.00	7,076.23	10,863.96	7,189.85	222.88	85.53	-168.17	-203.19	-10,931.60	4,468.46	4,352.23	116.22	38.447		
14,700.00	7,076.46	10,863.45	7,189.84	225.70	85.52	-168.42	-202.68	-10,931.60	4,368.49	4,252.18	116.31	37.557		
14,800.00	7,076.69	10,862.93	7,189.83	228.53	85.51	-168.68	-202.16	-10,931.61	4,268.52	4,152.12	116.41	36.669		
14,900.00	7,076.92	10,862.41	7,189.81	231.35	85.50	-168.94	-201.64	-10,931.61	4,168.56	4,052.06	116.50	35.781		
15,000.00	7,077.15	10,861.89	7,189.80	234.18	85.49	-169.20	-201.12	-10,931.62	4,068.60	3,952.00	116.60	34.894		
15,100.00	7,077.38	10,861.36	7,189.79	237.00	85.48	-169.47	-200.60	-10,931.63	3,968.63	3,851.94	116.70	34.008		
15,200.00	7,077.61	10,860.83	7,189.77	239.83	85.47	-169.74	-200.07	-10,931.63	3,868.67	3,751.88	116.80	33.123		
15,300.00	7,077.84	10,860.30	7,189.76	242.66	85.46	-170.00	-199.53	-10,931.64	3,768.72	3,651.82	116.90	32.239		
15,400.00	7,078.07	10,859.76	7,189.74	245.49	85.45	-170.28	-199.00	-10,931.64	3,668.76	3,551.75	117.01	31.355		
15,500.00	7,078.30	10,859.22	7,189.73	248.31	85.44	-170.55	-198.46	-10,931.65	3,568.81	3,451.69	117.12	30.472		
15,600.00	7,078.53	10,858.68	7,189.71	251.14	85.43	-170.83	-197.91	-10,931.66	3,468.86	3,351.63	117.23	29.591		
15,700.00	7,078.76	10,858.13	7,189.70	253.97	85.42	-171.11	-197.37	-10,931.66	3,368.91	3,251.57	117.34	28.710		
15,800.00	7,078.99	10,857.58	7,189.68	256.80	85.41	-171.39	-196.82	-10,931.67	3,268.97	3,151.50	117.46	27.830		
15,900.00	7,079.22	10,857.03	7,189.67	259.64	85.40	-171.67	-196.26	-10,931.67	3,169.02	3,051.44	117.58	26.951		
16,000.00	7,079.45	10,856.47	7,189.65	262.47	85.39	-171.96	-195.70	-10,931.68	3,069.09	2,951.38	117.71	26.073		
16,100.00	7,079.69	10,855.91	7,189.63	265.30	85.37	-172.24	-195.14	-10,931.69	2,969.15	2,851.31	117.84	25.197		
16,200.00	7,079.92	10,855.34	7,189.62	268.13	85.36	-172.53	-194.58	-10,931.69	2,869.22	2,751.25	117.97	24.321		
16,300.00	7,080.15	10,854.77	7,189.60	270.97	85.35	-172.83	-194.01	-10,931.70	2,769.30	2,651.19	118.11	23.446		
16,400.00	7,080.38	10,854.20	7,189.58	273.80	85.34	-173.12	-193.43	-10,931.71	2,669.38	2,551.12	118.26	22.572		
16,500.00	7,080.61	10,853.62	7,189.57	276.64	85.33	-173.42	-192.86	-10,931.71	2,569.47	2,451.06	118.41	21.699		
16,600.00	7,080.84	10,853.04	7,189.55	279.47	85.32	-173.72	-192.28	-10,931.72	2,469.56	2,350.99	118.57	20.828		
16,700.00	7,081.07	10,852.46	7,189.53	282.31	85.31	-174.02	-191.69	-10,931.73	2,369.67	2,250.93	118.74	19.957		
16,800.00	7,081.30	10,851.87	7,189.51	285.14	85.30	-174.33	-191.10	-10,931.73	2,269.78	2,150.86	118.91	19.087		
16,900.00	7,081.53	10,851.27	7,189.50	287.98	85.28	-174.64	-190.51	-10,931.74	2,169.90	2,050.80	119.10	18.219		
17,000.00	7,081.76	10,850.68	7,189.48	290.82	85.27	-174.95	-189.91	-10,931.75	2,070.03	1,950.74	119.30	17.352		
17,100.00	7,081.99	10,850.07	7,189.46	293.65	85.26	-175.26	-189.31	-10,931.75	1,970.18	1,850.67	119.51	16.486		
17,200.00	7,082.22	10,849.47	7,189.44	296.49	85.25	-175.58	-188.71	-10,931.76	1,870.34	1,750.61	119.74	15.621		
17,300.00	7,082.45	10,848.86	7,189.42	299.33	85.24	-175.90	-188.10	-10,931.77	1,770.52	1,650.54	119.98	14.757		
17,400.00	7,082.68	10,848.24	7,189.40	302.17	85.23	-176.22	-187.48	-10,931.77	1,670.73	1,550.48	120.25	13.894		
17,500.00	7,082.91	10,847.63	7,189.39	305.01	85.21	-176.54	-186.87	-10,931.78	1,570.95	1,450.41	120.54	13.033		
17,600.00	7,083.14	10,847.00	7,189.37	307.85	85.20	-176.87	-186.24	-10,931.79	1,471.21	1,350.34	120.87	12.172		
17,700.00	7,083.37	10,846.38	7,189.35	310.69	85.19	-177.19	-185.62	-10,931.80	1,371.50	1,250.27	121.23	11.313		
17,800.00	7,083.60	10,845.74	7,189.33	313.53	85.18	-177.53	-184.98	-10,931.80	1,271.84	1,150.20	121.65	10.455		
17,900.00	7,083.84	10,845.11	7,189.31	316.37	85.17	-177.86	-184.35	-10,931.81	1,172.24	1,050.12	122.12	9.599		
18,000.00	7,084.07	10,844.47	7,189.29	319.21	85.15	-178.20	-183.71	-10,931.82	1,072.72	950.03	122.69	8.744		
18,100.00	7,084.30	10,843.82	7,189.27	322.05	85.14	-178.54	-183.06	-10,931.83	973.28	849.92	123.36	7.890		
18,200.00	7,084.53	10,843.17	7,189.24	324.89	85.13	-178.88	-182.41	-10,931.83	873.98	749.80	124.19	7.038		
18,300.00	7,084.76	10,842.52	7,189.22	327.73	85.12	-179.22	-181.76	-10,931.84	774.86	649.63	125.23	6.188		
18,400.00	7,084.99	10,841.86	7,189.20	330.57	85.10	-179.57	-181.10	-10,931.85	675.99	549.40	126.59	5.340		
18,500.00	7,085.22	10,841.19	7,189.18	333.41	85.09	-179.92	-180.44	-10,931.86	577.52	449.07	128.45	4.496		
18,600.00	7,085.45	10,840.52	7,189.16	336.26	85.08	-179.73	-179.77	-10,931.87	479.67	348.57	131.10	3.659		
18,700.00	7,085.68	10,839.85	7,189.14	339.10	85.06	-179.37	-179.09	-10,931.87	382.94	247.79	135.15	2.833		
18,800.00	7,085.91	10,839.17	7,189.11	341.94	85.05	-179.01	-178.42	-10,931.88	288.44	146.67	141.77	2.035		
18,839.14	7,086.00	10,838.90	7,189.10	343.06	85.05	-178.87	-178.15	-10,931.89	252.61	107.12	145.49	1.736 CC, ES, SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,300.00	7,064.01	10,546.00	7,108.42	77.16	82.12	105.95	-85.15	-11,118.90	9,954.06	9,843.87	110.19	90.338		
9,400.00	7,064.24	10,546.00	7,108.42	79.71	82.12	105.95	-85.15	-11,118.90	9,854.06	9,743.86	110.21	89.415		
9,500.00	7,064.47	10,546.00	7,108.42	82.28	82.12	105.95	-85.15	-11,118.90	9,754.07	9,643.84	110.23	88.491		
9,600.00	7,064.70	10,546.00	7,108.42	84.87	82.12	105.95	-85.15	-11,118.90	9,654.07	9,543.83	110.25	87.567		
9,700.00	7,064.93	10,546.00	7,108.42	87.47	82.12	105.95	-85.15	-11,118.90	9,554.08	9,443.81	110.27	86.642		
9,800.00	7,065.16	10,546.00	7,108.42	90.09	82.12	105.95	-85.15	-11,118.90	9,454.08	9,343.79	110.29	85.717		
9,900.00	7,065.39	10,546.00	7,108.42	92.73	82.12	105.95	-85.15	-11,118.90	9,354.09	9,243.77	110.32	84.790		
10,000.00	7,065.62	10,546.00	7,108.42	95.38	82.12	105.95	-85.15	-11,118.90	9,254.10	9,143.75	110.35	83.864		
10,100.00	7,065.85	10,546.00	7,108.42	98.04	82.12	105.95	-85.15	-11,118.90	9,154.10	9,043.73	110.37	82.937		
10,200.00	7,066.08	10,546.00	7,108.42	100.71	82.12	105.95	-85.15	-11,118.90	9,054.11	8,943.70	110.40	82.010		
10,300.00	7,066.31	10,546.00	7,108.42	103.39	82.12	105.95	-85.15	-11,118.90	8,954.11	8,843.68	110.43	81.082		
10,400.00	7,066.54	10,546.00	7,108.42	106.08	82.12	105.95	-85.15	-11,118.90	8,854.12	8,743.66	110.46	80.154		
10,500.00	7,066.77	10,546.00	7,108.42	108.78	82.12	105.95	-85.15	-11,118.90	8,754.13	8,643.63	110.50	79.226		
10,600.00	7,067.01	10,546.00	7,108.42	111.48	82.12	105.95	-85.15	-11,118.90	8,654.13	8,543.60	110.53	78.297		
10,700.00	7,067.24	10,546.00	7,108.42	114.20	82.12	105.95	-85.15	-11,118.90	8,554.14	8,443.58	110.56	77.368		
10,800.00	7,067.47	10,546.00	7,108.42	116.92	82.12	105.95	-85.15	-11,118.90	8,454.15	8,343.55	110.60	76.439		
10,900.00	7,067.70	10,546.00	7,108.42	119.65	82.12	105.95	-85.15	-11,118.90	8,354.15	8,243.52	110.64	75.510		
11,000.00	7,067.93	10,546.00	7,108.42	122.38	82.12	105.95	-85.15	-11,118.90	8,254.16	8,143.49	110.68	74.580		
11,100.00	7,068.16	10,546.00	7,108.42	125.12	82.12	105.95	-85.15	-11,118.90	8,154.17	8,043.45	110.71	73.650		
11,200.00	7,068.39	10,546.00	7,108.42	127.86	82.12	105.95	-85.15	-11,118.90	8,054.18	7,943.42	110.76	72.721		
11,300.00	7,068.62	10,546.00	7,108.42	130.61	82.12	105.95	-85.15	-11,118.90	7,954.18	7,843.39	110.80	71.791		
11,400.00	7,068.85	10,546.00	7,108.42	133.37	82.12	105.95	-85.15	-11,118.90	7,854.19	7,743.35	110.84	70.861		
11,500.00	7,069.08	10,546.00	7,108.42	136.12	82.12	105.95	-85.15	-11,118.90	7,754.20	7,643.32	110.88	69.931		
11,600.00	7,069.31	10,546.00	7,108.42	138.89	82.12	105.95	-85.15	-11,118.90	7,654.21	7,543.28	110.93	69.001		
11,700.00	7,069.54	10,546.00	7,108.42	141.65	82.12	105.95	-85.15	-11,118.90	7,554.22	7,443.24	110.98	68.071		
11,800.00	7,069.77	10,546.00	7,108.42	144.42	82.12	105.95	-85.15	-11,118.90	7,454.23	7,343.20	111.02	67.141		
11,900.00	7,070.00	10,546.00	7,108.42	147.19	82.12	105.95	-85.15	-11,118.90	7,354.23	7,243.16	111.07	66.211		
12,000.00	7,070.23	10,546.00	7,108.42	149.97	82.12	105.95	-85.15	-11,118.90	7,254.24	7,143.12	111.12	65.282		
12,100.00	7,070.46	10,546.00	7,108.42	152.75	82.12	105.95	-85.15	-11,118.90	7,154.25	7,043.08	111.17	64.352		
12,200.00	7,070.69	10,546.00	7,108.42	155.53	82.12	105.95	-85.15	-11,118.90	7,054.26	6,943.04	111.23	63.423		
12,300.00	7,070.92	10,546.00	7,108.42	158.32	82.12	105.95	-85.15	-11,118.90	6,954.27	6,842.99	111.28	62.494		
12,400.00	7,071.16	10,546.00	7,108.42	161.10	82.12	105.95	-85.15	-11,118.90	6,854.28	6,742.95	111.33	61.565		
12,500.00	7,071.39	10,546.00	7,108.42	163.89	82.12	105.95	-85.15	-11,118.90	6,754.30	6,642.90	111.39	60.636		
12,600.00	7,071.62	10,546.00	7,108.42	166.69	82.12	105.95	-85.15	-11,118.90	6,654.31	6,542.86	111.45	59.708		
12,700.00	7,071.85	10,546.00	7,108.42	169.48	82.12	105.95	-85.15	-11,118.90	6,554.32	6,442.81	111.51	58.780		
12,800.00	7,072.08	10,546.00	7,108.42	172.28	82.12	105.95	-85.15	-11,118.90	6,454.33	6,342.76	111.57	57.852		
12,900.00	7,072.31	10,546.00	7,108.42	175.08	82.12	105.95	-85.15	-11,118.90	6,354.34	6,242.71	111.63	56.925		
13,000.00	7,072.54	10,546.00	7,108.42	177.88	82.12	105.95	-85.15	-11,118.90	6,254.35	6,142.66	111.69	55.998		
13,100.00	7,072.77	10,546.00	7,108.42	180.68	82.12	105.95	-85.15	-11,118.90	6,154.37	6,042.61	111.75	55.071		
13,200.00	7,073.00	10,546.00	7,108.42	183.48	82.12	105.95	-85.15	-11,118.90	6,054.38	5,942.56	111.82	54.145		
13,300.00	7,073.23	10,546.00	7,108.42	186.29	82.12	105.95	-85.15	-11,118.90	5,954.39	5,842.51	111.89	53.219		
13,400.00	7,073.46	10,574.37	7,108.19	189.09	82.66	111.90	-113.52	-11,118.95	5,854.21	5,741.64	112.57	52.007		
13,500.00	7,073.69	10,574.78	7,108.19	191.90	82.67	112.02	-113.92	-11,118.95	5,754.21	5,641.57	112.64	51.085		
13,600.00	7,073.92	10,575.19	7,108.18	194.71	82.68	112.14	-114.33	-11,118.95	5,654.22	5,541.50	112.72	50.163		
13,700.00	7,074.15	10,575.60	7,108.18	197.52	82.69	112.26	-114.75	-11,118.95	5,554.23	5,441.43	112.80	49.241		
13,800.00	7,074.38	10,576.03	7,108.18	200.34	82.70	112.39	-115.18	-11,118.96	5,454.24	5,341.36	112.88	48.320		
13,900.00	7,074.61	10,576.47	7,108.17	203.15	82.70	112.52	-115.62	-11,118.96	5,354.25	5,241.29	112.96	47.400		
14,000.00	7,074.84	10,576.92	7,108.17	205.97	82.71	112.66	-116.07	-11,118.96	5,254.26	5,141.22	113.04	46.481		
14,100.00	7,075.07	10,577.38	7,108.16	208.78	82.72	112.80	-116.53	-11,118.97	5,154.27	5,041.14	113.12	45.563		
14,200.00	7,075.30	10,577.86	7,108.16	211.60	82.73	112.94	-117.00	-11,118.97	5,054.28	4,941.07	113.21	44.645		
14,300.00	7,075.54	10,578.34	7,108.16	214.42	82.74	113.10	-117.49	-11,118.97	4,954.29	4,840.99	113.30	43.728		
14,400.00	7,075.77	10,578.84	7,108.15	217.24	82.75	113.26	-117.98	-11,118.98	4,854.30	4,740.91	113.39	42.812		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,500.00	7,076.00	10,579.35	7,108.15	220.06	82.76	113.42	-118.49	-11,118.98	4,754.31	4,640.83	113.48	41.897		
14,600.00	7,076.23	10,579.87	7,108.14	222.88	82.77	113.59	-119.01	-11,118.99	4,654.32	4,540.75	113.57	40.983		
14,700.00	7,076.46	10,580.41	7,108.14	225.70	82.78	113.77	-119.55	-11,118.99	4,554.33	4,440.67	113.66	40.069		
14,800.00	7,076.69	10,580.96	7,108.13	228.53	82.79	113.96	-120.10	-11,119.00	4,454.34	4,340.58	113.76	39.157		
14,900.00	7,076.92	10,581.52	7,108.13	231.35	82.80	114.15	-120.67	-11,119.00	4,354.35	4,240.50	113.85	38.246		
15,000.00	7,077.15	10,582.10	7,108.12	234.18	82.81	114.35	-121.25	-11,119.01	4,254.36	4,140.41	113.95	37.335		
15,100.00	7,077.38	10,582.70	7,108.11	237.00	82.82	114.56	-121.85	-11,119.01	4,154.37	4,040.32	114.05	36.426		
15,200.00	7,077.61	10,583.32	7,108.11	239.83	82.84	114.79	-122.46	-11,119.02	4,054.39	3,940.23	114.15	35.517		
15,300.00	7,077.84	10,583.95	7,108.10	242.66	82.85	115.02	-123.09	-11,119.02	3,954.40	3,840.14	114.26	34.610		
15,400.00	7,078.07	10,584.60	7,108.10	245.49	82.86	115.26	-123.74	-11,119.03	3,854.41	3,740.05	114.36	33.704		
15,500.00	7,078.30	10,585.27	7,108.09	248.31	82.87	115.51	-124.41	-11,119.04	3,754.43	3,639.96	114.47	32.799		
15,600.00	7,078.53	10,585.96	7,108.08	251.14	82.89	115.78	-125.10	-11,119.04	3,654.44	3,539.86	114.58	31.895		
15,700.00	7,078.76	10,586.67	7,108.08	253.97	82.90	116.06	-125.81	-11,119.05	3,554.46	3,439.77	114.69	30.992		
15,800.00	7,078.99	10,587.40	7,108.07	256.80	82.91	116.36	-126.55	-11,119.06	3,454.47	3,339.67	114.80	30.090		
15,900.00	7,079.22	10,588.16	7,108.06	259.64	82.93	116.67	-127.30	-11,119.07	3,354.49	3,239.57	114.92	29.190		
16,000.00	7,079.45	10,588.94	7,108.05	262.47	82.94	117.00	-128.08	-11,119.07	3,254.50	3,139.47	115.04	28.291		
16,100.00	7,079.69	10,589.74	7,108.04	265.30	82.96	117.35	-128.89	-11,119.08	3,154.52	3,039.36	115.16	27.393		
16,200.00	7,079.92	10,590.57	7,108.04	268.13	82.98	117.71	-129.72	-11,119.09	3,054.54	2,939.26	115.28	26.496		
16,300.00	7,080.15	10,591.43	7,108.03	270.97	82.99	118.11	-130.58	-11,119.10	2,954.56	2,839.15	115.41	25.601		
16,400.00	7,080.38	10,592.32	7,108.02	273.80	83.01	118.52	-131.46	-11,119.11	2,854.58	2,739.04	115.54	24.707		
16,500.00	7,080.61	10,593.24	7,108.01	276.64	83.03	118.96	-132.38	-11,119.13	2,754.60	2,638.93	115.67	23.814		
16,600.00	7,080.84	10,594.19	7,108.00	279.47	83.05	119.43	-133.34	-11,119.14	2,654.62	2,538.81	115.80	22.923		
16,700.00	7,081.07	10,595.18	7,107.99	282.31	83.06	119.93	-134.32	-11,119.15	2,554.64	2,438.70	115.94	22.034		
16,800.00	7,081.30	10,596.20	7,107.98	285.14	83.08	120.47	-135.34	-11,119.16	2,454.66	2,338.58	116.09	21.145		
16,900.00	7,081.53	10,597.26	7,107.97	287.98	83.10	121.05	-136.40	-11,119.18	2,354.69	2,238.45	116.23	20.258		
17,000.00	7,081.76	10,598.36	7,107.95	290.82	83.13	121.67	-137.50	-11,119.19	2,254.71	2,138.33	116.38	19.373		
17,100.00	7,081.99	10,599.50	7,107.94	293.65	83.15	122.34	-138.65	-11,119.21	2,154.74	2,038.20	116.54	18.490		
17,200.00	7,082.22	10,600.69	7,107.93	296.49	83.17	123.06	-139.83	-11,119.23	2,054.77	1,938.07	116.70	17.608		
17,300.00	7,082.45	10,601.93	7,107.91	299.33	83.19	123.85	-141.07	-11,119.25	1,954.80	1,837.93	116.86	16.727		
17,400.00	7,082.68	10,603.21	7,107.90	302.17	83.22	124.70	-142.35	-11,119.27	1,854.83	1,737.79	117.04	15.848		
17,500.00	7,082.91	10,604.55	7,107.89	305.01	83.24	125.63	-143.69	-11,119.29	1,754.86	1,637.65	117.21	14.971		
17,600.00	7,083.14	10,605.95	7,107.87	307.85	83.27	126.65	-145.09	-11,119.31	1,654.90	1,537.50	117.40	14.096		
17,700.00	7,083.37	10,607.41	7,107.85	310.69	83.30	127.77	-146.55	-11,119.34	1,554.94	1,437.34	117.60	13.223		
17,800.00	7,083.60	10,608.93	7,107.83	313.53	83.33	129.00	-148.07	-11,119.36	1,454.98	1,337.18	117.80	12.351		
17,900.00	7,083.84	10,610.52	7,107.82	316.37	83.36	130.36	-149.66	-11,119.39	1,355.02	1,237.00	118.02	11.481		
18,000.00	7,084.07	10,612.19	7,107.80	319.21	83.39	131.88	-151.33	-11,119.42	1,255.07	1,136.82	118.25	10.614		
18,100.00	7,084.30	10,613.94	7,107.78	322.05	83.43	133.57	-153.08	-11,119.46	1,155.13	1,036.63	118.50	9.748		
18,200.00	7,084.53	10,615.77	7,107.75	324.89	83.46	135.48	-154.91	-11,119.49	1,055.19	936.42	118.77	8.885		
18,300.00	7,084.76	10,617.70	7,107.73	327.73	83.50	137.62	-156.84	-11,119.53	955.25	836.19	119.06	8.023		
18,400.00	7,084.99	10,619.72	7,107.71	330.57	83.54	140.05	-158.86	-11,119.58	855.33	735.94	119.39	7.164		
18,500.00	7,085.22	10,621.85	7,107.68	333.41	83.58	142.81	-160.99	-11,119.62	755.42	635.66	119.76	6.308		
18,600.00	7,085.45	10,624.10	7,107.65	336.26	83.62	145.96	-163.24	-11,119.67	655.53	535.32	120.21	5.453		
18,700.00	7,085.68	10,626.48	7,107.62	339.10	83.67	149.58	-165.61	-11,119.73	555.67	434.92	120.75	4.602		
18,800.00	7,085.91	10,628.99	7,107.59	341.94	83.72	153.72	-168.12	-11,119.79	455.85	334.38	121.46	3.753		
18,839.14	7,086.00	10,630.01	7,107.57	343.06	83.74	155.51	-169.14	-11,119.81	416.79	294.98	121.82	3.422 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-143.74	-2,492.51	-1,828.12	3,091.13					
100.00	100.00	79.00	79.00	3.28	3.56	-143.74	-2,492.51	-1,828.12	3,091.06	3,084.21	6.84	451.725		
200.00	200.00	179.00	179.00	3.34	5.57	-143.74	-2,492.51	-1,828.12	3,091.06	3,082.15	8.91	346.986		
300.00	300.00	279.00	279.00	3.44	8.64	-143.74	-2,492.51	-1,828.12	3,091.06	3,078.97	12.09	255.755		
400.00	399.98	378.98	378.98	3.60	11.94	120.76	-2,492.51	-1,828.12	3,091.95	3,076.40	15.54	198.925		
500.00	499.84	478.84	478.84	3.80	15.33	120.80	-2,492.51	-1,828.12	3,094.63	3,075.51	19.12	161.834		
600.00	599.45	578.45	578.45	4.04	18.74	120.86	-2,492.51	-1,828.12	3,099.11	3,076.34	22.77	136.089		
700.00	698.70	677.70	677.70	4.31	22.16	120.94	-2,492.51	-1,828.12	3,105.40	3,078.93	26.47	117.325		
800.00	797.47	776.47	776.47	4.62	25.57	121.05	-2,492.51	-1,828.12	3,113.53	3,083.34	30.19	103.119		
900.00	895.62	874.62	874.62	4.97	28.97	121.17	-2,492.51	-1,828.12	3,123.53	3,089.59	33.94	92.037		
980.89	974.49	953.49	953.49	5.27	31.71	121.28	-2,492.51	-1,828.12	3,132.99	3,096.02	36.98	84.733		
1,000.00	993.07	972.07	972.07	5.34	32.36	121.35	-2,492.51	-1,828.12	3,135.38	3,097.69	37.69	83.179		
1,100.00	1,090.26	1,069.26	1,069.26	5.75	35.73	121.71	-2,492.51	-1,828.12	3,147.95	3,106.49	41.47	75.914		
1,200.00	1,187.45	1,166.45	1,166.45	6.17	39.11	122.07	-2,492.51	-1,828.12	3,160.65	3,115.39	45.26	69.831		
1,300.00	1,284.64	1,263.64	1,263.64	6.62	42.49	122.42	-2,492.51	-1,828.12	3,173.47	3,124.39	49.07	64.668		
1,400.00	1,381.83	1,360.83	1,360.83	7.07	45.88	122.77	-2,492.51	-1,828.12	3,186.41	3,133.51	52.90	60.236		
1,500.00	1,479.01	1,458.01	1,458.01	7.54	49.26	123.12	-2,492.51	-1,828.12	3,199.47	3,142.73	56.73	56.393		
1,600.00	1,576.20	1,555.20	1,555.20	8.02	52.65	123.46	-2,492.51	-1,828.12	3,212.65	3,152.07	60.58	53.031		
1,700.00	1,673.39	1,652.39	1,652.39	8.50	56.04	123.81	-2,492.51	-1,828.12	3,225.95	3,161.51	64.43	50.067		
1,800.00	1,770.58	1,749.58	1,749.58	8.99	59.42	124.15	-2,492.51	-1,828.12	3,239.36	3,171.07	68.29	47.434		
1,900.00	1,867.77	1,846.77	1,846.77	9.48	62.81	124.48	-2,492.51	-1,828.12	3,252.89	3,180.74	72.16	45.081		
2,000.00	1,964.96	1,943.96	1,943.96	9.98	66.20	124.82	-2,492.51	-1,828.12	3,266.54	3,190.51	76.03	42.967		
2,100.00	2,062.15	2,041.15	2,041.15	10.49	69.59	125.15	-2,492.51	-1,828.12	3,280.30	3,200.40	79.90	41.056		
2,200.00	2,159.34	2,138.34	2,138.34	10.99	72.98	125.48	-2,492.51	-1,828.12	3,294.16	3,210.39	83.77	39.323		
2,300.00	2,256.53	2,235.53	2,235.53	11.50	76.37	125.80	-2,492.51	-1,828.12	3,308.14	3,220.49	87.65	37.743		
2,400.00	2,353.71	2,332.71	2,332.71	12.01	79.76	126.13	-2,492.51	-1,828.12	3,322.23	3,230.70	91.53	36.297		
2,500.00	2,450.90	2,429.90	2,429.90	12.53	83.15	126.45	-2,492.51	-1,828.12	3,336.42	3,241.01	95.41	34.969		
2,600.00	2,548.09	2,527.09	2,527.09	13.04	86.54	126.76	-2,492.51	-1,828.12	3,350.71	3,251.42	99.29	33.745		
2,700.00	2,645.28	2,624.28	2,624.28	13.56	89.93	127.08	-2,492.51	-1,828.12	3,365.11	3,261.94	103.18	32.615		
2,800.00	2,742.47	2,721.47	2,721.47	14.08	93.32	127.39	-2,492.51	-1,828.12	3,379.62	3,272.56	107.06	31.567		
2,900.00	2,839.66	2,818.66	2,818.66	14.60	96.71	127.70	-2,492.51	-1,828.12	3,394.22	3,283.27	110.95	30.593		
3,000.00	2,936.85	2,915.85	2,915.85	15.12	100.10	128.01	-2,492.51	-1,828.12	3,408.93	3,294.09	114.84	29.685		
3,100.00	3,034.04	3,013.04	3,013.04	15.65	103.49	128.32	-2,492.51	-1,828.12	3,423.73	3,305.01	118.72	28.838		
3,200.00	3,131.22	3,110.22	3,110.22	16.17	106.88	128.62	-2,492.51	-1,828.12	3,438.63	3,316.02	122.61	28.045		
3,300.00	3,228.41	3,207.41	3,207.41	16.69	110.27	128.92	-2,492.51	-1,828.12	3,453.63	3,327.13	126.50	27.301		
3,400.00	3,325.60	3,304.60	3,304.60	17.22	113.67	129.22	-2,492.51	-1,828.12	3,468.72	3,338.33	130.39	26.603		
3,500.00	3,422.79	3,401.79	3,401.79	17.75	117.06	129.51	-2,492.51	-1,828.12	3,483.91	3,349.63	134.28	25.946		
3,600.00	3,519.98	3,501.02	3,498.98	18.27	120.52	129.80	-2,492.51	-1,828.12	3,499.19	3,360.95	138.24	25.313		
3,700.00	3,617.17	3,603.83	3,596.17	18.80	124.11	130.09	-2,492.51	-1,828.12	3,514.56	3,372.24	142.32	24.694		
3,800.00	3,714.36	3,706.64	3,693.36	19.33	127.70	130.38	-2,492.51	-1,828.12	3,530.02	3,383.61	146.41	24.111		
3,900.00	3,811.55	3,809.45	3,790.55	19.86	131.28	130.67	-2,492.51	-1,828.12	3,545.57	3,395.07	150.49	23.560		
4,000.00	3,908.74	3,887.74	3,887.74	20.39	134.02	130.95	-2,492.51	-1,828.12	3,561.20	3,407.48	153.72	23.166		
4,100.00	4,005.92	3,984.92	3,984.92	20.92	137.41	131.23	-2,492.51	-1,828.12	3,576.93	3,419.32	157.61	22.695		
4,200.00	4,103.11	4,082.11	4,082.11	21.45	140.80	131.51	-2,492.51	-1,828.12	3,592.74	3,431.24	161.50	22.246		
4,300.00	4,200.30	4,179.30	4,179.30	21.98	144.19	131.78	-2,492.51	-1,828.12	3,608.63	3,443.24	165.39	21.819		
4,400.00	4,297.49	4,276.49	4,276.49	22.51	147.58	132.06	-2,492.51	-1,828.12	3,624.61	3,455.33	169.28	21.412		
4,500.00	4,394.68	4,373.68	4,373.68	23.04	150.98	132.33	-2,492.51	-1,828.12	3,640.67	3,467.50	173.17	21.024		
4,600.00	4,491.87	4,470.87	4,470.87	23.57	154.37	132.60	-2,492.51	-1,828.12	3,656.80	3,479.75	177.06	20.653		
4,700.00	4,589.06	4,568.06	4,568.06	24.10	157.76	132.86	-2,492.51	-1,828.12	3,673.02	3,492.08	180.94	20.299		
4,800.00	4,686.25	4,665.25	4,665.25	24.64	161.15	133.13	-2,492.51	-1,828.12	3,689.32	3,504.49	184.83	19.960		
4,900.00	4,783.43	4,762.43	4,762.43	25.17	164.54	133.39	-2,492.51	-1,828.12	3,705.70	3,516.98	188.72	19.636		
5,000.00	4,880.62	4,859.62	4,859.62	25.70	167.94	133.65	-2,492.51	-1,828.12	3,722.15	3,529.55	192.61	19.325		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,956.81	4,956.81	26.23	171.33	133.90	-2,492.51	-1,828.12	3,738.68	3,542.19	196.49	19.027		
5,200.00	5,075.00	5,054.00	5,054.00	26.77	174.72	134.16	-2,492.51	-1,828.12	3,755.29	3,554.91	200.38	18.741		
5,300.00	5,172.19	5,151.19	5,151.19	27.30	178.11	134.41	-2,492.51	-1,828.12	3,771.96	3,567.70	204.27	18.466		
5,400.00	5,269.38	5,248.38	5,248.38	27.83	181.51	134.66	-2,492.51	-1,828.12	3,788.72	3,580.56	208.15	18.201		
5,457.75	5,325.51	5,304.51	5,304.51	28.14	183.46	134.81	-2,492.51	-1,828.12	3,798.42	3,588.02	210.40	18.053		
5,500.00	5,366.64	5,345.64	5,345.64	28.37	184.90	135.01	-2,492.51	-1,828.12	3,805.32	3,593.28	212.04	17.946		
5,600.00	5,464.53	5,443.53	5,443.53	28.87	188.32	135.43	-2,492.51	-1,828.12	3,819.96	3,604.02	215.93	17.690		
5,700.00	5,563.07	5,542.07	5,542.07	29.35	191.76	135.78	-2,492.51	-1,828.12	3,832.17	3,612.34	219.83	17.432		
5,800.00	5,662.15	5,641.15	5,641.15	29.80	195.22	136.05	-2,492.51	-1,828.12	3,841.93	3,618.20	223.73	17.172		
5,900.00	5,761.64	5,740.64	5,740.64	30.23	198.69	136.26	-2,492.51	-1,828.12	3,849.20	3,621.57	227.63	16.910		
6,000.00	5,861.42	5,840.42	5,840.42	30.64	202.17	136.39	-2,492.51	-1,828.12	3,853.97	3,622.44	231.52	16.646		
6,100.00	5,961.36	5,940.36	5,940.36	31.02	205.66	136.45	-2,492.51	-1,828.12	3,856.21	3,620.80	235.41	16.381		
6,138.64	6,000.00	5,979.00	5,979.00	31.16	207.01	-128.03	-2,492.51	-1,828.12	3,856.40	3,619.50	236.90	16.279		
6,200.00	6,061.36	6,040.36	6,040.36	31.38	209.15	-128.03	-2,492.51	-1,828.12	3,856.40	3,617.13	239.26	16.118		
6,300.00	6,161.36	6,140.36	6,140.36	31.74	212.64	-128.03	-2,492.51	-1,828.12	3,856.40	3,613.28	243.12	15.862		
6,400.00	6,261.36	6,240.36	6,240.36	32.10	216.13	-128.03	-2,492.51	-1,828.12	3,856.40	3,609.42	246.97	15.615		
6,500.00	6,361.36	6,340.36	6,340.36	32.46	219.62	-128.03	-2,492.51	-1,828.12	3,856.40	3,605.56	250.83	15.374		
6,562.02	6,423.38	6,402.38	6,402.38	32.68	221.79	-128.03	-2,492.51	-1,828.12	3,856.40	3,603.17	253.23	15.229		
6,600.00	6,461.34	6,440.34	6,440.34	32.82	223.11	-37.79	-2,492.51	-1,828.12	3,855.50	3,600.81	254.69	15.138		
6,650.00	6,511.08	6,509.92	6,490.08	32.99	225.54	-38.05	-2,492.51	-1,828.12	3,851.60	3,594.32	257.28	14.970		
6,700.00	6,560.29	6,539.29	6,539.29	33.17	226.57	-38.53	-2,492.51	-1,828.12	3,844.63	3,586.16	258.47	14.875		
6,750.00	6,608.64	6,587.64	6,587.64	33.36	228.25	-39.22	-2,492.51	-1,828.12	3,834.64	3,574.32	260.32	14.731		
6,800.00	6,655.86	6,634.86	6,634.86	33.56	229.90	-40.14	-2,492.51	-1,828.12	3,821.72	3,559.59	262.13	14.580		
6,850.00	6,701.64	6,680.64	6,680.64	33.78	231.50	-41.31	-2,492.51	-1,828.12	3,805.95	3,542.07	263.89	14.423		
6,900.00	6,745.71	6,724.71	6,724.71	34.01	233.04	-42.73	-2,492.51	-1,828.12	3,787.47	3,521.88	265.59	14.260		
6,950.00	6,787.79	6,766.79	6,766.79	34.27	234.51	-44.43	-2,492.51	-1,828.12	3,766.40	3,499.17	267.23	14.094		
7,000.00	6,827.62	6,806.62	6,806.62	34.56	235.90	-46.44	-2,492.51	-1,828.12	3,742.91	3,474.11	268.80	13.924		
7,050.00	6,864.96	6,843.96	6,843.96	34.87	237.20	-48.76	-2,492.51	-1,828.12	3,717.18	3,446.88	270.29	13.752		
7,100.00	6,899.58	6,878.58	6,878.58	35.21	238.41	-51.43	-2,492.51	-1,828.12	3,689.39	3,417.68	271.71	13.579		
7,150.00	6,931.26	6,910.26	6,910.26	35.60	239.51	-54.45	-2,492.51	-1,828.12	3,659.75	3,386.72	273.04	13.404		
7,200.00	6,959.81	6,938.81	6,938.81	36.02	240.51	-57.83	-2,492.51	-1,828.12	3,628.49	3,354.21	274.28	13.229		
7,250.00	6,985.06	6,964.06	6,964.06	36.47	241.39	-61.58	-2,492.51	-1,828.12	3,595.82	3,320.40	275.43	13.056		
7,300.00	7,006.84	6,985.84	6,985.84	36.97	242.15	-65.66	-2,492.51	-1,828.12	3,562.00	3,285.52	276.48	12.883		
7,350.00	7,025.02	7,004.02	7,004.02	37.51	242.79	-70.04	-2,492.51	-1,828.12	3,527.26	3,249.81	277.44	12.713		
7,400.00	7,039.49	7,018.49	7,018.49	38.09	243.29	-74.65	-2,492.51	-1,828.12	3,491.84	3,213.54	278.30	12.547		
7,450.00	7,050.17	7,029.17	7,029.17	38.70	243.67	-79.39	-2,492.51	-1,828.12	3,456.01	3,176.94	279.06	12.384		
7,500.00	7,056.98	7,035.98	7,035.98	39.33	243.90	-84.17	-2,492.51	-1,828.12	3,420.00	3,140.28	279.72	12.227		
7,550.00	7,059.89	7,038.89	7,038.89	39.99	244.00	-88.89	-2,492.51	-1,828.12	3,384.05	3,103.79	280.27	12.074		
7,560.55	7,060.00	7,039.00	7,039.00	40.13	244.01	-89.86	-2,492.51	-1,828.12	3,376.50	3,096.13	280.37	12.043		
7,600.00	7,060.09	7,039.09	7,039.09	40.67	244.01	-89.87	-2,492.51	-1,828.12	3,348.40	3,067.65	280.75	11.927		
7,700.00	7,060.32	7,039.32	7,039.32	42.14	244.02	-89.87	-2,492.51	-1,828.12	3,278.21	2,996.38	281.83	11.632		
7,800.00	7,060.55	7,039.55	7,039.55	43.75	244.03	-89.88	-2,492.51	-1,828.12	3,209.61	2,926.54	283.07	11.339		
7,900.00	7,060.78	7,039.78	7,039.78	45.48	244.04	-89.88	-2,492.51	-1,828.12	3,142.69	2,858.22	284.48	11.047		
8,000.00	7,061.01	7,040.01	7,040.01	47.33	244.04	-89.89	-2,492.51	-1,828.12	3,077.57	2,791.52	286.05	10.759		
8,100.00	7,061.24	7,040.24	7,040.24	49.27	244.05	-89.90	-2,492.51	-1,828.12	3,014.36	2,726.58	287.78	10.474		
8,200.00	7,061.47	7,040.47	7,040.47	51.29	244.06	-89.90	-2,492.51	-1,828.12	2,953.18	2,663.50	289.68	10.195		
8,300.00	7,061.70	7,040.70	7,040.70	53.40	244.07	-89.91	-2,492.51	-1,828.12	2,894.16	2,602.43	291.74	9.920		
8,400.00	7,061.93	7,040.93	7,040.93	55.57	244.08	-89.91	-2,492.51	-1,828.12	2,837.45	2,543.50	293.95	9.653		
8,500.00	7,062.16	7,041.16	7,041.16	57.80	244.08	-89.92	-2,492.51	-1,828.12	2,783.17	2,486.86	296.31	9.393		
8,600.00	7,062.39	7,041.39	7,041.39	60.08	244.09	-89.92	-2,492.51	-1,828.12	2,731.47	2,432.66	298.81	9.141		
8,700.00	7,062.63	7,041.63	7,041.63	62.42	244.10	-89.93	-2,492.51	-1,828.12	2,682.51	2,381.07	301.43	8.899		
8,800.00	7,062.86	7,041.86	7,041.86	64.79	244.11	-89.93	-2,492.51	-1,828.12	2,636.43	2,332.25	304.17	8.667		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,042.09	7,042.09	67.20	244.12	-89.94	-2,492.51	-1,828.12	2,593.39	2,286.37	307.02	8.447		
9,000.00	7,063.32	7,042.32	7,042.32	69.65	244.12	-89.95	-2,492.51	-1,828.12	2,553.54	2,243.59	309.95	8.239		
9,100.00	7,063.55	7,042.55	7,042.55	72.12	244.13	-89.95	-2,492.51	-1,828.12	2,517.04	2,204.09	312.95	8.043		
9,200.00	7,063.78	7,042.78	7,042.78	74.63	244.14	-89.96	-2,492.51	-1,828.12	2,484.03	2,168.03	316.00	7.861		
9,300.00	7,064.01	7,043.01	7,043.01	77.16	244.15	-89.96	-2,492.51	-1,828.12	2,454.65	2,135.57	319.08	7.693		
9,400.00	7,064.24	7,043.24	7,043.24	79.71	244.16	-89.97	-2,492.51	-1,828.12	2,429.04	2,106.87	322.17	7.540		
9,500.00	7,064.47	7,043.47	7,043.47	82.28	244.16	-89.97	-2,492.51	-1,828.12	2,407.31	2,082.07	325.24	7.402		
9,600.00	7,064.70	7,043.70	7,043.70	84.87	244.17	-89.98	-2,492.51	-1,828.12	2,389.58	2,061.30	328.27	7.279		
9,700.00	7,064.93	7,043.93	7,043.93	87.47	244.18	-89.98	-2,492.51	-1,828.12	2,375.92	2,044.68	331.24	7.173		
9,800.00	7,065.16	7,044.16	7,044.16	90.09	244.19	-89.99	-2,492.51	-1,828.12	2,366.41	2,032.28	334.13	7.082		
9,900.00	7,065.39	7,044.39	7,044.39	92.73	244.20	-90.00	-2,492.51	-1,828.12	2,361.10	2,024.20	336.91	7.008		
9,975.43	7,065.57	7,044.57	7,044.57	94.73	244.20	-90.00	-2,492.51	-1,828.12	2,359.90	2,020.98	338.92	6.963 CC		
10,000.00	7,065.62	7,044.62	7,044.62	95.38	244.20	-90.00	-2,492.51	-1,828.12	2,360.03	2,020.47	339.56	6.950 ES		
10,100.00	7,065.85	7,044.85	7,044.85	98.04	244.21	-90.01	-2,492.51	-1,828.12	2,363.18	2,021.11	342.07	6.908		
10,200.00	7,066.08	7,045.08	7,045.08	100.71	244.22	-90.01	-2,492.51	-1,828.12	2,370.56	2,026.13	344.43	6.883		
10,300.00	7,066.31	7,045.31	7,045.31	103.39	244.23	-90.02	-2,492.51	-1,828.12	2,382.11	2,035.50	346.61	6.873 SF		
10,400.00	7,066.54	7,045.54	7,045.54	106.08	244.24	-90.02	-2,492.51	-1,828.12	2,397.79	2,049.16	348.62	6.878		
10,500.00	7,066.77	7,045.77	7,045.77	108.78	244.25	-90.03	-2,492.51	-1,828.12	2,417.50	2,067.05	350.45	6.898		
10,600.00	7,067.01	7,046.01	7,046.01	111.48	244.25	-90.03	-2,492.51	-1,828.12	2,441.15	2,089.05	352.10	6.933		
10,700.00	7,067.24	7,046.24	7,046.24	114.20	244.26	-90.04	-2,492.51	-1,828.12	2,468.63	2,115.07	353.56	6.982		
10,800.00	7,067.47	7,046.47	7,046.47	116.92	244.27	-90.05	-2,492.51	-1,828.12	2,499.81	2,144.96	354.84	7.045		
10,900.00	7,067.70	7,046.70	7,046.70	119.65	244.28	-90.05	-2,492.51	-1,828.12	2,534.55	2,178.60	355.95	7.120		
11,000.00	7,067.93	7,046.93	7,046.93	122.38	244.29	-90.06	-2,492.51	-1,828.12	2,572.71	2,215.81	356.90	7.208		
11,100.00	7,068.16	7,047.16	7,047.16	125.12	244.29	-90.06	-2,492.51	-1,828.12	2,614.15	2,256.46	357.69	7.308		
11,200.00	7,068.39	7,047.39	7,047.39	127.86	244.30	-90.07	-2,492.51	-1,828.12	2,658.70	2,300.36	358.34	7.420		
11,300.00	7,068.62	7,047.62	7,047.62	130.61	244.31	-90.07	-2,492.51	-1,828.12	2,706.21	2,347.37	358.85	7.541		
11,400.00	7,068.85	7,047.85	7,047.85	133.37	244.32	-90.08	-2,492.51	-1,828.12	2,756.54	2,397.31	359.23	7.673		
11,500.00	7,069.08	7,048.08	7,048.08	136.12	244.33	-90.09	-2,492.51	-1,828.12	2,809.52	2,450.02	359.51	7.815		
11,600.00	7,069.31	7,048.31	7,048.31	138.89	244.33	-90.09	-2,492.51	-1,828.12	2,865.02	2,505.34	359.68	7.965		
11,700.00	7,069.54	7,048.54	7,048.54	141.65	244.34	-90.10	-2,492.51	-1,828.12	2,922.88	2,563.12	359.76	8.125		
11,800.00	7,069.77	7,048.77	7,048.77	144.42	244.35	-90.10	-2,492.51	-1,828.12	2,982.98	2,623.22	359.76	8.292		
11,900.00	7,070.00	7,049.00	7,049.00	147.19	244.36	-90.11	-2,492.51	-1,828.12	3,045.17	2,685.48	359.69	8.466		
12,000.00	7,070.23	7,049.23	7,049.23	149.97	244.37	-90.11	-2,492.51	-1,828.12	3,109.34	2,749.78	359.56	8.648		
12,100.00	7,070.46	7,049.46	7,049.46	152.75	244.37	-90.12	-2,492.51	-1,828.12	3,175.36	2,815.99	359.37	8.836		
12,200.00	7,070.69	7,049.69	7,049.69	155.53	244.38	-90.12	-2,492.51	-1,828.12	3,243.12	2,883.98	359.13	9.030		
12,300.00	7,070.92	7,049.92	7,049.92	158.32	244.39	-90.13	-2,492.51	-1,828.12	3,312.51	2,953.65	358.86	9.231		
12,400.00	7,071.16	7,050.16	7,050.16	161.10	244.40	-90.14	-2,492.51	-1,828.12	3,383.43	3,024.89	358.55	9.436		
12,500.00	7,071.39	7,050.39	7,050.39	163.89	244.41	-90.14	-2,492.51	-1,828.12	3,455.80	3,097.59	358.21	9.647		
12,600.00	7,071.62	7,050.62	7,050.62	166.69	244.41	-90.15	-2,492.51	-1,828.12	3,529.51	3,171.66	357.85	9.863		
12,700.00	7,071.85	7,050.85	7,050.85	169.48	244.42	-90.15	-2,492.51	-1,828.12	3,604.49	3,247.03	357.46	10.084		
12,800.00	7,072.08	7,051.08	7,051.08	172.28	244.43	-90.16	-2,492.51	-1,828.12	3,680.66	3,323.60	357.07	10.308		
12,900.00	7,072.31	7,051.31	7,051.31	175.08	244.44	-90.16	-2,492.51	-1,828.12	3,757.95	3,401.29	356.65	10.537		
13,000.00	7,072.54	7,051.54	7,051.54	177.88	244.45	-90.17	-2,492.51	-1,828.12	3,836.29	3,480.05	356.23	10.769		
13,100.00	7,072.77	7,051.77	7,051.77	180.68	244.45	-90.17	-2,492.51	-1,828.12	3,915.61	3,559.80	355.81	11.005		
13,200.00	7,073.00	7,052.00	7,052.00	183.48	244.46	-90.18	-2,492.51	-1,828.12	3,995.86	3,640.49	355.37	11.244		
13,300.00	7,073.23	7,052.23	7,052.23	186.29	244.47	-90.19	-2,492.51	-1,828.12	4,076.99	3,722.05	354.94	11.486		
13,400.00	7,073.46	7,052.46	7,052.46	189.09	244.48	-90.19	-2,492.51	-1,828.12	4,158.93	3,804.43	354.50	11.732		
13,500.00	7,073.69	7,052.69	7,052.69	191.90	244.49	-90.20	-2,492.51	-1,828.12	4,241.66	3,887.59	354.07	11.980		
13,600.00	7,073.92	7,052.92	7,052.92	194.71	244.49	-90.20	-2,492.51	-1,828.12	4,325.11	3,971.47	353.64	12.230		
13,700.00	7,074.15	7,053.15	7,053.15	197.52	244.50	-90.21	-2,492.51	-1,828.12	4,409.25	4,056.04	353.21	12.483		
13,800.00	7,074.38	7,053.38	7,053.38	200.34	244.51	-90.21	-2,492.51	-1,828.12	4,494.04	4,141.26	352.78	12.739		
13,900.00	7,074.61	7,053.61	7,053.61	203.15	244.52	-90.22	-2,492.51	-1,828.12	4,579.44	4,227.08	352.36	12.997		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,053.84	7,053.84	205.97	244.53	-90.23	-2,492.51	-1,828.12	4,665.43	4,313.48	351.94	13.256		
14,100.00	7,075.07	7,054.07	7,054.07	208.78	244.53	-90.23	-2,492.51	-1,828.12	4,751.96	4,400.43	351.53	13.518		
14,200.00	7,075.30	7,054.30	7,054.30	211.60	244.54	-90.24	-2,492.51	-1,828.12	4,839.01	4,487.88	351.13	13.781		
14,300.00	7,075.54	7,054.54	7,054.54	214.42	244.55	-90.24	-2,492.51	-1,828.12	4,926.55	4,575.82	350.73	14.047		
14,400.00	7,075.77	7,054.77	7,054.77	217.24	244.56	-90.25	-2,492.51	-1,828.12	5,014.56	4,664.22	350.34	14.313		
14,500.00	7,076.00	7,055.00	7,055.00	220.06	244.57	-90.25	-2,492.51	-1,828.12	5,103.01	4,753.06	349.95	14.582		
14,600.00	7,076.23	7,055.23	7,055.23	222.88	244.57	-90.26	-2,492.51	-1,828.12	5,191.88	4,842.30	349.58	14.852		
14,700.00	7,076.46	7,055.46	7,055.46	225.70	244.58	-90.26	-2,492.51	-1,828.12	5,281.15	4,931.94	349.21	15.123		
14,800.00	7,076.69	7,055.69	7,055.69	228.53	244.59	-90.27	-2,492.51	-1,828.12	5,370.80	5,021.95	348.85	15.396		
14,900.00	7,076.92	7,055.92	7,055.92	231.35	244.60	-90.28	-2,492.51	-1,828.12	5,460.80	5,112.31	348.50	15.670		
15,000.00	7,077.15	7,056.15	7,056.15	234.18	244.61	-90.28	-2,492.51	-1,828.12	5,551.15	5,203.00	348.15	15.945		
15,100.00	7,077.38	7,056.38	7,056.38	237.00	244.62	-90.29	-2,492.51	-1,828.12	5,641.82	5,294.01	347.81	16.221		
15,200.00	7,077.61	7,056.61	7,056.61	239.83	244.62	-90.29	-2,492.51	-1,828.12	5,732.81	5,385.33	347.48	16.498		
15,300.00	7,077.84	7,056.84	7,056.84	242.66	244.63	-90.30	-2,492.51	-1,828.12	5,824.09	5,476.93	347.16	16.777		
15,400.00	7,078.07	7,057.07	7,057.07	245.49	244.64	-90.30	-2,492.51	-1,828.12	5,915.65	5,568.81	346.84	17.056		
15,500.00	7,078.30	7,057.30	7,057.30	248.31	244.65	-90.31	-2,492.51	-1,828.12	6,007.48	5,660.95	346.53	17.336		
15,600.00	7,078.53	7,057.53	7,057.53	251.14	244.66	-90.31	-2,492.51	-1,828.12	6,099.57	5,753.34	346.23	17.617		
15,700.00	7,078.76	7,057.76	7,057.76	253.97	244.66	-90.32	-2,492.51	-1,828.12	6,191.90	5,845.96	345.94	17.899		
15,800.00	7,078.99	7,057.99	7,057.99	256.80	244.67	-90.33	-2,492.51	-1,828.12	6,284.47	5,938.82	345.65	18.181		
15,900.00	7,079.22	7,058.22	7,058.22	259.64	244.68	-90.33	-2,492.51	-1,828.12	6,377.26	6,031.89	345.37	18.465		
16,000.00	7,079.45	7,058.45	7,058.45	262.47	244.69	-90.34	-2,492.51	-1,828.12	6,470.27	6,125.17	345.10	18.749		
16,100.00	7,079.69	7,058.69	7,058.69	265.30	244.70	-90.34	-2,492.51	-1,828.12	6,563.48	6,218.65	344.83	19.034		
16,200.00	7,079.92	7,058.92	7,058.92	268.13	244.70	-90.35	-2,492.51	-1,828.12	6,656.89	6,312.31	344.57	19.319		
16,300.00	7,080.15	7,059.15	7,059.15	270.97	244.71	-90.35	-2,492.51	-1,828.12	6,750.49	6,406.17	344.32	19.605		
16,400.00	7,080.38	7,059.38	7,059.38	273.80	244.72	-90.36	-2,492.51	-1,828.12	6,844.27	6,500.19	344.07	19.892		
16,500.00	7,080.61	7,059.61	7,059.61	276.64	244.73	-90.37	-2,492.51	-1,828.12	6,938.22	6,594.39	343.83	20.179		
16,600.00	7,080.84	7,059.84	7,059.84	279.47	244.74	-90.37	-2,492.51	-1,828.12	7,032.34	6,688.74	343.60	20.467		
16,700.00	7,081.07	7,060.07	7,060.07	282.31	244.74	-90.38	-2,492.51	-1,828.12	7,126.62	6,783.25	343.37	20.755		
16,800.00	7,081.30	7,060.30	7,060.30	285.14	244.75	-90.38	-2,492.51	-1,828.12	7,221.05	6,877.90	343.15	21.043		
16,900.00	7,081.53	7,060.53	7,060.53	287.98	244.76	-90.39	-2,492.51	-1,828.12	7,315.64	6,972.70	342.93	21.332		
17,000.00	7,081.76	7,060.76	7,060.76	290.82	244.77	-90.39	-2,492.51	-1,828.12	7,410.36	7,067.64	342.72	21.622		
17,100.00	7,081.99	7,060.99	7,060.99	293.65	244.78	-90.40	-2,492.51	-1,828.12	7,505.22	7,162.70	342.52	21.912		
17,200.00	7,082.22	7,061.22	7,061.22	296.49	244.78	-90.40	-2,492.51	-1,828.12	7,600.21	7,257.89	342.32	22.202		
17,300.00	7,082.45	7,061.45	7,061.45	299.33	244.79	-90.41	-2,492.51	-1,828.12	7,695.33	7,353.21	342.12	22.493		
17,400.00	7,082.68	7,061.68	7,061.68	302.17	244.80	-90.42	-2,492.51	-1,828.12	7,790.57	7,448.64	341.93	22.784		
17,500.00	7,082.91	7,061.91	7,061.91	305.01	244.81	-90.42	-2,492.51	-1,828.12	7,885.93	7,544.18	341.75	23.075		
17,600.00	7,083.14	7,062.14	7,062.14	307.85	244.82	-90.43	-2,492.51	-1,828.12	7,981.41	7,639.84	341.57	23.367		
17,700.00	7,083.37	7,062.37	7,062.37	310.69	244.82	-90.43	-2,492.51	-1,828.12	8,076.99	7,735.59	341.40	23.659		
17,800.00	7,083.60	7,062.60	7,062.60	313.53	244.83	-90.44	-2,492.51	-1,828.12	8,172.68	7,831.45	341.23	23.951		
17,900.00	7,083.84	7,062.84	7,062.84	316.37	244.84	-90.44	-2,492.51	-1,828.12	8,268.47	7,927.41	341.06	24.243		
18,000.00	7,084.07	7,063.07	7,063.07	319.21	244.85	-90.45	-2,492.51	-1,828.12	8,364.36	8,023.46	340.90	24.536		
18,100.00	7,084.30	7,063.30	7,063.30	322.05	244.86	-90.45	-2,492.51	-1,828.12	8,460.34	8,119.60	340.74	24.829		
18,200.00	7,084.53	7,063.53	7,063.53	324.89	244.86	-90.46	-2,492.51	-1,828.12	8,556.42	8,215.83	340.59	25.122		
18,300.00	7,084.76	7,063.76	7,063.76	327.73	244.87	-90.47	-2,492.51	-1,828.12	8,652.58	8,312.14	340.44	25.416		
18,400.00	7,084.99	7,063.99	7,063.99	330.57	244.88	-90.47	-2,492.51	-1,828.12	8,748.83	8,408.53	340.30	25.709		
18,500.00	7,085.22	7,064.22	7,064.22	333.41	244.89	-90.48	-2,492.51	-1,828.12	8,845.17	8,505.01	340.16	26.003		
18,600.00	7,085.45	7,064.45	7,064.45	336.26	244.90	-90.48	-2,492.51	-1,828.12	8,941.58	8,601.56	340.02	26.297		
18,700.00	7,085.68	7,064.68	7,064.68	339.10	244.90	-90.49	-2,492.51	-1,828.12	9,038.08	8,698.18	339.89	26.591		
18,800.00	7,085.91	7,064.91	7,064.91	341.94	244.91	-90.49	-2,492.51	-1,828.12	9,134.64	8,794.88	339.76	26.885		
18,839.14	7,086.00	7,065.00	7,065.00	343.06	244.92	-90.50	-2,492.51	-1,828.12	9,172.46	8,832.75	339.72	27.000		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-87.22	336.13	-6,912.58	6,920.74					
100.00	100.00	117.00	117.00	3.28	4.03	-87.22	336.13	-6,912.58	6,920.74	6,913.43	7.31	946.330		
200.00	200.00	217.00	217.00	3.34	6.69	-87.22	336.13	-6,912.58	6,920.74	6,910.72	10.03	690.255		
300.00	300.00	317.00	317.00	3.44	9.88	-87.22	336.13	-6,912.58	6,920.74	6,907.42	13.33	519.335		
400.00	399.98	416.98	416.98	3.60	13.22	177.27	336.13	-6,912.58	6,922.49	6,905.66	16.82	411.464		
500.00	499.84	516.84	516.84	3.80	16.62	177.27	336.13	-6,912.58	6,927.71	6,907.29	20.42	339.230		
600.00	599.45	616.45	616.45	4.04	20.05	177.27	336.13	-6,912.58	6,936.42	6,912.34	24.08	288.034		
700.00	698.70	715.70	715.70	4.31	23.47	177.26	336.13	-6,912.58	6,948.59	6,920.81	27.78	250.121		
800.00	797.47	814.47	814.47	4.62	26.89	177.25	336.13	-6,912.58	6,964.22	6,932.71	31.50	221.067		
900.00	895.62	912.62	912.62	4.97	30.29	177.24	336.13	-6,912.58	6,983.28	6,948.04	35.24	198.189		
980.89	974.49	1,008.51	991.49	5.27	33.62	177.23	336.13	-6,912.58	7,001.19	6,962.34	38.85	180.220		
1,000.00	993.07	1,010.07	1,010.07	5.34	33.68	177.23	336.13	-6,912.58	7,005.68	6,966.71	38.97	179.756		
1,100.00	1,090.26	1,107.26	1,107.26	5.75	37.05	177.24	336.13	-6,912.58	7,029.20	6,986.49	42.71	164.585		
1,200.00	1,187.45	1,204.45	1,204.45	6.17	40.44	177.25	336.13	-6,912.58	7,052.72	7,006.26	46.46	151.795		
1,300.00	1,284.64	1,301.64	1,301.64	6.62	43.82	177.26	336.13	-6,912.58	7,076.24	7,026.01	50.23	140.874		
1,400.00	1,381.83	1,401.17	1,398.83	7.07	47.28	177.27	336.13	-6,912.58	7,099.76	7,045.66	54.09	131.249		
1,500.00	1,479.01	1,503.99	1,496.01	7.54	50.86	177.28	336.13	-6,912.58	7,123.28	7,065.19	58.08	122.644		
1,600.00	1,576.20	1,606.80	1,593.20	8.02	54.45	177.28	336.13	-6,912.58	7,146.79	7,084.72	62.08	115.129		
1,700.00	1,673.39	1,709.61	1,690.39	8.50	58.03	177.29	336.13	-6,912.58	7,170.31	7,104.23	66.08	108.510		
1,800.00	1,770.58	1,787.58	1,787.58	8.99	60.75	177.30	336.13	-6,912.58	7,193.83	7,124.61	69.22	103.922		
1,900.00	1,867.77	1,884.77	1,884.77	9.48	64.14	177.31	336.13	-6,912.58	7,217.35	7,144.31	73.04	98.811		
2,000.00	1,964.96	1,981.96	1,981.96	9.98	67.52	177.32	336.13	-6,912.58	7,240.87	7,164.01	76.86	94.203		
2,100.00	2,062.15	2,079.15	2,079.15	10.49	70.91	177.33	336.13	-6,912.58	7,264.39	7,183.70	80.69	90.027		
2,200.00	2,159.34	2,176.34	2,176.34	10.99	74.30	177.34	336.13	-6,912.58	7,287.91	7,203.39	84.52	86.225		
2,300.00	2,256.53	2,273.53	2,273.53	11.50	77.69	177.35	336.13	-6,912.58	7,311.43	7,223.08	88.36	82.750		
2,400.00	2,353.71	2,370.71	2,370.71	12.01	81.08	177.35	336.13	-6,912.58	7,334.95	7,242.76	92.19	79.562		
2,500.00	2,450.90	2,467.90	2,467.90	12.53	84.47	177.36	336.13	-6,912.58	7,358.47	7,262.45	96.03	76.627		
2,600.00	2,548.09	2,565.09	2,565.09	13.04	87.86	177.37	336.13	-6,912.58	7,382.00	7,282.13	99.87	73.916		
2,700.00	2,645.28	2,662.28	2,662.28	13.56	91.25	177.38	336.13	-6,912.58	7,405.52	7,301.80	103.71	71.405		
2,800.00	2,742.47	2,759.47	2,759.47	14.08	94.64	177.39	336.13	-6,912.58	7,429.04	7,321.48	107.56	69.072		
2,900.00	2,839.66	2,856.66	2,856.66	14.60	98.04	177.40	336.13	-6,912.58	7,452.56	7,341.16	111.40	66.899		
3,000.00	2,936.85	2,953.85	2,953.85	15.12	101.43	177.40	336.13	-6,912.58	7,476.08	7,360.83	115.25	64.870		
3,100.00	3,034.04	3,051.04	3,051.04	15.65	104.82	177.41	336.13	-6,912.58	7,499.60	7,380.51	119.09	62.972		
3,200.00	3,131.22	3,148.22	3,148.22	16.17	108.21	177.42	336.13	-6,912.58	7,523.12	7,400.18	122.94	61.192		
3,300.00	3,228.41	3,245.41	3,245.41	16.69	111.60	177.43	336.13	-6,912.58	7,546.65	7,419.85	126.79	59.519		
3,400.00	3,325.60	3,342.60	3,342.60	17.22	114.99	177.44	336.13	-6,912.58	7,570.17	7,439.52	130.64	57.945		
3,500.00	3,422.79	3,439.79	3,439.79	17.75	118.38	177.44	336.13	-6,912.58	7,593.69	7,459.19	134.50	56.460		
3,600.00	3,519.98	3,536.98	3,536.98	18.27	121.77	177.45	336.13	-6,912.58	7,617.21	7,478.86	138.35	55.058		
3,700.00	3,617.17	3,634.17	3,634.17	18.80	125.17	177.46	336.13	-6,912.58	7,640.73	7,498.53	142.20	53.732		
3,800.00	3,714.36	3,731.36	3,731.36	19.33	128.56	177.47	336.13	-6,912.58	7,664.26	7,518.20	146.05	52.475		
3,900.00	3,811.55	3,828.55	3,828.55	19.86	131.95	177.48	336.13	-6,912.58	7,687.78	7,537.87	149.91	51.283		
4,000.00	3,908.74	3,925.74	3,925.74	20.39	135.34	177.48	336.13	-6,912.58	7,711.30	7,557.54	153.76	50.150		
4,100.00	4,005.92	4,022.92	4,022.92	20.92	138.73	177.49	336.13	-6,912.58	7,734.82	7,577.21	157.62	49.073		
4,200.00	4,103.11	4,120.11	4,120.11	21.45	142.13	177.50	336.13	-6,912.58	7,758.35	7,596.87	161.47	48.047		
4,300.00	4,200.30	4,217.30	4,217.30	21.98	145.52	177.51	336.13	-6,912.58	7,781.87	7,616.54	165.33	47.068		
4,400.00	4,297.49	4,314.49	4,314.49	22.51	148.91	177.51	336.13	-6,912.58	7,805.39	7,636.21	169.19	46.135		
4,500.00	4,394.68	4,411.68	4,411.68	23.04	152.30	177.52	336.13	-6,912.58	7,828.92	7,655.87	173.04	45.242		
4,600.00	4,491.87	4,508.87	4,508.87	23.57	155.69	177.53	336.13	-6,912.58	7,852.44	7,675.54	176.90	44.389		
4,700.00	4,589.06	4,606.06	4,606.06	24.10	159.09	177.54	336.13	-6,912.58	7,875.96	7,695.20	180.76	43.571		
4,800.00	4,686.25	4,703.25	4,703.25	24.64	162.48	177.54	336.13	-6,912.58	7,899.49	7,714.87	184.62	42.788		
4,900.00	4,783.43	4,800.43	4,800.43	25.17	165.87	177.55	336.13	-6,912.58	7,923.01	7,734.54	188.48	42.037		
5,000.00	4,880.62	4,902.38	4,897.62	25.70	169.43	177.56	336.13	-6,912.58	7,946.54	7,754.04	192.50	41.281		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,005.19	4,994.81	26.23	173.02	177.57	336.13	-6,912.58	7,970.06	7,773.50	196.56	40.549		
5,200.00	5,075.00	5,108.00	5,092.00	26.77	176.61	177.57	336.13	-6,912.58	7,993.58	7,792.97	200.61	39.846		
5,300.00	5,172.19	5,189.19	5,189.19	27.30	179.44	177.58	336.13	-6,912.58	8,017.11	7,813.20	203.91	39.316		
5,400.00	5,269.38	5,286.38	5,286.38	27.83	182.83	177.59	336.13	-6,912.58	8,040.63	7,832.86	207.77	38.699		
5,457.75	5,325.51	5,342.51	5,342.51	28.14	184.79	177.59	336.13	-6,912.58	8,054.22	7,844.22	210.00	38.353		
5,500.00	5,366.64	5,383.64	5,383.64	28.37	186.23	177.60	336.13	-6,912.58	8,063.85	7,852.22	211.63	38.103		
5,600.00	5,464.53	5,481.53	5,481.53	28.87	189.64	177.63	336.13	-6,912.58	8,084.24	7,868.73	215.51	37.512		
5,700.00	5,563.07	5,580.07	5,580.07	29.35	193.08	177.64	336.13	-6,912.58	8,101.20	7,881.80	219.40	36.924		
5,800.00	5,662.15	5,679.15	5,679.15	29.80	196.54	177.66	336.13	-6,912.58	8,114.71	7,891.41	223.30	36.340		
5,900.00	5,761.64	5,778.64	5,778.64	30.23	200.01	177.67	336.13	-6,912.58	8,124.76	7,897.56	227.20	35.760		
6,000.00	5,861.42	5,878.42	5,878.42	30.64	203.50	177.68	336.13	-6,912.58	8,131.34	7,900.23	231.10	35.185		
6,100.00	5,961.36	5,978.36	5,978.36	31.02	206.99	177.68	336.13	-6,912.58	8,134.43	7,899.43	235.00	34.615		
6,138.64	6,000.00	6,017.00	6,017.00	31.16	208.33	-86.81	336.13	-6,912.58	8,134.69	7,898.19	236.50	34.397		
6,200.00	6,061.36	6,078.36	6,078.36	31.38	210.48	-86.81	336.13	-6,912.58	8,134.69	7,895.82	238.87	34.055		
6,300.00	6,161.36	6,178.36	6,178.36	31.74	213.97	-86.81	336.13	-6,912.58	8,134.69	7,891.95	242.74	33.512		
6,400.00	6,261.36	6,278.36	6,278.36	32.10	217.46	-86.81	336.13	-6,912.58	8,134.69	7,888.08	246.61	32.986		
6,500.00	6,361.36	6,378.36	6,378.36	32.46	220.95	-86.81	336.13	-6,912.58	8,134.69	7,884.21	250.48	32.476		
6,562.02	6,423.38	6,440.38	6,440.38	32.68	223.11	-86.81	336.13	-6,912.58	8,134.69	7,881.81	252.88	32.168		
6,600.00	6,461.34	6,478.34	6,478.34	32.82	224.44	3.50	336.13	-6,912.58	8,133.56	7,879.21	254.34	31.979		
6,650.00	6,511.08	6,528.08	6,528.08	32.99	226.17	3.53	336.13	-6,912.58	8,128.63	7,872.38	256.24	31.722		
6,700.00	6,560.29	6,577.29	6,577.29	33.17	227.89	3.58	336.13	-6,912.58	8,119.82	7,861.71	258.11	31.459		
6,750.00	6,608.64	6,625.64	6,625.64	33.36	229.58	3.66	336.13	-6,912.58	8,107.18	7,847.26	259.93	31.190		
6,800.00	6,655.86	6,672.86	6,672.86	33.56	231.23	3.77	336.13	-6,912.58	8,090.80	7,829.11	261.69	30.918		
6,850.00	6,701.64	6,718.64	6,718.64	33.78	232.83	3.91	336.13	-6,912.58	8,070.77	7,807.39	263.38	30.643		
6,900.00	6,745.71	6,762.71	6,762.71	34.01	234.36	4.09	336.13	-6,912.58	8,047.22	7,782.22	265.00	30.367		
6,950.00	6,787.79	6,804.79	6,804.79	34.27	235.83	4.32	336.13	-6,912.58	8,020.29	7,753.76	266.53	30.091		
7,000.00	6,827.62	6,844.62	6,844.62	34.56	237.22	4.60	336.13	-6,912.58	7,990.15	7,722.18	267.97	29.818		
7,050.00	6,864.96	6,881.96	6,881.96	34.87	238.53	4.95	336.13	-6,912.58	7,956.98	7,687.68	269.30	29.546		
7,100.00	6,899.58	6,916.58	6,916.58	35.21	239.74	5.39	336.13	-6,912.58	7,920.99	7,650.46	270.53	29.279		
7,150.00	6,931.26	6,948.26	6,948.26	35.60	240.84	5.96	336.13	-6,912.58	7,882.40	7,610.75	271.65	29.017		
7,200.00	6,959.81	6,976.81	6,976.81	36.02	241.84	6.70	336.13	-6,912.58	7,841.45	7,568.81	272.64	28.761		
7,250.00	6,985.06	7,002.06	7,002.06	36.47	242.72	7.70	336.13	-6,912.58	7,798.39	7,524.87	273.52	28.511		
7,300.00	7,006.84	7,023.84	7,023.84	36.97	243.48	9.09	336.13	-6,912.58	7,753.49	7,479.23	274.27	28.270		
7,350.00	7,025.02	7,042.02	7,042.02	37.51	244.11	11.14	336.13	-6,912.58	7,707.03	7,432.14	274.89	28.037		
7,400.00	7,039.49	7,056.49	7,056.49	38.09	244.62	14.44	336.13	-6,912.58	7,659.28	7,383.90	275.38	27.814		
7,450.00	7,050.17	7,067.17	7,067.17	38.70	244.99	20.44	336.13	-6,912.58	7,610.55	7,334.81	275.73	27.601		
7,500.00	7,056.98	7,073.98	7,073.98	39.33	245.23	34.02	336.13	-6,912.58	7,561.13	7,285.17	275.96	27.399		
7,550.00	7,059.89	7,076.89	7,076.89	39.99	245.33	74.06	336.13	-6,912.58	7,511.34	7,235.28	276.06	27.209		
7,560.55	7,060.00	7,077.00	7,077.00	40.13	245.33	88.00	336.13	-6,912.58	7,500.81	7,224.75	276.06	27.170		
7,600.00	7,060.09	7,077.09	7,077.09	40.67	245.34	88.02	336.13	-6,912.58	7,461.45	7,185.38	276.07	27.027		
7,700.00	7,060.32	7,077.32	7,077.32	42.14	245.35	88.04	336.13	-6,912.58	7,361.67	7,085.59	276.08	26.665		
7,800.00	7,060.55	7,077.55	7,077.55	43.75	245.35	88.07	336.13	-6,912.58	7,261.90	6,985.80	276.10	26.302		
7,900.00	7,060.78	7,077.78	7,077.78	45.48	245.36	88.10	336.13	-6,912.58	7,162.14	6,886.02	276.12	25.939		
8,000.00	7,061.01	7,078.01	7,078.01	47.33	245.37	88.12	336.13	-6,912.58	7,062.38	6,786.24	276.14	25.575		
8,100.00	7,061.24	7,078.24	7,078.24	49.27	245.38	88.15	336.13	-6,912.58	6,962.63	6,686.47	276.16	25.212		
8,200.00	7,061.47	7,078.47	7,078.47	51.29	245.39	88.18	336.13	-6,912.58	6,862.89	6,586.70	276.19	24.848		
8,300.00	7,061.70	7,078.70	7,078.70	53.40	245.39	88.20	336.13	-6,912.58	6,763.15	6,486.93	276.23	24.484		
8,400.00	7,061.93	7,078.93	7,078.93	55.57	245.40	88.23	336.13	-6,912.58	6,663.43	6,387.17	276.26	24.120		
8,500.00	7,062.16	7,079.16	7,079.16	57.80	245.41	88.26	336.13	-6,912.58	6,563.71	6,287.41	276.30	23.756		
8,600.00	7,062.39	7,079.39	7,079.39	60.08	245.42	88.28	336.13	-6,912.58	6,464.00	6,187.65	276.35	23.391		
8,700.00	7,062.63	7,079.63	7,079.63	62.42	245.43	88.31	336.13	-6,912.58	6,364.30	6,087.90	276.40	23.026		
8,800.00	7,062.86	7,079.86	7,079.86	64.79	245.43	88.34	336.13	-6,912.58	6,264.61	5,988.16	276.45	22.661		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,080.09	7,080.09	67.20	245.44	88.36	336.13	-6,912.58	6,164.92	5,888.42	276.51	22.296		
9,000.00	7,063.32	7,080.32	7,080.32	69.65	245.45	88.39	336.13	-6,912.58	6,065.25	5,788.68	276.57	21.930		
9,100.00	7,063.55	7,080.55	7,080.55	72.12	245.46	88.42	336.13	-6,912.58	5,965.59	5,688.95	276.64	21.564		
9,200.00	7,063.78	7,080.78	7,080.78	74.63	245.47	88.44	336.13	-6,912.58	5,865.94	5,589.23	276.72	21.198		
9,300.00	7,064.01	7,081.01	7,081.01	77.16	245.47	88.47	336.13	-6,912.58	5,766.31	5,489.51	276.80	20.832		
9,400.00	7,064.24	7,081.24	7,081.24	79.71	245.48	88.50	336.13	-6,912.58	5,666.68	5,389.80	276.89	20.466		
9,500.00	7,064.47	7,081.47	7,081.47	82.28	245.49	88.52	336.13	-6,912.58	5,567.07	5,290.09	276.98	20.099		
9,600.00	7,064.70	7,081.70	7,081.70	84.87	245.50	88.55	336.13	-6,912.58	5,467.48	5,190.39	277.09	19.732		
9,700.00	7,064.93	7,081.93	7,081.93	87.47	245.51	88.57	336.13	-6,912.58	5,367.90	5,090.70	277.20	19.365		
9,800.00	7,065.16	7,082.16	7,082.16	90.09	245.52	88.60	336.13	-6,912.58	5,268.33	4,991.01	277.32	18.997		
9,900.00	7,065.39	7,082.39	7,082.39	92.73	245.52	88.63	336.13	-6,912.58	5,168.78	4,891.33	277.45	18.630		
10,000.00	7,065.62	7,082.62	7,082.62	95.38	245.53	88.65	336.13	-6,912.58	5,069.25	4,791.66	277.59	18.261		
10,100.00	7,065.85	7,082.85	7,082.85	98.04	245.54	88.68	336.13	-6,912.58	4,969.74	4,692.00	277.75	17.893		
10,200.00	7,066.08	7,083.08	7,083.08	100.71	245.55	88.71	336.13	-6,912.58	4,870.25	4,592.34	277.91	17.525		
10,300.00	7,066.31	7,083.31	7,083.31	103.39	245.56	88.73	336.13	-6,912.58	4,770.78	4,492.69	278.09	17.156		
10,400.00	7,066.54	7,083.54	7,083.54	106.08	245.56	88.76	336.13	-6,912.58	4,671.33	4,393.05	278.28	16.786		
10,500.00	7,066.77	7,083.77	7,083.77	108.78	245.57	88.79	336.13	-6,912.58	4,571.91	4,293.42	278.49	16.417		
10,600.00	7,067.01	7,084.01	7,084.01	111.48	245.58	88.81	336.13	-6,912.58	4,472.51	4,193.80	278.71	16.047		
10,700.00	7,067.24	7,084.24	7,084.24	114.20	245.59	88.84	336.13	-6,912.58	4,373.14	4,094.18	278.96	15.677		
10,800.00	7,067.47	7,084.47	7,084.47	116.92	245.60	88.87	336.13	-6,912.58	4,273.80	3,994.58	279.22	15.306		
10,900.00	7,067.70	7,084.70	7,084.70	119.65	245.60	88.89	336.13	-6,912.58	4,174.49	3,894.99	279.50	14.935		
11,000.00	7,067.93	7,084.93	7,084.93	122.38	245.61	88.92	336.13	-6,912.58	4,075.21	3,795.40	279.81	14.564		
11,100.00	7,068.16	7,085.16	7,085.16	125.12	245.62	88.95	336.13	-6,912.58	3,975.97	3,695.83	280.14	14.193		
11,200.00	7,068.39	7,085.39	7,085.39	127.86	245.63	88.97	336.13	-6,912.58	3,876.77	3,596.27	280.51	13.821		
11,300.00	7,068.62	7,085.62	7,085.62	130.61	245.64	89.00	336.13	-6,912.58	3,777.62	3,496.72	280.90	13.448		
11,400.00	7,068.85	7,085.85	7,085.85	133.37	245.64	89.03	336.13	-6,912.58	3,678.50	3,397.18	281.33	13.076		
11,500.00	7,069.08	7,086.08	7,086.08	136.12	245.65	89.05	336.13	-6,912.58	3,579.44	3,297.65	281.79	12.702		
11,600.00	7,069.31	7,086.31	7,086.31	138.89	245.66	89.08	336.13	-6,912.58	3,480.43	3,198.13	282.30	12.329		
11,700.00	7,069.54	7,086.54	7,086.54	141.65	245.67	89.11	336.13	-6,912.58	3,381.48	3,098.63	282.85	11.955		
11,800.00	7,069.77	7,086.77	7,086.77	144.42	245.68	89.13	336.13	-6,912.58	3,282.59	2,999.14	283.45	11.581		
11,900.00	7,070.00	7,087.00	7,087.00	147.19	245.68	89.16	336.13	-6,912.58	3,183.77	2,899.66	284.11	11.206		
12,000.00	7,070.23	7,087.23	7,087.23	149.97	245.69	89.19	336.13	-6,912.58	3,085.03	2,800.20	284.83	10.831		
12,100.00	7,070.46	7,087.46	7,087.46	152.75	245.70	89.21	336.13	-6,912.58	2,986.37	2,700.75	285.62	10.456		
12,200.00	7,070.69	7,087.69	7,087.69	155.53	245.71	89.24	336.13	-6,912.58	2,887.80	2,601.32	286.48	10.080		
12,300.00	7,070.92	7,087.92	7,087.92	158.32	245.72	89.27	336.13	-6,912.58	2,789.34	2,501.90	287.43	9.704		
12,400.00	7,071.16	7,088.16	7,088.16	161.10	245.72	89.29	336.13	-6,912.58	2,690.98	2,402.50	288.48	9.328		
12,500.00	7,071.39	7,088.39	7,088.39	163.89	245.73	89.32	336.13	-6,912.58	2,592.76	2,303.12	289.64	8.952		
12,600.00	7,071.62	7,088.62	7,088.62	166.69	245.74	89.35	336.13	-6,912.58	2,494.67	2,203.76	290.91	8.575		
12,700.00	7,071.85	7,088.85	7,088.85	169.48	245.75	89.37	336.13	-6,912.58	2,396.75	2,104.42	292.33	8.199		
12,800.00	7,072.08	7,089.08	7,089.08	172.28	245.76	89.40	336.13	-6,912.58	2,299.00	2,005.10	293.90	7.823		
12,900.00	7,072.31	7,089.31	7,089.31	175.08	245.76	89.43	336.13	-6,912.58	2,201.45	1,905.81	295.64	7.446		
13,000.00	7,072.54	7,089.54	7,089.54	177.88	245.77	89.45	336.13	-6,912.58	2,104.14	1,806.55	297.59	7.071		
13,100.00	7,072.77	7,089.77	7,089.77	180.68	245.78	89.48	336.13	-6,912.58	2,007.09	1,707.33	299.76	6.696		
13,200.00	7,073.00	7,090.00	7,090.00	183.48	245.79	89.51	336.13	-6,912.58	1,910.34	1,608.14	302.20	6.321		
13,300.00	7,073.23	7,090.23	7,090.23	186.29	246.48	89.53	336.13	-6,912.58	1,813.95	1,508.32	305.63	5.935		
13,400.00	7,073.46	7,090.46	7,090.46	189.09	246.47	89.56	336.13	-6,912.58	1,717.96	1,409.26	308.71	5.565		
13,500.00	7,073.69	7,090.69	7,090.69	191.90	246.46	89.59	336.13	-6,912.58	1,622.47	1,310.27	312.20	5.197		
13,600.00	7,073.92	7,090.92	7,090.92	194.71	246.45	89.61	336.13	-6,912.58	1,527.55	1,211.37	316.18	4.831		
13,700.00	7,074.15	7,091.15	7,091.15	197.52	246.45	89.64	336.13	-6,912.58	1,433.32	1,112.60	320.72	4.469		
13,800.00	7,074.38	7,091.38	7,091.38	200.34	246.44	89.67	336.13	-6,912.58	1,339.93	1,013.98	325.94	4.111		
13,900.00	7,074.61	7,091.61	7,091.61	203.15	246.43	89.69	336.13	-6,912.58	1,247.56	915.59	331.96	3.758		
14,000.00	7,074.84	7,091.84	7,091.84	205.97	246.42	89.72	336.13	-6,912.58	1,156.46	817.52	338.94	3.412		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,075.07	7,107.93	7,092.07	208.78	246.41	89.75	336.13	-6,912.58	1,066.96	719.88	347.08	3.074		
14,200.00	7,075.30	7,107.70	7,092.30	211.60	246.41	89.77	336.13	-6,912.58	979.49	622.90	356.58	2.747		
14,300.00	7,075.54	7,107.46	7,092.54	214.42	246.40	89.80	336.13	-6,912.58	894.65	526.92	367.73	2.433		
14,400.00	7,075.77	7,107.23	7,092.77	217.24	246.39	89.83	336.13	-6,912.58	813.26	432.49	380.77	2.136		
14,500.00	7,076.00	7,107.00	7,093.00	220.06	246.38	89.85	336.13	-6,912.58	736.47	340.55	395.93	1.860		
14,600.00	7,076.23	7,106.77	7,093.23	222.88	246.37	89.88	336.13	-6,912.58	665.88	252.67	413.21	1.611		
14,700.00	7,076.46	7,106.54	7,093.46	225.70	246.37	89.91	336.13	-6,912.58	603.65	171.48	432.16	1.397 Level 3		
14,800.00	7,076.69	7,106.31	7,093.69	228.53	246.36	89.93	336.13	-6,912.58	552.62	101.19	451.43	1.224 Level 2		
14,900.00	7,076.92	7,106.08	7,093.92	231.35	246.35	89.96	336.13	-6,912.58	516.13	47.74	468.39	1.102 Level 2		
15,000.00	7,077.15	7,105.85	7,094.15	234.18	246.34	89.99	336.13	-6,912.58	497.38	17.87	479.51	1.037 Level 2		
15,045.01	7,077.25	7,105.75	7,094.25	235.45	246.34	90.00	336.13	-6,912.58	495.34	13.55	481.79	1.028 Level 2, CC, ES, SF		
15,100.00	7,077.38	7,105.62	7,094.38	237.00	246.33	90.01	336.13	-6,912.58	498.38	16.39	481.99	1.034 Level 2		
15,200.00	7,077.61	7,105.39	7,094.61	239.83	246.33	90.04	336.13	-6,912.58	519.02	43.38	475.64	1.091 Level 2		
15,300.00	7,077.84	7,105.16	7,094.84	242.66	246.32	90.07	336.13	-6,912.58	557.12	94.18	462.94	1.203 Level 2		
15,400.00	7,078.07	7,104.93	7,095.07	245.49	246.31	90.09	336.13	-6,912.58	609.41	162.18	447.23	1.363 Level 3		
15,500.00	7,078.30	7,104.70	7,095.30	248.31	246.30	90.12	336.13	-6,912.58	672.59	241.50	431.09	1.560		
15,600.00	7,078.53	7,104.47	7,095.53	251.14	246.29	90.15	336.13	-6,912.58	743.89	327.92	415.97	1.788		
15,700.00	7,078.76	7,104.24	7,095.76	253.97	246.29	90.17	336.13	-6,912.58	821.20	418.76	402.44	2.041		
15,800.00	7,078.99	7,104.01	7,095.99	256.80	246.28	90.20	336.13	-6,912.58	902.98	512.36	390.62	2.312		
15,900.00	7,079.22	7,103.78	7,096.22	259.64	246.27	90.23	336.13	-6,912.58	988.11	607.74	380.38	2.598		
16,000.00	7,079.45	7,103.55	7,096.45	262.47	246.26	90.25	336.13	-6,912.58	1,075.81	704.28	371.53	2.896		
16,100.00	7,079.69	7,103.32	7,096.69	265.30	246.25	90.28	336.13	-6,912.58	1,165.49	801.60	363.89	3.203		
16,200.00	7,079.92	7,103.08	7,096.92	268.13	246.25	90.31	336.13	-6,912.58	1,256.73	899.48	357.25	3.518		
16,300.00	7,080.15	7,102.85	7,097.15	270.97	246.24	90.33	336.13	-6,912.58	1,349.21	997.74	351.47	3.839		
16,400.00	7,080.38	7,102.62	7,097.38	273.80	246.23	90.36	336.13	-6,912.58	1,442.69	1,096.29	346.40	4.165		
16,500.00	7,080.61	7,102.39	7,097.61	276.64	246.22	90.39	336.13	-6,912.58	1,536.99	1,195.05	341.94	4.495		
16,600.00	7,080.84	7,102.16	7,097.84	279.47	246.21	90.41	336.13	-6,912.58	1,631.98	1,293.98	338.00	4.828		
16,700.00	7,081.07	7,101.93	7,098.07	282.31	246.21	90.44	336.13	-6,912.58	1,727.53	1,393.03	334.50	5.165		
16,800.00	7,081.30	7,101.70	7,098.30	285.14	246.20	90.47	336.13	-6,912.58	1,823.55	1,492.18	331.37	5.503		
16,900.00	7,081.53	7,101.47	7,098.53	287.98	246.19	90.49	336.13	-6,912.58	1,919.98	1,591.42	328.57	5.843		
17,000.00	7,081.76	7,101.24	7,098.76	290.82	246.18	90.52	336.13	-6,912.58	2,016.76	1,690.71	326.05	6.185		
17,100.00	7,081.99	7,101.01	7,098.99	293.65	246.17	90.55	336.13	-6,912.58	2,113.84	1,790.07	323.78	6.529		
17,200.00	7,082.22	7,100.78	7,099.22	296.49	246.17	90.57	336.13	-6,912.58	2,211.18	1,889.47	321.72	6.873		
17,300.00	7,082.45	7,100.55	7,099.45	299.33	246.16	90.60	336.13	-6,912.58	2,308.75	1,988.90	319.84	7.218		
17,400.00	7,082.68	7,100.32	7,099.68	302.17	246.15	90.63	336.13	-6,912.58	2,406.52	2,088.38	318.14	7.564		
17,500.00	7,082.91	7,100.09	7,099.91	305.01	246.14	90.65	336.13	-6,912.58	2,504.46	2,187.88	316.58	7.911		
17,600.00	7,083.14	7,100.14	7,100.14	307.85	246.14	90.68	336.13	-6,912.58	2,602.56	2,287.39	315.17	8.258		
17,700.00	7,083.37	7,100.37	7,100.37	310.69	246.15	90.71	336.13	-6,912.58	2,700.80	2,386.92	313.87	8.605		
17,800.00	7,083.60	7,100.60	7,100.60	313.53	246.16	90.73	336.13	-6,912.58	2,799.16	2,486.47	312.69	8.952		
17,900.00	7,083.84	7,100.84	7,100.84	316.37	246.17	90.76	336.13	-6,912.58	2,897.64	2,586.04	311.59	9.299		
18,000.00	7,084.07	7,101.07	7,101.07	319.21	246.18	90.79	336.13	-6,912.58	2,996.21	2,685.63	310.59	9.647		
18,100.00	7,084.30	7,101.30	7,101.30	322.05	246.18	90.81	336.13	-6,912.58	3,094.88	2,785.23	309.65	9.995		
18,200.00	7,084.53	7,101.53	7,101.53	324.89	246.19	90.84	336.13	-6,912.58	3,193.63	2,884.84	308.79	10.342		
18,300.00	7,084.76	7,101.76	7,101.76	327.73	246.20	90.87	336.13	-6,912.58	3,292.46	2,984.46	308.00	10.690		
18,400.00	7,084.99	7,101.99	7,101.99	330.57	246.21	90.89	336.13	-6,912.58	3,391.35	3,084.10	307.26	11.038		
18,500.00	7,085.22	7,102.22	7,102.22	333.41	246.22	90.92	336.13	-6,912.58	3,490.31	3,183.74	306.57	11.385		
18,600.00	7,085.45	7,102.45	7,102.45	336.26	246.22	90.95	336.13	-6,912.58	3,589.33	3,283.39	305.93	11.732		
18,700.00	7,085.68	7,102.68	7,102.68	339.10	246.23	90.97	336.13	-6,912.58	3,688.39	3,383.06	305.34	12.080		
18,800.00	7,085.91	7,102.91	7,102.91	341.94	246.24	91.00	336.13	-6,912.58	3,787.51	3,482.73	304.79	12.427		
18,839.14	7,086.00	7,103.00	7,103.00	343.06	246.24	91.01	336.13	-6,912.58	3,826.32	3,521.74	304.58	12.563		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-100.59	-1,359.61	-7,270.15	7,396.19					
100.00	100.00	104.00	104.00	3.28	3.78	-100.59	-1,359.61	-7,270.15	7,396.19	7,389.12	7.07	1,046.457		
200.00	200.00	204.00	204.00	3.34	6.30	-100.59	-1,359.61	-7,270.15	7,396.19	7,386.55	9.63	767.657		
300.00	300.00	304.00	304.00	3.44	9.45	-100.59	-1,359.61	-7,270.15	7,396.19	7,383.29	12.90	573.381		
400.00	399.98	403.98	403.98	3.60	12.79	163.89	-1,359.61	-7,270.15	7,397.86	7,381.48	16.38	451.506		
500.00	499.84	503.84	503.84	3.80	16.18	163.88	-1,359.61	-7,270.15	7,402.89	7,382.92	19.98	370.567		
600.00	599.45	603.45	603.45	4.04	19.60	163.85	-1,359.61	-7,270.15	7,411.27	7,387.63	23.63	313.577		
700.00	698.70	702.70	702.70	4.31	23.02	163.81	-1,359.61	-7,270.15	7,422.98	7,395.65	27.33	271.581		
800.00	797.47	801.47	801.47	4.62	26.44	163.76	-1,359.61	-7,270.15	7,438.01	7,406.96	31.05	239.513		
900.00	895.62	900.38	899.62	4.97	29.87	163.69	-1,359.61	-7,270.15	7,456.35	7,421.54	34.82	214.168		
980.89	974.49	978.49	978.49	5.27	32.58	163.63	-1,359.61	-7,270.15	7,473.60	7,435.78	37.81	197.645		
1,000.00	993.07	1,002.93	997.07	5.34	33.43	163.64	-1,359.61	-7,270.15	7,477.92	7,439.19	38.73	193.060		
1,100.00	1,090.26	1,105.74	1,094.26	5.75	37.00	163.69	-1,359.61	-7,270.15	7,500.57	7,457.90	42.67	175.781		
1,200.00	1,187.45	1,208.55	1,191.45	6.17	40.58	163.74	-1,359.61	-7,270.15	7,523.22	7,476.59	46.63	161.355		
1,300.00	1,284.64	1,288.64	1,288.64	6.62	43.37	163.79	-1,359.61	-7,270.15	7,545.87	7,496.07	49.81	151.508		
1,400.00	1,381.83	1,385.83	1,385.83	7.07	46.75	163.84	-1,359.61	-7,270.15	7,568.53	7,514.94	53.59	141.224		
1,500.00	1,479.01	1,483.01	1,483.01	7.54	50.13	163.89	-1,359.61	-7,270.15	7,591.20	7,533.81	57.39	132.273		
1,600.00	1,576.20	1,580.20	1,580.20	8.02	53.52	163.94	-1,359.61	-7,270.15	7,613.87	7,552.67	61.20	124.416		
1,700.00	1,673.39	1,677.39	1,677.39	8.50	56.91	163.99	-1,359.61	-7,270.15	7,636.54	7,571.53	65.01	117.465		
1,800.00	1,770.58	1,774.58	1,774.58	8.99	60.29	164.04	-1,359.61	-7,270.15	7,659.23	7,590.40	68.83	111.276		
1,900.00	1,867.77	1,871.77	1,871.77	9.48	63.68	164.09	-1,359.61	-7,270.15	7,681.91	7,609.26	72.66	105.729		
2,000.00	1,964.96	1,968.96	1,968.96	9.98	67.07	164.13	-1,359.61	-7,270.15	7,704.60	7,628.12	76.49	100.732		
2,100.00	2,062.15	2,066.15	2,066.15	10.49	70.46	164.18	-1,359.61	-7,270.15	7,727.30	7,646.98	80.32	96.206		
2,200.00	2,159.34	2,163.34	2,163.34	10.99	73.85	164.23	-1,359.61	-7,270.15	7,750.00	7,665.85	84.16	92.089		
2,300.00	2,256.53	2,260.53	2,260.53	11.50	77.24	164.28	-1,359.61	-7,270.15	7,772.71	7,684.71	88.00	88.328		
2,400.00	2,353.71	2,357.71	2,357.71	12.01	80.63	164.32	-1,359.61	-7,270.15	7,795.42	7,703.58	91.84	84.880		
2,500.00	2,450.90	2,454.90	2,454.90	12.53	84.02	164.37	-1,359.61	-7,270.15	7,818.14	7,722.45	95.69	81.707		
2,600.00	2,548.09	2,552.09	2,552.09	13.04	87.41	164.42	-1,359.61	-7,270.15	7,840.86	7,741.33	99.53	78.777		
2,700.00	2,645.28	2,649.28	2,649.28	13.56	90.80	164.46	-1,359.61	-7,270.15	7,863.59	7,760.21	103.38	76.064		
2,800.00	2,742.47	2,746.47	2,746.47	14.08	94.19	164.51	-1,359.61	-7,270.15	7,886.32	7,779.09	107.23	73.545		
2,900.00	2,839.66	2,843.66	2,843.66	14.60	97.58	164.55	-1,359.61	-7,270.15	7,909.06	7,797.97	111.08	71.199		
3,000.00	2,936.85	2,940.85	2,940.85	15.12	100.97	164.60	-1,359.61	-7,270.15	7,931.80	7,816.86	114.94	69.010		
3,100.00	3,034.04	3,038.04	3,038.04	15.65	104.36	164.64	-1,359.61	-7,270.15	7,954.54	7,835.75	118.79	66.962		
3,200.00	3,131.22	3,135.22	3,135.22	16.17	107.76	164.69	-1,359.61	-7,270.15	7,977.29	7,854.65	122.65	65.043		
3,300.00	3,228.41	3,232.41	3,232.41	16.69	111.15	164.73	-1,359.61	-7,270.15	8,000.05	7,873.54	126.50	63.240		
3,400.00	3,325.60	3,329.60	3,329.60	17.22	114.54	164.78	-1,359.61	-7,270.15	8,022.81	7,892.45	130.36	61.544		
3,500.00	3,422.79	3,426.79	3,426.79	17.75	117.93	164.82	-1,359.61	-7,270.15	8,045.57	7,911.35	134.22	59.944		
3,600.00	3,519.98	3,523.98	3,523.98	18.27	121.32	164.86	-1,359.61	-7,270.15	8,068.34	7,930.26	138.08	58.434		
3,700.00	3,617.17	3,621.17	3,621.17	18.80	124.71	164.91	-1,359.61	-7,270.15	8,091.11	7,949.18	141.94	57.006		
3,800.00	3,714.36	3,718.36	3,718.36	19.33	128.10	164.95	-1,359.61	-7,270.15	8,113.89	7,968.09	145.79	55.653		
3,900.00	3,811.55	3,815.55	3,815.55	19.86	131.50	164.99	-1,359.61	-7,270.15	8,136.67	7,987.02	149.66	54.369		
4,000.00	3,908.74	3,912.74	3,912.74	20.39	134.89	165.04	-1,359.61	-7,270.15	8,159.46	8,005.94	153.52	53.151		
4,100.00	4,005.92	4,009.92	4,009.92	20.92	138.28	165.08	-1,359.61	-7,270.15	8,182.25	8,024.87	157.38	51.991		
4,200.00	4,103.11	4,107.11	4,107.11	21.45	141.67	165.12	-1,359.61	-7,270.15	8,205.04	8,043.80	161.24	50.887		
4,300.00	4,200.30	4,204.30	4,204.30	21.98	145.06	165.16	-1,359.61	-7,270.15	8,227.84	8,062.74	165.10	49.835		
4,400.00	4,297.49	4,301.49	4,301.49	22.51	148.46	165.21	-1,359.61	-7,270.15	8,250.64	8,081.68	168.96	48.831		
4,500.00	4,394.68	4,401.32	4,398.68	23.04	151.94	165.25	-1,359.61	-7,270.15	8,273.45	8,100.53	172.92	47.846		
4,600.00	4,491.87	4,504.13	4,495.87	23.57	155.53	165.29	-1,359.61	-7,270.15	8,296.26	8,119.28	176.98	46.877		
4,700.00	4,589.06	4,606.94	4,593.06	24.10	159.12	165.33	-1,359.61	-7,270.15	8,319.08	8,138.04	181.04	45.952		
4,800.00	4,686.25	4,709.75	4,690.25	24.64	162.71	165.37	-1,359.61	-7,270.15	8,341.90	8,156.80	185.10	45.068		
4,900.00	4,783.43	4,787.43	4,787.43	25.17	166.42	165.41	-1,359.61	-7,270.15	8,364.72	8,176.44	188.28	44.427		
5,000.00	4,880.62	4,884.62	4,884.62	25.70	168.81	165.45	-1,359.61	-7,270.15	8,387.55	8,195.40	192.14	43.652		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,981.81	4,981.81	26.23	172.20	165.49	-1,359.61	-7,270.15	8,410.38	8,214.37	196.01	42.908		
5,200.00	5,075.00	5,079.00	5,079.00	26.77	175.59	165.53	-1,359.61	-7,270.15	8,433.21	8,233.34	199.87	42.193		
5,300.00	5,172.19	5,176.19	5,176.19	27.30	178.99	165.57	-1,359.61	-7,270.15	8,456.05	8,252.31	203.74	41.504		
5,400.00	5,269.38	5,273.38	5,273.38	27.83	182.38	165.61	-1,359.61	-7,270.15	8,478.89	8,271.29	207.60	40.842		
5,457.75	5,325.51	5,329.51	5,329.51	28.14	184.34	165.63	-1,359.61	-7,270.15	8,492.09	8,282.25	209.84	40.470		
5,500.00	5,366.64	5,370.64	5,370.64	28.37	185.77	165.70	-1,359.61	-7,270.15	8,501.45	8,289.98	211.47	40.202		
5,600.00	5,464.53	5,468.53	5,468.53	28.87	189.19	165.83	-1,359.61	-7,270.15	8,521.25	8,305.90	215.35	39.569		
5,700.00	5,563.07	5,567.07	5,567.07	29.35	192.63	165.94	-1,359.61	-7,270.15	8,537.72	8,318.48	219.24	38.942		
5,800.00	5,662.15	5,666.15	5,666.15	29.80	196.09	166.03	-1,359.61	-7,270.15	8,550.85	8,327.71	223.14	38.320		
5,900.00	5,761.64	5,765.64	5,765.64	30.23	199.56	166.09	-1,359.61	-7,270.15	8,560.62	8,333.57	227.05	37.704		
6,000.00	5,861.42	5,865.42	5,865.42	30.64	203.04	166.13	-1,359.61	-7,270.15	8,567.00	8,336.06	230.95	37.095		
6,100.00	5,961.36	5,965.36	5,965.36	31.02	206.53	166.15	-1,359.61	-7,270.15	8,570.01	8,335.17	234.84	36.493		
6,138.64	6,000.00	6,004.00	6,004.00	31.16	207.88	-98.34	-1,359.61	-7,270.15	8,570.26	8,333.92	236.34	36.263		
6,200.00	6,061.36	6,065.36	6,065.36	31.38	210.02	-98.34	-1,359.61	-7,270.15	8,570.26	8,331.55	238.71	35.902		
6,300.00	6,161.36	6,165.36	6,165.36	31.74	213.51	-98.34	-1,359.61	-7,270.15	8,570.26	8,327.69	242.57	35.330		
6,400.00	6,261.36	6,265.36	6,265.36	32.10	217.00	-98.34	-1,359.61	-7,270.15	8,570.26	8,323.82	246.44	34.776		
6,500.00	6,361.36	6,365.36	6,365.36	32.46	220.49	-98.34	-1,359.61	-7,270.15	8,570.26	8,319.95	250.31	34.239		
6,562.02	6,423.38	6,427.38	6,427.38	32.68	222.66	-98.34	-1,359.61	-7,270.15	8,570.26	8,317.55	252.71	33.913		
6,600.00	6,461.34	6,465.34	6,465.34	32.82	223.98	-8.05	-1,359.61	-7,270.15	8,569.14	8,314.97	254.17	33.714		
6,650.00	6,511.08	6,515.08	6,515.08	32.99	225.72	-8.12	-1,359.61	-7,270.15	8,564.25	8,308.18	256.07	33.445		
6,700.00	6,560.29	6,564.29	6,564.29	33.17	227.44	-8.24	-1,359.61	-7,270.15	8,555.51	8,297.58	257.94	33.169		
6,750.00	6,608.64	6,612.64	6,612.64	33.36	229.13	-8.42	-1,359.61	-7,270.15	8,542.98	8,283.22	259.76	32.888		
6,800.00	6,655.86	6,659.86	6,659.86	33.56	230.77	-8.67	-1,359.61	-7,270.15	8,526.73	8,265.21	261.52	32.604		
6,850.00	6,701.64	6,705.64	6,705.64	33.78	232.37	-8.99	-1,359.61	-7,270.15	8,506.86	8,243.64	263.22	32.318		
6,900.00	6,745.71	6,749.71	6,749.71	34.01	233.91	-9.40	-1,359.61	-7,270.15	8,483.50	8,218.65	264.85	32.032		
6,950.00	6,787.79	6,808.21	6,791.79	34.27	235.95	-9.90	-1,359.61	-7,270.15	8,456.79	8,189.83	266.96	31.678		
7,000.00	6,827.62	6,831.62	6,831.62	34.56	236.77	-10.54	-1,359.61	-7,270.15	8,426.89	8,159.06	267.84	31.463		
7,050.00	6,864.96	6,868.96	6,868.96	34.87	238.07	-11.32	-1,359.61	-7,270.15	8,394.00	8,124.82	269.19	31.183		
7,100.00	6,899.58	6,903.58	6,903.58	35.21	239.28	-12.31	-1,359.61	-7,270.15	8,358.31	8,087.88	270.43	30.907		
7,150.00	6,931.26	6,935.26	6,935.26	35.60	240.39	-13.57	-1,359.61	-7,270.15	8,320.05	8,048.49	271.56	30.638		
7,200.00	6,959.81	6,963.81	6,963.81	36.02	241.38	-15.20	-1,359.61	-7,270.15	8,279.45	8,006.87	272.58	30.375		
7,250.00	6,985.06	6,989.06	6,989.06	36.47	242.27	-17.35	-1,359.61	-7,270.15	8,236.76	7,963.29	273.47	30.119		
7,300.00	7,006.84	7,010.84	7,010.84	36.97	243.03	-20.29	-1,359.61	-7,270.15	8,192.25	7,918.01	274.24	29.872		
7,350.00	7,025.02	7,029.02	7,029.02	37.51	243.66	-24.47	-1,359.61	-7,270.15	8,146.19	7,871.31	274.89	29.635		
7,400.00	7,039.49	7,043.49	7,043.49	38.09	244.17	-30.72	-1,359.61	-7,270.15	8,098.87	7,823.47	275.40	29.408		
7,450.00	7,050.17	7,054.17	7,054.17	38.70	244.54	-40.70	-1,359.61	-7,270.15	8,050.58	7,774.79	275.78	29.192		
7,500.00	7,056.98	7,060.98	7,060.98	39.33	244.78	-57.30	-1,359.61	-7,270.15	8,001.61	7,725.57	276.04	28.988		
7,550.00	7,059.89	7,063.89	7,063.89	39.99	244.88	-82.94	-1,359.61	-7,270.15	7,952.27	7,676.11	276.16	28.796		
7,560.55	7,060.00	7,064.00	7,064.00	40.13	244.88	-89.13	-1,359.61	-7,270.15	7,941.85	7,665.68	276.17	28.757		
7,600.00	7,060.09	7,064.09	7,064.09	40.67	244.88	-89.14	-1,359.61	-7,270.15	7,902.85	7,626.65	276.19	28.613		
7,700.00	7,060.32	7,064.32	7,064.32	42.14	244.89	-89.15	-1,359.61	-7,270.15	7,804.02	7,527.76	276.27	28.248		
7,800.00	7,060.55	7,064.55	7,064.55	43.75	244.90	-89.16	-1,359.61	-7,270.15	7,705.22	7,428.88	276.35	27.883		
7,900.00	7,060.78	7,064.78	7,064.78	45.48	244.91	-89.17	-1,359.61	-7,270.15	7,606.46	7,330.02	276.44	27.516		
8,000.00	7,061.01	7,065.01	7,065.01	47.33	244.92	-89.18	-1,359.61	-7,270.15	7,507.72	7,231.18	276.54	27.149		
8,100.00	7,061.24	7,065.24	7,065.24	49.27	244.92	-89.19	-1,359.61	-7,270.15	7,409.02	7,132.37	276.65	26.781		
8,200.00	7,061.47	7,065.47	7,065.47	51.29	244.93	-89.21	-1,359.61	-7,270.15	7,310.36	7,033.57	276.78	26.412		
8,300.00	7,061.70	7,065.70	7,065.70	53.40	244.94	-89.22	-1,359.61	-7,270.15	7,211.73	6,934.81	276.92	26.042		
8,400.00	7,061.93	7,065.93	7,065.93	55.57	244.95	-89.23	-1,359.61	-7,270.15	7,113.14	6,836.06	277.08	25.672		
8,500.00	7,062.16	7,066.16	7,066.16	57.80	244.96	-89.24	-1,359.61	-7,270.15	7,014.59	6,737.34	277.25	25.301		
8,600.00	7,062.39	7,066.39	7,066.39	60.08	244.96	-89.25	-1,359.61	-7,270.15	6,916.08	6,638.65	277.43	24.929		
8,700.00	7,062.63	7,066.63	7,066.63	62.42	244.97	-89.26	-1,359.61	-7,270.15	6,817.62	6,539.98	277.64	24.556		
8,800.00	7,062.86	7,066.86	7,066.86	64.79	244.98	-89.27	-1,359.61	-7,270.15	6,719.20	6,441.34	277.86	24.182		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,067.09	7,067.09	67.20	244.99	-89.28	-1,359.61	-7,270.15	6,620.82	6,342.73	278.09	23.808		
9,000.00	7,063.32	7,067.32	7,067.32	69.65	245.00	-89.29	-1,359.61	-7,270.15	6,522.50	6,244.15	278.35	23.433		
9,100.00	7,063.55	7,067.55	7,067.55	72.12	245.01	-89.30	-1,359.61	-7,270.15	6,424.23	6,145.60	278.63	23.056		
9,200.00	7,063.78	7,067.78	7,067.78	74.63	245.01	-89.32	-1,359.61	-7,270.15	6,326.01	6,047.08	278.93	22.679		
9,300.00	7,064.01	7,068.01	7,068.01	77.16	245.02	-89.33	-1,359.61	-7,270.15	6,227.86	5,948.60	279.26	22.302		
9,400.00	7,064.24	7,068.24	7,068.24	79.71	245.03	-89.34	-1,359.61	-7,270.15	6,129.75	5,850.15	279.61	21.923		
9,500.00	7,064.47	7,068.47	7,068.47	82.28	245.04	-89.35	-1,359.61	-7,270.15	6,031.72	5,751.74	279.98	21.543		
9,600.00	7,064.70	7,068.70	7,068.70	84.87	245.05	-89.36	-1,359.61	-7,270.15	5,933.74	5,653.36	280.38	21.163		
9,700.00	7,064.93	7,068.93	7,068.93	87.47	245.05	-89.37	-1,359.61	-7,270.15	5,835.84	5,555.03	280.81	20.782		
9,800.00	7,065.16	7,069.16	7,069.16	90.09	245.06	-89.38	-1,359.61	-7,270.15	5,738.01	5,456.74	281.27	20.400		
9,900.00	7,065.39	7,069.39	7,069.39	92.73	245.07	-89.39	-1,359.61	-7,270.15	5,640.25	5,358.49	281.77	20.018		
10,000.00	7,065.62	7,069.62	7,069.62	95.38	245.08	-89.40	-1,359.61	-7,270.15	5,542.58	5,260.29	282.29	19.634		
10,100.00	7,065.85	7,069.85	7,069.85	98.04	245.09	-89.41	-1,359.61	-7,270.15	5,444.99	5,162.13	282.85	19.250		
10,200.00	7,066.08	7,070.08	7,070.08	100.71	245.09	-89.43	-1,359.61	-7,270.15	5,347.49	5,064.03	283.45	18.865		
10,300.00	7,066.31	7,070.31	7,070.31	103.39	245.10	-89.44	-1,359.61	-7,270.15	5,250.08	4,965.98	284.09	18.480		
10,400.00	7,066.54	7,070.54	7,070.54	106.08	245.11	-89.45	-1,359.61	-7,270.15	5,152.77	4,867.99	284.78	18.094		
10,500.00	7,066.77	7,070.77	7,070.77	108.78	245.12	-89.46	-1,359.61	-7,270.15	5,055.57	4,770.06	285.50	17.708		
10,600.00	7,067.01	7,071.01	7,071.01	111.48	245.13	-89.47	-1,359.61	-7,270.15	4,958.47	4,672.20	286.28	17.321		
10,700.00	7,067.24	7,071.24	7,071.24	114.20	245.13	-89.48	-1,359.61	-7,270.15	4,861.50	4,574.40	287.10	16.933		
10,800.00	7,067.47	7,071.47	7,071.47	116.92	245.14	-89.49	-1,359.61	-7,270.15	4,764.65	4,476.67	287.98	16.545		
10,900.00	7,067.70	7,071.70	7,071.70	119.65	245.15	-89.50	-1,359.61	-7,270.15	4,667.93	4,379.03	288.91	16.157		
11,000.00	7,067.93	7,071.93	7,071.93	122.38	245.16	-89.51	-1,359.61	-7,270.15	4,571.36	4,281.46	289.90	15.769		
11,100.00	7,068.16	7,072.16	7,072.16	125.12	245.17	-89.52	-1,359.61	-7,270.15	4,474.93	4,183.98	290.95	15.380		
11,200.00	7,068.39	7,072.39	7,072.39	127.86	245.17	-89.54	-1,359.61	-7,270.15	4,378.67	4,086.60	292.07	14.992		
11,300.00	7,068.62	7,072.62	7,072.62	130.61	245.18	-89.55	-1,359.61	-7,270.15	4,282.57	3,989.32	293.26	14.603		
11,400.00	7,068.85	7,072.85	7,072.85	133.37	245.19	-89.56	-1,359.61	-7,270.15	4,186.66	3,892.14	294.52	14.215		
11,500.00	7,069.08	7,073.08	7,073.08	136.12	245.20	-89.57	-1,359.61	-7,270.15	4,090.95	3,795.08	295.86	13.827		
11,600.00	7,069.31	7,073.31	7,073.31	138.89	245.21	-89.58	-1,359.61	-7,270.15	3,995.44	3,698.15	297.29	13.439		
11,700.00	7,069.54	7,073.54	7,073.54	141.65	245.21	-89.59	-1,359.61	-7,270.15	3,900.16	3,601.35	298.81	13.052		
11,800.00	7,069.77	7,073.77	7,073.77	144.42	245.22	-89.60	-1,359.61	-7,270.15	3,805.13	3,504.70	300.42	12.666		
11,900.00	7,070.00	7,074.00	7,074.00	147.19	245.23	-89.61	-1,359.61	-7,270.15	3,710.35	3,408.21	302.14	12.280		
12,000.00	7,070.23	7,074.23	7,074.23	149.97	245.24	-89.62	-1,359.61	-7,270.15	3,615.86	3,311.89	303.96	11.896		
12,100.00	7,070.46	7,074.46	7,074.46	152.75	245.25	-89.64	-1,359.61	-7,270.15	3,521.67	3,215.76	305.90	11.512		
12,200.00	7,070.69	7,074.69	7,074.69	155.53	245.25	-89.65	-1,359.61	-7,270.15	3,427.80	3,119.83	307.97	11.130		
12,300.00	7,070.92	7,074.92	7,074.92	158.32	245.26	-89.66	-1,359.61	-7,270.15	3,334.30	3,024.13	310.17	10.750		
12,400.00	7,071.16	7,075.16	7,075.16	161.10	245.27	-89.67	-1,359.61	-7,270.15	3,241.18	2,928.67	312.51	10.371		
12,500.00	7,071.39	7,075.39	7,075.39	163.89	245.28	-89.68	-1,359.61	-7,270.15	3,148.49	2,833.48	315.01	9.995		
12,600.00	7,071.62	7,075.62	7,075.62	166.69	245.29	-89.69	-1,359.61	-7,270.15	3,056.25	2,738.58	317.68	9.621		
12,700.00	7,071.85	7,075.85	7,075.85	169.48	245.29	-89.70	-1,359.61	-7,270.15	2,964.52	2,644.00	320.52	9.249		
12,800.00	7,072.08	7,076.08	7,076.08	172.28	245.30	-89.71	-1,359.61	-7,270.15	2,873.34	2,549.79	323.55	8.881		
12,900.00	7,072.31	7,076.31	7,076.31	175.08	245.31	-89.72	-1,359.61	-7,270.15	2,782.77	2,455.98	326.80	8.515		
13,000.00	7,072.54	7,076.54	7,076.54	177.88	245.32	-89.73	-1,359.61	-7,270.15	2,692.87	2,362.60	330.26	8.154		
13,100.00	7,072.77	7,076.77	7,076.77	180.68	245.33	-89.75	-1,359.61	-7,270.15	2,603.70	2,269.73	333.97	7.796		
13,200.00	7,073.00	7,077.00	7,077.00	183.48	245.33	-89.76	-1,359.61	-7,270.15	2,515.34	2,177.41	337.93	7.443		
13,300.00	7,073.23	7,077.23	7,077.23	186.29	245.34	-89.77	-1,359.61	-7,270.15	2,427.89	2,085.71	342.18	7.095		
13,400.00	7,073.46	7,077.46	7,077.46	189.09	245.35	-89.78	-1,359.61	-7,270.15	2,341.44	1,994.72	346.73	6.753		
13,500.00	7,073.69	7,077.69	7,077.69	191.90	245.36	-89.79	-1,359.61	-7,270.15	2,256.12	1,904.52	351.60	6.417		
13,600.00	7,073.92	7,077.92	7,077.92	194.71	245.37	-89.80	-1,359.61	-7,270.15	2,172.05	1,815.23	356.82	6.087		
13,700.00	7,074.15	7,078.15	7,078.15	197.52	245.38	-89.81	-1,359.61	-7,270.15	2,089.38	1,726.97	362.40	5.765		
13,800.00	7,074.38	7,078.38	7,078.38	200.34	245.38	-89.82	-1,359.61	-7,270.15	2,008.28	1,639.90	368.39	5.452		
13,900.00	7,074.61	7,078.61	7,078.61	203.15	245.39	-89.83	-1,359.61	-7,270.15	1,928.97	1,554.18	374.78	5.147		
14,000.00	7,074.84	7,078.84	7,078.84	205.97	245.40	-89.84	-1,359.61	-7,270.15	1,851.65	1,470.05	381.61	4.852		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,075.07	7,079.07	7,079.07	208.78	245.41	-89.86	-1,359.61	-7,270.15	1,776.61	1,387.73	388.88	4.569		
14,200.00	7,075.30	7,079.30	7,079.30	211.60	245.42	-89.87	-1,359.61	-7,270.15	1,704.12	1,307.53	396.59	4.297		
14,300.00	7,075.54	7,079.54	7,079.54	214.42	245.42	-89.88	-1,359.61	-7,270.15	1,634.55	1,229.81	404.74	4.039		
14,400.00	7,075.77	7,079.77	7,079.77	217.24	245.43	-89.89	-1,359.61	-7,270.15	1,568.26	1,154.98	413.29	3.795		
14,500.00	7,076.00	7,080.00	7,080.00	220.06	245.44	-89.90	-1,359.61	-7,270.15	1,505.71	1,083.52	422.19	3.566		
14,600.00	7,076.23	7,080.23	7,080.23	222.88	245.45	-89.91	-1,359.61	-7,270.15	1,447.37	1,016.02	431.35	3.355		
14,700.00	7,076.46	7,080.46	7,080.46	225.70	245.46	-89.92	-1,359.61	-7,270.15	1,393.76	953.12	440.65	3.163		
14,800.00	7,076.69	7,080.69	7,080.69	228.53	245.46	-89.93	-1,359.61	-7,270.15	1,345.47	895.55	449.92	2.990		
14,900.00	7,076.92	7,080.92	7,080.92	231.35	245.47	-89.94	-1,359.61	-7,270.15	1,303.07	844.13	458.94	2.839		
15,000.00	7,077.15	7,081.15	7,081.15	234.18	245.48	-89.95	-1,359.61	-7,270.15	1,267.16	799.70	467.46	2.711		
15,100.00	7,077.38	7,081.38	7,081.38	237.00	245.49	-89.97	-1,359.61	-7,270.15	1,238.31	763.11	475.20	2.606		
15,200.00	7,077.61	7,081.61	7,081.61	239.83	245.50	-89.98	-1,359.61	-7,270.15	1,217.01	735.14	481.87	2.526		
15,300.00	7,077.84	7,081.84	7,081.84	242.66	245.50	-89.99	-1,359.61	-7,270.15	1,203.67	716.47	487.20	2.471		
15,400.00	7,078.07	7,082.07	7,082.07	245.49	245.51	-90.00	-1,359.61	-7,270.15	1,198.55	707.56	490.99	2.441		
15,411.46	7,078.10	7,082.10	7,082.10	245.81	245.51	-90.00	-1,359.61	-7,270.15	1,198.50	707.18	491.32	2.439 CC, ES		
15,500.00	7,078.30	7,082.30	7,082.30	248.31	245.52	-90.01	-1,359.61	-7,270.15	1,201.77	708.64	493.12	2.437 SF		
15,600.00	7,078.53	7,082.53	7,082.53	251.14	245.53	-90.02	-1,359.61	-7,270.15	1,213.24	719.67	493.57	2.458		
15,700.00	7,078.76	7,082.76	7,082.76	253.97	245.54	-90.03	-1,359.61	-7,270.15	1,232.74	740.32	492.43	2.503		
15,800.00	7,078.99	7,082.99	7,082.99	256.80	245.54	-90.04	-1,359.61	-7,270.15	1,259.91	770.05	489.85	2.572		
15,900.00	7,079.22	7,083.22	7,083.22	259.64	245.55	-90.05	-1,359.61	-7,270.15	1,294.24	808.17	486.08	2.663		
16,000.00	7,079.45	7,083.45	7,083.45	262.47	245.56	-90.06	-1,359.61	-7,270.15	1,335.21	853.86	481.35	2.774		
16,100.00	7,079.69	7,083.69	7,083.69	265.30	245.57	-90.08	-1,359.61	-7,270.15	1,382.20	906.28	475.92	2.904		
16,200.00	7,079.92	7,083.92	7,083.92	268.13	245.58	-90.09	-1,359.61	-7,270.15	1,434.64	964.62	470.02	3.052		
16,300.00	7,080.15	7,084.15	7,084.15	270.97	245.58	-90.10	-1,359.61	-7,270.15	1,491.94	1,028.10	463.85	3.216		
16,400.00	7,080.38	7,084.38	7,084.38	273.80	245.59	-90.11	-1,359.61	-7,270.15	1,553.58	1,096.02	457.56	3.395		
16,500.00	7,080.61	7,084.61	7,084.61	276.64	245.60	-90.12	-1,359.61	-7,270.15	1,619.05	1,167.76	451.29	3.588		
16,600.00	7,080.84	7,084.84	7,084.84	279.47	245.61	-90.13	-1,359.61	-7,270.15	1,687.90	1,242.78	445.12	3.792		
16,700.00	7,081.07	7,085.07	7,085.07	282.31	245.62	-90.14	-1,359.61	-7,270.15	1,759.75	1,320.62	439.13	4.007		
16,800.00	7,081.30	7,085.30	7,085.30	285.14	245.62	-90.15	-1,359.61	-7,270.15	1,834.24	1,400.89	433.35	4.233		
16,900.00	7,081.53	7,085.53	7,085.53	287.98	245.63	-90.16	-1,359.61	-7,270.15	1,911.06	1,483.23	427.82	4.467		
17,000.00	7,081.76	7,085.76	7,085.76	290.82	245.64	-90.18	-1,359.61	-7,270.15	1,989.93	1,567.38	422.55	4.709		
17,100.00	7,081.99	7,085.99	7,085.99	293.65	245.65	-90.19	-1,359.61	-7,270.15	2,070.64	1,653.09	417.55	4.959		
17,200.00	7,082.22	7,086.22	7,086.22	296.49	245.66	-90.20	-1,359.61	-7,270.15	2,152.96	1,740.15	412.81	5.215		
17,300.00	7,082.45	7,086.45	7,086.45	299.33	245.66	-90.21	-1,359.61	-7,270.15	2,236.73	1,828.40	408.33	5.478		
17,400.00	7,082.68	7,086.68	7,086.68	302.17	245.67	-90.22	-1,359.61	-7,270.15	2,321.78	1,917.68	404.10	5.746		
17,500.00	7,082.91	7,086.91	7,086.91	305.01	245.68	-90.23	-1,359.61	-7,270.15	2,407.98	2,007.87	400.11	6.018		
17,600.00	7,083.14	7,087.14	7,087.14	307.85	245.69	-90.24	-1,359.61	-7,270.15	2,495.21	2,098.86	396.35	6.296		
17,700.00	7,083.37	7,087.37	7,087.37	310.69	245.70	-90.25	-1,359.61	-7,270.15	2,583.37	2,190.57	392.80	6.577		
17,800.00	7,083.60	7,087.60	7,087.60	313.53	245.71	-90.26	-1,359.61	-7,270.15	2,672.36	2,282.91	389.44	6.862		
17,900.00	7,083.84	7,087.84	7,087.84	316.37	245.71	-90.27	-1,359.61	-7,270.15	2,762.10	2,375.82	386.28	7.150		
18,000.00	7,084.07	7,088.07	7,088.07	319.21	245.72	-90.29	-1,359.61	-7,270.15	2,852.52	2,469.23	383.30	7.442		
18,100.00	7,084.30	7,088.30	7,088.30	322.05	245.73	-90.30	-1,359.61	-7,270.15	2,943.57	2,563.09	380.48	7.737		
18,200.00	7,084.53	7,088.53	7,088.53	324.89	245.74	-90.31	-1,359.61	-7,270.15	3,035.18	2,657.36	377.81	8.034		
18,300.00	7,084.76	7,088.76	7,088.76	327.73	245.75	-90.32	-1,359.61	-7,270.15	3,127.30	2,752.01	375.29	8.333		
18,400.00	7,084.99	7,088.99	7,088.99	330.57	245.75	-90.33	-1,359.61	-7,270.15	3,219.89	2,846.99	372.91	8.635		
18,500.00	7,085.22	7,089.22	7,089.22	333.41	245.76	-90.34	-1,359.61	-7,270.15	3,312.92	2,942.27	370.65	8.938		
18,600.00	7,085.45	7,089.45	7,089.45	336.26	245.77	-90.35	-1,359.61	-7,270.15	3,406.34	3,037.83	368.50	9.244		
18,700.00	7,085.68	7,089.68	7,089.68	339.10	245.78	-90.36	-1,359.61	-7,270.15	3,500.12	3,133.65	366.47	9.551		
18,800.00	7,085.91	7,089.91	7,089.91	341.94	245.79	-90.37	-1,359.61	-7,270.15	3,594.24	3,229.69	364.54	9.860		
18,839.14	7,086.00	7,110.00	7,090.00	343.06	246.49	-90.38	-1,359.61	-7,270.15	3,631.16	3,266.65	364.51	9.962		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-87.75	218.85	-5,576.36	5,580.65					
100.00	100.00	110.00	110.00	3.28	3.89	-87.75	218.85	-5,576.36	5,580.65	5,573.48	7.18	777.635		
200.00	200.00	210.00	210.00	3.34	6.48	-87.75	218.85	-5,576.36	5,580.65	5,570.84	9.81	568.614		
300.00	300.00	310.00	310.00	3.44	9.65	-87.75	218.85	-5,576.36	5,580.65	5,567.56	13.10	426.135		
400.00	399.98	409.98	409.98	3.60	12.99	176.74	218.85	-5,576.36	5,582.40	5,565.81	16.59	336.544		
500.00	499.84	509.84	509.84	3.80	16.38	176.73	218.85	-5,576.36	5,587.62	5,567.44	20.18	276.856		
600.00	599.45	609.45	609.45	4.04	19.80	176.73	218.85	-5,576.36	5,596.32	5,572.48	23.84	234.736		
700.00	698.70	708.70	708.70	4.31	23.23	176.72	218.85	-5,576.36	5,608.49	5,580.95	27.54	203.657		
800.00	797.47	807.47	807.47	4.62	26.65	176.71	218.85	-5,576.36	5,624.11	5,592.85	31.26	179.912		
900.00	895.62	905.62	905.62	4.97	30.05	176.70	218.85	-5,576.36	5,643.16	5,608.16	34.99	161.267		
980.89	974.49	984.49	984.49	5.27	32.79	176.69	218.85	-5,576.36	5,661.06	5,623.05	38.01	148.920		
1,000.00	993.07	1,003.07	1,003.07	5.34	33.43	176.69	218.85	-5,576.36	5,665.55	5,626.82	38.73	146.282		
1,100.00	1,090.26	1,100.26	1,100.26	5.75	36.81	176.71	218.85	-5,576.36	5,689.06	5,646.60	42.47	133.969		
1,200.00	1,187.45	1,202.55	1,197.45	6.17	40.37	176.72	218.85	-5,576.36	5,712.57	5,666.17	46.40	123.124		
1,300.00	1,284.64	1,305.36	1,294.64	6.62	43.95	176.74	218.85	-5,576.36	5,736.08	5,685.72	50.36	113.899		
1,400.00	1,381.83	1,408.17	1,391.83	7.07	47.53	176.75	218.85	-5,576.36	5,759.58	5,705.25	54.34	105.995		
1,500.00	1,479.01	1,489.01	1,489.01	7.54	50.34	176.76	218.85	-5,576.36	5,783.09	5,725.53	57.56	100.470		
1,600.00	1,576.20	1,586.20	1,586.20	8.02	53.73	176.77	218.85	-5,576.36	5,806.60	5,745.24	61.36	94.632		
1,700.00	1,673.39	1,683.39	1,683.39	8.50	57.12	176.79	218.85	-5,576.36	5,830.11	5,764.94	65.17	89.464		
1,800.00	1,770.58	1,780.58	1,780.58	8.99	60.50	176.80	218.85	-5,576.36	5,853.62	5,784.64	68.98	84.859		
1,900.00	1,867.77	1,877.77	1,877.77	9.48	63.89	176.81	218.85	-5,576.36	5,877.13	5,804.33	72.80	80.731		
2,000.00	1,964.96	1,974.96	1,974.96	9.98	67.28	176.83	218.85	-5,576.36	5,900.64	5,824.02	76.62	77.009		
2,100.00	2,062.15	2,072.15	2,072.15	10.49	70.67	176.84	218.85	-5,576.36	5,924.15	5,843.70	80.45	73.638		
2,200.00	2,159.34	2,169.34	2,169.34	10.99	74.06	176.85	218.85	-5,576.36	5,947.66	5,863.38	84.28	70.570		
2,300.00	2,256.53	2,266.53	2,266.53	11.50	77.45	176.86	218.85	-5,576.36	5,971.17	5,883.06	88.11	67.767		
2,400.00	2,353.71	2,363.71	2,363.71	12.01	80.84	176.88	218.85	-5,576.36	5,994.68	5,902.73	91.95	65.196		
2,500.00	2,450.90	2,460.90	2,460.90	12.53	84.23	176.89	218.85	-5,576.36	6,018.19	5,922.41	95.79	62.829		
2,600.00	2,548.09	2,558.09	2,558.09	13.04	87.62	176.90	218.85	-5,576.36	6,041.71	5,942.08	99.63	60.643		
2,700.00	2,645.28	2,655.28	2,655.28	13.56	91.01	176.91	218.85	-5,576.36	6,065.22	5,961.75	103.47	58.618		
2,800.00	2,742.47	2,752.47	2,752.47	14.08	94.40	176.92	218.85	-5,576.36	6,088.73	5,981.42	107.31	56.737		
2,900.00	2,839.66	2,849.66	2,849.66	14.60	97.79	176.94	218.85	-5,576.36	6,112.24	6,001.08	111.16	54.986		
3,000.00	2,936.85	2,946.85	2,946.85	15.12	101.18	176.95	218.85	-5,576.36	6,135.75	6,020.75	115.01	53.352		
3,100.00	3,034.04	3,044.04	3,044.04	15.65	104.57	176.96	218.85	-5,576.36	6,159.27	6,040.41	118.85	51.822		
3,200.00	3,131.22	3,141.22	3,141.22	16.17	107.96	176.97	218.85	-5,576.36	6,182.78	6,060.08	122.70	50.388		
3,300.00	3,228.41	3,238.41	3,238.41	16.69	111.36	176.98	218.85	-5,576.36	6,206.29	6,079.74	126.55	49.041		
3,400.00	3,325.60	3,335.60	3,335.60	17.22	114.75	176.99	218.85	-5,576.36	6,229.81	6,099.40	130.40	47.773		
3,500.00	3,422.79	3,432.79	3,432.79	17.75	118.14	177.01	218.85	-5,576.36	6,253.32	6,119.07	134.26	46.578		
3,600.00	3,519.98	3,529.98	3,529.98	18.27	121.53	177.02	218.85	-5,576.36	6,276.84	6,138.73	138.11	45.449		
3,700.00	3,617.17	3,627.17	3,627.17	18.80	124.92	177.03	218.85	-5,576.36	6,300.35	6,158.39	141.96	44.381		
3,800.00	3,714.36	3,724.36	3,724.36	19.33	128.31	177.04	218.85	-5,576.36	6,323.86	6,178.05	145.81	43.369		
3,900.00	3,811.55	3,821.55	3,821.55	19.86	131.71	177.05	218.85	-5,576.36	6,347.38	6,197.71	149.67	42.410		
4,000.00	3,908.74	3,918.74	3,918.74	20.39	135.10	177.06	218.85	-5,576.36	6,370.89	6,217.37	153.52	41.498		
4,100.00	4,005.92	4,015.92	4,015.92	20.92	138.49	177.07	218.85	-5,576.36	6,394.41	6,237.03	157.38	40.631		
4,200.00	4,103.11	4,113.11	4,113.11	21.45	141.88	177.08	218.85	-5,576.36	6,417.92	6,256.69	161.23	39.805		
4,300.00	4,200.30	4,210.30	4,210.30	21.98	145.27	177.09	218.85	-5,576.36	6,441.44	6,276.35	165.09	39.017		
4,400.00	4,297.49	4,307.49	4,307.49	22.51	148.67	177.10	218.85	-5,576.36	6,464.96	6,296.01	168.95	38.266		
4,500.00	4,394.68	4,404.68	4,404.68	23.04	152.06	177.11	218.85	-5,576.36	6,488.47	6,315.67	172.81	37.548		
4,600.00	4,491.87	4,501.87	4,501.87	23.57	155.45	177.12	218.85	-5,576.36	6,511.99	6,335.32	176.66	36.861		
4,700.00	4,589.06	4,600.94	4,599.06	24.10	158.91	177.13	218.85	-5,576.36	6,535.50	6,354.92	180.59	36.190		
4,800.00	4,686.25	4,703.75	4,696.25	24.64	162.50	177.14	218.85	-5,576.36	6,559.02	6,374.38	184.64	35.523		
4,900.00	4,783.43	4,806.57	4,793.43	25.17	166.08	177.16	218.85	-5,576.36	6,582.54	6,393.84	188.70	34.884		
5,000.00	4,880.62	4,909.38	4,890.62	25.70	169.67	177.17	218.85	-5,576.36	6,606.05	6,413.30	192.75	34.273		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,987.81	4,987.81	26.23	172.41	177.18	218.85	-5,576.36	6,629.57	6,433.62	195.95	33.832		
5,200.00	5,075.00	5,085.00	5,085.00	26.77	175.80	177.19	218.85	-5,576.36	6,653.09	6,453.27	199.81	33.296		
5,300.00	5,172.19	5,182.19	5,182.19	27.30	179.20	177.20	218.85	-5,576.36	6,676.61	6,472.93	203.67	32.781		
5,400.00	5,269.38	5,279.38	5,279.38	27.83	182.59	177.21	218.85	-5,576.36	6,700.12	6,492.59	207.53	32.285		
5,457.75	5,325.51	5,335.51	5,335.51	28.14	184.55	177.21	218.85	-5,576.36	6,713.71	6,503.94	209.76	32.006		
5,500.00	5,366.64	5,376.64	5,376.64	28.37	185.98	177.22	218.85	-5,576.36	6,723.34	6,511.94	211.39	31.805		
5,600.00	5,464.53	5,474.53	5,474.53	28.87	189.40	177.25	218.85	-5,576.36	6,743.72	6,528.45	215.27	31.327		
5,700.00	5,563.07	5,573.07	5,573.07	29.35	192.84	177.28	218.85	-5,576.36	6,760.67	6,541.51	219.16	30.848		
5,800.00	5,662.15	5,672.15	5,672.15	29.80	196.30	177.29	218.85	-5,576.36	6,774.18	6,551.12	223.06	30.369		
5,900.00	5,761.64	5,771.64	5,771.64	30.23	199.77	177.31	218.85	-5,576.36	6,784.23	6,557.27	226.96	29.891		
6,000.00	5,861.42	5,871.42	5,871.42	30.64	203.25	177.32	218.85	-5,576.36	6,790.80	6,559.94	230.86	29.415		
6,100.00	5,961.36	5,971.36	5,971.36	31.02	206.74	177.32	218.85	-5,576.36	6,793.89	6,559.13	234.76	28.940		
6,138.64	6,000.00	6,010.00	6,010.00	31.16	208.09	-87.17	218.85	-5,576.36	6,794.15	6,557.89	236.26	28.757		
6,200.00	6,061.36	6,071.36	6,071.36	31.38	210.23	-87.17	218.85	-5,576.36	6,794.15	6,555.52	238.63	28.471		
6,300.00	6,161.36	6,171.36	6,171.36	31.74	213.72	-87.17	218.85	-5,576.36	6,794.15	6,551.65	242.50	28.017		
6,400.00	6,261.36	6,271.36	6,271.36	32.10	217.21	-87.17	218.85	-5,576.36	6,794.15	6,547.78	246.37	27.577		
6,500.00	6,361.36	6,371.36	6,371.36	32.46	220.70	-87.17	218.85	-5,576.36	6,794.15	6,543.91	250.24	27.151		
6,562.02	6,423.38	6,433.38	6,433.38	32.68	222.87	-87.17	218.85	-5,576.36	6,794.15	6,541.51	252.64	26.892		
6,600.00	6,461.34	6,471.34	6,471.34	32.82	224.19	3.14	218.85	-5,576.36	6,793.02	6,538.92	254.10	26.733		
6,650.00	6,511.08	6,521.08	6,521.08	32.99	225.93	3.16	218.85	-5,576.36	6,788.09	6,532.09	256.00	26.516		
6,700.00	6,560.29	6,570.29	6,570.29	33.17	227.65	3.21	218.85	-5,576.36	6,779.28	6,521.41	257.87	26.290		
6,750.00	6,608.64	6,618.64	6,618.64	33.36	229.34	3.29	218.85	-5,576.36	6,766.64	6,506.95	259.69	26.057		
6,800.00	6,655.86	6,665.86	6,665.86	33.56	230.98	3.38	218.85	-5,576.36	6,750.25	6,488.80	261.45	25.819		
6,850.00	6,701.64	6,711.64	6,711.64	33.78	232.58	3.51	218.85	-5,576.36	6,730.21	6,467.07	263.14	25.576		
6,900.00	6,745.71	6,755.71	6,755.71	34.01	234.12	3.68	218.85	-5,576.36	6,706.65	6,441.89	264.76	25.331		
6,950.00	6,787.79	6,802.21	6,797.79	34.27	235.74	3.88	218.85	-5,576.36	6,679.71	6,413.27	266.45	25.070		
7,000.00	6,827.62	6,837.62	6,837.62	34.56	236.98	4.14	218.85	-5,576.36	6,649.56	6,381.83	267.73	24.837		
7,050.00	6,864.96	6,874.96	6,874.96	34.87	238.28	4.46	218.85	-5,576.36	6,616.38	6,347.31	269.06	24.590		
7,100.00	6,899.58	6,909.58	6,909.58	35.21	239.49	4.86	218.85	-5,576.36	6,580.38	6,310.08	270.29	24.345		
7,150.00	6,931.26	6,941.26	6,941.26	35.60	240.60	5.38	218.85	-5,576.36	6,541.77	6,270.37	271.41	24.103		
7,200.00	6,959.81	6,969.81	6,969.81	36.02	241.59	6.06	218.85	-5,576.36	6,500.81	6,228.40	272.40	23.865		
7,250.00	6,985.06	7,004.94	6,995.06	36.47	242.82	6.97	218.85	-5,576.36	6,457.73	6,184.11	273.62	23.601		
7,300.00	7,006.84	7,016.84	7,016.84	36.97	243.23	8.24	218.85	-5,576.36	6,412.82	6,138.79	274.03	23.402		
7,350.00	7,025.02	7,035.02	7,035.02	37.51	243.87	10.13	218.85	-5,576.36	6,366.33	6,091.69	274.65	23.180		
7,400.00	7,039.49	7,049.49	7,049.49	38.09	244.37	13.15	218.85	-5,576.36	6,318.57	6,043.43	275.14	22.965		
7,450.00	7,050.17	7,060.17	7,060.17	38.70	244.75	18.71	218.85	-5,576.36	6,269.82	5,994.33	275.49	22.759		
7,500.00	7,056.98	7,066.98	7,066.98	39.33	244.99	31.57	218.85	-5,576.36	6,220.39	5,944.67	275.72	22.560		
7,550.00	7,059.89	7,069.89	7,069.89	39.99	245.09	72.60	218.85	-5,576.36	6,170.57	5,894.76	275.82	22.372		
7,560.55	7,060.00	7,070.00	7,070.00	40.13	245.09	87.81	218.85	-5,576.36	6,160.04	5,884.22	275.82	22.333		
7,600.00	7,060.09	7,070.09	7,070.09	40.67	245.09	87.83	218.85	-5,576.36	6,120.67	5,844.84	275.83	22.190		
7,700.00	7,060.32	7,070.32	7,070.32	42.14	245.10	87.86	218.85	-5,576.36	6,020.85	5,745.01	275.84	21.827		
7,800.00	7,060.55	7,070.55	7,070.55	43.75	245.11	87.90	218.85	-5,576.36	5,921.05	5,645.19	275.85	21.465		
7,900.00	7,060.78	7,070.78	7,070.78	45.48	245.12	87.93	218.85	-5,576.36	5,821.25	5,545.38	275.87	21.101		
8,000.00	7,061.01	7,071.01	7,071.01	47.33	245.13	87.97	218.85	-5,576.36	5,721.45	5,445.56	275.89	20.738		
8,100.00	7,061.24	7,071.24	7,071.24	49.27	245.13	88.00	218.85	-5,576.36	5,621.67	5,345.76	275.91	20.375		
8,200.00	7,061.47	7,071.47	7,071.47	51.29	245.14	88.04	218.85	-5,576.36	5,521.89	5,245.95	275.94	20.011		
8,300.00	7,061.70	7,071.70	7,071.70	53.40	245.15	88.08	218.85	-5,576.36	5,422.12	5,146.15	275.97	19.647		
8,400.00	7,061.93	7,071.93	7,071.93	55.57	245.16	88.11	218.85	-5,576.36	5,322.36	5,046.36	276.00	19.284		
8,500.00	7,062.16	7,072.16	7,072.16	57.80	245.17	88.15	218.85	-5,576.36	5,222.61	4,946.57	276.04	18.920		
8,600.00	7,062.39	7,072.39	7,072.39	60.08	245.17	88.18	218.85	-5,576.36	5,122.87	4,846.78	276.08	18.555		
8,700.00	7,062.63	7,072.63	7,072.63	62.42	245.18	88.22	218.85	-5,576.36	5,023.13	4,747.00	276.13	18.191		
8,800.00	7,062.86	7,072.86	7,072.86	64.79	245.19	88.25	218.85	-5,576.36	4,923.41	4,647.23	276.18	17.827		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,073.09	7,073.09	67.20	245.20	88.29	218.85	-5,576.36	4,823.70	4,547.46	276.24	17.462		
9,000.00	7,063.32	7,073.32	7,073.32	69.65	245.21	88.32	218.85	-5,576.36	4,724.01	4,447.70	276.30	17.097		
9,100.00	7,063.55	7,073.55	7,073.55	72.12	245.21	88.36	218.85	-5,576.36	4,624.32	4,347.95	276.37	16.732		
9,200.00	7,063.78	7,073.78	7,073.78	74.63	245.22	88.40	218.85	-5,576.36	4,524.65	4,248.21	276.45	16.367		
9,300.00	7,064.01	7,074.01	7,074.01	77.16	245.23	88.43	218.85	-5,576.36	4,425.00	4,148.47	276.53	16.002		
9,400.00	7,064.24	7,074.24	7,074.24	79.71	245.24	88.47	218.85	-5,576.36	4,325.36	4,048.74	276.62	15.636		
9,500.00	7,064.47	7,074.47	7,074.47	82.28	245.25	88.50	218.85	-5,576.36	4,225.74	3,949.01	276.72	15.271		
9,600.00	7,064.70	7,074.70	7,074.70	84.87	245.25	88.54	218.85	-5,576.36	4,126.13	3,849.30	276.83	14.905		
9,700.00	7,064.93	7,074.93	7,074.93	87.47	245.26	88.57	218.85	-5,576.36	4,026.55	3,749.60	276.95	14.539		
9,800.00	7,065.16	7,075.16	7,075.16	90.09	245.27	88.61	218.85	-5,576.36	3,926.98	3,649.90	277.08	14.173		
9,900.00	7,065.39	7,075.39	7,075.39	92.73	245.28	88.64	218.85	-5,576.36	3,827.44	3,550.21	277.23	13.806		
10,000.00	7,065.62	7,075.62	7,075.62	95.38	245.29	88.68	218.85	-5,576.36	3,727.93	3,450.54	277.39	13.439		
10,100.00	7,065.85	7,075.85	7,075.85	98.04	245.29	88.72	218.85	-5,576.36	3,628.44	3,350.87	277.56	13.072		
10,200.00	7,066.08	7,076.08	7,076.08	100.71	245.30	88.75	218.85	-5,576.36	3,528.98	3,251.22	277.76	12.705		
10,300.00	7,066.31	7,076.31	7,076.31	103.39	245.31	88.79	218.85	-5,576.36	3,429.55	3,151.58	277.97	12.338		
10,400.00	7,066.54	7,076.54	7,076.54	106.08	245.32	88.82	218.85	-5,576.36	3,330.15	3,051.95	278.20	11.970		
10,500.00	7,066.77	7,076.77	7,076.77	108.78	245.33	88.86	218.85	-5,576.36	3,230.79	2,952.33	278.46	11.602		
10,600.00	7,067.01	7,077.01	7,077.01	111.48	245.34	88.89	218.85	-5,576.36	3,131.48	2,852.73	278.75	11.234		
10,700.00	7,067.24	7,077.24	7,077.24	114.20	245.34	88.93	218.85	-5,576.36	3,032.21	2,753.13	279.07	10.865		
10,800.00	7,067.47	7,077.47	7,077.47	116.92	245.35	88.96	218.85	-5,576.36	2,932.98	2,653.56	279.43	10.496		
10,900.00	7,067.70	7,077.70	7,077.70	119.65	245.36	89.00	218.85	-5,576.36	2,833.82	2,553.99	279.82	10.127		
11,000.00	7,067.93	7,077.93	7,077.93	122.38	245.37	89.04	218.85	-5,576.36	2,734.71	2,454.45	280.26	9.758		
11,100.00	7,068.16	7,078.16	7,078.16	125.12	245.38	89.07	218.85	-5,576.36	2,635.67	2,354.91	280.75	9.388		
11,200.00	7,068.39	7,078.39	7,078.39	127.86	245.38	89.11	218.85	-5,576.36	2,536.70	2,255.40	281.31	9.018		
11,300.00	7,068.62	7,078.62	7,078.62	130.61	245.39	89.14	218.85	-5,576.36	2,437.82	2,155.89	281.93	8.647		
11,400.00	7,068.85	7,078.85	7,078.85	133.37	245.40	89.18	218.85	-5,576.36	2,339.04	2,056.41	282.63	8.276		
11,500.00	7,069.08	7,079.08	7,079.08	136.12	245.41	89.21	218.85	-5,576.36	2,240.36	1,956.94	283.43	7.905		
11,600.00	7,069.31	7,079.31	7,079.31	138.89	245.42	89.25	218.85	-5,576.36	2,141.81	1,857.48	284.33	7.533		
11,700.00	7,069.54	7,079.54	7,079.54	141.65	245.42	89.28	218.85	-5,576.36	2,043.39	1,758.04	285.35	7.161		
11,800.00	7,069.77	7,079.77	7,079.77	144.42	245.43	89.32	218.85	-5,576.36	1,945.14	1,658.62	286.52	6.789		
11,900.00	7,070.00	7,080.00	7,080.00	147.19	245.44	89.36	218.85	-5,576.36	1,847.07	1,559.21	287.87	6.416		
12,000.00	7,070.23	7,080.23	7,080.23	149.97	245.45	89.39	218.85	-5,576.36	1,749.23	1,459.82	289.41	6.044		
12,100.00	7,070.46	7,080.46	7,080.46	152.75	245.46	89.43	218.85	-5,576.36	1,651.64	1,360.44	291.20	5.672		
12,200.00	7,070.69	7,080.69	7,080.69	155.53	245.46	89.46	218.85	-5,576.36	1,554.36	1,261.09	293.28	5.300		
12,300.00	7,070.92	7,080.92	7,080.92	158.32	245.47	89.50	218.85	-5,576.36	1,457.45	1,161.75	295.70	4.929		
12,400.00	7,071.16	7,081.16	7,081.16	161.10	245.48	89.53	218.85	-5,576.36	1,360.98	1,062.43	298.55	4.559		
12,500.00	7,071.39	7,081.39	7,081.39	163.89	245.49	89.57	218.85	-5,576.36	1,265.06	963.15	301.91	4.190		
12,600.00	7,071.62	7,081.62	7,081.62	166.69	245.50	89.61	218.85	-5,576.36	1,169.83	863.92	305.91	3.824		
12,700.00	7,071.85	7,081.85	7,081.85	169.48	245.50	89.64	218.85	-5,576.36	1,075.46	764.76	310.71	3.461		
12,800.00	7,072.08	7,082.08	7,082.08	172.28	245.51	89.68	218.85	-5,576.36	982.21	665.71	316.50	3.103		
12,900.00	7,072.31	7,082.31	7,082.31	175.08	245.52	89.71	218.85	-5,576.36	890.42	566.88	323.55	2.752		
13,000.00	7,072.54	7,082.54	7,082.54	177.88	245.53	89.75	218.85	-5,576.36	800.60	468.40	332.20	2.410		
13,100.00	7,072.77	7,082.77	7,082.77	180.68	245.54	89.78	218.85	-5,576.36	713.50	370.61	342.89	2.081		
13,200.00	7,073.00	7,083.00	7,083.00	183.48	245.54	89.82	218.85	-5,576.36	630.24	274.10	356.14	1.770		
13,300.00	7,073.23	7,083.23	7,083.23	186.29	245.55	89.85	218.85	-5,576.36	552.55	180.13	372.42	1.484 Level 3		
13,400.00	7,073.46	7,083.46	7,083.46	189.09	245.56	89.89	218.85	-5,576.36	483.15	91.33	391.82	1.233 Level 2		
13,500.00	7,073.69	7,083.69	7,083.69	191.90	245.57	89.93	218.85	-5,576.36	426.08	12.98	413.10	1.031 Level 2		
13,600.00	7,073.92	7,083.92	7,083.92	194.71	245.58	89.96	218.85	-5,576.36	386.86	-45.50	432.36	0.895 Level 1		
13,700.00	7,074.15	7,084.15	7,084.15	197.52	245.58	90.00	218.85	-5,576.36	371.18	-71.84	443.03	0.838 Level 1		
13,709.42	7,074.17	7,084.17	7,084.17	197.79	245.59	90.00	218.85	-5,576.36	371.06	-72.31	443.37	0.837 Level 1, CC, ES, SF		
13,800.00	7,074.38	7,084.38	7,084.38	200.34	245.59	90.03	218.85	-5,576.36	381.96	-58.58	440.54	0.867 Level 1		
13,900.00	7,074.61	7,084.61	7,084.61	203.15	245.60	90.07	218.85	-5,576.36	417.14	-10.12	427.26	0.976 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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,084.84	7,084.84	205.97	245.61	90.10	218.85	-5,576.36	471.30	61.82	409.48	1.151 Level 2		
14,100.00	7,075.07	7,085.07	7,085.07	208.78	245.62	90.14	218.85	-5,576.36	538.74	146.82	391.92	1.375 Level 3		
14,200.00	7,075.30	7,085.30	7,085.30	211.60	245.62	90.17	218.85	-5,576.36	615.10	238.56	376.54	1.634		
14,300.00	7,075.54	7,085.54	7,085.54	214.42	245.63	90.21	218.85	-5,576.36	697.47	333.76	363.71	1.918		
14,400.00	7,075.77	7,085.77	7,085.77	217.24	245.64	90.25	218.85	-5,576.36	783.95	430.78	353.17	2.220		
14,500.00	7,076.00	7,086.00	7,086.00	220.06	245.65	90.28	218.85	-5,576.36	873.32	528.80	344.52	2.535		
14,600.00	7,076.23	7,086.23	7,086.23	222.88	245.66	90.32	218.85	-5,576.36	964.79	627.40	337.39	2.860		
14,700.00	7,076.46	7,086.46	7,086.46	225.70	245.67	90.35	218.85	-5,576.36	1,057.79	726.34	331.45	3.191		
14,800.00	7,076.69	7,086.69	7,086.69	228.53	245.67	90.39	218.85	-5,576.36	1,151.97	825.49	326.48	3.528		
14,900.00	7,076.92	7,086.92	7,086.92	231.35	245.68	90.42	218.85	-5,576.36	1,247.06	924.79	322.27	3.870		
15,000.00	7,077.15	7,087.15	7,087.15	234.18	245.69	90.46	218.85	-5,576.36	1,342.86	1,024.18	318.68	4.214		
15,100.00	7,077.38	7,087.38	7,087.38	237.00	245.70	90.50	218.85	-5,576.36	1,439.23	1,123.63	315.60	4.560		
15,200.00	7,077.61	7,087.61	7,087.61	239.83	245.71	90.53	218.85	-5,576.36	1,536.06	1,223.14	312.93	4.909		
15,300.00	7,077.84	7,087.84	7,087.84	242.66	245.71	90.57	218.85	-5,576.36	1,633.28	1,322.68	310.60	5.258		
15,400.00	7,078.07	7,088.07	7,088.07	245.49	245.72	90.60	218.85	-5,576.36	1,730.82	1,422.25	308.57	5.609		
15,500.00	7,078.30	7,088.30	7,088.30	248.31	245.73	90.64	218.85	-5,576.36	1,828.62	1,521.84	306.78	5.961		
15,600.00	7,078.53	7,088.53	7,088.53	251.14	245.74	90.67	218.85	-5,576.36	1,926.64	1,621.45	305.20	6.313		
15,700.00	7,078.76	7,088.76	7,088.76	253.97	245.75	90.71	218.85	-5,576.36	2,024.86	1,721.07	303.79	6.665		
15,800.00	7,078.99	7,088.99	7,088.99	256.80	245.75	90.74	218.85	-5,576.36	2,123.25	1,820.71	302.53	7.018		
15,900.00	7,079.22	7,089.22	7,089.22	259.64	245.76	90.78	218.85	-5,576.36	2,221.78	1,920.36	301.41	7.371		
16,000.00	7,079.45	7,089.45	7,089.45	262.47	245.77	90.82	218.85	-5,576.36	2,320.43	2,020.03	300.40	7.724		
16,100.00	7,079.69	7,089.69	7,089.69	265.30	245.78	90.85	218.85	-5,576.36	2,419.20	2,119.70	299.50	8.078		
16,200.00	7,079.92	7,089.92	7,089.92	268.13	245.79	90.89	218.85	-5,576.36	2,518.06	2,219.38	298.68	8.431		
16,300.00	7,080.15	7,109.85	7,090.15	270.97	246.48	90.92	218.85	-5,576.36	2,617.01	2,318.38	298.63	8.764		
16,400.00	7,080.38	7,109.62	7,090.38	273.80	246.47	90.96	218.85	-5,576.36	2,716.04	2,418.10	297.94	9.116		
16,500.00	7,080.61	7,109.39	7,090.61	276.64	246.47	90.99	218.85	-5,576.36	2,815.13	2,517.82	297.31	9.469		
16,600.00	7,080.84	7,109.16	7,090.84	279.47	246.46	91.03	218.85	-5,576.36	2,914.29	2,617.55	296.74	9.821		
16,700.00	7,081.07	7,108.93	7,091.07	282.31	246.45	91.06	218.85	-5,576.36	3,013.50	2,717.28	296.22	10.173		
16,800.00	7,081.30	7,108.70	7,091.30	285.14	246.44	91.10	218.85	-5,576.36	3,112.76	2,817.02	295.74	10.525		
16,900.00	7,081.53	7,108.47	7,091.53	287.98	246.43	91.14	218.85	-5,576.36	3,212.07	2,916.76	295.31	10.877		
17,000.00	7,081.76	7,108.24	7,091.76	290.82	246.43	91.17	218.85	-5,576.36	3,311.42	3,016.51	294.91	11.229		
17,100.00	7,081.99	7,108.01	7,091.99	293.65	246.42	91.21	218.85	-5,576.36	3,410.81	3,116.27	294.54	11.580		
17,200.00	7,082.22	7,107.78	7,092.22	296.49	246.41	91.24	218.85	-5,576.36	3,510.23	3,216.03	294.21	11.931		
17,300.00	7,082.45	7,107.55	7,092.45	299.33	246.40	91.28	218.85	-5,576.36	3,609.69	3,315.79	293.90	12.282		
17,400.00	7,082.68	7,107.32	7,092.68	302.17	246.39	91.31	218.85	-5,576.36	3,709.17	3,415.56	293.61	12.633		
17,500.00	7,082.91	7,107.09	7,092.91	305.01	246.39	91.35	218.85	-5,576.36	3,808.68	3,515.33	293.35	12.983		
17,600.00	7,083.14	7,106.86	7,093.14	307.85	246.38	91.38	218.85	-5,576.36	3,908.22	3,615.11	293.11	13.334		
17,700.00	7,083.37	7,106.63	7,093.37	310.69	246.37	91.42	218.85	-5,576.36	4,007.78	3,714.89	292.89	13.684		
17,800.00	7,083.60	7,106.40	7,093.60	313.53	246.36	91.46	218.85	-5,576.36	4,107.36	3,814.67	292.69	14.033		
17,900.00	7,083.84	7,106.17	7,093.84	316.37	246.35	91.49	218.85	-5,576.36	4,206.96	3,914.46	292.50	14.383		
18,000.00	7,084.07	7,105.93	7,094.07	319.21	246.34	91.53	218.85	-5,576.36	4,306.58	4,014.25	292.33	14.732		
18,100.00	7,084.30	7,105.70	7,094.30	322.05	246.34	91.56	218.85	-5,576.36	4,406.22	4,114.04	292.18	15.081		
18,200.00	7,084.53	7,105.47	7,094.53	324.89	246.33	91.60	218.85	-5,576.36	4,505.87	4,213.83	292.04	15.429		
18,300.00	7,084.76	7,105.24	7,094.76	327.73	246.32	91.63	218.85	-5,576.36	4,605.54	4,313.63	291.91	15.777		
18,400.00	7,084.99	7,105.01	7,094.99	330.57	246.31	91.67	218.85	-5,576.36	4,705.22	4,413.43	291.79	16.125		
18,500.00	7,085.22	7,104.78	7,095.22	333.41	246.30	91.70	218.85	-5,576.36	4,804.91	4,513.23	291.68	16.473		
18,600.00	7,085.45	7,104.55	7,095.45	336.26	246.30	91.74	218.85	-5,576.36	4,904.62	4,613.04	291.58	16.821		
18,700.00	7,085.68	7,104.32	7,095.68	339.10	246.29	91.78	218.85	-5,576.36	5,004.34	4,712.84	291.50	17.168		
18,800.00	7,085.91	7,104.09	7,095.91	341.94	246.28	91.81	218.85	-5,576.36	5,104.07	4,812.65	291.42	17.515		
18,839.14	7,086.00	7,104.00	7,096.00	343.06	246.28	91.83	218.85	-5,576.36	5,143.11	4,851.72	291.39	17.650		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-89.22	43.93	-3,231.77	3,232.06					
100.00	100.00	116.00	116.00	3.28	4.01	-89.22	43.93	-3,231.77	3,232.06	3,224.77	7.29	443.169		
200.00	200.00	216.00	216.00	3.34	6.66	-89.22	43.93	-3,231.77	3,232.06	3,222.07	10.00	323.337		
300.00	300.00	316.00	316.00	3.44	9.85	-89.22	43.93	-3,231.77	3,232.06	3,218.77	13.29	243.136		
400.00	399.98	415.98	415.98	3.60	13.19	175.27	43.93	-3,231.77	3,233.80	3,217.01	16.79	192.600		
500.00	499.84	515.84	515.84	3.80	16.59	175.27	43.93	-3,231.77	3,239.02	3,218.63	20.39	158.871		
600.00	599.45	615.45	615.45	4.04	20.01	175.27	43.93	-3,231.77	3,247.70	3,223.66	24.05	135.053		
700.00	698.70	714.70	714.70	4.31	23.44	175.26	43.93	-3,231.77	3,259.85	3,232.10	27.75	117.487		
800.00	797.47	813.47	813.47	4.62	26.85	175.26	43.93	-3,231.77	3,275.44	3,243.97	31.47	104.087		
900.00	895.62	911.62	911.62	4.97	30.26	175.26	43.93	-3,231.77	3,294.46	3,259.26	35.20	93.589		
980.89	974.49	1,009.51	990.49	5.27	33.66	175.25	43.93	-3,231.77	3,312.33	3,273.45	38.88	85.186		
1,000.00	993.07	1,009.07	1,009.07	5.34	33.64	175.26	43.93	-3,231.77	3,316.82	3,277.88	38.94	85.178		
1,100.00	1,090.26	1,106.26	1,106.26	5.75	37.02	175.29	43.93	-3,231.77	3,340.28	3,297.61	42.68	78.272		
1,200.00	1,187.45	1,203.45	1,203.45	6.17	40.40	175.32	43.93	-3,231.77	3,363.75	3,317.32	46.43	72.449		
1,300.00	1,284.64	1,300.64	1,300.64	6.62	43.78	175.36	43.93	-3,231.77	3,387.23	3,337.03	50.20	67.476		
1,400.00	1,381.83	1,402.17	1,397.83	7.07	47.32	175.39	43.93	-3,231.77	3,410.70	3,356.57	54.13	63.007		
1,500.00	1,479.01	1,504.99	1,495.01	7.54	50.90	175.42	43.93	-3,231.77	3,434.17	3,376.05	58.12	59.088		
1,600.00	1,576.20	1,607.80	1,592.20	8.02	54.48	175.45	43.93	-3,231.77	3,457.64	3,395.53	62.12	55.665		
1,700.00	1,673.39	1,689.39	1,689.39	8.50	57.33	175.48	43.93	-3,231.77	3,481.12	3,415.74	65.38	53.244		
1,800.00	1,770.58	1,786.58	1,786.58	8.99	60.71	175.51	43.93	-3,231.77	3,504.59	3,435.40	69.19	50.649		
1,900.00	1,867.77	1,883.77	1,883.77	9.48	64.10	175.54	43.93	-3,231.77	3,528.07	3,455.06	73.01	48.321		
2,000.00	1,964.96	1,980.96	1,980.96	9.98	67.49	175.57	43.93	-3,231.77	3,551.55	3,474.71	76.84	46.222		
2,100.00	2,062.15	2,078.15	2,078.15	10.49	70.88	175.60	43.93	-3,231.77	3,575.03	3,494.36	80.66	44.320		
2,200.00	2,159.34	2,175.34	2,175.34	10.99	74.27	175.63	43.93	-3,231.77	3,598.50	3,514.01	84.49	42.589		
2,300.00	2,256.53	2,272.53	2,272.53	11.50	77.66	175.66	43.93	-3,231.77	3,621.98	3,533.66	88.33	41.006		
2,400.00	2,353.71	2,369.71	2,369.71	12.01	81.05	175.69	43.93	-3,231.77	3,645.47	3,553.30	92.16	39.554		
2,500.00	2,450.90	2,466.90	2,466.90	12.53	84.44	175.71	43.93	-3,231.77	3,668.95	3,572.94	96.00	38.217		
2,600.00	2,548.09	2,564.09	2,564.09	13.04	87.83	175.74	43.93	-3,231.77	3,692.43	3,592.59	99.84	36.982		
2,700.00	2,645.28	2,661.28	2,661.28	13.56	91.22	175.77	43.93	-3,231.77	3,715.91	3,612.23	103.69	35.838		
2,800.00	2,742.47	2,758.47	2,758.47	14.08	94.61	175.79	43.93	-3,231.77	3,739.40	3,631.87	107.53	34.775		
2,900.00	2,839.66	2,855.66	2,855.66	14.60	98.00	175.82	43.93	-3,231.77	3,762.88	3,651.51	111.38	33.785		
3,000.00	2,936.85	2,952.85	2,952.85	15.12	101.39	175.85	43.93	-3,231.77	3,786.37	3,671.14	115.22	32.861		
3,100.00	3,034.04	3,050.04	3,050.04	15.65	104.78	175.87	43.93	-3,231.77	3,809.85	3,690.78	119.07	31.996		
3,200.00	3,131.22	3,147.22	3,147.22	16.17	108.17	175.90	43.93	-3,231.77	3,833.34	3,710.42	122.92	31.185		
3,300.00	3,228.41	3,244.41	3,244.41	16.69	111.57	175.92	43.93	-3,231.77	3,856.83	3,730.06	126.77	30.424		
3,400.00	3,325.60	3,341.60	3,341.60	17.22	114.96	175.95	43.93	-3,231.77	3,880.32	3,749.69	130.62	29.706		
3,500.00	3,422.79	3,438.79	3,438.79	17.75	118.35	175.97	43.93	-3,231.77	3,903.81	3,769.33	134.47	29.030		
3,600.00	3,519.98	3,535.98	3,535.98	18.27	121.74	176.00	43.93	-3,231.77	3,927.29	3,788.97	138.33	28.391		
3,700.00	3,617.17	3,633.17	3,633.17	18.80	125.13	176.02	43.93	-3,231.77	3,950.79	3,808.61	142.18	27.787		
3,800.00	3,714.36	3,730.36	3,730.36	19.33	128.52	176.04	43.93	-3,231.77	3,974.28	3,828.24	146.03	27.215		
3,900.00	3,811.55	3,827.55	3,827.55	19.86	131.92	176.07	43.93	-3,231.77	3,997.77	3,847.88	149.89	26.672		
4,000.00	3,908.74	3,924.74	3,924.74	20.39	135.31	176.09	43.93	-3,231.77	4,021.26	3,867.52	153.74	26.156		
4,100.00	4,005.92	4,021.92	4,021.92	20.92	138.70	176.11	43.93	-3,231.77	4,044.75	3,887.15	157.60	25.665		
4,200.00	4,103.11	4,119.11	4,119.11	21.45	142.09	176.14	43.93	-3,231.77	4,068.25	3,906.79	161.46	25.197		
4,300.00	4,200.30	4,216.30	4,216.30	21.98	145.48	176.16	43.93	-3,231.77	4,091.74	3,926.43	165.31	24.752		
4,400.00	4,297.49	4,313.49	4,313.49	22.51	148.87	176.18	43.93	-3,231.77	4,115.23	3,946.07	169.17	24.326		
4,500.00	4,394.68	4,410.68	4,410.68	23.04	152.27	176.20	43.93	-3,231.77	4,138.73	3,965.70	173.03	23.920		
4,600.00	4,491.87	4,507.87	4,507.87	23.57	155.66	176.22	43.93	-3,231.77	4,162.23	3,985.34	176.88	23.531		
4,700.00	4,589.06	4,605.06	4,605.06	24.10	159.05	176.24	43.93	-3,231.77	4,185.72	4,004.98	180.74	23.159		
4,800.00	4,686.25	4,702.25	4,702.25	24.64	162.44	176.26	43.93	-3,231.77	4,209.22	4,024.62	184.60	22.802		
4,900.00	4,783.43	4,800.57	4,799.43	25.17	165.87	176.29	43.93	-3,231.77	4,232.72	4,044.22	188.50	22.455		
5,000.00	4,880.62	4,903.38	4,896.62	25.70	169.46	176.31	43.93	-3,231.77	4,256.21	4,063.66	192.55	22.104		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,006.19	4,993.81	26.23	173.05	176.33	43.93	-3,231.77	4,279.71	4,083.10	196.61	21.768		
5,200.00	5,075.00	5,109.00	5,091.00	26.77	176.64	176.35	43.93	-3,231.77	4,303.21	4,102.55	200.66	21.445		
5,300.00	5,172.19	5,188.19	5,188.19	27.30	179.40	176.37	43.93	-3,231.77	4,326.71	4,122.81	203.90	21.220		
5,400.00	5,269.38	5,285.38	5,285.38	27.83	182.80	176.39	43.93	-3,231.77	4,350.21	4,142.45	207.76	20.939		
5,457.75	5,325.51	5,341.51	5,341.51	28.14	184.76	176.40	43.93	-3,231.77	4,363.78	4,153.80	209.98	20.781		
5,500.00	5,366.64	5,382.64	5,382.64	28.37	186.19	176.42	43.93	-3,231.77	4,373.41	4,161.79	211.62	20.667		
5,600.00	5,464.53	5,480.53	5,480.53	28.87	189.61	176.46	43.93	-3,231.77	4,393.77	4,178.28	215.49	20.389		
5,700.00	5,563.07	5,579.07	5,579.07	29.35	193.05	176.49	43.93	-3,231.77	4,410.71	4,191.33	219.38	20.105		
5,800.00	5,662.15	5,678.15	5,678.15	29.80	196.51	176.52	43.93	-3,231.77	4,424.21	4,200.93	223.28	19.814		
5,900.00	5,761.64	5,777.64	5,777.64	30.23	199.98	176.54	43.93	-3,231.77	4,434.25	4,207.07	227.18	19.518		
6,000.00	5,861.42	5,877.42	5,877.42	30.64	203.46	176.55	43.93	-3,231.77	4,440.82	4,209.73	231.09	19.217		
6,100.00	5,961.36	5,977.36	5,977.36	31.02	206.95	176.56	43.93	-3,231.77	4,443.91	4,208.93	234.98	18.912		
6,138.64	6,000.00	6,016.00	6,016.00	31.16	208.30	-87.93	43.93	-3,231.77	4,444.17	4,207.69	236.48	18.793		
6,200.00	6,061.36	6,077.36	6,077.36	31.38	210.44	-87.93	43.93	-3,231.77	4,444.17	4,205.31	238.85	18.606		
6,300.00	6,161.36	6,177.36	6,177.36	31.74	213.93	-87.93	43.93	-3,231.77	4,444.17	4,201.45	242.72	18.310		
6,400.00	6,261.36	6,277.36	6,277.36	32.10	217.42	-87.93	43.93	-3,231.77	4,444.17	4,197.58	246.59	18.022		
6,500.00	6,361.36	6,377.36	6,377.36	32.46	220.91	-87.93	43.93	-3,231.77	4,444.17	4,193.71	250.46	17.744		
6,562.02	6,423.38	6,439.38	6,439.38	32.68	223.08	-87.93	43.93	-3,231.77	4,444.17	4,191.30	252.86	17.575		
6,600.00	6,461.34	6,477.34	6,477.34	32.82	224.40	2.38	43.93	-3,231.77	4,443.04	4,188.71	254.33	17.470		
6,650.00	6,511.08	6,527.08	6,527.08	32.99	226.14	2.40	43.93	-3,231.77	4,438.10	4,181.88	256.23	17.321		
6,700.00	6,560.29	6,576.29	6,576.29	33.17	227.86	2.44	43.93	-3,231.77	4,429.29	4,171.20	258.09	17.162		
6,750.00	6,608.64	6,624.64	6,624.64	33.36	229.54	2.49	43.93	-3,231.77	4,416.64	4,156.73	259.91	16.993		
6,800.00	6,655.86	6,671.86	6,671.86	33.56	231.19	2.57	43.93	-3,231.77	4,400.24	4,138.57	261.67	16.816		
6,850.00	6,701.64	6,717.64	6,717.64	33.78	232.79	2.67	43.93	-3,231.77	4,380.19	4,116.83	263.36	16.632		
6,900.00	6,745.71	6,761.71	6,761.71	34.01	234.33	2.80	43.93	-3,231.77	4,356.61	4,091.63	264.98	16.441		
6,950.00	6,787.79	6,803.79	6,803.79	34.27	235.80	2.97	43.93	-3,231.77	4,329.66	4,063.14	266.51	16.246		
7,000.00	6,827.62	6,843.62	6,843.62	34.56	237.19	3.17	43.93	-3,231.77	4,299.48	4,031.53	267.95	16.046		
7,050.00	6,864.96	6,880.96	6,880.96	34.87	238.49	3.43	43.93	-3,231.77	4,266.28	3,997.00	269.29	15.843		
7,100.00	6,899.58	6,915.58	6,915.58	35.21	239.70	3.75	43.93	-3,231.77	4,230.26	3,959.74	270.51	15.638		
7,150.00	6,931.26	6,947.26	6,947.26	35.60	240.81	4.16	43.93	-3,231.77	4,191.63	3,920.00	271.63	15.431		
7,200.00	6,959.81	6,975.81	6,975.81	36.02	241.80	4.71	43.93	-3,231.77	4,150.64	3,878.01	272.63	15.225		
7,250.00	6,985.06	7,001.06	7,001.06	36.47	242.68	5.44	43.93	-3,231.77	4,107.53	3,834.04	273.50	15.018		
7,300.00	7,006.84	7,022.84	7,022.84	36.97	243.44	6.46	43.93	-3,231.77	4,062.59	3,788.34	274.25	14.814		
7,350.00	7,025.02	7,041.02	7,041.02	37.51	244.08	7.98	43.93	-3,231.77	4,016.07	3,741.21	274.87	14.611		
7,400.00	7,039.49	7,055.49	7,055.49	38.09	244.58	10.44	43.93	-3,231.77	3,968.28	3,692.92	275.35	14.412		
7,450.00	7,050.17	7,066.17	7,066.17	38.70	244.96	15.02	43.93	-3,231.77	3,919.50	3,643.79	275.71	14.216		
7,500.00	7,056.98	7,072.98	7,072.98	39.33	245.19	26.06	43.93	-3,231.77	3,870.03	3,594.09	275.94	14.025		
7,550.00	7,059.89	7,075.89	7,075.89	39.99	245.30	68.61	43.93	-3,231.77	3,820.19	3,544.15	276.03	13.840		
7,560.55	7,060.00	7,076.00	7,076.00	40.13	245.30	87.27	43.93	-3,231.77	3,809.65	3,533.61	276.04	13.801		
7,600.00	7,060.09	7,076.09	7,076.09	40.67	245.30	87.30	43.93	-3,231.77	3,770.25	3,494.20	276.04	13.658		
7,700.00	7,060.32	7,076.32	7,076.32	42.14	245.31	87.37	43.93	-3,231.77	3,670.37	3,394.32	276.05	13.296		
7,800.00	7,060.55	7,076.55	7,076.55	43.75	245.32	87.44	43.93	-3,231.77	3,570.50	3,294.44	276.06	12.934		
7,900.00	7,060.78	7,076.78	7,076.78	45.48	245.33	87.51	43.93	-3,231.77	3,470.63	3,194.56	276.08	12.571		
8,000.00	7,061.01	7,077.01	7,077.01	47.33	245.34	87.58	43.93	-3,231.77	3,370.78	3,094.69	276.09	12.209		
8,100.00	7,061.24	7,077.24	7,077.24	49.27	245.34	87.66	43.93	-3,231.77	3,270.93	2,994.82	276.11	11.846		
8,200.00	7,061.47	7,077.47	7,077.47	51.29	245.35	87.73	43.93	-3,231.77	3,171.10	2,894.96	276.14	11.484		
8,300.00	7,061.70	7,077.70	7,077.70	53.40	245.36	87.80	43.93	-3,231.77	3,071.27	2,795.11	276.16	11.121		
8,400.00	7,061.93	7,077.93	7,077.93	55.57	245.37	87.87	43.93	-3,231.77	2,971.46	2,695.26	276.19	10.759		
8,500.00	7,062.16	7,078.16	7,078.16	57.80	245.38	87.94	43.93	-3,231.77	2,871.65	2,595.42	276.23	10.396		
8,600.00	7,062.39	7,078.39	7,078.39	60.08	245.38	88.01	43.93	-3,231.77	2,771.87	2,495.60	276.27	10.033		
8,700.00	7,062.63	7,078.63	7,078.63	62.42	245.39	88.09	43.93	-3,231.77	2,672.10	2,395.78	276.32	9.670		
8,800.00	7,062.86	7,078.86	7,078.86	64.79	245.40	88.16	43.93	-3,231.77	2,572.34	2,295.97	276.37	9.308		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,079.09	7,079.09	67.20	245.41	88.23	43.93	-3,231.77	2,472.61	2,196.18	276.43	8.945		
9,000.00	7,063.32	7,079.32	7,079.32	69.65	245.42	88.30	43.93	-3,231.77	2,372.90	2,096.39	276.50	8.582		
9,100.00	7,063.55	7,079.55	7,079.55	72.12	245.42	88.37	43.93	-3,231.77	2,273.21	1,996.63	276.59	8.219		
9,200.00	7,063.78	7,079.78	7,079.78	74.63	245.43	88.44	43.93	-3,231.77	2,173.55	1,896.87	276.68	7.856		
9,300.00	7,064.01	7,080.01	7,080.01	77.16	245.44	88.52	43.93	-3,231.77	2,073.93	1,797.14	276.79	7.493		
9,400.00	7,064.24	7,080.24	7,080.24	79.71	245.45	88.59	43.93	-3,231.77	1,974.34	1,697.42	276.93	7.130		
9,500.00	7,064.47	7,080.47	7,080.47	82.28	245.46	88.66	43.93	-3,231.77	1,874.80	1,597.72	277.08	6.766		
9,600.00	7,064.70	7,080.70	7,080.70	84.87	245.46	88.73	43.93	-3,231.77	1,775.31	1,498.05	277.27	6.403		
9,700.00	7,064.93	7,080.93	7,080.93	87.47	245.47	88.80	43.93	-3,231.77	1,675.88	1,398.39	277.49	6.039		
9,800.00	7,065.16	7,081.16	7,081.16	90.09	245.48	88.88	43.93	-3,231.77	1,576.52	1,298.77	277.76	5.676		
9,900.00	7,065.39	7,081.39	7,081.39	92.73	245.49	88.95	43.93	-3,231.77	1,477.25	1,199.17	278.09	5.312		
10,000.00	7,065.62	7,081.62	7,081.62	95.38	245.50	89.02	43.93	-3,231.77	1,378.09	1,099.59	278.49	4.948		
10,100.00	7,065.85	7,081.85	7,081.85	98.04	245.50	89.09	43.93	-3,231.77	1,279.05	1,000.05	279.00	4.584		
10,200.00	7,066.08	7,082.08	7,082.08	100.71	245.51	89.16	43.93	-3,231.77	1,180.18	900.53	279.65	4.220		
10,300.00	7,066.31	7,082.31	7,082.31	103.39	245.52	89.23	43.93	-3,231.77	1,081.51	801.03	280.48	3.856		
10,400.00	7,066.54	7,082.54	7,082.54	106.08	245.53	89.31	43.93	-3,231.77	983.11	701.54	281.58	3.491		
10,500.00	7,066.77	7,082.77	7,082.77	108.78	245.54	89.38	43.93	-3,231.77	885.08	602.04	283.04	3.127		
10,600.00	7,067.01	7,083.01	7,083.01	111.48	245.54	89.45	43.93	-3,231.77	787.53	502.51	285.02	2.763		
10,700.00	7,067.24	7,083.24	7,083.24	114.20	245.55	89.52	43.93	-3,231.77	690.69	402.89	287.80	2.400		
10,800.00	7,067.47	7,083.47	7,083.47	116.92	245.56	89.59	43.93	-3,231.77	594.89	303.12	291.78	2.039		
10,900.00	7,067.70	7,083.70	7,083.70	119.65	245.57	89.67	43.93	-3,231.77	500.74	203.09	297.65	1.682		
11,000.00	7,067.93	7,083.93	7,083.93	122.38	245.58	89.74	43.93	-3,231.77	409.38	102.76	306.62	1.335 Level 3		
11,100.00	7,068.16	7,084.16	7,084.16	125.12	245.58	89.81	43.93	-3,231.77	323.17	2.49	320.68	1.008 Level 2		
11,200.00	7,068.39	7,084.39	7,084.39	127.86	245.59	89.88	43.93	-3,231.77	247.56	-94.77	342.33	0.723 Level 1		
11,300.00	7,068.62	7,084.62	7,084.62	130.61	245.60	89.95	43.93	-3,231.77	195.27	-173.49	368.76	0.530 Level 1		
11,365.76	7,068.77	7,084.77	7,084.77	132.42	245.61	90.00	43.93	-3,231.77	183.86	-194.17	378.03	0.486 Level 1, CC, ES, SF		
11,400.00	7,068.85	7,084.85	7,084.85	133.37	245.61	90.02	43.93	-3,231.77	187.02	-189.98	377.00	0.496 Level 1		
11,500.00	7,069.08	7,085.08	7,085.08	136.12	245.62	90.10	43.93	-3,231.77	227.64	-129.96	357.60	0.637 Level 1		
11,600.00	7,069.31	7,085.31	7,085.31	138.89	245.63	90.17	43.93	-3,231.77	297.77	-37.76	335.53	0.887 Level 1		
11,700.00	7,069.54	7,085.54	7,085.54	141.65	245.63	90.24	43.93	-3,231.77	381.46	61.47	320.00	1.192 Level 2		
11,800.00	7,069.77	7,085.77	7,085.77	144.42	245.64	90.31	43.93	-3,231.77	471.55	161.80	309.74	1.522		
11,900.00	7,070.00	7,086.00	7,086.00	147.19	245.65	90.38	43.93	-3,231.77	564.98	262.14	302.84	1.866		
12,000.00	7,070.23	7,086.23	7,086.23	149.97	245.66	90.46	43.93	-3,231.77	660.34	362.31	298.03	2.216		
12,100.00	7,070.46	7,086.46	7,086.46	152.75	245.67	90.53	43.93	-3,231.77	756.90	462.33	294.57	2.570		
12,200.00	7,070.69	7,086.69	7,086.69	155.53	245.67	90.60	43.93	-3,231.77	854.25	562.25	292.00	2.926		
12,300.00	7,070.92	7,086.92	7,086.92	158.32	245.68	90.67	43.93	-3,231.77	952.15	662.11	290.04	3.283		
12,400.00	7,071.16	7,087.16	7,087.16	161.10	245.69	90.74	43.93	-3,231.77	1,050.44	761.92	288.52	3.641		
12,500.00	7,071.39	7,087.39	7,087.39	163.89	245.70	90.81	43.93	-3,231.77	1,149.03	861.71	287.32	3.999		
12,600.00	7,071.62	7,087.62	7,087.62	166.69	245.71	90.89	43.93	-3,231.77	1,247.85	961.48	286.36	4.358		
12,700.00	7,071.85	7,087.85	7,087.85	169.48	245.71	90.96	43.93	-3,231.77	1,346.83	1,061.25	285.58	4.716		
12,800.00	7,072.08	7,088.08	7,088.08	172.28	245.72	91.03	43.93	-3,231.77	1,445.96	1,161.02	284.94	5.075		
12,900.00	7,072.31	7,088.31	7,088.31	175.08	245.73	91.10	43.93	-3,231.77	1,545.20	1,260.79	284.41	5.433		
13,000.00	7,072.54	7,088.54	7,088.54	177.88	245.74	91.17	43.93	-3,231.77	1,644.54	1,360.56	283.97	5.791		
13,100.00	7,072.77	7,088.77	7,088.77	180.68	245.75	91.25	43.93	-3,231.77	1,743.94	1,460.34	283.60	6.149		
13,200.00	7,073.00	7,089.00	7,089.00	183.48	245.75	91.32	43.93	-3,231.77	1,843.42	1,560.12	283.29	6.507		
13,300.00	7,073.23	7,089.23	7,089.23	186.29	245.76	91.39	43.93	-3,231.77	1,942.94	1,659.91	283.03	6.865		
13,400.00	7,073.46	7,089.46	7,089.46	189.09	245.77	91.46	43.93	-3,231.77	2,042.52	1,759.71	282.81	7.222		
13,500.00	7,073.69	7,089.69	7,089.69	191.90	245.78	91.53	43.93	-3,231.77	2,142.13	1,859.51	282.62	7.579		
13,600.00	7,073.92	7,089.92	7,089.92	194.71	245.79	91.60	43.93	-3,231.77	2,241.78	1,959.31	282.47	7.936		
13,700.00	7,074.15	7,090.15	7,090.15	197.52	246.48	91.68	43.93	-3,231.77	2,341.45	2,058.43	283.02	8.273		
13,800.00	7,074.38	7,090.38	7,090.38	200.34	246.47	91.75	43.93	-3,231.77	2,441.16	2,158.26	282.89	8.629		
13,900.00	7,074.61	7,090.61	7,090.61	203.15	246.47	91.82	43.93	-3,231.77	2,540.88	2,258.10	282.79	8.985		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,109.16	7,090.84	205.97	246.46	91.89	43.93	-3,231.77	2,640.63	2,357.94	282.69	9.341		
14,100.00	7,075.07	7,108.93	7,091.07	208.78	246.45	91.96	43.93	-3,231.77	2,740.40	2,457.78	282.62	9.697		
14,200.00	7,075.30	7,108.70	7,091.30	211.60	246.44	92.04	43.93	-3,231.77	2,840.18	2,557.63	282.55	10.052		
14,300.00	7,075.54	7,108.46	7,091.54	214.42	246.43	92.11	43.93	-3,231.77	2,939.98	2,657.48	282.50	10.407		
14,400.00	7,075.77	7,108.23	7,091.77	217.24	246.43	92.18	43.93	-3,231.77	3,039.79	2,757.33	282.45	10.762		
14,500.00	7,076.00	7,108.00	7,092.00	220.06	246.42	92.25	43.93	-3,231.77	3,139.61	2,857.19	282.42	11.117		
14,600.00	7,076.23	7,107.77	7,092.23	222.88	246.41	92.32	43.93	-3,231.77	3,239.44	2,957.05	282.40	11.471		
14,700.00	7,076.46	7,107.54	7,092.46	225.70	246.40	92.39	43.93	-3,231.77	3,339.29	3,056.91	282.38	11.826		
14,800.00	7,076.69	7,107.31	7,092.69	228.53	246.39	92.47	43.93	-3,231.77	3,439.14	3,156.77	282.37	12.180		
14,900.00	7,076.92	7,107.08	7,092.92	231.35	246.39	92.54	43.93	-3,231.77	3,539.00	3,256.64	282.36	12.534		
15,000.00	7,077.15	7,106.85	7,093.15	234.18	246.38	92.61	43.93	-3,231.77	3,638.87	3,356.51	282.36	12.887		
15,100.00	7,077.38	7,106.62	7,093.38	237.00	246.37	92.68	43.93	-3,231.77	3,738.74	3,456.38	282.37	13.241		
15,200.00	7,077.61	7,106.39	7,093.61	239.83	246.36	92.75	43.93	-3,231.77	3,838.63	3,556.25	282.38	13.594		
15,300.00	7,077.84	7,106.16	7,093.84	242.66	246.35	92.82	43.93	-3,231.77	3,938.51	3,656.12	282.39	13.947		
15,400.00	7,078.07	7,105.93	7,094.07	245.49	246.34	92.90	43.93	-3,231.77	4,038.41	3,755.99	282.41	14.300		
15,500.00	7,078.30	7,105.70	7,094.30	248.31	246.34	92.97	43.93	-3,231.77	4,138.31	3,855.87	282.44	14.652		
15,600.00	7,078.53	7,105.47	7,094.53	251.14	246.33	93.04	43.93	-3,231.77	4,238.21	3,955.74	282.46	15.004		
15,700.00	7,078.76	7,105.24	7,094.76	253.97	246.32	93.11	43.93	-3,231.77	4,338.12	4,055.62	282.50	15.356		
15,800.00	7,078.99	7,105.01	7,094.99	256.80	246.31	93.18	43.93	-3,231.77	4,438.03	4,155.50	282.53	15.708		
15,900.00	7,079.22	7,104.78	7,095.22	259.64	246.30	93.25	43.93	-3,231.77	4,537.94	4,255.38	282.57	16.060		
16,000.00	7,079.45	7,104.55	7,095.45	262.47	246.30	93.33	43.93	-3,231.77	4,637.86	4,355.26	282.61	16.411		
16,100.00	7,079.69	7,104.32	7,095.69	265.30	246.29	93.40	43.93	-3,231.77	4,737.79	4,455.14	282.65	16.762		
16,200.00	7,079.92	7,104.08	7,095.92	268.13	246.28	93.47	43.93	-3,231.77	4,837.71	4,555.02	282.69	17.113		
16,300.00	7,080.15	7,103.85	7,096.15	270.97	246.27	93.54	43.93	-3,231.77	4,937.64	4,654.90	282.74	17.463		
16,400.00	7,080.38	7,103.62	7,096.38	273.80	246.26	93.61	43.93	-3,231.77	5,037.57	4,754.78	282.79	17.814		
16,500.00	7,080.61	7,103.39	7,096.61	276.64	246.26	93.68	43.93	-3,231.77	5,137.51	4,854.66	282.84	18.164		
16,600.00	7,080.84	7,103.16	7,096.84	279.47	246.25	93.76	43.93	-3,231.77	5,237.44	4,954.55	282.90	18.514		
16,700.00	7,081.07	7,102.93	7,097.07	282.31	246.24	93.83	43.93	-3,231.77	5,337.38	5,054.43	282.95	18.863		
16,800.00	7,081.30	7,102.70	7,097.30	285.14	246.23	93.90	43.93	-3,231.77	5,437.32	5,154.31	283.01	19.212		
16,900.00	7,081.53	7,102.47	7,097.53	287.98	246.22	93.97	43.93	-3,231.77	5,537.27	5,254.20	283.07	19.561		
17,000.00	7,081.76	7,102.24	7,097.76	290.82	246.22	94.04	43.93	-3,231.77	5,637.21	5,354.08	283.13	19.910		
17,100.00	7,081.99	7,102.01	7,097.99	293.65	246.21	94.11	43.93	-3,231.77	5,737.16	5,453.96	283.20	20.258		
17,200.00	7,082.22	7,101.78	7,098.22	296.49	246.20	94.18	43.93	-3,231.77	5,837.11	5,553.85	283.26	20.607		
17,300.00	7,082.45	7,101.55	7,098.45	299.33	246.19	94.26	43.93	-3,231.77	5,937.06	5,653.73	283.33	20.955		
17,400.00	7,082.68	7,101.32	7,098.68	302.17	246.18	94.33	43.93	-3,231.77	6,037.01	5,753.62	283.40	21.302		
17,500.00	7,082.91	7,101.09	7,098.91	305.01	246.18	94.40	43.93	-3,231.77	6,136.97	5,853.50	283.47	21.650		
17,600.00	7,083.14	7,100.86	7,099.14	307.85	246.17	94.47	43.93	-3,231.77	6,236.92	5,953.38	283.54	21.997		
17,700.00	7,083.37	7,100.63	7,099.37	310.69	246.16	94.54	43.93	-3,231.77	6,336.88	6,053.27	283.61	22.343		
17,800.00	7,083.60	7,100.40	7,099.60	313.53	246.15	94.61	43.93	-3,231.77	6,436.84	6,153.15	283.69	22.690		
17,900.00	7,083.84	7,100.17	7,099.84	316.37	246.14	94.68	43.93	-3,231.77	6,536.80	6,253.04	283.76	23.036		
18,000.00	7,084.07	7,100.00	7,100.00	319.21	246.14	94.76	43.93	-3,231.77	6,636.76	6,352.92	283.84	23.382		
18,100.00	7,084.30	7,100.30	7,100.30	322.05	246.15	94.83	43.93	-3,231.77	6,736.72	6,452.78	283.94	23.726		
18,200.00	7,084.53	7,100.53	7,100.53	324.89	246.16	94.90	43.93	-3,231.77	6,836.68	6,552.65	284.03	24.070		
18,300.00	7,084.76	7,100.76	7,100.76	327.73	246.16	94.97	43.93	-3,231.77	6,936.65	6,652.52	284.13	24.414		
18,400.00	7,084.99	7,100.99	7,100.99	330.57	246.17	95.04	43.93	-3,231.77	7,036.61	6,752.39	284.23	24.757		
18,500.00	7,085.22	7,101.22	7,101.22	333.41	246.18	95.11	43.93	-3,231.77	7,136.58	6,852.25	284.33	25.100		
18,600.00	7,085.45	7,101.45	7,101.45	336.26	246.19	95.18	43.93	-3,231.77	7,236.55	6,952.12	284.43	25.443		
18,700.00	7,085.68	7,101.68	7,101.68	339.10	246.20	95.25	43.93	-3,231.77	7,336.51	7,051.99	284.53	25.785		
18,800.00	7,085.91	7,101.91	7,101.91	341.94	246.20	95.33	43.93	-3,231.77	7,436.48	7,151.85	284.63	26.127		
18,839.14	7,086.00	7,102.00	7,102.00	343.06	246.21	95.35	43.93	-3,231.77	7,475.61	7,190.94	284.67	26.261		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-111.18	-1,133.18	-2,924.05	3,135.95					
100.00	100.00	102.00	98.00	3.28	3.75	-111.18	-1,133.18	-2,924.05	3,135.95	3,128.91	7.03	445.857		
200.00	200.00	202.00	198.00	3.34	6.24	-111.18	-1,133.18	-2,924.05	3,135.95	3,126.37	9.58	327.505		
300.00	300.00	302.00	298.00	3.44	9.39	-111.18	-1,133.18	-2,924.05	3,135.95	3,123.11	12.83	244.351		
400.00	399.98	402.02	397.98	3.60	12.72	153.31	-1,133.18	-2,924.05	3,137.51	3,121.19	16.32	192.264		
500.00	499.84	502.16	497.84	3.80	16.12	153.31	-1,133.18	-2,924.05	3,142.18	3,122.26	19.92	157.742		
600.00	599.45	602.55	597.45	4.04	19.57	153.31	-1,133.18	-2,924.05	3,149.98	3,126.37	23.60	133.455		
700.00	698.70	703.30	696.70	4.31	23.04	153.31	-1,133.18	-2,924.05	3,160.88	3,133.53	27.35	115.557		
800.00	797.47	804.53	795.47	4.62	26.54	153.31	-1,133.18	-2,924.05	3,174.89	3,143.73	31.16	101.881		
900.00	895.62	906.38	893.62	4.97	30.08	153.31	-1,133.18	-2,924.05	3,192.00	3,156.97	35.03	91.127		
980.89	974.49	972.49	972.49	5.27	32.37	153.30	-1,133.18	-2,924.05	3,208.10	3,170.49	37.61	85.293		
1,000.00	993.07	1,008.93	991.07	5.34	33.64	153.34	-1,133.18	-2,924.05	3,212.15	3,173.20	38.95	82.467		
1,100.00	1,090.26	1,088.26	1,088.26	5.75	36.39	153.53	-1,133.18	-2,924.05	3,233.32	3,191.25	42.08	76.843		
1,200.00	1,187.45	1,185.45	1,185.45	6.17	39.77	153.71	-1,133.18	-2,924.05	3,254.53	3,208.69	45.84	70.992		
1,300.00	1,284.64	1,282.64	1,282.64	6.62	43.16	153.89	-1,133.18	-2,924.05	3,275.77	3,226.15	49.63	66.009		
1,400.00	1,381.83	1,379.83	1,379.83	7.07	46.54	154.07	-1,133.18	-2,924.05	3,297.04	3,243.62	53.42	61.718		
1,500.00	1,479.01	1,477.01	1,477.01	7.54	49.93	154.25	-1,133.18	-2,924.05	3,318.35	3,261.12	57.23	57.986		
1,600.00	1,576.20	1,574.20	1,574.20	8.02	53.31	154.42	-1,133.18	-2,924.05	3,339.68	3,278.64	61.04	54.713		
1,700.00	1,673.39	1,671.39	1,671.39	8.50	56.70	154.59	-1,133.18	-2,924.05	3,361.04	3,296.18	64.86	51.819		
1,800.00	1,770.58	1,768.58	1,768.58	8.99	60.09	154.76	-1,133.18	-2,924.05	3,382.43	3,313.74	68.69	49.243		
1,900.00	1,867.77	1,865.77	1,865.77	9.48	63.47	154.93	-1,133.18	-2,924.05	3,403.85	3,331.33	72.52	46.936		
2,000.00	1,964.96	1,962.96	1,962.96	9.98	66.86	155.10	-1,133.18	-2,924.05	3,425.30	3,348.94	76.36	44.858		
2,100.00	2,062.15	2,060.15	2,060.15	10.49	70.25	155.26	-1,133.18	-2,924.05	3,446.77	3,366.57	80.20	42.978		
2,200.00	2,159.34	2,157.34	2,157.34	10.99	73.64	155.42	-1,133.18	-2,924.05	3,468.27	3,384.23	84.04	41.268		
2,300.00	2,256.53	2,254.53	2,254.53	11.50	77.03	155.58	-1,133.18	-2,924.05	3,489.80	3,401.91	87.89	39.707		
2,400.00	2,353.71	2,351.71	2,351.71	12.01	80.42	155.74	-1,133.18	-2,924.05	3,511.36	3,419.62	91.74	38.276		
2,500.00	2,450.90	2,448.90	2,448.90	12.53	83.81	155.90	-1,133.18	-2,924.05	3,532.94	3,437.35	95.59	36.960		
2,600.00	2,548.09	2,546.09	2,546.09	13.04	87.20	156.05	-1,133.18	-2,924.05	3,554.54	3,455.10	99.44	35.745		
2,700.00	2,645.28	2,643.28	2,643.28	13.56	90.59	156.20	-1,133.18	-2,924.05	3,576.17	3,472.87	103.30	34.621		
2,800.00	2,742.47	2,740.47	2,740.47	14.08	93.98	156.36	-1,133.18	-2,924.05	3,597.82	3,490.67	107.15	33.577		
2,900.00	2,839.66	2,837.66	2,837.66	14.60	97.37	156.50	-1,133.18	-2,924.05	3,619.50	3,508.49	111.01	32.605		
3,000.00	2,936.85	2,934.85	2,934.85	15.12	100.76	156.65	-1,133.18	-2,924.05	3,641.20	3,526.33	114.87	31.699		
3,100.00	3,034.04	3,032.04	3,032.04	15.65	104.15	156.80	-1,133.18	-2,924.05	3,662.92	3,544.19	118.73	30.852		
3,200.00	3,131.22	3,129.22	3,129.22	16.17	107.55	156.94	-1,133.18	-2,924.05	3,684.66	3,562.08	122.59	30.058		
3,300.00	3,228.41	3,226.41	3,226.41	16.69	110.94	157.08	-1,133.18	-2,924.05	3,706.43	3,579.98	126.45	29.312		
3,400.00	3,325.60	3,323.60	3,323.60	17.22	114.33	157.22	-1,133.18	-2,924.05	3,728.22	3,597.91	130.31	28.611		
3,500.00	3,422.79	3,420.79	3,420.79	17.75	117.72	157.36	-1,133.18	-2,924.05	3,750.03	3,615.86	134.17	27.950		
3,600.00	3,519.98	3,517.98	3,517.98	18.27	121.11	157.50	-1,133.18	-2,924.05	3,771.86	3,633.83	138.03	27.326		
3,700.00	3,617.17	3,615.17	3,615.17	18.80	124.50	157.63	-1,133.18	-2,924.05	3,793.71	3,651.81	141.90	26.736		
3,800.00	3,714.36	3,712.36	3,712.36	19.33	127.90	157.77	-1,133.18	-2,924.05	3,815.58	3,669.82	145.76	26.177		
3,900.00	3,811.55	3,809.55	3,809.55	19.86	131.29	157.90	-1,133.18	-2,924.05	3,837.47	3,687.85	149.62	25.648		
4,000.00	3,908.74	3,906.74	3,906.74	20.39	134.68	158.03	-1,133.18	-2,924.05	3,859.38	3,705.89	153.49	25.145		
4,100.00	4,005.92	4,003.92	4,003.92	20.92	138.07	158.16	-1,133.18	-2,924.05	3,881.31	3,723.96	157.35	24.666		
4,200.00	4,103.11	4,101.11	4,101.11	21.45	141.46	158.29	-1,133.18	-2,924.05	3,903.26	3,742.04	161.22	24.211		
4,300.00	4,200.30	4,201.70	4,198.30	21.98	144.97	158.42	-1,133.18	-2,924.05	3,925.23	3,760.03	165.20	23.760		
4,400.00	4,297.49	4,304.51	4,295.49	22.51	148.56	158.54	-1,133.18	-2,924.05	3,947.21	3,777.95	169.26	23.320		
4,500.00	4,394.68	4,407.32	4,392.68	23.04	152.15	158.66	-1,133.18	-2,924.05	3,969.21	3,795.89	173.32	22.901		
4,600.00	4,491.87	4,489.87	4,489.87	23.57	155.03	158.79	-1,133.18	-2,924.05	3,991.23	3,814.56	176.68	22.590		
4,700.00	4,589.06	4,587.06	4,587.06	24.10	158.42	158.91	-1,133.18	-2,924.05	4,013.27	3,832.73	180.54	22.229		
4,800.00	4,686.25	4,684.25	4,684.25	24.64	161.82	159.03	-1,133.18	-2,924.05	4,035.33	3,850.92	184.41	21.882		
4,900.00	4,783.43	4,781.43	4,781.43	25.17	165.21	159.15	-1,133.18	-2,924.05	4,057.40	3,869.12	188.28	21.550		
5,000.00	4,880.62	4,878.62	4,878.62	25.70	168.60	159.26	-1,133.18	-2,924.05	4,079.49	3,887.34	192.14	21.232		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,975.81	4,975.81	26.23	171.99	159.38	-1,133.18	-2,924.05	4,101.59	3,905.58	196.01	20.925		
5,200.00	5,075.00	5,073.00	5,073.00	26.77	175.38	159.50	-1,133.18	-2,924.05	4,123.71	3,923.83	199.88	20.631		
5,300.00	5,172.19	5,170.19	5,170.19	27.30	178.78	159.61	-1,133.18	-2,924.05	4,145.85	3,942.10	203.74	20.348		
5,400.00	5,269.38	5,267.38	5,267.38	27.83	182.17	159.72	-1,133.18	-2,924.05	4,168.00	3,960.39	207.61	20.076		
5,457.75	5,325.51	5,323.51	5,323.51	28.14	184.13	159.79	-1,133.18	-2,924.05	4,180.80	3,970.95	209.84	19.923		
5,500.00	5,366.64	5,364.64	5,364.64	28.37	185.56	159.89	-1,133.18	-2,924.05	4,189.88	3,978.40	211.48	19.812		
5,600.00	5,464.53	5,462.53	5,462.53	28.87	188.98	160.12	-1,133.18	-2,924.05	4,209.10	3,993.74	215.36	19.545		
5,700.00	5,563.07	5,561.07	5,561.07	29.35	192.42	160.31	-1,133.18	-2,924.05	4,225.10	4,005.84	219.25	19.271		
5,800.00	5,662.15	5,660.15	5,660.15	29.80	195.88	160.46	-1,133.18	-2,924.05	4,237.85	4,014.70	223.15	18.991		
5,900.00	5,761.64	5,759.64	5,759.64	30.23	199.35	160.57	-1,133.18	-2,924.05	4,247.33	4,020.28	227.05	18.706		
6,000.00	5,861.42	5,859.42	5,859.42	30.64	202.83	160.64	-1,133.18	-2,924.05	4,253.54	4,022.59	230.95	18.417		
6,100.00	5,961.36	5,959.36	5,959.36	31.02	206.32	160.67	-1,133.18	-2,924.05	4,256.46	4,021.62	234.84	18.125		
6,138.64	6,000.00	6,002.00	5,998.00	31.16	207.81	-103.82	-1,133.18	-2,924.05	4,256.71	4,020.23	236.48	18.000		
6,200.00	6,061.36	6,059.36	6,059.36	31.38	209.81	-103.82	-1,133.18	-2,924.05	4,256.71	4,018.00	238.71	17.832		
6,300.00	6,161.36	6,159.36	6,159.36	31.74	213.30	-103.82	-1,133.18	-2,924.05	4,256.71	4,014.13	242.57	17.548		
6,400.00	6,261.36	6,259.36	6,259.36	32.10	216.79	-103.82	-1,133.18	-2,924.05	4,256.71	4,010.27	246.44	17.273		
6,500.00	6,361.36	6,359.36	6,359.36	32.46	220.28	-103.82	-1,133.18	-2,924.05	4,256.71	4,006.40	250.31	17.006		
6,562.02	6,423.38	6,421.38	6,421.38	32.68	222.45	-103.82	-1,133.18	-2,924.05	4,256.71	4,004.00	252.71	16.845		
6,600.00	6,461.34	6,459.34	6,459.34	32.82	223.77	-13.54	-1,133.18	-2,924.05	4,255.61	4,001.44	254.17	16.743		
6,650.00	6,511.08	6,509.08	6,509.08	32.99	225.51	-13.66	-1,133.18	-2,924.05	4,250.81	3,994.74	256.06	16.600		
6,700.00	6,560.29	6,558.29	6,558.29	33.17	227.23	-13.88	-1,133.18	-2,924.05	4,242.23	3,984.29	257.93	16.447		
6,750.00	6,608.64	6,606.64	6,606.64	33.36	228.92	-14.19	-1,133.18	-2,924.05	4,229.92	3,970.17	259.76	16.284		
6,800.00	6,655.86	6,653.86	6,653.86	33.56	230.56	-14.63	-1,133.18	-2,924.05	4,213.97	3,952.44	261.53	16.113		
6,850.00	6,701.64	6,700.36	6,699.64	33.78	232.19	-15.19	-1,133.18	-2,924.05	4,194.47	3,931.21	263.26	15.933		
6,900.00	6,745.71	6,743.71	6,743.71	34.01	233.70	-15.90	-1,133.18	-2,924.05	4,171.55	3,906.68	264.87	15.749		
6,950.00	6,787.79	6,785.79	6,785.79	34.27	235.17	-16.78	-1,133.18	-2,924.05	4,145.36	3,878.93	266.43	15.559		
7,000.00	6,827.62	6,825.62	6,825.62	34.56	236.56	-17.87	-1,133.18	-2,924.05	4,116.04	3,848.15	267.89	15.365		
7,050.00	6,864.96	6,862.96	6,862.96	34.87	237.86	-19.22	-1,133.18	-2,924.05	4,083.81	3,814.54	269.26	15.167		
7,100.00	6,899.58	6,902.42	6,897.58	35.21	239.24	-20.90	-1,133.18	-2,924.05	4,048.84	3,778.14	270.70	14.957		
7,150.00	6,931.26	6,929.26	6,929.26	35.60	240.18	-23.01	-1,133.18	-2,924.05	4,011.37	3,739.69	271.69	14.765		
7,200.00	6,959.81	6,957.81	6,957.81	36.02	241.17	-25.66	-1,133.18	-2,924.05	3,971.64	3,698.90	272.73	14.562		
7,250.00	6,985.06	6,983.06	6,983.06	36.47	242.06	-29.07	-1,133.18	-2,924.05	3,929.88	3,656.22	273.66	14.360		
7,300.00	7,006.84	7,004.84	7,004.84	36.97	242.82	-33.50	-1,133.18	-2,924.05	3,886.37	3,611.90	274.47	14.159		
7,350.00	7,025.02	7,023.02	7,023.02	37.51	243.45	-39.36	-1,133.18	-2,924.05	3,841.38	3,566.22	275.16	13.960		
7,400.00	7,039.49	7,037.49	7,037.49	38.09	243.96	-47.17	-1,133.18	-2,924.05	3,795.19	3,519.46	275.72	13.764		
7,450.00	7,050.17	7,048.17	7,048.17	38.70	244.33	-57.55	-1,133.18	-2,924.05	3,748.08	3,471.92	276.16	13.572		
7,500.00	7,056.98	7,054.98	7,054.98	39.33	244.57	-70.79	-1,133.18	-2,924.05	3,700.36	3,423.89	276.48	13.384		
7,550.00	7,059.89	7,057.89	7,057.89	39.99	244.67	-86.19	-1,133.18	-2,924.05	3,652.32	3,375.66	276.66	13.201		
7,560.55	7,060.00	7,058.00	7,058.00	40.13	244.67	-89.53	-1,133.18	-2,924.05	3,642.17	3,365.48	276.69	13.164		
7,600.00	7,060.09	7,058.09	7,058.09	40.67	244.67	-89.54	-1,133.18	-2,924.05	3,604.24	3,327.47	276.77	13.023		
7,700.00	7,060.32	7,058.32	7,058.32	42.14	244.68	-89.55	-1,133.18	-2,924.05	3,508.23	3,231.23	277.00	12.665		
7,800.00	7,060.55	7,058.55	7,058.55	43.75	244.69	-89.57	-1,133.18	-2,924.05	3,412.45	3,135.19	277.27	12.307		
7,900.00	7,060.78	7,058.78	7,058.78	45.48	244.70	-89.58	-1,133.18	-2,924.05	3,316.93	3,039.34	277.59	11.949		
8,000.00	7,061.01	7,059.01	7,059.01	47.33	244.71	-89.59	-1,133.18	-2,924.05	3,221.67	2,943.71	277.97	11.590		
8,100.00	7,061.24	7,059.24	7,059.24	49.27	244.72	-89.61	-1,133.18	-2,924.05	3,126.71	2,848.31	278.40	11.231		
8,200.00	7,061.47	7,059.47	7,059.47	51.29	244.72	-89.62	-1,133.18	-2,924.05	3,032.07	2,753.17	278.90	10.871		
8,300.00	7,061.70	7,059.70	7,059.70	53.40	244.73	-89.63	-1,133.18	-2,924.05	2,937.79	2,658.31	279.49	10.511		
8,400.00	7,061.93	7,059.93	7,059.93	55.57	244.74	-89.65	-1,133.18	-2,924.05	2,843.90	2,563.75	280.15	10.151		
8,500.00	7,062.16	7,060.16	7,060.16	57.80	244.75	-89.66	-1,133.18	-2,924.05	2,750.44	2,469.53	280.91	9.791		
8,600.00	7,062.39	7,060.39	7,060.39	60.08	244.76	-89.67	-1,133.18	-2,924.05	2,657.46	2,375.68	281.78	9.431		
8,700.00	7,062.63	7,060.63	7,060.63	62.42	244.76	-89.69	-1,133.18	-2,924.05	2,565.01	2,282.24	282.76	9.071		
8,800.00	7,062.86	7,060.86	7,060.86	64.79	244.77	-89.70	-1,133.18	-2,924.05	2,473.14	2,189.26	283.88	8.712		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,061.09	7,061.09	67.20	244.78	-89.71	-1,133.18	-2,924.05	2,381.93	2,096.78	285.15	8.353		
9,000.00	7,063.32	7,061.32	7,061.32	69.65	244.79	-89.73	-1,133.18	-2,924.05	2,291.45	2,004.87	286.58	7.996		
9,100.00	7,063.55	7,061.55	7,061.55	72.12	244.80	-89.74	-1,133.18	-2,924.05	2,201.79	1,913.61	288.19	7.640		
9,200.00	7,063.78	7,061.78	7,061.78	74.63	244.80	-89.75	-1,133.18	-2,924.05	2,113.06	1,823.07	290.00	7.287		
9,300.00	7,064.01	7,062.01	7,062.01	77.16	244.81	-89.77	-1,133.18	-2,924.05	2,025.39	1,733.36	292.03	6.936		
9,400.00	7,064.24	7,062.24	7,062.24	79.71	244.82	-89.78	-1,133.18	-2,924.05	1,938.91	1,644.60	294.30	6.588		
9,500.00	7,064.47	7,062.47	7,062.47	82.28	244.83	-89.79	-1,133.18	-2,924.05	1,853.78	1,556.93	296.85	6.245		
9,600.00	7,064.70	7,062.70	7,062.70	84.87	244.84	-89.81	-1,133.18	-2,924.05	1,770.22	1,470.53	299.69	5.907		
9,700.00	7,064.93	7,062.93	7,062.93	87.47	244.84	-89.82	-1,133.18	-2,924.05	1,688.44	1,385.59	302.85	5.575		
9,800.00	7,065.16	7,063.16	7,063.16	90.09	244.85	-89.83	-1,133.18	-2,924.05	1,608.72	1,302.37	306.35	5.251		
9,900.00	7,065.39	7,063.39	7,063.39	92.73	244.86	-89.85	-1,133.18	-2,924.05	1,531.38	1,221.16	310.23	4.936		
10,000.00	7,065.62	7,063.62	7,063.62	95.38	244.87	-89.86	-1,133.18	-2,924.05	1,456.81	1,142.32	314.48	4.632		
10,100.00	7,065.85	7,063.85	7,063.85	98.04	244.88	-89.87	-1,133.18	-2,924.05	1,385.44	1,066.30	319.14	4.341		
10,200.00	7,066.08	7,064.08	7,064.08	100.71	244.88	-89.89	-1,133.18	-2,924.05	1,317.80	993.62	324.18	4.065		
10,300.00	7,066.31	7,064.31	7,064.31	103.39	244.89	-89.90	-1,133.18	-2,924.05	1,254.49	924.91	329.58	3.806		
10,400.00	7,066.54	7,064.54	7,064.54	106.08	244.90	-89.91	-1,133.18	-2,924.05	1,196.21	860.92	335.29	3.568		
10,500.00	7,066.77	7,064.77	7,064.77	108.78	244.91	-89.93	-1,133.18	-2,924.05	1,143.71	802.51	341.20	3.352		
10,600.00	7,067.01	7,065.01	7,065.01	111.48	244.92	-89.94	-1,133.18	-2,924.05	1,097.83	750.66	347.17	3.162		
10,700.00	7,067.24	7,065.24	7,065.24	114.20	244.92	-89.95	-1,133.18	-2,924.05	1,059.42	706.43	352.99	3.001		
10,800.00	7,067.47	7,065.47	7,065.47	116.92	244.93	-89.96	-1,133.18	-2,924.05	1,029.34	670.90	358.44	2.872		
10,900.00	7,067.70	7,065.70	7,065.70	119.65	244.94	-89.98	-1,133.18	-2,924.05	1,008.31	645.07	363.24	2.776		
11,000.00	7,067.93	7,065.93	7,065.93	122.38	244.95	-89.99	-1,133.18	-2,924.05	996.92	629.77	367.14	2.715		
11,064.23	7,068.08	7,066.08	7,066.08	124.14	244.95	-90.00	-1,133.18	-2,924.05	994.84	625.75	369.09	2.695 CC		
11,100.00	7,068.16	7,066.16	7,066.16	125.12	244.96	-90.00	-1,133.18	-2,924.05	995.49	625.52	369.97	2.691 ES, SF		
11,200.00	7,068.39	7,066.39	7,066.39	127.86	244.96	-90.02	-1,133.18	-2,924.05	1,004.07	632.46	371.61	2.702		
11,300.00	7,068.62	7,066.62	7,066.62	130.61	244.97	-90.03	-1,133.18	-2,924.05	1,022.40	650.32	372.08	2.748		
11,400.00	7,068.85	7,066.85	7,066.85	133.37	244.98	-90.04	-1,133.18	-2,924.05	1,049.98	678.50	371.48	2.826		
11,500.00	7,069.08	7,067.08	7,067.08	136.12	244.99	-90.06	-1,133.18	-2,924.05	1,086.10	716.11	369.99	2.935		
11,600.00	7,069.31	7,067.31	7,067.31	138.89	245.00	-90.07	-1,133.18	-2,924.05	1,129.94	762.13	367.81	3.072		
11,700.00	7,069.54	7,067.54	7,067.54	141.65	245.00	-90.08	-1,133.18	-2,924.05	1,180.64	815.49	365.15	3.233		
11,800.00	7,069.77	7,067.77	7,067.77	144.42	245.01	-90.10	-1,133.18	-2,924.05	1,237.37	875.18	362.18	3.416		
11,900.00	7,070.00	7,068.00	7,068.00	147.19	245.02	-90.11	-1,133.18	-2,924.05	1,299.32	940.26	359.06	3.619		
12,000.00	7,070.23	7,068.23	7,068.23	149.97	245.03	-90.12	-1,133.18	-2,924.05	1,365.79	1,009.89	355.90	3.838		
12,100.00	7,070.46	7,068.46	7,068.46	152.75	245.04	-90.14	-1,133.18	-2,924.05	1,436.15	1,083.38	352.77	4.071		
12,200.00	7,070.69	7,068.69	7,068.69	155.53	245.05	-90.15	-1,133.18	-2,924.05	1,509.86	1,160.13	349.73	4.317		
12,300.00	7,070.92	7,068.92	7,068.92	158.32	245.05	-90.16	-1,133.18	-2,924.05	1,586.46	1,239.63	346.83	4.574		
12,400.00	7,071.16	7,069.16	7,069.16	161.10	245.06	-90.18	-1,133.18	-2,924.05	1,665.53	1,321.46	344.07	4.841		
12,500.00	7,071.39	7,069.39	7,069.39	163.89	245.07	-90.19	-1,133.18	-2,924.05	1,746.75	1,405.29	341.47	5.115		
12,600.00	7,071.62	7,069.62	7,069.62	166.69	245.08	-90.20	-1,133.18	-2,924.05	1,829.84	1,490.81	339.02	5.397		
12,700.00	7,071.85	7,069.85	7,069.85	169.48	245.09	-90.22	-1,133.18	-2,924.05	1,914.54	1,577.80	336.74	5.686		
12,800.00	7,072.08	7,070.08	7,070.08	172.28	245.09	-90.23	-1,133.18	-2,924.05	2,000.65	1,666.05	334.60	5.979		
12,900.00	7,072.31	7,070.31	7,070.31	175.08	245.10	-90.24	-1,133.18	-2,924.05	2,088.00	1,755.40	332.60	6.278		
13,000.00	7,072.54	7,070.54	7,070.54	177.88	245.11	-90.26	-1,133.18	-2,924.05	2,176.44	1,845.70	330.74	6.580		
13,100.00	7,072.77	7,070.77	7,070.77	180.68	245.12	-90.27	-1,133.18	-2,924.05	2,265.85	1,936.84	329.01	6.887		
13,200.00	7,073.00	7,071.00	7,071.00	183.48	245.13	-90.28	-1,133.18	-2,924.05	2,356.10	2,028.71	327.39	7.197		
13,300.00	7,073.23	7,071.23	7,071.23	186.29	245.13	-90.30	-1,133.18	-2,924.05	2,447.11	2,121.23	325.88	7.509		
13,400.00	7,073.46	7,071.46	7,071.46	189.09	245.14	-90.31	-1,133.18	-2,924.05	2,538.80	2,214.33	324.47	7.824		
13,500.00	7,073.69	7,071.69	7,071.69	191.90	245.15	-90.32	-1,133.18	-2,924.05	2,631.10	2,307.95	323.15	8.142		
13,600.00	7,073.92	7,071.92	7,071.92	194.71	245.16	-90.34	-1,133.18	-2,924.05	2,723.93	2,402.02	321.92	8.462		
13,700.00	7,074.15	7,072.15	7,072.15	197.52	245.17	-90.35	-1,133.18	-2,924.05	2,817.26	2,496.50	320.76	8.783		
13,800.00	7,074.38	7,072.38	7,072.38	200.34	245.17	-90.36	-1,133.18	-2,924.05	2,911.03	2,591.35	319.68	9.106		
13,900.00	7,074.61	7,072.61	7,072.61	203.15	245.18	-90.38	-1,133.18	-2,924.05	3,005.21	2,686.54	318.67	9.431		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,072.84	7,072.84	205.97	245.19	-90.39	-1,133.18	-2,924.05	3,099.75	2,782.03	317.71	9.756		
14,100.00	7,075.07	7,073.07	7,073.07	208.78	245.20	-90.40	-1,133.18	-2,924.05	3,194.62	2,877.80	316.82	10.083		
14,200.00	7,075.30	7,073.30	7,073.30	211.60	245.21	-90.42	-1,133.18	-2,924.05	3,289.79	2,973.82	315.98	10.412		
14,300.00	7,075.54	7,073.54	7,073.54	214.42	245.21	-90.43	-1,133.18	-2,924.05	3,385.24	3,070.06	315.18	10.741		
14,400.00	7,075.77	7,073.77	7,073.77	217.24	245.22	-90.44	-1,133.18	-2,924.05	3,480.95	3,166.51	314.44	11.070		
14,500.00	7,076.00	7,074.00	7,074.00	220.06	245.23	-90.46	-1,133.18	-2,924.05	3,576.90	3,263.16	313.73	11.401		
14,600.00	7,076.23	7,074.23	7,074.23	222.88	245.24	-90.47	-1,133.18	-2,924.05	3,673.06	3,359.98	313.07	11.732		
14,700.00	7,076.46	7,074.46	7,074.46	225.70	245.25	-90.48	-1,133.18	-2,924.05	3,769.41	3,456.97	312.44	12.064		
14,800.00	7,076.69	7,074.69	7,074.69	228.53	245.25	-90.50	-1,133.18	-2,924.05	3,865.96	3,554.11	311.85	12.397		
14,900.00	7,076.92	7,074.92	7,074.92	231.35	245.26	-90.51	-1,133.18	-2,924.05	3,962.67	3,651.38	311.29	12.730		
15,000.00	7,077.15	7,075.15	7,075.15	234.18	245.27	-90.52	-1,133.18	-2,924.05	4,059.55	3,748.79	310.76	13.063		
15,100.00	7,077.38	7,075.38	7,075.38	237.00	245.28	-90.54	-1,133.18	-2,924.05	4,156.57	3,846.31	310.26	13.397		
15,200.00	7,077.61	7,075.61	7,075.61	239.83	245.29	-90.55	-1,133.18	-2,924.05	4,253.73	3,943.95	309.79	13.731		
15,300.00	7,077.84	7,075.84	7,075.84	242.66	245.29	-90.56	-1,133.18	-2,924.05	4,351.02	4,041.69	309.34	14.066		
15,400.00	7,078.07	7,076.07	7,076.07	245.49	245.30	-90.58	-1,133.18	-2,924.05	4,448.43	4,139.52	308.91	14.400		
15,500.00	7,078.30	7,076.30	7,076.30	248.31	245.31	-90.59	-1,133.18	-2,924.05	4,545.95	4,237.45	308.50	14.735		
15,600.00	7,078.53	7,076.53	7,076.53	251.14	245.32	-90.60	-1,133.18	-2,924.05	4,643.58	4,335.46	308.12	15.071		
15,700.00	7,078.76	7,076.76	7,076.76	253.97	245.33	-90.62	-1,133.18	-2,924.05	4,741.31	4,433.55	307.75	15.406		
15,800.00	7,078.99	7,076.99	7,076.99	256.80	245.33	-90.63	-1,133.18	-2,924.05	4,839.13	4,531.72	307.41	15.742		
15,900.00	7,079.22	7,077.22	7,077.22	259.64	245.34	-90.64	-1,133.18	-2,924.05	4,937.03	4,629.95	307.08	16.077		
16,000.00	7,079.45	7,077.45	7,077.45	262.47	245.35	-90.66	-1,133.18	-2,924.05	5,035.02	4,728.25	306.77	16.413		
16,100.00	7,079.69	7,077.69	7,077.69	265.30	245.36	-90.67	-1,133.18	-2,924.05	5,133.09	4,826.62	306.47	16.749		
16,200.00	7,079.92	7,077.92	7,077.92	268.13	245.37	-90.68	-1,133.18	-2,924.05	5,231.23	4,925.04	306.19	17.085		
16,300.00	7,080.15	7,078.15	7,078.15	270.97	245.37	-90.70	-1,133.18	-2,924.05	5,329.44	5,023.51	305.92	17.421		
16,400.00	7,080.38	7,078.38	7,078.38	273.80	245.38	-90.71	-1,133.18	-2,924.05	5,427.71	5,122.04	305.67	17.757		
16,500.00	7,080.61	7,078.61	7,078.61	276.64	245.39	-90.72	-1,133.18	-2,924.05	5,526.05	5,220.62	305.43	18.093		
16,600.00	7,080.84	7,078.84	7,078.84	279.47	245.40	-90.73	-1,133.18	-2,924.05	5,624.44	5,319.24	305.20	18.429		
16,700.00	7,081.07	7,079.07	7,079.07	282.31	245.41	-90.75	-1,133.18	-2,924.05	5,722.89	5,417.91	304.98	18.765		
16,800.00	7,081.30	7,079.30	7,079.30	285.14	245.42	-90.76	-1,133.18	-2,924.05	5,821.39	5,516.62	304.77	19.101		
16,900.00	7,081.53	7,079.53	7,079.53	287.98	245.42	-90.77	-1,133.18	-2,924.05	5,919.95	5,615.37	304.57	19.437		
17,000.00	7,081.76	7,079.76	7,079.76	290.82	245.43	-90.79	-1,133.18	-2,924.05	6,018.55	5,714.16	304.39	19.773		
17,100.00	7,081.99	7,079.99	7,079.99	293.65	245.44	-90.80	-1,133.18	-2,924.05	6,117.19	5,812.99	304.21	20.109		
17,200.00	7,082.22	7,080.22	7,080.22	296.49	245.45	-90.81	-1,133.18	-2,924.05	6,215.88	5,911.84	304.04	20.444		
17,300.00	7,082.45	7,080.45	7,080.45	299.33	245.46	-90.83	-1,133.18	-2,924.05	6,314.62	6,010.74	303.88	20.780		
17,400.00	7,082.68	7,080.68	7,080.68	302.17	245.46	-90.84	-1,133.18	-2,924.05	6,413.39	6,109.66	303.73	21.116		
17,500.00	7,082.91	7,080.91	7,080.91	305.01	245.47	-90.85	-1,133.18	-2,924.05	6,512.19	6,208.61	303.58	21.451		
17,600.00	7,083.14	7,081.14	7,081.14	307.85	245.48	-90.87	-1,133.18	-2,924.05	6,611.04	6,307.59	303.45	21.786		
17,700.00	7,083.37	7,081.37	7,081.37	310.69	245.49	-90.88	-1,133.18	-2,924.05	6,709.91	6,406.59	303.32	22.122		
17,800.00	7,083.60	7,081.60	7,081.60	313.53	245.50	-90.89	-1,133.18	-2,924.05	6,808.83	6,505.63	303.20	22.457		
17,900.00	7,083.84	7,081.84	7,081.84	316.37	245.50	-90.91	-1,133.18	-2,924.05	6,907.77	6,604.68	303.08	22.792		
18,000.00	7,084.07	7,082.07	7,082.07	319.21	245.51	-90.92	-1,133.18	-2,924.05	7,006.74	6,703.76	302.98	23.126		
18,100.00	7,084.30	7,082.30	7,082.30	322.05	245.52	-90.93	-1,133.18	-2,924.05	7,105.74	6,802.87	302.87	23.461		
18,200.00	7,084.53	7,082.53	7,082.53	324.89	245.53	-90.95	-1,133.18	-2,924.05	7,204.77	6,901.99	302.78	23.796		
18,300.00	7,084.76	7,082.76	7,082.76	327.73	245.54	-90.96	-1,133.18	-2,924.05	7,303.82	7,001.14	302.69	24.130		
18,400.00	7,084.99	7,082.99	7,082.99	330.57	245.54	-90.97	-1,133.18	-2,924.05	7,402.90	7,100.30	302.60	24.464		
18,500.00	7,085.22	7,083.22	7,083.22	333.41	245.55	-90.99	-1,133.18	-2,924.05	7,502.01	7,199.48	302.52	24.798		
18,600.00	7,085.45	7,083.45	7,083.45	336.26	245.56	-91.00	-1,133.18	-2,924.05	7,601.14	7,298.69	302.45	25.132		
18,700.00	7,085.68	7,083.68	7,083.68	339.10	245.57	-91.01	-1,133.18	-2,924.05	7,700.29	7,397.91	302.38	25.466		
18,800.00	7,085.91	7,083.91	7,083.91	341.94	245.58	-91.03	-1,133.18	-2,924.05	7,799.46	7,497.14	302.32	25.799		
18,839.14	7,086.00	7,084.00	7,084.00	343.06	245.58	-91.03	-1,133.18	-2,924.05	7,838.28	7,535.99	302.29	25.929		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-176.93	-4,013.55	-215.28	4,019.38					
100.00	100.00	78.00	78.00	3.28	3.55	-176.93	-4,013.55	-215.28	4,019.32	4,012.48	6.84	587.959		
200.00	200.00	178.00	178.00	3.34	5.54	-176.93	-4,013.55	-215.28	4,019.32	4,010.44	8.88	452.621		
300.00	300.00	278.00	278.00	3.44	8.61	-176.93	-4,013.55	-215.28	4,019.32	4,007.27	12.05	333.450		
400.00	399.98	377.98	377.98	3.60	11.91	87.59	-4,013.55	-215.28	4,019.25	4,003.74	15.51	259.145		
500.00	499.84	477.84	477.84	3.80	15.29	87.67	-4,013.55	-215.28	4,019.03	3,999.94	19.09	210.561		
600.00	599.45	577.45	577.45	4.04	18.70	87.80	-4,013.55	-215.28	4,018.68	3,995.95	22.74	176.752		
700.00	698.70	676.70	676.70	4.31	22.12	87.98	-4,013.55	-215.28	4,018.23	3,991.80	26.43	152.028		
800.00	797.47	775.47	775.47	4.62	25.54	88.21	-4,013.55	-215.28	4,017.70	3,987.55	30.16	133.232		
900.00	895.62	873.62	873.62	4.97	28.94	88.49	-4,013.55	-215.28	4,017.14	3,983.24	33.90	118.496		
980.89	974.49	952.49	952.49	5.27	31.68	88.75	-4,013.55	-215.28	4,016.70	3,979.76	36.94	108.733		
1,000.00	993.07	971.07	971.07	5.34	32.32	88.81	-4,013.55	-215.28	4,016.60	3,978.94	37.66	106.653		
1,100.00	1,090.26	1,068.26	1,068.26	5.75	35.70	89.13	-4,013.55	-215.28	4,016.17	3,974.72	41.44	96.908		
1,200.00	1,187.45	1,165.45	1,165.45	6.17	39.08	89.46	-4,013.55	-215.28	4,015.87	3,970.62	45.25	88.751		
1,300.00	1,284.64	1,262.64	1,262.64	6.62	42.46	89.79	-4,013.55	-215.28	4,015.71	3,966.64	49.07	81.831		
1,365.31	1,348.11	1,326.11	1,326.11	6.91	44.67	90.00	-4,013.55	-215.28	4,015.68	3,964.10	51.58	77.854		
1,400.00	1,381.83	1,359.83	1,359.83	7.07	45.84	90.11	-4,013.55	-215.28	4,015.69	3,962.78	52.91	75.893		
1,500.00	1,479.01	1,457.01	1,457.01	7.54	49.23	90.44	-4,013.55	-215.28	4,015.80	3,959.04	56.76	70.746		
1,600.00	1,576.20	1,554.20	1,554.20	8.02	52.61	90.77	-4,013.55	-215.28	4,016.06	3,955.43	60.63	66.244		
1,700.00	1,673.39	1,651.39	1,651.39	8.50	56.00	91.09	-4,013.55	-215.28	4,016.45	3,951.96	64.50	62.275		
1,800.00	1,770.58	1,748.58	1,748.58	8.99	59.39	91.42	-4,013.55	-215.28	4,016.98	3,948.61	68.37	58.751		
1,900.00	1,867.77	1,845.77	1,845.77	9.48	62.78	91.75	-4,013.55	-215.28	4,017.65	3,945.40	72.26	55.603		
2,000.00	1,964.96	1,942.96	1,942.96	9.98	66.16	92.07	-4,013.55	-215.28	4,018.46	3,942.32	76.14	52.775		
2,100.00	2,062.15	2,040.15	2,040.15	10.49	69.55	92.40	-4,013.55	-215.28	4,019.40	3,939.37	80.04	50.220		
2,200.00	2,159.34	2,137.34	2,137.34	10.99	72.94	92.72	-4,013.55	-215.28	4,020.49	3,936.55	83.93	47.902		
2,300.00	2,256.53	2,234.53	2,234.53	11.50	76.33	93.05	-4,013.55	-215.28	4,021.71	3,933.87	87.83	45.789		
2,400.00	2,353.71	2,331.71	2,331.71	12.01	79.72	93.37	-4,013.55	-215.28	4,023.06	3,931.33	91.73	43.856		
2,500.00	2,450.90	2,428.90	2,428.90	12.53	83.11	93.70	-4,013.55	-215.28	4,024.56	3,928.92	95.64	42.081		
2,600.00	2,548.09	2,526.09	2,526.09	13.04	86.50	94.02	-4,013.55	-215.28	4,026.19	3,926.64	99.54	40.446		
2,700.00	2,645.28	2,623.28	2,623.28	13.56	89.89	94.35	-4,013.55	-215.28	4,027.96	3,924.50	103.45	38.935		
2,800.00	2,742.47	2,720.47	2,720.47	14.08	93.28	94.67	-4,013.55	-215.28	4,029.86	3,922.50	107.36	37.535		
2,900.00	2,839.66	2,817.66	2,817.66	14.60	96.67	95.00	-4,013.55	-215.28	4,031.90	3,920.63	111.27	36.234		
3,000.00	2,936.85	2,914.85	2,914.85	15.12	100.07	95.32	-4,013.55	-215.28	4,034.08	3,918.89	115.19	35.022		
3,100.00	3,034.04	3,012.04	3,012.04	15.65	103.46	95.65	-4,013.55	-215.28	4,036.40	3,917.29	119.10	33.890		
3,200.00	3,131.22	3,109.22	3,109.22	16.17	106.85	95.97	-4,013.55	-215.28	4,038.85	3,915.83	123.02	32.832		
3,300.00	3,228.41	3,206.41	3,206.41	16.69	110.24	96.29	-4,013.55	-215.28	4,041.43	3,914.50	126.93	31.839		
3,400.00	3,325.60	3,303.60	3,303.60	17.22	113.63	96.61	-4,013.55	-215.28	4,044.15	3,913.30	130.85	30.907		
3,500.00	3,422.79	3,400.79	3,400.79	17.75	117.02	96.94	-4,013.55	-215.28	4,047.01	3,912.24	134.77	30.030		
3,600.00	3,519.98	3,502.02	3,497.98	18.27	120.55	97.26	-4,013.55	-215.28	4,050.00	3,911.17	138.83	29.173		
3,700.00	3,617.17	3,604.83	3,595.17	18.80	124.14	97.58	-4,013.55	-215.28	4,053.13	3,910.19	142.94	28.355		
3,800.00	3,714.36	3,707.64	3,692.36	19.33	127.73	97.90	-4,013.55	-215.28	4,056.39	3,909.33	147.06	27.584		
3,900.00	3,811.55	3,789.55	3,789.55	19.86	130.59	98.22	-4,013.55	-215.28	4,059.78	3,909.34	150.44	26.986		
4,000.00	3,908.74	3,886.74	3,886.74	20.39	133.98	98.54	-4,013.55	-215.28	4,063.31	3,908.95	154.36	26.323		
4,100.00	4,005.92	3,983.92	3,983.92	20.92	137.37	98.86	-4,013.55	-215.28	4,066.97	3,908.69	158.28	25.694		
4,200.00	4,103.11	4,081.11	4,081.11	21.45	140.76	99.18	-4,013.55	-215.28	4,070.76	3,908.56	162.20	25.097		
4,300.00	4,200.30	4,178.30	4,178.30	21.98	144.16	99.49	-4,013.55	-215.28	4,074.69	3,908.57	166.12	24.528		
4,400.00	4,297.49	4,275.49	4,275.49	22.51	147.55	99.81	-4,013.55	-215.28	4,078.75	3,908.70	170.04	23.986		
4,500.00	4,394.68	4,372.68	4,372.68	23.04	150.94	100.13	-4,013.55	-215.28	4,082.94	3,908.97	173.96	23.470		
4,600.00	4,491.87	4,469.87	4,469.87	23.57	154.33	100.44	-4,013.55	-215.28	4,087.26	3,909.37	177.89	22.977		
4,700.00	4,589.06	4,567.06	4,567.06	24.10	157.72	100.76	-4,013.55	-215.28	4,091.71	3,909.91	181.81	22.506		
4,800.00	4,686.25	4,664.25	4,664.25	24.64	161.12	101.07	-4,013.55	-215.28	4,096.30	3,910.57	185.73	22.055		
4,900.00	4,783.43	4,761.43	4,761.43	25.17	164.51	101.39	-4,013.55	-215.28	4,101.01	3,911.36	189.65	21.624		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,880.62	4,858.62	4,858.62	25.70	167.90	101.70	-4,013.55	-215.28	4,105.85	3,912.28	193.57	21.211		
5,100.00	4,977.81	4,955.81	4,955.81	26.23	171.29	102.01	-4,013.55	-215.28	4,110.82	3,913.33	197.49	20.815		
5,200.00	5,075.00	5,053.00	5,053.00	26.77	174.69	102.33	-4,013.55	-215.28	4,115.92	3,914.51	201.41	20.436		
5,300.00	5,172.19	5,150.19	5,150.19	27.30	178.08	102.64	-4,013.55	-215.28	4,121.15	3,915.82	205.33	20.071		
5,400.00	5,269.38	5,247.38	5,247.38	27.83	181.47	102.95	-4,013.55	-215.28	4,126.51	3,917.26	209.25	19.720		
5,457.75	5,325.51	5,303.51	5,303.51	28.14	183.43	103.13	-4,013.55	-215.28	4,129.66	3,918.14	211.52	19.524		
5,500.00	5,366.64	5,344.64	5,344.64	28.37	184.87	103.30	-4,013.55	-215.28	4,131.92	3,918.75	213.17	19.383		
5,600.00	5,464.53	5,442.53	5,442.53	28.87	188.28	103.66	-4,013.55	-215.28	4,136.77	3,919.68	217.09	19.056		
5,700.00	5,563.07	5,541.07	5,541.07	29.35	191.72	103.97	-4,013.55	-215.28	4,140.88	3,919.88	221.01	18.737		
5,800.00	5,662.15	5,640.15	5,640.15	29.80	195.18	104.21	-4,013.55	-215.28	4,144.20	3,919.29	224.91	18.426		
5,900.00	5,761.64	5,739.64	5,739.64	30.23	198.65	104.39	-4,013.55	-215.28	4,146.70	3,917.89	228.81	18.123		
6,000.00	5,861.42	5,839.42	5,839.42	30.64	202.14	104.51	-4,013.55	-215.28	4,148.35	3,915.65	232.70	17.827		
6,100.00	5,961.36	5,939.36	5,939.36	31.02	205.62	104.57	-4,013.55	-215.28	4,149.12	3,912.55	236.57	17.538		
6,138.64	6,000.00	5,978.00	5,978.00	31.16	206.97	-159.92	-4,013.55	-215.28	4,149.19	3,911.13	238.06	17.429		
6,200.00	6,061.36	6,039.36	6,039.36	31.38	209.11	-159.92	-4,013.55	-215.28	4,149.19	3,908.77	240.42	17.258		
6,300.00	6,161.36	6,139.36	6,139.36	31.74	212.61	-159.92	-4,013.55	-215.28	4,149.19	3,904.92	244.27	16.986		
6,400.00	6,261.36	6,239.36	6,239.36	32.10	216.10	-159.92	-4,013.55	-215.28	4,149.19	3,901.07	248.12	16.722		
6,500.00	6,361.36	6,339.36	6,339.36	32.46	219.59	-159.92	-4,013.55	-215.28	4,149.19	3,897.21	251.97	16.467		
6,562.02	6,423.38	6,401.38	6,401.38	32.68	221.75	-159.92	-4,013.55	-215.28	4,149.19	3,894.82	254.36	16.312		
6,600.00	6,461.34	6,439.34	6,439.34	32.82	223.08	-69.66	-4,013.55	-215.28	4,148.79	3,892.97	255.82	16.217		
6,650.00	6,511.08	6,489.08	6,489.08	32.99	224.81	-69.87	-4,013.55	-215.28	4,147.08	3,889.35	257.73	16.091		
6,700.00	6,560.29	6,538.29	6,538.29	33.17	226.53	-70.24	-4,013.55	-215.28	4,144.02	3,884.40	259.63	15.961		
6,750.00	6,608.64	6,586.64	6,586.64	33.36	228.22	-70.78	-4,013.55	-215.28	4,139.67	3,878.17	261.50	15.830		
6,800.00	6,655.86	6,633.86	6,633.86	33.56	229.87	-71.46	-4,013.55	-215.28	4,134.08	3,870.73	263.35	15.698		
6,850.00	6,701.64	6,679.64	6,679.64	33.78	231.46	-72.29	-4,013.55	-215.28	4,127.32	3,862.16	265.16	15.565		
6,900.00	6,745.71	6,723.71	6,723.71	34.01	233.00	-73.25	-4,013.55	-215.28	4,119.49	3,852.55	266.93	15.433		
6,950.00	6,787.79	6,765.79	6,765.79	34.27	234.47	-74.33	-4,013.55	-215.28	4,110.67	3,842.02	268.65	15.301		
7,000.00	6,827.62	6,805.62	6,805.62	34.56	235.86	-75.52	-4,013.55	-215.28	4,101.00	3,830.68	270.32	15.171		
7,050.00	6,864.96	6,842.96	6,842.96	34.87	237.17	-76.79	-4,013.55	-215.28	4,090.58	3,818.65	271.93	15.043		
7,100.00	6,899.58	6,877.58	6,877.58	35.21	238.37	-78.14	-4,013.55	-215.28	4,079.55	3,806.08	273.48	14.917		
7,150.00	6,931.26	6,909.26	6,909.26	35.60	239.48	-79.53	-4,013.55	-215.28	4,068.05	3,793.09	274.96	14.795		
7,200.00	6,959.81	6,937.81	6,937.81	36.02	240.48	-80.94	-4,013.55	-215.28	4,056.22	3,779.85	276.37	14.677		
7,250.00	6,985.06	6,963.06	6,963.06	36.47	241.36	-82.36	-4,013.55	-215.28	4,044.18	3,766.48	277.70	14.563		
7,300.00	7,006.84	6,984.84	6,984.84	36.97	242.12	-83.76	-4,013.55	-215.28	4,032.08	3,753.13	278.96	14.454		
7,350.00	7,025.02	7,003.02	7,003.02	37.51	242.75	-85.12	-4,013.55	-215.28	4,020.06	3,739.93	280.13	14.351		
7,400.00	7,039.49	7,017.49	7,017.49	38.09	243.26	-86.41	-4,013.55	-215.28	4,008.22	3,727.02	281.21	14.254		
7,450.00	7,050.17	7,028.17	7,028.17	38.70	243.63	-87.63	-4,013.55	-215.28	3,996.70	3,714.51	282.19	14.163		
7,500.00	7,056.98	7,034.98	7,034.98	39.33	243.87	-88.75	-4,013.55	-215.28	3,985.59	3,702.53	283.06	14.080		
7,550.00	7,059.89	7,037.89	7,037.89	39.99	243.97	-89.77	-4,013.55	-215.28	3,974.99	3,691.17	283.82	14.005		
7,560.55	7,060.00	7,038.00	7,038.00	40.13	243.97	-89.97	-4,013.55	-215.28	3,972.83	3,688.86	283.97	13.990		
7,600.00	7,060.09	7,038.09	7,038.09	40.67	243.98	-89.97	-4,013.55	-215.28	3,964.97	3,680.46	284.52	13.936		
7,700.00	7,060.32	7,038.32	7,038.32	42.14	243.98	-89.98	-4,013.55	-215.28	3,946.76	3,660.74	286.01	13.799		
7,800.00	7,060.55	7,038.55	7,038.55	43.75	243.99	-89.98	-4,013.55	-215.28	3,931.00	3,643.35	287.66	13.666		
7,900.00	7,060.78	7,038.78	7,038.78	45.48	244.00	-89.98	-4,013.55	-215.28	3,917.74	3,628.31	289.42	13.536		
8,000.00	7,061.01	7,039.01	7,039.01	47.33	244.01	-89.99	-4,013.55	-215.28	3,906.99	3,615.68	291.30	13.412		
8,100.00	7,061.24	7,039.24	7,039.24	49.27	244.02	-89.99	-4,013.55	-215.28	3,898.77	3,605.50	293.27	13.294		
8,200.00	7,061.47	7,039.47	7,039.47	51.29	244.03	-89.99	-4,013.55	-215.28	3,893.11	3,597.79	295.32	13.183		
8,300.00	7,061.70	7,039.70	7,039.70	53.40	244.03	-90.00	-4,013.55	-215.28	3,890.01	3,592.59	297.43	13.079		
8,370.58	7,061.87	7,039.87	7,039.87	54.93	244.04	-90.00	-4,013.55	-215.28	3,889.37	3,590.42	298.95	13.010 CC		
8,400.00	7,061.93	7,039.93	7,039.93	55.57	244.04	-90.00	-4,013.55	-215.28	3,889.48	3,589.90	299.58	12.983		
8,500.00	7,062.16	7,040.16	7,040.16	57.80	244.05	-90.00	-4,013.55	-215.28	3,891.52	3,589.75	301.77	12.896 ES		
8,600.00	7,062.39	7,040.39	7,040.39	60.08	244.06	-90.01	-4,013.55	-215.28	3,896.13	3,592.15	303.98	12.817		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,700.00	7,062.63	7,040.63	7,040.63	62.42	244.07	-90.01	-4,013.55	-215.28	3,903.30	3,597.09	306.21	12.747		
8,800.00	7,062.86	7,040.86	7,040.86	64.79	244.07	-90.01	-4,013.55	-215.28	3,913.01	3,604.58	308.43	12.687		
8,900.00	7,063.09	7,041.09	7,041.09	67.20	244.08	-90.02	-4,013.55	-215.28	3,925.24	3,614.59	310.64	12.636		
9,000.00	7,063.32	7,041.32	7,041.32	69.65	244.09	-90.02	-4,013.55	-215.28	3,939.97	3,627.13	312.84	12.594		
9,100.00	7,063.55	7,041.55	7,041.55	72.12	244.10	-90.02	-4,013.55	-215.28	3,957.18	3,642.17	315.01	12.562		
9,200.00	7,063.78	7,041.78	7,041.78	74.63	244.11	-90.03	-4,013.55	-215.28	3,976.83	3,659.67	317.15	12.539		
9,300.00	7,064.01	7,042.01	7,042.01	77.16	244.11	-90.03	-4,013.55	-215.28	3,998.88	3,679.62	319.26	12.526		
9,400.00	7,064.24	7,042.24	7,042.24	79.71	244.12	-90.03	-4,013.55	-215.28	4,023.30	3,701.98	321.32	12.521 SF		
9,500.00	7,064.47	7,042.47	7,042.47	82.28	244.13	-90.04	-4,013.55	-215.28	4,050.04	3,726.70	323.33	12.526		
9,600.00	7,064.70	7,042.70	7,042.70	84.87	244.14	-90.04	-4,013.55	-215.28	4,079.05	3,753.76	325.30	12.539		
9,700.00	7,064.93	7,042.93	7,042.93	87.47	244.15	-90.05	-4,013.55	-215.28	4,110.30	3,783.09	327.21	12.562		
9,800.00	7,065.16	7,043.16	7,043.16	90.09	244.15	-90.05	-4,013.55	-215.28	4,143.72	3,814.66	329.06	12.593		
9,900.00	7,065.39	7,043.39	7,043.39	92.73	244.16	-90.05	-4,013.55	-215.28	4,179.27	3,848.41	330.86	12.632		
10,000.00	7,065.62	7,043.62	7,043.62	95.38	244.17	-90.06	-4,013.55	-215.28	4,216.89	3,884.30	332.60	12.679		
10,100.00	7,065.85	7,043.85	7,043.85	98.04	244.18	-90.06	-4,013.55	-215.28	4,256.53	3,922.26	334.27	12.734		
10,200.00	7,066.08	7,044.08	7,044.08	100.71	244.19	-90.06	-4,013.55	-215.28	4,298.13	3,962.25	335.89	12.796		
10,300.00	7,066.31	7,044.31	7,044.31	103.39	244.19	-90.07	-4,013.55	-215.28	4,341.64	4,004.20	337.44	12.866		
10,400.00	7,066.54	7,044.54	7,044.54	106.08	244.20	-90.07	-4,013.55	-215.28	4,386.99	4,048.06	338.94	12.943		
10,500.00	7,066.77	7,044.77	7,044.77	108.78	244.21	-90.07	-4,013.55	-215.28	4,434.14	4,093.77	340.37	13.027		
10,600.00	7,067.01	7,045.01	7,045.01	111.48	244.22	-90.08	-4,013.55	-215.28	4,483.02	4,141.27	341.75	13.118		
10,700.00	7,067.24	7,045.24	7,045.24	114.20	244.23	-90.08	-4,013.55	-215.28	4,533.58	4,190.52	343.07	13.215		
10,800.00	7,067.47	7,045.47	7,045.47	116.92	244.23	-90.08	-4,013.55	-215.28	4,585.77	4,241.44	344.33	13.318		
10,900.00	7,067.70	7,045.70	7,045.70	119.65	244.24	-90.09	-4,013.55	-215.28	4,639.52	4,293.99	345.53	13.427		
11,000.00	7,067.93	7,045.93	7,045.93	122.38	244.25	-90.09	-4,013.55	-215.28	4,694.79	4,348.10	346.68	13.542		
11,100.00	7,068.16	7,046.16	7,046.16	125.12	244.26	-90.09	-4,013.55	-215.28	4,751.51	4,403.73	347.78	13.662		
11,200.00	7,068.39	7,046.39	7,046.39	127.86	244.27	-90.10	-4,013.55	-215.28	4,809.65	4,460.83	348.83	13.788		
11,300.00	7,068.62	7,046.62	7,046.62	130.61	244.27	-90.10	-4,013.55	-215.28	4,869.15	4,519.33	349.83	13.919		
11,400.00	7,068.85	7,046.85	7,046.85	133.37	244.28	-90.10	-4,013.55	-215.28	4,929.96	4,579.19	350.78	14.054		
11,500.00	7,069.08	7,047.08	7,047.08	136.12	244.29	-90.11	-4,013.55	-215.28	4,992.03	4,640.35	351.68	14.195		
11,600.00	7,069.31	7,047.31	7,047.31	138.89	244.30	-90.11	-4,013.55	-215.28	5,055.32	4,702.78	352.54	14.340		
11,700.00	7,069.54	7,047.54	7,047.54	141.65	244.31	-90.11	-4,013.55	-215.28	5,119.78	4,766.42	353.36	14.489		
11,800.00	7,069.77	7,047.77	7,047.77	144.42	244.31	-90.12	-4,013.55	-215.28	5,185.37	4,831.23	354.14	14.642		
11,900.00	7,070.00	7,048.00	7,048.00	147.19	244.32	-90.12	-4,013.55	-215.28	5,252.04	4,897.16	354.88	14.800		
12,000.00	7,070.23	7,048.23	7,048.23	149.97	244.33	-90.12	-4,013.55	-215.28	5,319.76	4,964.17	355.58	14.961		
12,100.00	7,070.46	7,048.46	7,048.46	152.75	244.34	-90.13	-4,013.55	-215.28	5,388.48	5,032.23	356.25	15.126		
12,200.00	7,070.69	7,048.69	7,048.69	155.53	244.35	-90.13	-4,013.55	-215.28	5,458.17	5,101.28	356.88	15.294		
12,300.00	7,070.92	7,048.92	7,048.92	158.32	244.35	-90.13	-4,013.55	-215.28	5,528.78	5,171.30	357.49	15.466		
12,400.00	7,071.16	7,049.16	7,049.16	161.10	244.36	-90.14	-4,013.55	-215.28	5,600.30	5,242.24	358.06	15.641		
12,500.00	7,071.39	7,049.39	7,049.39	163.89	244.37	-90.14	-4,013.55	-215.28	5,672.67	5,314.07	358.60	15.819		
12,600.00	7,071.62	7,049.62	7,049.62	166.69	244.38	-90.14	-4,013.55	-215.28	5,745.88	5,386.76	359.12	16.000		
12,700.00	7,071.85	7,049.85	7,049.85	169.48	244.39	-90.15	-4,013.55	-215.28	5,819.88	5,460.27	359.61	16.184		
12,800.00	7,072.08	7,050.08	7,050.08	172.28	244.40	-90.15	-4,013.55	-215.28	5,894.65	5,534.58	360.07	16.371		
12,900.00	7,072.31	7,050.31	7,050.31	175.08	244.40	-90.15	-4,013.55	-215.28	5,970.15	5,609.64	360.51	16.560		
13,000.00	7,072.54	7,050.54	7,050.54	177.88	244.41	-90.16	-4,013.55	-215.28	6,046.37	5,685.44	360.93	16.752		
13,100.00	7,072.77	7,050.77	7,050.77	180.68	244.42	-90.16	-4,013.55	-215.28	6,123.27	5,761.95	361.33	16.947		
13,200.00	7,073.00	7,051.00	7,051.00	183.48	244.43	-90.16	-4,013.55	-215.28	6,200.84	5,839.13	361.70	17.143		
13,300.00	7,073.23	7,051.23	7,051.23	186.29	244.44	-90.17	-4,013.55	-215.28	6,279.03	5,916.97	362.06	17.342		
13,400.00	7,073.46	7,051.46	7,051.46	189.09	244.44	-90.17	-4,013.55	-215.28	6,357.84	5,995.44	362.40	17.544		
13,500.00	7,073.69	7,051.69	7,051.69	191.90	244.45	-90.17	-4,013.55	-215.28	6,437.24	6,074.51	362.72	17.747		
13,600.00	7,073.92	7,051.92	7,051.92	194.71	244.46	-90.18	-4,013.55	-215.28	6,517.20	6,154.17	363.03	17.952		
13,700.00	7,074.15	7,052.15	7,052.15	197.52	244.47	-90.18	-4,013.55	-215.28	6,597.71	6,234.39	363.32	18.159		
13,800.00	7,074.38	7,052.38	7,052.38	200.34	244.48	-90.18	-4,013.55	-215.28	6,678.74	6,315.15	363.60	18.369		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,074.61	7,052.61	7,052.61	203.15	244.48	-90.19	-4,013.55	-215.28	6,760.29	6,396.43	363.86	18.579		
14,000.00	7,074.84	7,052.84	7,052.84	205.97	244.49	-90.19	-4,013.55	-215.28	6,842.32	6,478.21	364.11	18.792		
14,100.00	7,075.07	7,053.07	7,053.07	208.78	244.50	-90.19	-4,013.55	-215.28	6,924.83	6,560.48	364.35	19.006		
14,200.00	7,075.30	7,053.30	7,053.30	211.60	244.51	-90.20	-4,013.55	-215.28	7,007.79	6,643.22	364.57	19.222		
14,300.00	7,075.54	7,053.54	7,053.54	214.42	244.52	-90.20	-4,013.55	-215.28	7,091.19	6,726.41	364.79	19.439		
14,400.00	7,075.77	7,053.77	7,053.77	217.24	244.52	-90.20	-4,013.55	-215.28	7,175.02	6,810.03	364.99	19.658		
14,500.00	7,076.00	7,054.00	7,054.00	220.06	244.53	-90.21	-4,013.55	-215.28	7,259.25	6,894.07	365.18	19.878		
14,600.00	7,076.23	7,054.23	7,054.23	222.88	244.54	-90.21	-4,013.55	-215.28	7,343.89	6,978.52	365.37	20.100		
14,700.00	7,076.46	7,054.46	7,054.46	225.70	244.55	-90.21	-4,013.55	-215.28	7,428.90	7,063.36	365.54	20.323		
14,800.00	7,076.69	7,054.69	7,054.69	228.53	244.56	-90.22	-4,013.55	-215.28	7,514.28	7,148.57	365.71	20.547		
14,900.00	7,076.92	7,054.92	7,054.92	231.35	244.56	-90.22	-4,013.55	-215.28	7,600.02	7,234.15	365.87	20.773		
15,000.00	7,077.15	7,055.15	7,055.15	234.18	244.57	-90.23	-4,013.55	-215.28	7,686.10	7,320.08	366.02	20.999		
15,100.00	7,077.38	7,055.38	7,055.38	237.00	244.58	-90.23	-4,013.55	-215.28	7,772.52	7,406.35	366.16	21.227		
15,200.00	7,077.61	7,055.61	7,055.61	239.83	244.59	-90.23	-4,013.55	-215.28	7,859.26	7,492.95	366.30	21.456		
15,300.00	7,077.84	7,055.84	7,055.84	242.66	244.60	-90.24	-4,013.55	-215.28	7,946.31	7,579.87	366.43	21.686		
15,400.00	7,078.07	7,056.07	7,056.07	245.49	244.60	-90.24	-4,013.55	-215.28	8,033.66	7,667.10	366.56	21.916		
15,500.00	7,078.30	7,056.30	7,056.30	248.31	244.61	-90.24	-4,013.55	-215.28	8,121.30	7,754.62	366.68	22.148		
15,600.00	7,078.53	7,056.53	7,056.53	251.14	244.62	-90.25	-4,013.55	-215.28	8,209.23	7,842.44	366.79	22.381		
15,700.00	7,078.76	7,056.76	7,056.76	253.97	244.63	-90.25	-4,013.55	-215.28	8,297.43	7,930.53	366.90	22.615		
15,800.00	7,078.99	7,056.99	7,056.99	256.80	244.64	-90.25	-4,013.55	-215.28	8,385.89	8,018.89	367.00	22.850		
15,900.00	7,079.22	7,057.22	7,057.22	259.64	244.64	-90.26	-4,013.55	-215.28	8,474.61	8,107.51	367.10	23.085		
16,000.00	7,079.45	7,057.45	7,057.45	262.47	244.65	-90.26	-4,013.55	-215.28	8,563.58	8,196.38	367.20	23.321		
16,100.00	7,079.69	7,057.69	7,057.69	265.30	244.66	-90.26	-4,013.55	-215.28	8,652.79	8,285.50	367.29	23.558		
16,200.00	7,079.92	7,057.92	7,057.92	268.13	244.67	-90.27	-4,013.55	-215.28	8,742.23	8,374.86	367.38	23.796		
16,300.00	7,080.15	7,058.15	7,058.15	270.97	244.68	-90.27	-4,013.55	-215.28	8,831.90	8,464.44	367.46	24.035		
16,400.00	7,080.38	7,058.38	7,058.38	273.80	244.68	-90.27	-4,013.55	-215.28	8,921.79	8,554.25	367.54	24.274		
16,500.00	7,080.61	7,058.61	7,058.61	276.64	244.69	-90.28	-4,013.55	-215.28	9,011.90	8,644.28	367.62	24.514		
16,600.00	7,080.84	7,058.84	7,058.84	279.47	244.70	-90.28	-4,013.55	-215.28	9,102.21	8,734.51	367.69	24.755		
16,700.00	7,081.07	7,059.07	7,059.07	282.31	244.71	-90.28	-4,013.55	-215.28	9,192.72	8,824.95	367.76	24.996		
16,800.00	7,081.30	7,059.30	7,059.30	285.14	244.72	-90.29	-4,013.55	-215.28	9,283.42	8,915.59	367.83	25.238		
16,900.00	7,081.53	7,059.53	7,059.53	287.98	244.73	-90.29	-4,013.55	-215.28	9,374.32	9,006.42	367.90	25.481		
17,000.00	7,081.76	7,059.76	7,059.76	290.82	244.73	-90.29	-4,013.55	-215.28	9,465.39	9,097.43	367.96	25.724		
17,100.00	7,081.99	7,059.99	7,059.99	293.65	244.74	-90.30	-4,013.55	-215.28	9,556.65	9,188.63	368.02	25.968		
17,200.00	7,082.22	7,060.22	7,060.22	296.49	244.75	-90.30	-4,013.55	-215.28	9,648.08	9,280.00	368.08	26.212		
17,300.00	7,082.45	7,060.45	7,060.45	299.33	244.76	-90.30	-4,013.55	-215.28	9,739.68	9,371.54	368.14	26.457		
17,400.00	7,082.68	7,060.68	7,060.68	302.17	244.77	-90.31	-4,013.55	-215.28	9,831.44	9,463.25	368.19	26.702		
17,500.00	7,082.91	7,060.91	7,060.91	305.01	244.77	-90.31	-4,013.55	-215.28	9,923.36	9,555.12	368.24	26.948		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-71.66	1,454.33	-4,386.73	4,621.52					
100.00	100.00	140.00	140.00	3.28	4.54	-71.66	1,454.33	-4,386.73	4,621.52	4,613.70	7.83	590.481		
200.00	200.00	240.00	240.00	3.34	7.40	-71.66	1,454.33	-4,386.73	4,621.52	4,610.79	10.74	430.445		
300.00	300.00	340.00	340.00	3.44	10.64	-71.66	1,454.33	-4,386.73	4,621.52	4,607.44	14.09	328.073		
400.00	399.98	439.98	439.98	3.60	14.00	-167.16	1,454.33	-4,386.73	4,623.22	4,605.62	17.60	262.634		
500.00	499.84	539.84	539.84	3.80	17.41	-167.16	1,454.33	-4,386.73	4,628.33	4,607.12	21.21	218.219		
600.00	599.45	639.45	639.45	4.04	20.84	-167.14	1,454.33	-4,386.73	4,636.83	4,611.95	24.87	186.414		
700.00	698.70	738.70	738.70	4.31	24.27	-167.12	1,454.33	-4,386.73	4,648.71	4,620.14	28.57	162.686		
800.00	797.47	837.47	837.47	4.62	27.69	-167.10	1,454.33	-4,386.73	4,663.97	4,631.67	32.30	144.407		
900.00	895.62	935.62	935.62	4.97	31.09	-167.06	1,454.33	-4,386.73	4,682.58	4,646.55	36.03	129.962		
980.89	974.49	1,014.49	1,014.49	5.27	33.83	-167.03	1,454.33	-4,386.73	4,700.08	4,661.03	39.05	120.355		
1,000.00	993.07	1,033.07	1,033.07	5.34	34.48	-167.05	1,454.33	-4,386.73	4,704.47	4,664.70	39.77	118.297		
1,100.00	1,090.26	1,130.26	1,130.26	5.75	37.85	-167.11	1,454.33	-4,386.73	4,727.45	4,683.95	43.50	108.667		
1,200.00	1,187.45	1,227.45	1,227.45	6.17	41.24	-167.17	1,454.33	-4,386.73	4,750.44	4,703.18	47.26	100.522		
1,300.00	1,284.64	1,324.64	1,324.64	6.62	44.62	-167.23	1,454.33	-4,386.73	4,773.43	4,722.40	51.03	93.548		
1,400.00	1,381.83	1,421.83	1,421.83	7.07	48.00	-167.30	1,454.33	-4,386.73	4,796.42	4,741.62	54.81	87.514		
1,500.00	1,479.01	1,519.01	1,519.01	7.54	51.39	-167.36	1,454.33	-4,386.73	4,819.43	4,760.83	58.60	82.245		
1,600.00	1,576.20	1,616.20	1,616.20	8.02	54.77	-167.42	1,454.33	-4,386.73	4,842.43	4,780.03	62.40	77.605		
1,700.00	1,673.39	1,713.39	1,713.39	8.50	58.16	-167.48	1,454.33	-4,386.73	4,865.44	4,799.24	66.21	73.490		
1,800.00	1,770.58	1,810.58	1,810.58	8.99	61.55	-167.54	1,454.33	-4,386.73	4,888.46	4,818.44	70.02	69.817		
1,900.00	1,867.77	1,907.77	1,907.77	9.48	64.94	-167.60	1,454.33	-4,386.73	4,911.48	4,837.65	73.84	66.518		
2,000.00	1,964.96	2,004.96	2,004.96	9.98	68.33	-167.66	1,454.33	-4,386.73	4,934.51	4,856.85	77.66	63.541		
2,100.00	2,062.15	2,102.15	2,102.15	10.49	71.72	-167.72	1,454.33	-4,386.73	4,957.54	4,876.06	81.49	60.839		
2,200.00	2,159.34	2,200.66	2,199.34	10.99	75.15	-167.77	1,454.33	-4,386.73	4,980.58	4,895.22	85.36	58.347		
2,300.00	2,256.53	2,303.47	2,296.53	11.50	78.74	-167.83	1,454.33	-4,386.73	5,003.62	4,914.23	89.39	55.975		
2,400.00	2,353.71	2,406.29	2,393.71	12.01	82.32	-167.89	1,454.33	-4,386.73	5,026.66	4,933.24	93.42	53.806		
2,500.00	2,450.90	2,509.10	2,490.90	12.53	85.91	-167.94	1,454.33	-4,386.73	5,049.71	4,952.26	97.46	51.815		
2,600.00	2,548.09	2,588.09	2,588.09	13.04	88.67	-168.00	1,454.33	-4,386.73	5,072.77	4,972.11	100.66	50.394		
2,700.00	2,645.28	2,685.28	2,685.28	13.56	92.06	-168.05	1,454.33	-4,386.73	5,095.83	4,991.33	104.50	48.763		
2,800.00	2,742.47	2,782.47	2,782.47	14.08	95.45	-168.11	1,454.33	-4,386.73	5,118.89	5,010.55	108.35	47.246		
2,900.00	2,839.66	2,879.66	2,879.66	14.60	98.84	-168.16	1,454.33	-4,386.73	5,141.96	5,029.77	112.19	45.832		
3,000.00	2,936.85	2,976.85	2,976.85	15.12	102.23	-168.21	1,454.33	-4,386.73	5,165.03	5,049.00	116.04	44.512		
3,100.00	3,034.04	3,074.04	3,074.04	15.65	105.62	-168.27	1,454.33	-4,386.73	5,188.11	5,068.23	119.88	43.276		
3,200.00	3,131.22	3,171.22	3,171.22	16.17	109.01	-168.32	1,454.33	-4,386.73	5,211.19	5,087.46	123.73	42.117		
3,300.00	3,228.41	3,268.41	3,268.41	16.69	112.40	-168.37	1,454.33	-4,386.73	5,234.28	5,106.70	127.58	41.027		
3,400.00	3,325.60	3,365.60	3,365.60	17.22	115.79	-168.42	1,454.33	-4,386.73	5,257.37	5,125.93	131.43	40.001		
3,500.00	3,422.79	3,462.79	3,462.79	17.75	119.19	-168.48	1,454.33	-4,386.73	5,280.46	5,145.18	135.28	39.033		
3,600.00	3,519.98	3,559.98	3,559.98	18.27	122.58	-168.53	1,454.33	-4,386.73	5,303.56	5,164.42	139.13	38.118		
3,700.00	3,617.17	3,657.17	3,657.17	18.80	125.97	-168.58	1,454.33	-4,386.73	5,326.66	5,183.67	142.99	37.253		
3,800.00	3,714.36	3,754.36	3,754.36	19.33	129.36	-168.63	1,454.33	-4,386.73	5,349.76	5,202.92	146.84	36.433		
3,900.00	3,811.55	3,851.55	3,851.55	19.86	132.75	-168.68	1,454.33	-4,386.73	5,372.87	5,222.18	150.69	35.655		
4,000.00	3,908.74	3,948.74	3,948.74	20.39	136.14	-168.72	1,454.33	-4,386.73	5,395.98	5,241.44	154.55	34.915		
4,100.00	4,005.92	4,045.92	4,045.92	20.92	139.54	-168.77	1,454.33	-4,386.73	5,419.10	5,260.70	158.40	34.211		
4,200.00	4,103.11	4,143.11	4,143.11	21.45	142.93	-168.82	1,454.33	-4,386.73	5,442.22	5,279.96	162.26	33.541		
4,300.00	4,200.30	4,240.30	4,240.30	21.98	146.32	-168.87	1,454.33	-4,386.73	5,465.34	5,299.23	166.11	32.902		
4,400.00	4,297.49	4,337.49	4,337.49	22.51	149.71	-168.92	1,454.33	-4,386.73	5,488.47	5,318.50	169.97	32.291		
4,500.00	4,394.68	4,434.68	4,434.68	23.04	153.10	-168.96	1,454.33	-4,386.73	5,511.60	5,337.78	173.82	31.708		
4,600.00	4,491.87	4,531.87	4,531.87	23.57	156.50	-169.01	1,454.33	-4,386.73	5,534.73	5,357.05	177.68	31.150		
4,700.00	4,589.06	4,629.06	4,629.06	24.10	159.89	-169.06	1,454.33	-4,386.73	5,557.87	5,376.34	181.54	30.616		
4,800.00	4,686.25	4,726.25	4,726.25	24.64	163.28	-169.10	1,454.33	-4,386.73	5,581.01	5,395.62	185.39	30.104		
4,900.00	4,783.43	4,823.43	4,823.43	25.17	166.67	-169.15	1,454.33	-4,386.73	5,604.16	5,414.91	189.25	29.612		
5,000.00	4,880.62	4,920.62	4,920.62	25.70	170.07	-169.19	1,454.33	-4,386.73	5,627.30	5,434.20	193.11	29.141		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	5,017.81	5,017.81	26.23	173.46	-169.24	1,454.33	-4,386.73	5,650.46	5,453.49	196.97	28.687		
5,200.00	5,075.00	5,115.00	5,115.00	26.77	176.85	-169.28	1,454.33	-4,386.73	5,673.61	5,472.78	200.83	28.251		
5,300.00	5,172.19	5,212.19	5,212.19	27.30	180.24	-169.33	1,454.33	-4,386.73	5,696.77	5,492.08	204.68	27.832		
5,400.00	5,269.38	5,309.38	5,309.38	27.83	183.63	-169.37	1,454.33	-4,386.73	5,719.93	5,511.39	208.54	27.428		
5,457.75	5,325.51	5,365.51	5,365.51	28.14	185.59	-169.39	1,454.33	-4,386.73	5,733.30	5,522.53	210.77	27.202		
5,500.00	5,366.64	5,406.64	5,406.64	28.37	187.03	-169.45	1,454.33	-4,386.73	5,742.79	5,530.39	212.40	27.037		
5,600.00	5,464.53	5,504.53	5,504.53	28.87	190.45	-169.56	1,454.33	-4,386.73	5,762.87	5,546.59	216.28	26.646		
5,700.00	5,563.07	5,603.07	5,603.07	29.35	193.89	-169.65	1,454.33	-4,386.73	5,779.57	5,559.40	220.17	26.251		
5,800.00	5,662.15	5,702.15	5,702.15	29.80	197.34	-169.72	1,454.33	-4,386.73	5,792.88	5,568.82	224.06	25.854		
5,900.00	5,761.64	5,801.64	5,801.64	30.23	200.82	-169.78	1,454.33	-4,386.73	5,802.78	5,574.81	227.96	25.455		
6,000.00	5,861.42	5,901.42	5,901.42	30.64	204.30	-169.81	1,454.33	-4,386.73	5,809.25	5,577.39	231.87	25.054		
6,100.00	5,961.36	6,001.36	6,001.36	31.02	207.79	-169.83	1,454.33	-4,386.73	5,812.30	5,576.54	235.76	24.654		
6,138.64	6,000.00	6,040.00	6,040.00	31.16	209.14	-74.32	1,454.33	-4,386.73	5,812.56	5,575.30	237.26	24.499		
6,200.00	6,061.36	6,101.36	6,101.36	31.38	211.28	-74.32	1,454.33	-4,386.73	5,812.56	5,572.92	239.63	24.256		
6,300.00	6,161.36	6,201.36	6,201.36	31.74	214.77	-74.32	1,454.33	-4,386.73	5,812.56	5,569.05	243.50	23.871		
6,400.00	6,261.36	6,301.36	6,301.36	32.10	218.26	-74.32	1,454.33	-4,386.73	5,812.56	5,565.18	247.37	23.497		
6,500.00	6,361.36	6,401.36	6,401.36	32.46	221.75	-74.32	1,454.33	-4,386.73	5,812.56	5,561.31	251.24	23.135		
6,562.02	6,423.38	6,463.38	6,463.38	32.68	223.92	-74.32	1,454.33	-4,386.73	5,812.56	5,558.91	253.65	22.916		
6,600.00	6,461.34	6,501.34	6,501.34	32.82	225.24	16.01	1,454.33	-4,386.73	5,811.47	5,556.36	255.11	22.780		
6,650.00	6,511.08	6,551.08	6,551.08	32.99	226.98	16.14	1,454.33	-4,386.73	5,806.72	5,549.71	257.01	22.593		
6,700.00	6,560.29	6,600.29	6,600.29	33.17	228.69	16.38	1,454.33	-4,386.73	5,798.24	5,539.36	258.88	22.397		
6,750.00	6,608.64	6,648.64	6,648.64	33.36	230.38	16.74	1,454.33	-4,386.73	5,786.07	5,525.37	260.70	22.194		
6,800.00	6,655.86	6,695.86	6,695.86	33.56	232.32	17.23	1,454.33	-4,386.73	5,770.30	5,507.54	262.76	21.960		
6,850.00	6,701.64	6,741.64	6,741.64	33.78	233.63	17.85	1,454.33	-4,386.73	5,751.02	5,486.85	264.17	21.770		
6,900.00	6,745.71	6,785.71	6,785.71	34.01	235.17	18.64	1,454.33	-4,386.73	5,728.36	5,462.56	265.80	21.551		
6,950.00	6,787.79	6,827.79	6,827.79	34.27	236.64	19.63	1,454.33	-4,386.73	5,702.46	5,435.12	267.34	21.330		
7,000.00	6,827.62	6,867.62	6,867.62	34.56	238.03	20.84	1,454.33	-4,386.73	5,673.48	5,404.68	268.80	21.107		
7,050.00	6,864.96	6,904.96	6,904.96	34.87	239.33	22.33	1,454.33	-4,386.73	5,641.60	5,371.45	270.15	20.883		
7,100.00	6,899.58	6,939.58	6,939.58	35.21	240.54	24.17	1,454.33	-4,386.73	5,607.04	5,335.63	271.40	20.659		
7,150.00	6,931.26	6,971.26	6,971.26	35.60	241.64	26.45	1,454.33	-4,386.73	5,569.99	5,297.44	272.55	20.437		
7,200.00	6,959.81	7,000.19	6,999.81	36.02	242.65	29.31	1,454.33	-4,386.73	5,530.70	5,257.11	273.59	20.215		
7,250.00	6,985.06	7,025.06	7,025.06	36.47	243.52	32.92	1,454.33	-4,386.73	5,489.42	5,214.92	274.49	19.999		
7,300.00	7,006.84	7,046.84	7,046.84	36.97	244.28	37.54	1,454.33	-4,386.73	5,446.39	5,171.11	275.29	19.785		
7,350.00	7,025.02	7,065.02	7,065.02	37.51	244.92	43.49	1,454.33	-4,386.73	5,401.90	5,125.95	275.96	19.575		
7,400.00	7,039.49	7,079.49	7,079.49	38.09	245.42	51.20	1,454.33	-4,386.73	5,356.22	5,079.72	276.51	19.371		
7,450.00	7,050.17	7,109.83	7,090.17	38.70	246.48	61.02	1,454.33	-4,386.73	5,309.64	5,032.02	277.62	19.125		
7,500.00	7,056.98	7,103.02	7,096.98	39.33	246.24	73.05	1,454.33	-4,386.73	5,262.44	4,984.99	277.45	18.967		
7,550.00	7,059.89	7,100.11	7,099.89	39.99	246.14	86.65	1,454.33	-4,386.73	5,214.93	4,937.50	277.43	18.798		
7,560.55	7,060.00	7,100.00	7,100.00	40.13	246.14	89.59	1,454.33	-4,386.73	5,204.89	4,927.45	277.44	18.760		
7,600.00	7,060.09	7,100.09	7,100.09	40.67	246.14	89.59	1,454.33	-4,386.73	5,167.36	4,889.85	277.52	18.620		
7,700.00	7,060.32	7,100.32	7,100.32	42.14	246.15	89.60	1,454.33	-4,386.73	5,072.37	4,794.64	277.74	18.263		
7,800.00	7,060.55	7,100.55	7,100.55	43.75	246.16	89.61	1,454.33	-4,386.73	4,977.58	4,699.58	278.00	17.905		
7,900.00	7,060.78	7,100.78	7,100.78	45.48	246.17	89.62	1,454.33	-4,386.73	4,883.00	4,604.69	278.30	17.546		
8,000.00	7,061.01	7,101.01	7,101.01	47.33	246.17	89.63	1,454.33	-4,386.73	4,788.63	4,509.97	278.66	17.184		
8,100.00	7,061.24	7,101.24	7,101.24	49.27	246.18	89.64	1,454.33	-4,386.73	4,694.50	4,415.43	279.07	16.822		
8,200.00	7,061.47	7,101.47	7,101.47	51.29	246.19	89.64	1,454.33	-4,386.73	4,600.62	4,321.08	279.54	16.458		
8,300.00	7,061.70	7,101.70	7,101.70	53.40	246.20	89.65	1,454.33	-4,386.73	4,507.00	4,226.93	280.07	16.093		
8,400.00	7,061.93	7,101.93	7,101.93	55.57	246.21	89.66	1,454.33	-4,386.73	4,413.65	4,133.00	280.66	15.726		
8,500.00	7,062.16	7,102.16	7,102.16	57.80	246.21	89.67	1,454.33	-4,386.73	4,320.61	4,039.29	281.32	15.358		
8,600.00	7,062.39	7,102.39	7,102.39	60.08	246.22	89.68	1,454.33	-4,386.73	4,227.89	3,945.83	282.06	14.989		
8,700.00	7,062.63	7,102.63	7,102.63	62.42	246.23	89.69	1,454.33	-4,386.73	4,135.50	3,852.62	282.88	14.619		
8,800.00	7,062.86	7,102.86	7,102.86	64.79	246.24	89.69	1,454.33	-4,386.73	4,043.48	3,759.70	283.78	14.249		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,103.09	7,103.09	67.20	246.25	89.70	1,454.33	-4,386.73	3,951.84	3,667.07	284.77	13.877		
9,000.00	7,063.32	7,103.32	7,103.32	69.65	246.25	89.71	1,454.33	-4,386.73	3,860.62	3,574.77	285.85	13.506		
9,100.00	7,063.55	7,103.55	7,103.55	72.12	246.26	89.72	1,454.33	-4,386.73	3,769.84	3,482.81	287.04	13.134		
9,200.00	7,063.78	7,103.78	7,103.78	74.63	246.27	89.73	1,454.33	-4,386.73	3,679.54	3,391.22	288.33	12.762		
9,300.00	7,064.01	7,104.01	7,104.01	77.16	246.28	89.73	1,454.33	-4,386.73	3,589.76	3,300.04	289.73	12.390		
9,400.00	7,064.24	7,104.24	7,104.24	79.71	246.29	89.74	1,454.33	-4,386.73	3,500.53	3,209.29	291.24	12.019		
9,500.00	7,064.47	7,104.47	7,104.47	82.28	246.29	89.75	1,454.33	-4,386.73	3,411.90	3,119.02	292.88	11.649		
9,600.00	7,064.70	7,104.70	7,104.70	84.87	246.30	89.76	1,454.33	-4,386.73	3,323.91	3,029.26	294.66	11.281		
9,700.00	7,064.93	7,104.93	7,104.93	87.47	246.31	89.77	1,454.33	-4,386.73	3,236.62	2,940.06	296.56	10.914		
9,800.00	7,065.16	7,105.16	7,105.16	90.09	246.32	89.78	1,454.33	-4,386.73	3,150.09	2,851.47	298.62	10.549		
9,900.00	7,065.39	7,105.39	7,105.39	92.73	246.33	89.78	1,454.33	-4,386.73	3,064.38	2,763.56	300.82	10.187		
10,000.00	7,065.62	7,105.62	7,105.62	95.38	246.33	89.79	1,454.33	-4,386.73	2,979.55	2,676.37	303.19	9.827		
10,100.00	7,065.85	7,105.85	7,105.85	98.04	246.34	89.80	1,454.33	-4,386.73	2,895.70	2,589.98	305.72	9.472		
10,200.00	7,066.08	7,106.08	7,106.08	100.71	246.35	89.81	1,454.33	-4,386.73	2,812.90	2,504.48	308.43	9.120		
10,300.00	7,066.31	7,106.31	7,106.31	103.39	246.36	89.82	1,454.33	-4,386.73	2,731.26	2,419.94	311.32	8.773		
10,400.00	7,066.54	7,106.54	7,106.54	106.08	246.37	89.83	1,454.33	-4,386.73	2,650.87	2,336.46	314.40	8.431		
10,500.00	7,066.77	7,106.77	7,106.77	108.78	246.37	89.83	1,454.33	-4,386.73	2,571.85	2,254.16	317.69	8.095		
10,600.00	7,067.01	7,107.01	7,107.01	111.48	246.38	89.84	1,454.33	-4,386.73	2,494.35	2,173.16	321.19	7.766		
10,700.00	7,067.24	7,107.24	7,107.24	114.20	246.39	89.85	1,454.33	-4,386.73	2,418.49	2,093.60	324.89	7.444		
10,800.00	7,067.47	7,107.47	7,107.47	116.92	246.40	89.86	1,454.33	-4,386.73	2,344.45	2,015.62	328.82	7.130		
10,900.00	7,067.70	7,107.70	7,107.70	119.65	246.41	89.87	1,454.33	-4,386.73	2,272.39	1,939.42	332.98	6.825		
11,000.00	7,067.93	7,107.93	7,107.93	122.38	246.41	89.88	1,454.33	-4,386.73	2,202.52	1,865.17	337.35	6.529		
11,100.00	7,068.16	7,108.16	7,108.16	125.12	246.42	89.88	1,454.33	-4,386.73	2,135.05	1,793.11	341.94	6.244		
11,200.00	7,068.39	7,108.39	7,108.39	127.86	246.43	89.89	1,454.33	-4,386.73	2,070.21	1,723.46	346.75	5.970		
11,300.00	7,068.62	7,108.62	7,108.62	130.61	246.44	89.90	1,454.33	-4,386.73	2,008.26	1,656.51	351.76	5.709		
11,400.00	7,068.85	7,108.85	7,108.85	133.37	246.45	89.91	1,454.33	-4,386.73	1,949.47	1,592.54	356.94	5.462		
11,500.00	7,069.08	7,109.08	7,109.08	136.12	246.45	89.92	1,454.33	-4,386.73	1,894.14	1,531.88	362.27	5.229		
11,600.00	7,069.31	7,109.31	7,109.31	138.89	246.46	89.92	1,454.33	-4,386.73	1,842.58	1,474.88	367.70	5.011		
11,700.00	7,069.54	7,109.54	7,109.54	141.65	246.47	89.93	1,454.33	-4,386.73	1,795.12	1,421.92	373.20	4.810		
11,800.00	7,069.77	7,109.77	7,109.77	144.42	246.48	89.94	1,454.33	-4,386.73	1,752.08	1,373.38	378.70	4.627		
11,900.00	7,070.00	7,110.00	7,110.00	147.19	246.49	89.95	1,454.33	-4,386.73	1,713.80	1,329.68	384.12	4.462		
12,000.00	7,070.23	7,110.23	7,110.23	149.97	246.50	89.96	1,454.33	-4,386.73	1,680.61	1,291.22	389.39	4.316		
12,100.00	7,070.46	7,110.46	7,110.46	152.75	246.50	89.97	1,454.33	-4,386.73	1,652.81	1,258.40	394.42	4.191		
12,200.00	7,070.69	7,110.69	7,110.69	155.53	246.51	89.97	1,454.33	-4,386.73	1,630.68	1,231.56	399.12	4.086		
12,300.00	7,070.92	7,110.92	7,110.92	158.32	246.52	89.98	1,454.33	-4,386.73	1,614.45	1,211.05	403.40	4.002		
12,400.00	7,071.16	7,111.16	7,111.16	161.10	246.53	89.99	1,454.33	-4,386.73	1,604.30	1,197.12	407.19	3.940		
12,500.00	7,071.39	7,111.39	7,111.39	163.89	246.54	90.00	1,454.33	-4,386.73	1,600.35	1,189.94	410.42	3.899		
12,513.33	7,071.42	7,111.42	7,111.42	164.27	246.54	90.00	1,454.33	-4,386.73	1,600.30	1,189.50	410.80	3.896 CC, ES		
12,600.00	7,071.62	7,111.62	7,111.62	166.69	246.54	90.01	1,454.33	-4,386.73	1,602.64	1,189.61	413.03	3.880 SF		
12,700.00	7,071.85	7,111.85	7,111.85	169.48	246.55	90.02	1,454.33	-4,386.73	1,611.15	1,196.13	415.02	3.882		
12,800.00	7,072.08	7,112.08	7,112.08	172.28	246.56	90.02	1,454.33	-4,386.73	1,625.77	1,209.41	416.36	3.905		
12,900.00	7,072.31	7,112.31	7,112.31	175.08	246.57	90.03	1,454.33	-4,386.73	1,646.35	1,229.26	417.09	3.947		
13,000.00	7,072.54	7,112.54	7,112.54	177.88	246.58	90.04	1,454.33	-4,386.73	1,672.66	1,255.43	417.23	4.009		
13,100.00	7,072.77	7,112.77	7,112.77	180.68	246.58	90.05	1,454.33	-4,386.73	1,704.44	1,287.60	416.84	4.089		
13,200.00	7,073.00	7,113.00	7,113.00	183.48	246.59	90.06	1,454.33	-4,386.73	1,741.40	1,325.41	415.98	4.186		
13,300.00	7,073.23	7,113.23	7,113.23	186.29	246.60	90.06	1,454.33	-4,386.73	1,783.20	1,368.48	414.72	4.300		
13,400.00	7,073.46	7,113.46	7,113.46	189.09	246.61	90.07	1,454.33	-4,386.73	1,829.52	1,416.40	413.12	4.429		
13,500.00	7,073.69	7,113.69	7,113.69	191.90	246.62	90.08	1,454.33	-4,386.73	1,880.02	1,468.77	411.25	4.572		
13,600.00	7,073.92	7,113.92	7,113.92	194.71	246.62	90.09	1,454.33	-4,386.73	1,934.37	1,525.21	409.16	4.728		
13,700.00	7,074.15	7,114.15	7,114.15	197.52	246.63	90.10	1,454.33	-4,386.73	1,992.27	1,585.34	406.92	4.896		
13,800.00	7,074.38	7,114.38	7,114.38	200.34	246.64	90.11	1,454.33	-4,386.73	2,053.40	1,648.83	404.57	5.075		
13,900.00	7,074.61	7,114.61	7,114.61	203.15	246.65	90.11	1,454.33	-4,386.73	2,117.50	1,715.34	402.16	5.265		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,114.84	7,114.84	205.97	246.66	90.12	1,454.33	-4,386.73	2,184.29	1,784.59	399.70	5.465		
14,100.00	7,075.07	7,115.07	7,115.07	208.78	246.66	90.13	1,454.33	-4,386.73	2,253.54	1,856.30	397.24	5.673		
14,200.00	7,075.30	7,115.30	7,115.30	211.60	246.67	90.14	1,454.33	-4,386.73	2,325.03	1,930.24	394.80	5.889		
14,300.00	7,075.54	7,115.54	7,115.54	214.42	246.68	90.15	1,454.33	-4,386.73	2,398.57	2,006.18	392.39	6.113		
14,400.00	7,075.77	7,115.77	7,115.77	217.24	246.69	90.16	1,454.33	-4,386.73	2,473.95	2,083.93	390.02	6.343		
14,500.00	7,076.00	7,116.00	7,116.00	220.06	246.70	90.16	1,454.33	-4,386.73	2,551.04	2,163.33	387.71	6.580		
14,600.00	7,076.23	7,116.23	7,116.23	222.88	246.70	90.17	1,454.33	-4,386.73	2,629.66	2,244.20	385.46	6.822		
14,700.00	7,076.46	7,116.46	7,116.46	225.70	246.71	90.18	1,454.33	-4,386.73	2,709.69	2,326.41	383.28	7.070		
14,800.00	7,076.69	7,116.69	7,116.69	228.53	246.72	90.19	1,454.33	-4,386.73	2,791.02	2,409.84	381.17	7.322		
14,900.00	7,076.92	7,116.92	7,116.92	231.35	246.73	90.20	1,454.33	-4,386.73	2,873.52	2,494.38	379.14	7.579		
15,000.00	7,077.15	7,117.15	7,117.15	234.18	246.74	90.21	1,454.33	-4,386.73	2,957.10	2,579.92	377.18	7.840		
15,100.00	7,077.38	7,117.38	7,117.38	237.00	246.74	90.21	1,454.33	-4,386.73	3,041.67	2,666.38	375.29	8.105		
15,200.00	7,077.61	7,117.61	7,117.61	239.83	246.75	90.22	1,454.33	-4,386.73	3,127.16	2,753.68	373.47	8.373		
15,300.00	7,077.84	7,117.84	7,117.84	242.66	246.76	90.23	1,454.33	-4,386.73	3,213.48	2,841.75	371.73	8.645		
15,400.00	7,078.07	7,118.07	7,118.07	245.49	246.77	90.24	1,454.33	-4,386.73	3,300.57	2,930.52	370.05	8.919		
15,500.00	7,078.30	7,118.30	7,118.30	248.31	246.78	90.25	1,454.33	-4,386.73	3,388.38	3,019.93	368.44	9.196		
15,600.00	7,078.53	7,118.53	7,118.53	251.14	246.78	90.25	1,454.33	-4,386.73	3,476.84	3,109.94	366.90	9.476		
15,700.00	7,078.76	7,118.76	7,118.76	253.97	246.79	90.26	1,454.33	-4,386.73	3,565.92	3,200.50	365.42	9.758		
15,800.00	7,078.99	7,118.99	7,118.99	256.80	246.80	90.27	1,454.33	-4,386.73	3,655.56	3,291.56	363.99	10.043		
15,900.00	7,079.22	7,119.22	7,119.22	259.64	246.81	90.28	1,454.33	-4,386.73	3,745.72	3,383.09	362.63	10.329		
16,000.00	7,079.45	7,119.45	7,119.45	262.47	246.82	90.29	1,454.33	-4,386.73	3,836.37	3,475.05	361.32	10.618		
16,100.00	7,079.69	7,119.69	7,119.69	265.30	246.82	90.30	1,454.33	-4,386.73	3,927.48	3,567.42	360.06	10.908		
16,200.00	7,079.92	7,119.92	7,119.92	268.13	246.83	90.30	1,454.33	-4,386.73	4,019.01	3,660.15	358.85	11.200		
16,300.00	7,080.15	7,120.15	7,120.15	270.97	246.84	90.31	1,454.33	-4,386.73	4,110.93	3,753.23	357.69	11.493		
16,400.00	7,080.38	7,120.38	7,120.38	273.80	246.85	90.32	1,454.33	-4,386.73	4,203.22	3,846.64	356.58	11.788		
16,500.00	7,080.61	7,120.61	7,120.61	276.64	246.86	90.33	1,454.33	-4,386.73	4,295.86	3,940.35	355.51	12.084		
16,600.00	7,080.84	7,120.84	7,120.84	279.47	246.87	90.34	1,454.33	-4,386.73	4,388.82	4,034.33	354.48	12.381		
16,700.00	7,081.07	7,121.07	7,121.07	282.31	246.87	90.35	1,454.33	-4,386.73	4,482.08	4,128.59	353.50	12.679		
16,800.00	7,081.30	7,121.30	7,121.30	285.14	246.88	90.35	1,454.33	-4,386.73	4,575.63	4,223.08	352.55	12.979		
16,900.00	7,081.53	7,121.53	7,121.53	287.98	246.89	90.36	1,454.33	-4,386.73	4,669.44	4,317.81	351.63	13.279		
17,000.00	7,081.76	7,121.76	7,121.76	290.82	246.90	90.37	1,454.33	-4,386.73	4,763.51	4,412.76	350.75	13.581		
17,100.00	7,081.99	7,121.99	7,121.99	293.65	246.91	90.38	1,454.33	-4,386.73	4,857.82	4,507.91	349.91	13.883		
17,200.00	7,082.22	7,122.22	7,122.22	296.49	246.91	90.39	1,454.33	-4,386.73	4,952.34	4,603.25	349.09	14.186		
17,300.00	7,082.45	7,122.45	7,122.45	299.33	246.92	90.40	1,454.33	-4,386.73	5,047.08	4,698.77	348.31	14.490		
17,400.00	7,082.68	7,122.68	7,122.68	302.17	246.93	90.40	1,454.33	-4,386.73	5,142.02	4,794.47	347.55	14.795		
17,500.00	7,082.91	7,122.91	7,122.91	305.01	246.94	90.41	1,454.33	-4,386.73	5,237.14	4,890.32	346.83	15.100		
17,600.00	7,083.14	7,123.14	7,123.14	307.85	246.95	90.42	1,454.33	-4,386.73	5,332.45	4,986.33	346.12	15.406		
17,700.00	7,083.37	7,123.37	7,123.37	310.69	246.95	90.43	1,454.33	-4,386.73	5,427.92	5,082.48	345.45	15.713		
17,800.00	7,083.60	7,123.60	7,123.60	313.53	246.96	90.44	1,454.33	-4,386.73	5,523.56	5,178.76	344.80	16.020		
17,900.00	7,083.84	7,123.84	7,123.84	316.37	246.97	90.44	1,454.33	-4,386.73	5,619.34	5,275.18	344.17	16.327		
18,000.00	7,084.07	7,124.07	7,124.07	319.21	246.98	90.45	1,454.33	-4,386.73	5,715.27	5,371.71	343.56	16.635		
18,100.00	7,084.30	7,124.30	7,124.30	322.05	246.99	90.46	1,454.33	-4,386.73	5,811.34	5,468.36	342.97	16.944		
18,200.00	7,084.53	7,124.53	7,124.53	324.89	246.99	90.47	1,454.33	-4,386.73	5,907.54	5,565.13	342.41	17.253		
18,300.00	7,084.76	7,124.76	7,124.76	327.73	247.00	90.48	1,454.33	-4,386.73	6,003.86	5,662.00	341.86	17.562		
18,400.00	7,084.99	7,124.99	7,124.99	330.57	247.01	90.49	1,454.33	-4,386.73	6,100.30	5,758.96	341.34	17.872		
18,500.00	7,085.22	7,125.22	7,125.22	333.41	247.02	90.49	1,454.33	-4,386.73	6,196.85	5,856.02	340.83	18.182		
18,600.00	7,085.45	7,125.45	7,125.45	336.26	247.03	90.50	1,454.33	-4,386.73	6,293.51	5,953.18	340.33	18.492		
18,700.00	7,085.68	7,125.68	7,125.68	339.10	247.03	90.51	1,454.33	-4,386.73	6,390.28	6,050.42	339.86	18.803		
18,800.00	7,085.91	7,125.91	7,125.91	341.94	247.04	90.52	1,454.33	-4,386.73	6,487.14	6,147.74	339.40	19.114		
18,839.14	7,086.00	7,126.00	7,126.00	343.06	247.05	90.52	1,454.33	-4,386.73	6,525.08	6,185.85	339.22	19.235		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	164.54	-3,691.48	1,021.05	3,830.10					
100.00	100.00	78.39	78.39	3.28	3.28	164.54	-3,691.74	1,020.73	3,830.28	3,823.71	6.57	583.058		
200.00	200.00	168.14	168.13	3.34	3.32	164.56	-3,692.47	1,019.99	3,830.85	3,824.19	6.66	575.365		
300.00	300.00	291.68	291.67	3.44	3.44	164.56	-3,693.16	1,019.75	3,831.36	3,824.47	6.89	556.281		
400.00	399.98	384.77	384.75	3.60	3.58	69.08	-3,693.21	1,019.93	3,830.85	3,823.67	7.18	533.425		
500.00	499.84	491.85	491.83	3.80	3.79	69.19	-3,693.32	1,020.28	3,829.17	3,821.58	7.59	504.771		
600.00	599.45	585.25	585.23	4.04	4.01	69.35	-3,693.31	1,020.72	3,826.19	3,818.15	8.04	475.892		
700.00	698.70	688.13	688.12	4.31	4.28	69.60	-3,693.43	1,021.04	3,822.08	3,813.49	8.59	445.139		
800.00	797.47	795.79	795.78	4.62	4.59	69.94	-3,693.33	1,021.45	3,816.62	3,807.41	9.21	414.531		
900.00	895.62	902.45	902.44	4.97	4.92	70.35	-3,692.97	1,021.86	3,809.80	3,799.92	9.88	385.697		
980.89	974.49	969.94	969.93	5.27	5.14	70.67	-3,692.81	1,021.99	3,803.53	3,793.14	10.40	365.829		
1,000.00	993.07	985.96	985.94	5.34	5.20	70.73	-3,692.80	1,022.02	3,802.01	3,791.48	10.52	361.272		
1,100.00	1,090.26	1,078.98	1,078.97	5.75	5.52	71.04	-3,692.87	1,022.14	3,794.20	3,782.96	11.24	337.547		
1,200.00	1,187.45	1,180.25	1,180.24	6.17	5.87	71.38	-3,692.98	1,022.17	3,786.53	3,774.52	12.01	315.278		
1,300.00	1,284.64	1,270.02	1,270.00	6.62	6.19	71.69	-3,693.06	1,022.17	3,778.98	3,766.22	12.76	296.067		
1,400.00	1,381.83	1,378.49	1,378.48	7.07	6.59	72.05	-3,693.22	1,022.30	3,771.64	3,758.03	13.61	277.148		
1,500.00	1,479.01	1,472.57	1,472.55	7.54	6.93	72.38	-3,693.14	1,022.28	3,764.17	3,749.76	14.42	261.119		
1,600.00	1,576.20	1,571.69	1,571.67	8.02	7.30	72.72	-3,693.22	1,022.04	3,756.96	3,741.70	15.25	246.317		
1,700.00	1,673.39	1,661.55	1,661.53	8.50	7.64	73.03	-3,693.26	1,021.87	3,749.85	3,733.78	16.07	233.358		
1,800.00	1,770.58	1,751.53	1,751.51	8.99	7.99	73.35	-3,693.57	1,021.62	3,743.15	3,726.25	16.90	221.497		
1,900.00	1,867.77	1,844.83	1,844.81	9.48	8.36	73.68	-3,694.03	1,021.19	3,736.70	3,718.95	17.75	210.478		
2,000.00	1,964.96	1,947.37	1,947.35	9.98	8.76	74.04	-3,694.61	1,020.74	3,730.45	3,711.80	18.65	200.005		
2,100.00	2,062.15	2,048.96	2,048.93	10.49	9.17	74.41	-3,694.91	1,020.01	3,724.05	3,704.49	19.55	190.456		
2,200.00	2,159.34	2,147.83	2,147.80	10.99	9.56	74.77	-3,695.33	1,019.07	3,717.88	3,697.43	20.45	181.797		
2,300.00	2,256.53	2,249.21	2,249.17	11.50	9.97	75.14	-3,695.54	1,018.03	3,711.62	3,690.26	21.36	173.732		
2,400.00	2,353.71	2,343.15	2,343.11	12.01	10.35	75.49	-3,695.81	1,016.99	3,705.60	3,683.34	22.25	166.515		
2,500.00	2,450.90	2,440.74	2,440.69	12.53	10.75	75.85	-3,696.06	1,016.16	3,699.74	3,676.57	23.16	159.724		
2,600.00	2,548.09	2,541.60	2,541.55	13.04	11.17	76.22	-3,696.29	1,015.29	3,693.99	3,669.90	24.09	153.339		
2,700.00	2,645.28	2,643.74	2,643.69	13.56	11.59	76.60	-3,696.35	1,014.31	3,688.23	3,663.20	25.03	147.376		
2,800.00	2,742.47	2,743.62	2,743.56	14.08	12.00	76.97	-3,696.32	1,013.55	3,682.55	3,656.60	25.96	141.880		
2,900.00	2,839.66	2,839.63	2,839.57	14.60	12.40	77.32	-3,696.21	1,012.76	3,676.94	3,650.07	26.87	136.827		
3,000.00	2,936.85	2,927.61	2,927.54	15.12	12.77	77.65	-3,696.28	1,011.94	3,671.66	3,643.90	27.76	132.257		
3,100.00	3,034.04	3,017.68	3,017.61	15.65	13.14	77.98	-3,696.56	1,011.24	3,666.77	3,638.11	28.66	127.930		
3,200.00	3,131.22	3,116.53	3,116.46	16.17	13.56	78.35	-3,696.86	1,010.70	3,662.06	3,632.46	29.60	123.713		
3,300.00	3,228.41	3,206.40	3,206.33	16.69	13.94	78.68	-3,697.18	1,010.63	3,657.59	3,627.09	30.50	119.910		
3,400.00	3,325.60	3,304.55	3,304.48	17.22	14.35	79.03	-3,697.61	1,010.62	3,653.36	3,621.92	31.44	116.201		
3,500.00	3,422.79	3,406.66	3,406.59	17.75	14.78	79.40	-3,697.97	1,010.59	3,649.19	3,616.79	32.40	112.642		
3,600.00	3,519.98	3,491.75	3,491.68	18.27	15.14	79.71	-3,698.36	1,010.66	3,645.27	3,611.99	33.28	109.523		
3,700.00	3,617.17	3,596.51	3,596.43	18.80	15.58	80.10	-3,698.93	1,010.49	3,641.58	3,607.32	34.25	106.309		
3,800.00	3,714.36	3,683.38	3,683.30	19.33	15.95	80.42	-3,699.42	1,010.12	3,638.03	3,602.88	35.15	103.486		
3,900.00	3,811.55	3,790.84	3,790.76	19.86	16.41	80.82	-3,700.09	1,009.85	3,634.71	3,598.57	36.14	100.568		
4,000.00	3,908.74	3,894.15	3,894.07	20.39	16.85	81.20	-3,700.42	1,009.76	3,631.25	3,594.14	37.11	97.844		
4,100.00	4,005.92	3,992.41	3,992.33	20.92	17.27	81.56	-3,700.64	1,009.72	3,627.85	3,589.79	38.06	95.314		
4,200.00	4,103.11	4,092.85	4,092.77	21.45	17.69	81.93	-3,700.80	1,009.80	3,624.55	3,585.53	39.02	92.893		
4,300.00	4,200.30	4,191.26	4,191.18	21.98	18.10	82.29	-3,700.89	1,010.06	3,621.33	3,581.36	39.96	90.618		
4,400.00	4,297.49	4,282.95	4,282.87	22.51	18.48	82.63	-3,701.02	1,010.45	3,618.31	3,577.43	40.88	88.512		
4,500.00	4,394.68	4,383.26	4,383.18	23.04	18.90	82.99	-3,701.22	1,010.89	3,615.50	3,573.67	41.83	86.428		
4,600.00	4,491.87	4,475.44	4,475.36	23.57	19.29	83.32	-3,701.39	1,011.48	3,612.82	3,570.07	42.75	84.504		
4,700.00	4,589.06	4,568.75	4,568.66	24.10	19.68	83.66	-3,701.71	1,011.89	3,610.44	3,566.76	43.68	82.652		
4,800.00	4,686.25	4,666.01	4,665.92	24.64	20.09	84.02	-3,702.11	1,012.25	3,608.27	3,563.64	44.63	80.848		
4,900.00	4,783.43	4,750.76	4,750.67	25.17	20.45	84.33	-3,702.52	1,012.62	3,606.33	3,560.80	45.53	79.214		
5,000.00	4,880.62	4,834.38	4,834.28	25.70	20.81	84.64	-3,703.35	1,012.89	3,605.01	3,558.59	46.42	77.661		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,929.52	4,929.42	26.23	21.22	84.99	-3,704.45	1,012.91	3,604.01	3,556.64	47.36	76.091		
5,200.00	5,075.00	5,029.99	5,029.88	26.77	21.65	85.37	-3,705.62	1,012.70	3,603.17	3,554.84	48.33	74.547		
5,300.00	5,172.19	5,133.77	5,133.65	27.30	22.10	85.76	-3,706.59	1,012.21	3,602.27	3,552.95	49.32	73.042		
5,400.00	5,269.38	5,231.91	5,231.79	27.83	22.52	86.13	-3,707.50	1,011.87	3,601.52	3,551.24	50.28	71.632		
5,457.75	5,325.51	5,295.07	5,294.95	28.14	22.80	86.37	-3,707.99	1,011.79	3,601.07	3,550.21	50.86	70.802		
5,500.00	5,366.64	5,341.94	5,341.81	28.37	23.00	86.53	-3,708.28	1,011.78	3,600.72	3,549.43	51.29	70.207		
5,600.00	5,464.53	5,455.91	5,455.78	28.87	23.49	86.89	-3,708.63	1,011.73	3,599.84	3,547.56	52.29	68.850		
5,700.00	5,563.07	5,549.98	5,549.86	29.35	23.89	87.13	-3,708.63	1,011.46	3,598.97	3,545.80	53.17	67.691		
5,800.00	5,662.15	5,649.16	5,649.04	29.80	24.31	87.34	-3,708.98	1,011.28	3,598.67	3,544.62	54.04	66.591		
5,900.00	5,761.64	5,757.53	5,757.41	30.23	24.76	87.50	-3,708.95	1,011.36	3,598.17	3,543.25	54.92	65.514		
6,000.00	5,861.42	5,850.16	5,850.03	30.64	25.15	87.59	-3,709.00	1,011.68	3,597.92	3,542.21	55.72	64.576		
6,013.52	5,874.93	5,862.46	5,862.34	30.69	25.20	87.60	-3,709.02	1,011.72	3,597.92	3,542.10	55.82	64.455		
6,100.00	5,961.36	5,953.71	5,953.59	31.02	25.58	87.63	-3,709.21	1,011.91	3,597.99	3,541.45	56.54	63.641		
6,138.64	6,000.00	5,999.59	5,999.46	31.16	25.78	-176.85	-3,709.19	1,011.94	3,597.96	3,541.09	56.87	63.267		
6,176.31	6,037.68	6,031.80	6,031.68	31.29	25.91	-176.85	-3,709.16	1,011.95	3,597.93	3,540.79	57.14	62.968		
6,200.00	6,061.36	6,051.98	6,051.86	31.38	26.00	-176.85	-3,709.17	1,011.98	3,597.94	3,540.63	57.31	62.781		
6,300.00	6,161.36	6,152.27	6,152.14	31.74	26.42	-176.86	-3,709.40	1,012.19	3,598.15	3,540.06	58.09	61.941		
6,400.00	6,261.36	6,262.91	6,262.78	32.10	26.88	-176.86	-3,709.29	1,012.39	3,598.04	3,539.13	58.91	61.075		
6,500.00	6,361.36	6,372.91	6,372.78	32.46	27.34	-176.86	-3,708.96	1,012.74	3,597.72	3,537.99	59.73	60.232		
6,562.02	6,423.38	6,433.56	6,433.43	32.68	27.59	-176.87	-3,708.65	1,012.79	3,597.40	3,537.20	60.21	59.749		
6,600.00	6,461.34	6,467.05	6,466.93	32.82	27.73	-86.60	-3,708.52	1,012.84	3,597.19	3,536.71	60.48	59.475		
6,650.00	6,511.08	6,512.97	6,512.84	32.99	27.92	-86.71	-3,708.41	1,012.95	3,596.78	3,535.93	60.85	59.113		
6,700.00	6,560.29	6,564.47	6,564.34	33.17	28.13	-86.91	-3,708.29	1,013.03	3,596.15	3,534.91	61.24	58.724		
6,750.00	6,608.64	6,619.70	6,619.57	33.36	28.36	-87.21	-3,708.10	1,013.03	3,595.31	3,533.66	61.65	58.314		
6,800.00	6,655.86	6,664.13	6,664.00	33.56	28.63	-87.65	-3,707.65	1,013.02	3,594.15	3,532.04	62.12	57.860		
6,850.00	6,701.64	6,736.49	6,736.35	33.78	28.85	-88.11	-3,707.08	1,013.03	3,592.76	3,530.21	62.55	57.440		
6,900.00	6,745.71	6,783.55	6,783.41	34.01	29.04	-88.60	-3,706.53	1,013.07	3,591.33	3,528.35	62.98	57.027		
6,950.00	6,787.79	6,825.42	6,825.28	34.27	29.22	-89.08	-3,706.02	1,013.15	3,589.95	3,526.55	63.40	56.620		
7,000.00	6,827.62	6,938.64	6,938.50	34.56	29.69	-89.54	-3,705.58	1,013.26	3,588.75	3,524.59	64.16	55.937		
7,050.00	6,864.96	6,901.59	6,901.46	34.87	29.53	-90.01	-3,705.18	1,013.57	3,587.85	3,523.54	64.31	55.791		
7,100.00	6,899.58	6,932.72	6,932.57	35.21	29.66	-90.46	-3,704.80	1,013.86	3,587.28	3,522.51	64.78	55.380		
7,139.58	6,924.91	6,957.79	6,957.64	35.52	29.77	-90.79	-3,704.53	1,014.07	3,587.13	3,521.96	65.17	55.039 CC		
7,150.00	6,931.26	6,964.07	6,963.92	35.60	29.79	-90.86	-3,704.46	1,014.13	3,587.15	3,521.87	65.28	54.952		
7,200.00	6,959.81	6,992.27	6,992.12	36.02	29.91	-91.20	-3,704.16	1,014.36	3,587.52	3,521.71	65.80	54.519 ES		
7,250.00	6,985.06	7,017.15	7,016.99	36.47	30.02	-91.46	-3,703.88	1,014.57	3,588.47	3,522.12	66.35	54.084		
7,300.00	7,006.84	7,038.54	7,038.38	36.97	30.11	-91.63	-3,703.65	1,014.76	3,590.07	3,523.15	66.92	53.647		
7,350.00	7,025.02	7,056.33	7,056.16	37.51	30.18	-91.68	-3,703.46	1,014.91	3,592.37	3,524.86	67.51	53.212		
7,400.00	7,039.49	7,070.39	7,070.23	38.09	30.24	-91.63	-3,703.30	1,015.02	3,595.40	3,527.28	68.12	52.783		
7,450.00	7,050.17	7,080.65	7,080.49	38.70	30.28	-91.44	-3,703.19	1,015.11	3,599.20	3,530.46	68.73	52.363		
7,500.00	7,056.98	7,087.04	7,086.87	39.33	30.31	-91.13	-3,703.12	1,015.17	3,603.76	3,534.40	69.36	51.958		
7,550.00	7,059.89	7,089.52	7,089.35	39.99	30.32	-90.69	-3,703.09	1,015.19	3,609.08	3,539.10	69.98	51.572		
7,560.55	7,060.00	7,089.54	7,089.38	40.13	30.32	-90.58	-3,703.09	1,015.19	3,610.29	3,540.18	70.11	51.493		
7,600.00	7,060.09	7,089.30	7,089.13	40.67	30.32	-90.58	-3,703.10	1,015.18	3,615.12	3,544.51	70.61	51.199		
7,700.00	7,060.32	7,088.68	7,088.51	42.14	30.32	-90.57	-3,703.10	1,015.18	3,629.24	3,557.28	71.96	50.436		
7,800.00	7,060.55	7,088.06	7,087.89	43.75	30.31	-90.56	-3,703.11	1,015.17	3,646.04	3,572.63	73.41	49.667		
7,900.00	7,060.78	7,087.43	7,087.27	45.48	30.31	-90.55	-3,703.12	1,015.17	3,665.50	3,590.56	74.95	48.908		
8,000.00	7,061.01	7,086.81	7,086.65	47.33	30.31	-90.54	-3,703.12	1,015.16	3,687.57	3,611.03	76.55	48.174		
8,100.00	7,061.24	7,086.19	7,086.03	49.27	30.31	-90.53	-3,703.13	1,015.16	3,712.21	3,634.01	78.20	47.473		
8,200.00	7,061.47	7,085.57	7,085.41	51.29	30.30	-90.52	-3,703.14	1,015.15	3,739.35	3,659.48	79.88	46.813		
8,300.00	7,061.70	7,084.95	7,084.79	53.40	30.30	-90.51	-3,703.14	1,015.15	3,768.96	3,687.38	81.58	46.200		
8,400.00	7,061.93	7,084.33	7,084.17	55.57	30.30	-90.50	-3,703.15	1,015.14	3,800.96	3,717.68	83.29	45.637		
8,500.00	7,062.16	7,083.71	7,083.55	57.80	30.30	-90.49	-3,703.16	1,015.14	3,835.31	3,750.32	84.99	45.126		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,600.00	7,062.39	7,083.09	7,082.93	60.08	30.29	-90.48	-3,703.16	1,015.13	3,871.93	3,785.25	86.68	44.667		
8,700.00	7,062.63	7,082.47	7,082.30	62.42	30.29	-90.47	-3,703.17	1,015.13	3,910.77	3,822.41	88.36	44.260		
8,800.00	7,062.86	7,081.85	7,081.68	64.79	30.29	-90.46	-3,703.18	1,015.12	3,951.76	3,861.75	90.01	43.905		
8,900.00	7,063.09	7,081.23	7,081.06	67.20	30.29	-90.45	-3,703.18	1,015.12	3,994.83	3,903.21	91.62	43.600		
9,000.00	7,063.32	7,080.61	7,080.44	69.65	30.28	-90.44	-3,703.19	1,015.11	4,039.92	3,946.71	93.21	43.343		
9,100.00	7,063.55	7,079.99	7,079.82	72.12	30.28	-90.43	-3,703.20	1,015.11	4,086.96	3,992.21	94.75	43.133		
9,200.00	7,063.78	7,079.37	7,079.20	74.63	30.28	-90.42	-3,703.20	1,015.10	4,135.88	4,039.62	96.26	42.966		
9,300.00	7,064.01	7,078.74	7,078.58	77.16	30.27	-90.41	-3,703.21	1,015.10	4,186.62	4,088.90	97.72	42.843		
9,400.00	7,064.24	7,078.12	7,077.96	79.71	30.27	-90.40	-3,703.22	1,015.09	4,239.11	4,139.97	99.14	42.759		
9,500.00	7,064.47	7,077.50	7,077.34	82.28	30.27	-90.39	-3,703.22	1,015.08	4,293.29	4,192.77	100.51	42.714		
9,600.00	7,064.70	7,076.88	7,076.72	84.87	30.27	-90.38	-3,703.23	1,015.08	4,349.09	4,247.25	101.84	42.704 SF		
9,700.00	7,064.93	7,076.26	7,076.10	87.47	30.26	-90.37	-3,703.24	1,015.07	4,406.46	4,303.33	103.13	42.729		
9,800.00	7,065.16	7,075.64	7,075.48	90.09	30.26	-90.36	-3,703.25	1,015.07	4,465.32	4,360.96	104.36	42.786		
9,900.00	7,065.39	7,075.02	7,074.86	92.73	30.26	-90.35	-3,703.25	1,015.06	4,525.64	4,420.08	105.56	42.874		
10,000.00	7,065.62	7,074.40	7,074.24	95.38	30.26	-90.34	-3,703.26	1,015.06	4,587.34	4,480.63	106.71	42.990		
10,100.00	7,065.85	7,073.78	7,073.62	98.04	30.25	-90.33	-3,703.27	1,015.05	4,650.37	4,542.55	107.81	43.133		
10,200.00	7,066.08	7,073.16	7,072.99	100.71	30.25	-90.32	-3,703.27	1,015.05	4,714.68	4,605.80	108.88	43.302		
10,300.00	7,066.31	7,072.54	7,072.37	103.39	30.25	-90.31	-3,703.28	1,015.04	4,780.21	4,670.31	109.90	43.495		
10,400.00	7,066.54	7,071.92	7,071.75	106.08	30.25	-90.30	-3,703.29	1,015.04	4,846.93	4,736.04	110.89	43.710		
10,500.00	7,066.77	7,071.30	7,071.13	108.78	30.24	-90.29	-3,703.29	1,015.03	4,914.77	4,802.94	111.83	43.948		
10,600.00	7,067.01	7,070.68	7,070.51	111.48	30.24	-90.28	-3,703.30	1,015.03	4,983.69	4,870.95	112.74	44.205		
10,700.00	7,067.24	7,070.06	7,069.89	114.20	30.24	-90.27	-3,703.31	1,015.02	5,053.66	4,940.05	113.61	44.482		
10,800.00	7,067.47	7,069.43	7,069.27	116.92	30.24	-90.26	-3,703.31	1,015.02	5,124.62	5,010.17	114.45	44.776		
10,900.00	7,067.70	7,068.81	7,068.65	119.65	30.23	-90.25	-3,703.32	1,015.01	5,196.54	5,081.28	115.25	45.088		
11,000.00	7,067.93	7,068.19	7,068.03	122.38	30.23	-90.24	-3,703.33	1,015.01	5,269.37	5,153.34	116.02	45.416		
11,100.00	7,068.16	7,067.57	7,067.41	125.12	30.23	-90.23	-3,703.33	1,015.00	5,343.08	5,226.32	116.76	45.759		
11,200.00	7,068.39	7,066.95	7,066.79	127.86	30.23	-90.22	-3,703.34	1,015.00	5,417.63	5,300.16	117.48	46.117		
11,300.00	7,068.62	7,066.33	7,066.17	130.61	30.22	-90.21	-3,703.35	1,014.99	5,493.00	5,374.84	118.16	46.489		
11,400.00	7,068.85	7,065.71	7,065.55	133.37	30.22	-90.20	-3,703.35	1,014.98	5,569.14	5,450.32	118.81	46.873		
11,500.00	7,069.08	7,065.09	7,064.93	136.12	30.22	-90.19	-3,703.36	1,014.98	5,646.02	5,526.58	119.44	47.270		
11,600.00	7,069.31	7,064.47	7,064.31	138.89	30.21	-90.18	-3,703.37	1,014.97	5,723.62	5,603.57	120.05	47.678		
11,700.00	7,069.54	7,063.85	7,063.69	141.65	30.21	-90.17	-3,703.37	1,014.97	5,801.90	5,681.27	120.63	48.098		
11,800.00	7,069.77	7,063.23	7,063.06	144.42	30.21	-90.16	-3,703.38	1,014.96	5,880.84	5,759.66	121.18	48.528		
11,900.00	7,070.00	7,062.61	7,062.44	147.19	30.21	-90.15	-3,703.39	1,014.96	5,960.41	5,838.69	121.72	48.968		
12,000.00	7,070.23	7,061.99	7,061.82	149.97	30.20	-90.14	-3,703.39	1,014.95	6,040.59	5,918.36	122.23	49.418		
12,100.00	7,070.46	7,061.37	7,061.20	152.75	30.20	-90.13	-3,703.40	1,014.95	6,121.36	5,998.63	122.73	49.877		
12,200.00	7,070.69	7,060.74	7,060.58	155.53	30.20	-90.12	-3,703.41	1,014.94	6,202.68	6,079.48	123.21	50.344		
12,300.00	7,070.92	7,060.12	7,059.96	158.32	30.20	-90.11	-3,703.41	1,014.94	6,284.55	6,160.88	123.66	50.819		
12,400.00	7,071.16	7,059.50	7,059.34	161.10	30.19	-90.10	-3,703.42	1,014.93	6,366.93	6,242.82	124.10	51.303		
12,500.00	7,071.39	7,058.88	7,058.72	163.89	30.19	-90.09	-3,703.43	1,014.93	6,449.81	6,325.28	124.53	51.794		
12,600.00	7,071.62	7,058.26	7,058.10	166.69	30.19	-90.08	-3,703.43	1,014.92	6,533.17	6,408.23	124.94	52.291		
12,700.00	7,071.85	7,057.64	7,057.48	169.48	30.19	-90.07	-3,703.44	1,014.92	6,616.99	6,491.65	125.33	52.796		
12,800.00	7,072.08	7,057.02	7,056.86	172.28	30.18	-90.06	-3,703.45	1,014.91	6,701.25	6,575.54	125.71	53.307		
12,900.00	7,072.31	7,056.40	7,056.24	175.08	30.18	-90.05	-3,703.46	1,014.91	6,785.94	6,659.86	126.08	53.824		
13,000.00	7,072.54	7,055.78	7,055.62	177.88	30.18	-90.04	-3,703.46	1,014.90	6,871.04	6,744.61	126.43	54.347		
13,100.00	7,072.77	7,055.16	7,055.00	180.68	30.18	-90.03	-3,703.47	1,014.90	6,956.54	6,829.77	126.77	54.876		
13,200.00	7,073.00	7,054.54	7,054.38	183.48	30.17	-90.02	-3,703.48	1,014.89	7,042.42	6,915.33	127.10	55.410		
13,300.00	7,073.23	7,053.92	7,053.75	186.29	30.17	-90.01	-3,703.48	1,014.89	7,128.67	7,001.26	127.41	55.949		
13,400.00	7,073.46	7,053.30	7,053.13	189.09	30.17	-90.00	-3,703.49	1,014.88	7,215.27	7,087.56	127.72	56.493		
13,500.00	7,073.69	7,052.68	7,052.51	191.90	30.17	-89.99	-3,703.50	1,014.87	7,302.22	7,174.21	128.01	57.042		
13,600.00	7,073.92	7,052.05	7,051.89	194.71	30.16	-89.98	-3,703.50	1,014.87	7,389.50	7,261.20	128.30	57.595		
13,700.00	7,074.15	7,051.43	7,051.27	197.52	30.16	-89.97	-3,703.51	1,014.86	7,477.09	7,348.51	128.58	58.153		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,050.81	7,050.65	200.34	30.16	-89.96	-3,703.52	1,014.86	7,564.99	7,436.15	128.84	58.714		
13,900.00	7,074.61	7,050.19	7,050.03	203.15	30.16	-89.95	-3,703.52	1,014.85	7,653.19	7,524.09	129.10	59.280		
14,000.00	7,074.84	7,049.57	7,049.41	205.97	30.15	-89.94	-3,703.53	1,014.85	7,741.68	7,612.33	129.35	59.849		
14,100.00	7,075.07	7,048.95	7,048.79	208.78	30.15	-89.93	-3,703.54	1,014.84	7,830.44	7,700.85	129.60	60.422		
14,200.00	7,075.30	7,048.33	7,048.17	211.60	30.15	-89.92	-3,703.54	1,014.84	7,919.47	7,789.64	129.83	60.998		
14,300.00	7,075.54	7,047.71	7,047.55	214.42	30.14	-89.91	-3,703.55	1,014.83	8,008.76	7,878.71	130.06	61.578		
14,400.00	7,075.77	7,047.09	7,046.93	217.24	30.14	-89.90	-3,703.56	1,014.83	8,098.30	7,968.02	130.28	62.161		
14,500.00	7,076.00	7,046.47	7,046.31	220.06	30.14	-89.89	-3,703.56	1,014.82	8,188.09	8,057.59	130.49	62.747		
14,600.00	7,076.23	7,045.85	7,045.69	222.88	30.14	-89.88	-3,703.57	1,014.82	8,278.10	8,147.40	130.70	63.336		
14,700.00	7,076.46	7,045.23	7,045.07	225.70	30.13	-89.87	-3,703.58	1,014.81	8,368.35	8,237.44	130.90	63.927		
14,800.00	7,076.69	7,044.61	7,044.45	228.53	30.13	-89.86	-3,703.58	1,014.81	8,458.81	8,327.71	131.10	64.521		
14,900.00	7,076.92	7,043.99	7,043.82	231.35	30.13	-89.85	-3,703.59	1,014.80	8,549.48	8,418.19	131.29	65.118		
15,000.00	7,077.15	7,043.36	7,043.20	234.18	30.13	-89.84	-3,703.60	1,014.80	8,640.36	8,508.89	131.48	65.717		
15,100.00	7,077.38	7,042.74	7,042.58	237.00	30.12	-89.83	-3,703.60	1,014.79	8,731.44	8,599.79	131.66	66.319		
15,200.00	7,077.61	7,042.12	7,041.96	239.83	30.12	-89.82	-3,703.61	1,014.79	8,822.72	8,690.88	131.83	66.923		
15,300.00	7,077.84	7,041.50	7,041.34	242.66	30.12	-89.81	-3,703.62	1,014.78	8,914.18	8,782.17	132.00	67.529		
15,400.00	7,078.07	7,040.88	7,040.72	245.49	30.12	-89.80	-3,703.62	1,014.78	9,005.82	8,873.65	132.17	68.137		
15,500.00	7,078.30	7,040.26	7,040.10	248.31	30.11	-89.79	-3,703.63	1,014.77	9,097.64	8,965.30	132.33	68.747		
15,600.00	7,078.53	7,039.64	7,039.48	251.14	30.11	-89.78	-3,703.64	1,014.76	9,189.63	9,057.13	132.49	69.360		
15,700.00	7,078.76	7,039.02	7,038.86	253.97	30.11	-89.77	-3,703.64	1,014.76	9,281.78	9,149.13	132.65	69.973		
15,800.00	7,078.99	7,038.40	7,038.24	256.80	30.11	-89.76	-3,703.65	1,014.75	9,374.10	9,241.30	132.80	70.589		
15,900.00	7,079.22	7,037.78	7,037.62	259.64	30.10	-89.75	-3,703.66	1,014.75	9,466.57	9,333.62	132.95	71.207		
16,000.00	7,079.45	7,037.16	7,037.00	262.47	30.10	-89.74	-3,703.67	1,014.74	9,559.19	9,426.10	133.09	71.826		
16,100.00	7,079.69	7,036.54	7,036.38	265.30	30.10	-89.73	-3,703.67	1,014.74	9,651.96	9,518.73	133.23	72.446		
16,200.00	7,079.92	7,035.92	7,035.76	268.13	30.10	-89.72	-3,703.68	1,014.73	9,744.87	9,611.51	133.37	73.068		
16,300.00	7,080.15	7,035.30	7,035.14	270.97	30.09	-89.71	-3,703.69	1,014.73	9,837.93	9,704.42	133.50	73.692		
16,400.00	7,080.38	7,034.67	7,034.51	273.80	30.09	-89.70	-3,703.69	1,014.72	9,931.11	9,797.48	133.63	74.317		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	140.29	-1,185.79	984.79	1,541.82					
100.00	100.00	69.43	69.43	3.28	3.28	140.29	-1,185.73	984.67	1,541.29	1,534.72	6.57	234.661		
200.00	200.00	173.95	173.95	3.34	3.32	140.30	-1,185.44	984.15	1,540.75	1,534.09	6.66	231.338		
300.00	300.00	271.85	271.85	3.44	3.42	140.31	-1,185.09	983.63	1,540.13	1,533.27	6.86	224.496		
400.00	399.98	374.40	374.40	3.60	3.56	44.88	-1,184.77	983.15	1,538.36	1,531.20	7.16	214.767		
500.00	499.84	477.06	477.05	3.80	3.76	45.09	-1,184.26	982.50	1,533.87	1,526.32	7.55	203.043		
600.00	599.45	576.58	576.57	4.04	3.98	45.42	-1,183.68	981.84	1,526.85	1,518.83	8.02	190.431		
700.00	698.70	677.18	677.16	4.31	4.24	45.90	-1,183.13	981.09	1,517.41	1,508.86	8.55	177.460		
800.00	797.47	777.98	777.96	4.62	4.53	46.52	-1,182.58	980.13	1,505.49	1,496.35	9.14	164.682		
900.00	895.62	875.25	875.22	4.97	4.83	47.28	-1,182.03	979.11	1,491.23	1,481.46	9.77	152.602		
980.89	974.49	954.44	954.40	5.27	5.08	47.99	-1,181.60	978.31	1,478.14	1,467.82	10.32	143.279		
1,000.00	993.07	973.27	973.23	5.34	5.14	48.13	-1,181.50	978.10	1,474.87	1,464.42	10.45	141.131		
1,100.00	1,090.26	1,069.64	1,069.60	5.75	5.47	48.83	-1,181.03	976.98	1,457.92	1,446.77	11.15	130.712		
1,200.00	1,187.45	1,165.73	1,165.68	6.17	5.80	49.53	-1,180.56	975.97	1,441.26	1,429.38	11.89	121.249		
1,300.00	1,284.64	1,264.85	1,264.79	6.62	6.16	50.27	-1,179.94	975.09	1,424.82	1,412.16	12.66	112.581		
1,400.00	1,381.83	1,361.93	1,361.87	7.07	6.52	51.01	-1,179.23	974.10	1,408.45	1,395.01	13.44	104.795		
1,500.00	1,479.01	1,458.20	1,458.13	7.54	6.88	51.77	-1,178.63	973.10	1,392.40	1,378.16	14.24	97.782		
1,600.00	1,576.20	1,554.16	1,554.08	8.02	7.24	52.53	-1,177.96	972.26	1,376.62	1,361.57	15.05	91.443		
1,700.00	1,673.39	1,649.23	1,649.15	8.50	7.61	53.30	-1,177.38	971.52	1,361.22	1,345.34	15.88	85.720		
1,800.00	1,770.58	1,746.60	1,746.52	8.99	7.99	54.12	-1,177.03	970.54	1,346.19	1,329.47	16.73	80.489		
1,900.00	1,867.77	1,841.04	1,840.94	9.48	8.36	54.92	-1,176.59	969.62	1,331.36	1,313.79	17.57	75.769		
2,000.00	1,964.96	1,930.29	1,930.19	9.98	8.71	55.69	-1,176.44	969.23	1,317.34	1,298.93	18.41	71.562		
2,100.00	2,062.15	2,022.62	2,022.52	10.49	9.08	56.50	-1,176.75	968.89	1,304.05	1,284.79	19.26	67.697		
2,200.00	2,159.34	2,117.31	2,117.21	10.99	9.45	57.36	-1,177.38	968.50	1,291.34	1,271.21	20.13	64.142		
2,300.00	2,256.53	2,214.20	2,214.09	11.50	9.84	58.25	-1,178.03	968.27	1,279.04	1,258.03	21.02	60.859		
2,400.00	2,353.71	2,311.51	2,311.41	12.01	10.23	59.17	-1,178.76	967.89	1,267.06	1,245.15	21.91	57.833		
2,500.00	2,450.90	2,408.65	2,408.55	12.53	10.63	60.11	-1,179.55	967.38	1,255.42	1,232.61	22.81	55.044		
2,600.00	2,548.09	2,504.41	2,504.30	13.04	11.02	61.04	-1,180.32	967.02	1,244.18	1,220.48	23.71	52.482		
2,700.00	2,645.28	2,602.04	2,601.93	13.56	11.42	62.01	-1,181.08	966.77	1,233.33	1,208.71	24.62	50.099		
2,800.00	2,742.47	2,696.84	2,696.72	14.08	11.80	62.96	-1,181.90	966.52	1,222.92	1,197.40	25.52	47.913		
2,900.00	2,839.66	2,796.74	2,796.61	14.60	12.21	63.98	-1,182.73	966.33	1,212.87	1,186.42	26.45	45.851		
3,000.00	2,936.85	2,890.81	2,890.68	15.12	12.60	64.95	-1,183.46	966.27	1,203.20	1,175.84	27.37	43.968		
3,100.00	3,034.04	2,988.74	2,988.61	15.65	13.01	65.97	-1,184.33	966.25	1,194.04	1,165.74	28.30	42.199		
3,200.00	3,131.22	3,086.07	3,085.94	16.17	13.41	67.00	-1,185.17	966.14	1,185.21	1,155.99	29.23	40.551		
3,300.00	3,228.41	3,186.63	3,186.50	16.69	13.83	68.09	-1,185.95	965.88	1,176.68	1,146.50	30.18	38.995		
3,400.00	3,325.60	3,282.87	3,282.73	17.22	14.23	69.14	-1,186.55	965.62	1,168.41	1,137.30	31.11	37.556		
3,500.00	3,422.79	3,374.77	3,374.62	17.75	14.61	70.16	-1,187.35	965.44	1,160.82	1,128.79	32.03	36.237		
3,600.00	3,519.98	3,460.05	3,459.90	18.27	14.96	71.12	-1,188.66	965.42	1,154.35	1,121.42	32.93	35.051		
3,700.00	3,617.17	3,546.95	3,546.77	18.80	15.33	72.10	-1,190.93	965.73	1,149.41	1,115.57	33.84	33.968		
3,800.00	3,714.36	3,640.29	3,640.05	19.33	15.72	73.14	-1,193.88	966.41	1,145.51	1,110.74	34.77	32.946		
3,900.00	3,811.55	3,738.32	3,738.03	19.86	16.13	74.24	-1,197.05	967.22	1,142.14	1,106.42	35.72	31.972		
4,000.00	3,908.74	3,838.48	3,838.14	20.39	16.55	75.38	-1,200.16	968.00	1,139.08	1,102.39	36.69	31.047		
4,100.00	4,005.92	3,938.48	3,938.10	20.92	16.97	76.52	-1,202.97	968.58	1,136.15	1,098.49	37.65	30.173		
4,200.00	4,103.11	4,036.66	4,036.24	21.45	17.39	77.66	-1,205.69	968.99	1,133.61	1,095.00	38.61	29.357		
4,300.00	4,200.30	4,136.96	4,136.50	21.98	17.81	78.82	-1,208.25	969.42	1,131.34	1,091.75	39.58	28.580		
4,400.00	4,297.49	4,236.66	4,236.18	22.51	18.23	79.98	-1,210.57	969.72	1,129.29	1,088.74	40.55	27.847		
4,500.00	4,394.68	4,336.22	4,335.72	23.04	18.65	81.15	-1,212.69	970.06	1,127.53	1,086.01	41.52	27.155		
4,600.00	4,491.87	4,435.88	4,435.36	23.57	19.07	82.33	-1,214.59	970.23	1,126.02	1,083.53	42.49	26.500		
4,700.00	4,589.06	4,533.40	4,532.86	24.10	19.48	83.50	-1,216.33	970.08	1,124.86	1,081.41	43.45	25.887		
4,800.00	4,686.25	4,630.17	4,629.62	24.64	19.89	84.67	-1,218.12	969.80	1,124.27	1,079.86	44.41	25.316		
4,900.00	4,783.43	4,729.98	4,729.41	25.17	20.31	85.87	-1,219.85	969.59	1,124.05	1,078.67	45.38	24.770		
4,960.92	4,842.64	4,791.54	4,790.96	25.49	20.57	86.60	-1,220.78	969.60	1,124.02	1,078.05	45.97	24.449		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,880.62	4,830.55	4,829.97	25.70	20.73	87.07	-1,221.30	969.67	1,124.04	1,077.69	46.35	24.250		
5,100.00	4,977.81	4,931.15	4,930.56	26.23	21.16	88.25	-1,222.52	970.14	1,124.27	1,076.94	47.32	23.757		
5,200.00	5,075.00	5,031.33	5,030.73	26.77	21.58	89.43	-1,223.34	970.47	1,124.59	1,076.30	48.29	23.286		
5,300.00	5,172.19	5,128.36	5,127.77	27.30	21.99	90.59	-1,224.13	970.42	1,125.43	1,076.18	49.25	22.852		
5,400.00	5,269.38	5,230.34	5,229.74	27.83	22.42	91.81	-1,224.64	970.38	1,126.45	1,076.23	50.22	22.429		
5,457.75	5,325.51	5,287.48	5,286.88	28.14	22.66	92.50	-1,224.79	970.34	1,127.14	1,076.36	50.78	22.198		
5,500.00	5,366.64	5,328.30	5,327.70	28.37	22.83	92.98	-1,224.88	970.27	1,127.71	1,076.54	51.18	22.036		
5,600.00	5,464.53	5,426.28	5,425.68	28.87	23.25	94.05	-1,225.13	969.83	1,129.32	1,077.22	52.10	21.676		
5,700.00	5,563.07	5,530.28	5,529.68	29.35	23.69	95.01	-1,224.97	968.97	1,130.67	1,077.65	53.02	21.324		
5,800.00	5,662.15	5,633.51	5,632.90	29.80	24.13	95.78	-1,224.36	968.08	1,131.53	1,077.62	53.91	20.988		
5,900.00	5,761.64	5,735.22	5,734.60	30.23	24.56	96.36	-1,223.40	967.13	1,131.86	1,077.09	54.77	20.666		
6,000.00	5,861.42	5,835.16	5,834.54	30.64	24.98	96.74	-1,222.44	966.41	1,131.83	1,076.23	55.60	20.358		
6,100.00	5,961.36	5,934.99	5,934.36	31.02	25.40	96.92	-1,221.46	965.79	1,131.36	1,074.96	56.40	20.059		
6,138.64	6,000.00	5,972.83	5,972.20	31.16	25.56	-167.54	-1,221.11	965.55	1,131.10	1,074.40	56.70	19.948		
6,200.00	6,061.36	6,039.61	6,038.97	31.38	25.85	-167.52	-1,220.44	965.11	1,130.59	1,073.39	57.20	19.765		
6,300.00	6,161.36	6,149.43	6,148.77	31.74	26.31	-167.45	-1,218.25	964.37	1,128.77	1,070.75	58.02	19.455		
6,400.00	6,261.36	6,256.68	6,255.97	32.10	26.77	-167.38	-1,215.54	963.43	1,126.51	1,067.68	58.83	19.149		
6,500.00	6,361.36	6,362.81	6,362.04	32.46	27.22	-167.31	-1,212.02	962.77	1,123.40	1,063.76	59.63	18.838		
6,562.02	6,423.38	6,422.28	6,421.48	32.68	27.47	-167.29	-1,210.06	962.90	1,121.38	1,061.27	60.11	18.655		
6,600.00	6,461.34	6,455.42	6,454.61	32.82	27.61	-77.15	-1,209.14	963.06	1,120.05	1,059.66	60.39	18.547		
6,650.00	6,511.08	6,498.84	6,498.02	32.99	27.79	-77.57	-1,208.16	963.35	1,117.80	1,057.05	60.75	18.400		
6,700.00	6,560.29	6,540.49	6,539.66	33.17	27.97	-78.19	-1,207.50	963.68	1,115.05	1,053.94	61.11	18.247		
6,750.00	6,608.64	6,581.36	6,580.53	33.36	28.14	-79.00	-1,207.14	964.02	1,111.93	1,050.46	61.47	18.089		
6,800.00	6,655.86	6,622.23	6,621.39	33.56	28.31	-80.00	-1,207.03	964.35	1,108.55	1,046.71	61.84	17.926		
6,850.00	6,701.64	6,662.76	6,661.93	33.78	28.48	-81.16	-1,207.11	964.57	1,105.03	1,042.80	62.23	17.758		
6,900.00	6,745.71	6,702.08	6,701.25	34.01	28.65	-82.43	-1,207.35	964.64	1,101.54	1,038.92	62.63	17.589		
6,950.00	6,787.79	6,743.29	6,742.46	34.27	28.82	-83.88	-1,207.68	964.64	1,098.21	1,035.16	63.05	17.417		
7,000.00	6,827.62	6,782.36	6,781.53	34.56	28.99	-85.38	-1,208.03	964.59	1,095.24	1,031.74	63.50	17.249		
7,050.00	6,864.96	6,818.24	6,817.40	34.87	29.14	-86.83	-1,208.37	964.51	1,092.89	1,028.94	63.95	17.090		
7,100.00	6,899.58	6,850.87	6,850.02	35.21	29.28	-88.19	-1,208.74	964.41	1,091.48	1,027.07	64.41	16.946		
7,132.72	6,920.66	6,870.78	6,869.93	35.46	29.37	-89.01	-1,209.00	964.32	1,091.20	1,026.48	64.72	16.859 CC		
7,150.00	6,931.26	6,880.81	6,879.97	35.60	29.41	-89.42	-1,209.14	964.28	1,091.29	1,026.40	64.89	16.819 ES		
7,200.00	6,959.81	6,908.47	6,907.62	36.02	29.53	-90.49	-1,209.55	964.14	1,092.54	1,027.17	65.37	16.712		
7,250.00	6,985.06	6,934.26	6,933.41	36.47	29.64	-91.39	-1,209.93	964.00	1,095.44	1,029.57	65.87	16.629		
7,300.00	7,006.84	6,956.57	6,955.72	36.97	29.73	-92.01	-1,210.26	963.87	1,100.18	1,033.80	66.37	16.575		
7,350.00	7,025.02	6,975.26	6,974.41	37.51	29.81	-92.31	-1,210.53	963.76	1,106.91	1,040.04	66.87	16.554 SF		
7,400.00	7,039.49	6,990.22	6,989.36	38.09	29.87	-92.25	-1,210.74	963.67	1,115.75	1,048.40	67.35	16.567		
7,450.00	7,050.17	7,001.34	7,000.48	38.70	29.92	-91.80	-1,210.90	963.61	1,126.73	1,058.93	67.80	16.618		
7,500.00	7,056.98	7,008.56	7,007.70	39.33	29.95	-90.95	-1,211.00	963.56	1,139.85	1,071.62	68.23	16.707		
7,550.00	7,059.89	7,011.47	7,010.61	39.99	29.96	-89.67	-1,211.04	963.55	1,155.02	1,086.41	68.61	16.834		
7,560.55	7,060.00	7,011.64	7,010.78	40.13	29.97	-89.35	-1,211.05	963.55	1,158.47	1,089.78	68.69	16.866		
7,600.00	7,060.09	7,011.96	7,011.10	40.67	29.97	-89.37	-1,211.05	963.54	1,172.12	1,103.15	68.97	16.996		
7,700.00	7,060.32	7,012.77	7,011.91	42.14	29.97	-89.41	-1,211.06	963.54	1,211.80	1,142.14	69.65	17.398		
7,800.00	7,060.55	7,013.58	7,012.72	43.75	29.97	-89.46	-1,211.07	963.53	1,258.19	1,187.90	70.29	17.901		
7,900.00	7,060.78	7,014.39	7,013.53	45.48	29.98	-89.50	-1,211.08	963.53	1,310.58	1,239.72	70.86	18.495		
8,000.00	7,061.01	7,015.19	7,014.33	47.33	29.98	-89.54	-1,211.10	963.53	1,368.29	1,296.92	71.37	19.171		
8,100.00	7,061.24	7,015.99	7,015.13	49.27	29.98	-89.58	-1,211.11	963.52	1,430.66	1,358.85	71.82	19.921		
8,200.00	7,061.47	7,016.79	7,015.93	51.29	29.99	-89.62	-1,211.12	963.52	1,497.12	1,424.92	72.20	20.736		
8,300.00	7,061.70	7,017.58	7,016.72	53.40	29.99	-89.67	-1,211.13	963.51	1,567.15	1,494.62	72.53	21.607		
8,400.00	7,061.93	7,018.38	7,017.52	55.57	29.99	-89.71	-1,211.14	963.51	1,640.28	1,567.47	72.81	22.528		
8,500.00	7,062.16	7,019.17	7,018.31	57.80	30.00	-89.75	-1,211.15	963.50	1,716.13	1,643.08	73.05	23.492		
8,600.00	7,062.39	7,019.96	7,019.10	60.08	30.00	-89.79	-1,211.16	963.50	1,794.35	1,721.09	73.26	24.494		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,062.63	7,020.74	7,019.88	62.42	30.00	-89.83	-1,211.18	963.49	1,874.64	1,801.21	73.43	25.530		
8,800.00	7,062.86	7,021.53	7,020.67	64.79	30.01	-89.87	-1,211.19	963.49	1,956.74	1,883.16	73.58	26.594		
8,900.00	7,063.09	7,022.31	7,021.45	67.20	30.01	-89.91	-1,211.20	963.48	2,040.44	1,966.74	73.71	27.684		
9,000.00	7,063.32	7,023.09	7,022.22	69.65	30.01	-89.95	-1,211.21	963.48	2,125.55	2,051.74	73.82	28.796		
9,100.00	7,063.55	7,023.86	7,023.00	72.12	30.02	-89.99	-1,211.22	963.48	2,211.91	2,138.00	73.91	29.927		
9,200.00	7,063.78	7,024.64	7,023.78	74.63	30.02	-90.03	-1,211.23	963.47	2,299.37	2,225.38	73.99	31.076		
9,300.00	7,064.01	7,025.41	7,024.55	77.16	30.02	-90.08	-1,211.24	963.47	2,387.82	2,313.76	74.06	32.240		
9,400.00	7,064.24	7,026.18	7,025.32	79.71	30.03	-90.12	-1,211.25	963.46	2,477.15	2,403.02	74.13	33.418		
9,500.00	7,064.47	7,026.95	7,026.08	82.28	30.03	-90.16	-1,211.26	963.46	2,567.26	2,493.08	74.18	34.608		
9,600.00	7,064.70	7,027.71	7,026.85	84.87	30.03	-90.20	-1,211.27	963.45	2,658.08	2,583.85	74.23	35.808		
9,700.00	7,064.93	7,028.47	7,027.61	87.47	30.04	-90.24	-1,211.29	963.45	2,749.53	2,675.26	74.28	37.018		
9,800.00	7,065.16	7,029.23	7,028.37	90.09	30.04	-90.28	-1,211.30	963.44	2,841.57	2,767.25	74.32	38.236		
9,900.00	7,065.39	7,029.99	7,029.13	92.73	30.04	-90.32	-1,211.31	963.44	2,934.12	2,859.77	74.35	39.461		
10,000.00	7,065.62	7,030.75	7,029.88	95.38	30.05	-90.35	-1,211.32	963.44	3,027.15	2,952.76	74.39	40.693		
10,100.00	7,065.85	7,031.50	7,030.64	98.04	30.05	-90.39	-1,211.33	963.43	3,120.61	3,046.18	74.42	41.931		
10,200.00	7,066.08	7,032.25	7,031.39	100.71	30.05	-90.43	-1,211.34	963.43	3,214.46	3,140.01	74.45	43.175		
10,300.00	7,066.31	7,033.00	7,032.14	103.39	30.06	-90.47	-1,211.35	963.42	3,308.67	3,234.19	74.48	44.423		
10,400.00	7,066.54	7,033.74	7,032.88	106.08	30.06	-90.51	-1,211.36	963.42	3,403.21	3,328.70	74.51	45.675		
10,500.00	7,066.77	7,034.49	7,033.63	108.78	30.06	-90.55	-1,211.37	963.42	3,498.06	3,423.52	74.54	46.931		
10,600.00	7,067.01	7,035.23	7,034.37	111.48	30.07	-90.59	-1,211.38	963.41	3,593.18	3,518.62	74.56	48.189		
10,700.00	7,067.24	7,035.97	7,035.11	114.20	30.07	-90.63	-1,211.39	963.41	3,688.56	3,613.97	74.59	49.451		
10,800.00	7,067.47	7,036.71	7,035.84	116.92	30.07	-90.67	-1,211.40	963.40	3,784.18	3,709.57	74.62	50.715		
10,900.00	7,067.70	7,037.44	7,036.58	119.65	30.08	-90.71	-1,211.41	963.40	3,880.03	3,805.38	74.64	51.982		
11,000.00	7,067.93	7,038.18	7,037.31	122.38	30.08	-90.74	-1,211.43	963.40	3,976.07	3,901.40	74.67	53.250		
11,100.00	7,068.16	7,038.91	7,038.04	125.12	30.08	-90.78	-1,211.44	963.39	4,072.31	3,997.61	74.69	54.519		
11,200.00	7,068.39	7,039.64	7,038.77	127.86	30.08	-90.82	-1,211.45	963.39	4,168.72	4,094.00	74.72	55.790		
11,300.00	7,068.62	7,040.36	7,039.50	130.61	30.09	-90.86	-1,211.46	963.38	4,265.30	4,190.55	74.75	57.062		
11,400.00	7,068.85	7,041.09	7,040.22	133.37	30.09	-90.90	-1,211.47	963.38	4,362.03	4,287.26	74.78	58.335		
11,500.00	7,069.08	7,041.81	7,040.95	136.12	30.09	-90.93	-1,211.48	963.38	4,458.91	4,384.10	74.80	59.608		
11,600.00	7,069.31	7,042.53	7,041.67	138.89	30.10	-90.97	-1,211.49	963.37	4,555.92	4,481.09	74.83	60.882		
11,700.00	7,069.54	7,043.25	7,042.38	141.65	30.10	-91.01	-1,211.50	963.37	4,653.06	4,578.20	74.86	62.156		
11,800.00	7,069.77	7,043.96	7,043.10	144.42	30.10	-91.05	-1,211.51	963.36	4,750.31	4,675.42	74.89	63.430		
11,900.00	7,070.00	7,044.68	7,043.81	147.19	30.11	-91.08	-1,211.52	963.36	4,847.68	4,772.76	74.92	64.704		
12,000.00	7,070.23	7,045.39	7,044.52	149.97	30.11	-91.12	-1,211.53	963.36	4,945.15	4,870.20	74.95	65.977		
12,100.00	7,070.46	7,046.10	7,045.23	152.75	30.11	-91.16	-1,211.54	963.35	5,042.73	4,967.74	74.98	67.251		
12,200.00	7,070.69	7,046.81	7,045.94	155.53	30.11	-91.20	-1,211.55	963.35	5,140.39	5,065.37	75.02	68.523		
12,300.00	7,070.92	7,047.51	7,046.65	158.32	30.12	-91.23	-1,211.56	963.35	5,238.14	5,163.09	75.05	69.796		
12,400.00	7,071.16	7,048.21	7,047.35	161.10	30.12	-91.27	-1,211.57	963.34	5,335.98	5,260.90	75.08	71.067		
12,500.00	7,071.39	7,048.92	7,048.05	163.89	30.12	-91.31	-1,211.58	963.34	5,433.90	5,358.78	75.12	72.338		
12,600.00	7,071.62	7,049.62	7,048.75	166.69	30.13	-91.34	-1,211.59	963.33	5,531.88	5,456.73	75.15	73.608		
12,700.00	7,071.85	7,050.31	7,049.45	169.48	30.13	-91.38	-1,211.60	963.33	5,629.94	5,554.75	75.19	74.876		
12,800.00	7,072.08	7,051.01	7,050.14	172.28	30.13	-91.42	-1,211.61	963.33	5,728.07	5,652.84	75.23	76.144		
12,900.00	7,072.31	7,051.70	7,050.84	175.08	30.14	-91.45	-1,211.62	963.32	5,826.26	5,751.00	75.26	77.410		
13,000.00	7,072.54	7,052.39	7,051.53	177.88	30.14	-91.49	-1,211.63	963.32	5,924.51	5,849.21	75.30	78.675		
13,100.00	7,072.77	7,053.08	7,052.22	180.68	30.14	-91.52	-1,211.64	963.32	6,022.82	5,947.48	75.34	79.939		
13,200.00	7,073.00	7,053.77	7,052.90	183.48	30.14	-91.56	-1,211.65	963.31	6,121.18	6,045.80	75.38	81.201		
13,300.00	7,073.23	7,054.45	7,053.59	186.29	30.15	-91.60	-1,211.66	963.31	6,219.60	6,144.18	75.42	82.461		
13,400.00	7,073.46	7,055.14	7,054.27	189.09	30.15	-91.63	-1,211.67	963.31	6,318.07	6,242.60	75.47	83.720		
13,500.00	7,073.69	7,055.82	7,054.95	191.90	30.15	-91.67	-1,211.68	963.30	6,416.58	6,341.07	75.51	84.978		
13,600.00	7,073.92	7,056.50	7,055.63	194.71	30.16	-91.70	-1,211.69	963.30	6,515.14	6,439.58	75.55	86.233		
13,700.00	7,074.15	7,057.18	7,056.31	197.52	30.16	-91.74	-1,211.70	963.29	6,613.74	6,538.14	75.60	87.487		
13,800.00	7,074.38	7,057.85	7,056.99	200.34	30.16	-91.77	-1,211.71	963.29	6,712.38	6,636.74	75.64	88.739		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.61	7,058.53	7,057.66	203.15	30.16	-91.81	-1,211.72	963.29	6,811.06	6,735.37	75.69	89.988		
14,000.00	7,074.84	7,059.20	7,058.33	205.97	30.17	-91.84	-1,211.73	963.28	6,909.78	6,834.04	75.74	91.236		
14,100.00	7,075.07	7,059.87	7,059.00	208.78	30.17	-91.88	-1,211.74	963.28	7,008.54	6,932.75	75.78	92.482		
14,200.00	7,075.30	7,060.54	7,059.67	211.60	30.17	-91.91	-1,211.75	963.28	7,107.33	7,031.49	75.83	93.726		
14,300.00	7,075.54	7,061.20	7,060.33	214.42	30.18	-91.95	-1,211.76	963.27	7,206.15	7,130.27	75.88	94.967		
14,400.00	7,075.77	7,061.87	7,061.00	217.24	30.18	-91.98	-1,211.77	963.27	7,305.01	7,229.07	75.93	96.206		
14,500.00	7,076.00	7,062.53	7,061.66	220.06	30.18	-92.02	-1,211.78	963.27	7,403.89	7,327.91	75.98	97.443		
14,600.00	7,076.23	7,063.19	7,062.32	222.88	30.18	-92.05	-1,211.79	963.26	7,502.81	7,426.77	76.03	98.678		
14,700.00	7,076.46	7,063.85	7,062.98	225.70	30.19	-92.09	-1,211.80	963.26	7,601.75	7,525.67	76.09	99.910		
14,800.00	7,076.69	7,064.50	7,063.64	228.53	30.19	-92.12	-1,211.81	963.26	7,700.72	7,624.58	76.14	101.140		
14,900.00	7,076.92	7,065.16	7,064.29	231.35	30.19	-92.16	-1,211.82	963.25	7,799.72	7,723.53	76.19	102.368		
15,000.00	7,077.15	7,065.81	7,064.94	234.18	30.20	-92.19	-1,211.83	963.25	7,898.74	7,822.50	76.25	103.592		
15,100.00	7,077.38	7,066.46	7,065.60	237.00	30.20	-92.22	-1,211.84	963.25	7,997.79	7,921.49	76.30	104.815		
15,200.00	7,077.61	7,067.11	7,066.24	239.83	30.20	-92.26	-1,211.85	963.24	8,096.86	8,020.50	76.36	106.035		
15,300.00	7,077.84	7,067.76	7,066.89	242.66	30.20	-92.29	-1,211.86	963.24	8,195.95	8,119.54	76.42	107.252		
15,400.00	7,078.07	7,068.40	7,067.54	245.49	30.21	-92.33	-1,211.87	963.24	8,295.07	8,218.59	76.48	108.467		
15,500.00	7,078.30	7,069.05	7,068.18	248.31	30.21	-92.36	-1,211.88	963.23	8,394.20	8,317.67	76.53	109.679		
15,600.00	7,078.53	7,069.69	7,068.82	251.14	30.21	-92.39	-1,211.89	963.23	8,493.36	8,416.77	76.59	110.888		
15,700.00	7,078.76	7,070.33	7,069.46	253.97	30.22	-92.43	-1,211.89	963.23	8,592.53	8,515.88	76.65	112.094		
15,800.00	7,078.99	7,070.97	7,070.10	256.80	30.22	-92.46	-1,211.90	963.23	8,691.73	8,615.01	76.72	113.298		
15,900.00	7,079.22	7,071.61	7,070.74	259.64	30.22	-92.49	-1,211.91	963.22	8,790.94	8,714.16	76.78	114.499		
16,000.00	7,079.45	7,072.24	7,071.37	262.47	30.22	-92.53	-1,211.92	963.22	8,890.17	8,813.33	76.84	115.697		
16,100.00	7,079.69	7,072.87	7,072.01	265.30	30.23	-92.56	-1,211.93	963.22	8,989.42	8,912.51	76.90	116.892		
16,200.00	7,079.92	7,073.51	7,072.64	268.13	30.23	-92.59	-1,211.94	963.21	9,088.68	9,011.71	76.97	118.084		
16,300.00	7,080.15	7,074.14	7,073.27	270.97	30.23	-92.62	-1,211.95	963.21	9,187.96	9,110.93	77.03	119.273		
16,400.00	7,080.38	7,074.76	7,073.90	273.80	30.23	-92.66	-1,211.96	963.21	9,287.26	9,210.16	77.10	120.460		
16,500.00	7,080.61	7,075.39	7,074.52	276.64	30.24	-92.69	-1,211.97	963.20	9,386.57	9,309.40	77.16	121.643		
16,600.00	7,080.84	7,076.01	7,075.15	279.47	30.24	-92.72	-1,211.98	963.20	9,485.89	9,408.66	77.23	122.823		
16,700.00	7,081.07	7,076.64	7,075.77	282.31	30.24	-92.76	-1,211.99	963.20	9,585.23	9,507.93	77.30	124.001		
16,800.00	7,081.30	7,077.26	7,076.39	285.14	30.24	-92.79	-1,212.00	963.19	9,684.58	9,607.21	77.37	125.175		
16,900.00	7,081.53	7,077.88	7,077.01	287.98	30.25	-92.82	-1,212.01	963.19	9,783.94	9,706.51	77.44	126.346		
17,000.00	7,081.76	7,078.50	7,077.63	290.82	30.25	-92.85	-1,212.01	963.19	9,883.32	9,805.81	77.51	127.514		
17,100.00	7,081.99	7,079.11	7,078.24	293.65	30.25	-92.88	-1,212.02	963.19	9,982.71	9,905.13	77.58	128.679		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	81.63	137.73	936.35	947.15					
100.00	100.00	65.37	65.37	3.28	3.28	81.63	137.79	936.26	946.35	939.78	6.57	144.090		
200.00	200.00	168.01	168.01	3.34	3.32	81.61	138.06	935.79	945.94	939.28	6.66	142.116		
300.00	300.00	267.13	267.12	3.44	3.41	81.59	138.26	935.23	945.40	938.55	6.85	137.921		
400.00	399.98	363.20	363.19	3.60	3.54	-13.96	138.34	934.96	943.45	936.31	7.14	132.074		
500.00	499.84	457.15	457.14	3.80	3.71	-14.05	138.37	935.21	938.64	931.13	7.51	124.963		
600.00	599.45	548.25	548.24	4.04	3.91	-14.19	138.18	936.18	931.20	923.25	7.95	117.160		
700.00	698.70	640.14	640.10	4.31	4.14	-14.37	137.85	938.11	921.39	912.94	8.45	109.033		
800.00	797.47	736.05	735.99	4.62	4.41	-14.62	137.38	940.65	908.76	899.74	9.02	100.761		
900.00	895.62	832.84	832.73	4.97	4.70	-14.93	136.70	943.50	893.04	883.41	9.64	92.654		
980.89	974.49	911.43	911.28	5.27	4.96	-15.25	136.14	945.96	878.06	867.89	10.17	86.316		
1,000.00	993.07	930.97	930.81	5.34	5.02	-15.31	135.99	946.57	874.26	863.96	10.31	84.820		
1,100.00	1,090.26	1,030.99	1,030.78	5.75	5.35	-15.64	134.98	949.46	854.15	843.14	11.00	77.616		
1,200.00	1,187.45	1,126.90	1,126.64	6.17	5.69	-15.95	133.90	952.33	834.15	822.43	11.72	71.176		
1,300.00	1,284.64	1,224.84	1,224.53	6.62	6.04	-16.31	133.00	955.38	814.32	801.85	12.46	65.331		
1,400.00	1,381.83	1,325.54	1,325.19	7.07	6.41	-16.69	131.99	958.26	794.26	781.03	13.24	59.999		
1,500.00	1,479.01	1,423.82	1,423.43	7.54	6.77	-17.10	131.29	960.81	774.04	760.02	14.02	55.206		
1,600.00	1,576.20	1,521.54	1,521.11	8.02	7.14	-17.55	130.74	963.37	753.91	739.10	14.82	50.882		
1,700.00	1,673.39	1,624.37	1,623.91	8.50	7.53	-18.05	130.19	965.72	733.53	717.89	15.64	46.904		
1,800.00	1,770.58	1,730.38	1,729.92	8.99	7.94	-18.61	129.55	966.98	712.12	695.64	16.48	43.220		
1,900.00	1,867.77	1,830.96	1,830.50	9.48	8.33	-19.18	128.74	967.40	689.99	672.69	17.31	39.866		
2,000.00	1,964.96	1,928.29	1,927.82	9.98	8.71	-19.76	127.83	967.61	667.72	649.58	18.14	36.809		
2,100.00	2,062.15	2,025.16	2,024.69	10.49	9.10	-20.41	127.24	967.87	645.65	626.67	18.98	34.018		
2,200.00	2,159.34	2,124.53	2,124.05	10.99	9.49	-21.11	126.50	967.90	623.39	603.56	19.83	31.437		
2,300.00	2,256.53	2,220.69	2,220.21	11.50	9.88	-21.84	125.80	967.90	601.22	580.53	20.68	29.069		
2,400.00	2,353.71	2,317.05	2,316.57	12.01	10.27	-22.63	125.19	968.02	579.28	557.73	21.54	26.890		
2,500.00	2,450.90	2,412.67	2,412.19	12.53	10.65	-23.52	124.99	968.26	557.70	535.29	22.41	24.886		
2,600.00	2,548.09	2,509.63	2,509.14	13.04	11.05	-24.51	125.09	968.58	536.43	513.15	23.29	23.035		
2,700.00	2,645.28	2,608.15	2,607.67	13.56	11.45	-25.61	125.16	968.82	515.24	491.07	24.17	21.316		
2,800.00	2,742.47	2,707.32	2,706.83	14.08	11.85	-26.79	125.03	968.78	493.92	468.86	25.06	19.710		
2,900.00	2,839.66	2,806.06	2,805.58	14.60	12.26	-28.08	124.77	968.41	472.46	446.51	25.95	18.205		
3,000.00	2,936.85	2,904.75	2,904.26	15.12	12.66	-29.44	124.02	967.87	450.91	424.05	26.85	16.793		
3,100.00	3,034.04	3,002.83	3,002.33	15.65	13.07	-30.85	122.66	967.30	429.32	401.56	27.76	15.467		
3,200.00	3,131.22	3,096.68	3,096.17	16.17	13.46	-32.38	121.71	966.87	408.27	379.59	28.68	14.234		
3,300.00	3,228.41	3,193.94	3,193.43	16.69	13.86	-34.16	121.13	966.63	387.95	358.33	29.61	13.101		
3,400.00	3,325.60	3,289.21	3,288.69	17.22	14.26	-36.07	120.47	966.68	368.22	337.66	30.56	12.049		
3,500.00	3,422.79	3,384.46	3,383.94	17.75	14.65	-38.14	119.91	967.30	349.50	317.98	31.52	11.088		
3,600.00	3,519.98	3,478.85	3,478.32	18.27	15.05	-40.34	119.40	968.69	331.99	299.49	32.49	10.217		
3,700.00	3,617.17	3,578.16	3,577.61	18.80	15.46	-42.78	118.57	970.84	315.43	281.96	33.47	9.426		
3,800.00	3,714.36	3,679.20	3,678.61	19.33	15.89	-45.45	116.73	972.52	298.49	264.05	34.44	8.667		
3,900.00	3,811.55	3,775.56	3,774.96	19.86	16.29	-48.49	115.35	973.15	281.73	246.28	35.45	7.947		
4,000.00	3,908.74	3,872.59	3,871.98	20.39	16.70	-52.04	114.74	973.67	266.37	229.89	36.48	7.302		
4,100.00	4,005.92	3,968.82	3,968.22	20.92	17.10	-56.10	114.66	973.79	252.32	214.79	37.53	6.723		
4,200.00	4,103.11	4,066.72	4,066.12	21.45	17.51	-60.66	114.75	974.11	239.98	201.39	38.59	6.219		
4,300.00	4,200.30	4,164.75	4,164.15	21.98	17.92	-65.70	114.50	974.07	228.86	189.22	39.64	5.773		
4,400.00	4,297.49	4,263.00	4,262.40	22.51	18.34	-71.25	114.04	973.75	219.42	178.73	40.69	5.392		
4,500.00	4,394.68	4,360.92	4,360.31	23.04	18.75	-77.23	113.11	973.13	211.71	169.99	41.72	5.074		
4,600.00	4,491.87	4,460.27	4,459.65	23.57	19.17	-83.64	111.64	972.45	206.02	163.31	42.71	4.824		
4,700.00	4,589.06	4,560.99	4,560.31	24.10	19.59	-90.49	108.57	971.31	201.49	157.86	43.64	4.618		
4,800.00	4,686.25	4,661.12	4,660.31	24.64	20.02	-97.65	103.72	969.71	198.17	153.67	44.50	4.453		
4,899.22	4,782.68	4,758.49	4,757.48	25.16	20.43	-104.76	97.77	968.22	196.77	151.47	45.30	4.344		
4,900.00	4,783.43	4,759.24	4,758.24	25.17	20.43	-104.81	97.73	968.21	196.77	151.47	45.30	4.344		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,880.62	4,856.06	4,854.86	25.70	20.85	-111.70	91.71	967.38	198.31	152.26	46.04	4.307		
5,100.00	4,977.81	4,951.97	4,950.60	26.23	21.25	-118.25	86.08	966.78	203.06	156.33	46.73	4.345		
5,200.00	5,075.00	5,046.81	5,045.31	26.77	21.66	-124.36	81.20	965.85	211.30	163.94	47.36	4.461		
5,300.00	5,172.19	5,141.48	5,139.91	27.30	22.06	-129.77	77.60	964.99	222.98	175.00	47.98	4.647		
5,400.00	5,269.38	5,235.96	5,234.35	27.83	22.46	-134.51	75.02	963.97	237.52	188.92	48.60	4.887		
5,457.75	5,325.51	5,290.11	5,288.49	28.14	22.69	-136.90	74.14	963.29	247.16	198.20	48.96	5.048		
5,500.00	5,366.64	5,330.34	5,328.71	28.37	22.86	-138.59	73.75	962.74	254.47	205.23	49.24	5.168		
5,600.00	5,464.53	5,425.95	5,424.30	28.87	23.26	-141.89	73.17	961.21	271.01	221.09	49.92	5.429		
5,700.00	5,563.07	5,521.06	5,519.40	29.35	23.66	-144.28	73.65	959.34	286.45	235.85	50.60	5.661		
5,800.00	5,662.15	5,618.55	5,616.85	29.80	24.07	-145.95	75.25	957.25	300.25	248.90	51.35	5.848		
5,900.00	5,761.64	5,721.09	5,719.36	30.23	24.50	-147.18	76.51	955.34	310.87	258.66	52.21	5.954		
6,000.00	5,861.42	5,823.89	5,822.15	30.64	24.93	-148.15	76.22	953.55	317.64	264.57	53.07	5.985		
6,100.00	5,961.36	5,926.32	5,924.56	31.02	25.37	-148.76	75.12	952.43	320.50	266.59	53.92	5.945		
6,138.64	6,000.00	5,964.94	5,963.18	31.16	25.53	-53.38	74.62	952.09	320.70	266.48	54.22	5.915		
6,200.00	6,061.36	6,026.24	6,024.47	31.38	25.79	-53.57	73.78	951.51	320.67	265.97	54.70	5.862		
6,247.91	6,109.27	6,074.04	6,072.27	31.55	25.99	-53.69	73.24	951.12	320.66	265.59	55.08	5.822		
6,300.00	6,161.36	6,126.03	6,124.26	31.74	26.22	-53.79	72.78	950.77	320.67	265.18	55.49	5.779		
6,400.00	6,261.36	6,225.87	6,224.08	32.10	26.64	-53.99	71.92	950.07	320.73	264.46	56.28	5.699		
6,500.00	6,361.36	6,325.77	6,323.98	32.46	27.06	-54.22	70.92	949.21	320.84	263.77	57.07	5.622		
6,562.02	6,423.38	6,387.77	6,385.98	32.68	27.33	-54.36	70.33	948.69	320.91	263.36	57.56	5.575		
6,600.00	6,461.34	6,425.94	6,424.14	32.82	27.49	36.02	69.98	948.40	320.04	262.17	57.86	5.531		
6,650.00	6,511.08	6,476.10	6,474.30	32.99	27.70	36.66	69.51	948.05	316.05	257.78	58.27	5.424		
6,700.00	6,560.29	6,525.47	6,523.66	33.17	27.91	37.93	69.02	947.77	308.93	250.25	58.68	5.265		
6,750.00	6,608.64	6,573.75	6,571.95	33.36	28.12	39.89	68.60	947.51	298.89	239.80	59.10	5.058		
6,800.00	6,655.86	6,620.89	6,619.08	33.56	28.32	42.65	68.23	947.26	286.20	226.67	59.54	4.807		
6,850.00	6,701.64	6,666.63	6,664.81	33.78	28.51	46.31	67.85	946.96	271.24	211.23	60.01	4.520		
6,900.00	6,745.71	6,710.66	6,708.84	34.01	28.70	50.99	67.45	946.61	254.52	193.97	60.55	4.203		
6,950.00	6,787.79	6,752.57	6,750.75	34.27	28.88	56.80	67.07	946.19	236.83	175.65	61.18	3.871		
7,000.00	6,827.62	6,792.40	6,790.57	34.56	29.04	63.74	66.75	945.73	219.25	157.30	61.94	3.539		
7,050.00	6,864.96	6,830.07	6,828.25	34.87	29.20	71.64	66.45	945.23	203.24	140.37	62.87	3.233		
7,100.00	6,899.58	6,865.20	6,863.37	35.21	29.35	80.02	66.16	944.72	190.80	126.88	63.91	2.985		
7,150.00	6,931.26	6,897.51	6,895.67	35.60	29.49	88.18	65.88	944.22	184.30	119.38	64.92	2.839		
7,165.99	6,940.74	6,907.21	6,905.37	35.73	29.53	90.62	65.80	944.06	183.86	118.67	65.19	2.820 CC, ES, SF		
7,200.00	6,959.81	6,926.56	6,924.71	36.02	29.61	95.36	65.64	943.77	185.98	120.36	65.62	2.834		
7,250.00	6,985.06	6,952.23	6,950.38	36.47	29.72	101.06	65.44	943.40	197.05	131.21	65.84	2.993		
7,300.00	7,006.84	6,974.40	6,972.55	36.97	29.82	104.99	65.28	943.11	217.24	151.59	65.64	3.309		
7,350.00	7,025.02	6,992.94	6,991.09	37.51	29.90	107.04	65.16	942.88	245.14	179.93	65.21	3.759		
7,400.00	7,039.49	7,007.81	7,005.96	38.09	29.96	107.10	65.07	942.71	279.04	214.32	64.72	4.312		
7,450.00	7,050.17	7,018.89	7,017.04	38.70	30.01	105.04	65.00	942.59	317.37	253.11	64.25	4.939		
7,500.00	7,056.98	7,026.11	7,024.26	39.33	30.04	100.61	64.95	942.52	358.87	295.03	63.85	5.621		
7,550.00	7,059.89	7,029.45	7,027.60	39.99	30.05	93.59	64.93	942.48	402.56	339.06	63.50	6.340		
7,560.55	7,060.00	7,029.67	7,027.81	40.13	30.05	91.77	64.93	942.48	411.99	348.55	63.43	6.495		
7,600.00	7,060.09	7,030.13	7,028.28	40.67	30.05	91.92	64.92	942.48	447.67	384.46	63.21	7.082		
7,700.00	7,060.32	7,031.31	7,029.46	42.14	30.06	92.29	64.92	942.47	540.47	477.68	62.79	8.607		
7,800.00	7,060.55	7,032.47	7,030.62	43.75	30.06	92.65	64.91	942.45	635.46	572.95	62.51	10.165		
7,900.00	7,060.78	7,033.62	7,031.77	45.48	30.07	93.01	64.90	942.44	731.79	669.47	62.32	11.743		
8,000.00	7,061.01	7,034.75	7,032.90	47.33	30.07	93.36	64.89	942.43	828.98	766.80	62.17	13.333		
8,100.00	7,061.24	7,035.88	7,034.02	49.27	30.08	93.71	64.89	942.42	926.77	864.70	62.07	14.932		
8,200.00	7,061.47	7,036.99	7,035.13	51.29	30.08	94.06	64.88	942.41	1,024.98	962.99	61.99	16.536		
8,300.00	7,061.70	7,038.08	7,036.23	53.40	30.09	94.40	64.87	942.40	1,123.51	1,061.58	61.92	18.143		
8,400.00	7,061.93	7,039.17	7,037.32	55.57	30.09	94.74	64.86	942.39	1,222.28	1,160.40	61.88	19.753		
8,500.00	7,062.16	7,040.24	7,038.39	57.80	30.10	95.07	64.86	942.38	1,321.23	1,259.39	61.84	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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,062.39	7,041.31	7,039.45	60.08	30.10	95.40	64.85	942.37	1,420.32	1,358.51	61.81	22.978		
8,700.00	7,062.63	7,042.36	7,040.50	62.42	30.11	95.73	64.84	942.36	1,519.54	1,457.75	61.79	24.592		
8,800.00	7,062.86	7,043.40	7,041.54	64.79	30.11	96.05	64.83	942.35	1,618.85	1,557.07	61.78	26.206		
8,900.00	7,063.09	7,044.43	7,042.57	67.20	30.11	96.37	64.83	942.34	1,718.24	1,656.47	61.76	27.819		
9,000.00	7,063.32	7,045.44	7,043.59	69.65	30.12	96.69	64.82	942.33	1,817.69	1,755.93	61.76	29.432		
9,100.00	7,063.55	7,046.45	7,044.60	72.12	30.12	97.00	64.81	942.33	1,917.21	1,855.45	61.76	31.045		
9,200.00	7,063.78	7,047.44	7,045.59	74.63	30.13	97.31	64.81	942.32	2,016.77	1,955.01	61.76	32.656		
9,300.00	7,064.01	7,048.43	7,046.58	77.16	30.13	97.61	64.80	942.31	2,116.37	2,054.60	61.76	34.267		
9,400.00	7,064.24	7,049.41	7,047.55	79.71	30.14	97.91	64.79	942.30	2,216.00	2,154.23	61.77	35.876		
9,500.00	7,064.47	7,050.37	7,048.52	82.28	30.14	98.21	64.79	942.29	2,315.67	2,253.89	61.78	37.484		
9,600.00	7,064.70	7,051.33	7,049.47	84.87	30.14	98.50	64.78	942.28	2,415.36	2,353.57	61.79	39.090		
9,700.00	7,064.93	7,052.27	7,050.42	87.47	30.15	98.79	64.77	942.28	2,515.08	2,453.28	61.80	40.695		
9,800.00	7,065.16	7,053.21	7,051.35	90.09	30.15	99.08	64.77	942.27	2,614.82	2,553.00	61.82	42.298		
9,900.00	7,065.39	7,054.13	7,052.28	92.73	30.16	99.36	64.76	942.26	2,714.58	2,652.74	61.84	43.899		
10,000.00	7,065.62	7,055.05	7,053.19	95.38	30.16	99.64	64.75	942.25	2,814.35	2,752.50	61.86	45.498		
10,100.00	7,065.85	7,055.96	7,054.10	98.04	30.16	99.91	64.75	942.25	2,914.14	2,852.27	61.88	47.095		
10,200.00	7,066.08	7,056.85	7,055.00	100.71	30.17	100.19	64.74	942.24	3,013.95	2,952.05	61.90	48.690		
10,300.00	7,066.31	7,057.74	7,055.89	103.39	30.17	100.46	64.73	942.23	3,113.76	3,051.84	61.93	50.282		
10,400.00	7,066.54	7,058.62	7,056.77	106.08	30.18	100.73	64.73	942.22	3,213.59	3,151.64	61.95	51.872		
10,500.00	7,066.77	7,059.50	7,057.64	108.78	30.18	100.99	64.72	942.22	3,313.43	3,251.45	61.98	53.460		
10,600.00	7,067.01	7,060.36	7,058.50	111.48	30.18	101.25	64.72	942.21	3,413.27	3,351.27	62.01	55.045		
10,700.00	7,067.24	7,061.21	7,059.36	114.20	30.19	101.51	64.71	942.20	3,513.13	3,451.09	62.04	56.627		
10,800.00	7,067.47	7,062.06	7,060.21	116.92	30.19	101.76	64.70	942.20	3,612.99	3,550.92	62.07	58.207		
10,900.00	7,067.70	7,062.90	7,061.04	119.65	30.19	102.01	64.70	942.19	3,712.86	3,650.76	62.10	59.784		
11,000.00	7,067.93	7,063.73	7,061.87	122.38	30.20	102.26	64.69	942.18	3,812.74	3,750.60	62.14	61.358		
11,100.00	7,068.16	7,064.55	7,062.70	125.12	30.20	102.51	64.69	942.18	3,912.62	3,850.45	62.18	62.929		
11,200.00	7,068.39	7,065.36	7,063.51	127.86	30.20	102.75	64.68	942.17	4,012.51	3,950.30	62.21	64.496		
11,300.00	7,068.62	7,066.17	7,064.32	130.61	30.21	102.99	64.67	942.16	4,112.40	4,050.15	62.25	66.061		
11,400.00	7,068.85	7,066.97	7,065.12	133.37	30.21	103.23	64.67	942.16	4,212.30	4,150.01	62.29	67.622		
11,500.00	7,069.08	7,067.76	7,065.91	136.12	30.21	103.47	64.66	942.15	4,312.20	4,249.87	62.33	69.181		
11,600.00	7,069.31	7,068.55	7,066.69	138.89	30.22	103.70	64.66	942.15	4,412.11	4,349.74	62.37	70.735		
11,700.00	7,069.54	7,069.32	7,067.47	141.65	30.22	103.93	64.65	942.14	4,512.02	4,449.60	62.42	72.287		
11,800.00	7,069.77	7,070.09	7,068.24	144.42	30.22	104.16	64.65	942.14	4,611.94	4,549.47	62.46	73.834		
11,900.00	7,070.00	7,070.85	7,069.00	147.19	30.23	104.38	64.64	942.13	4,711.86	4,649.35	62.51	75.379		
12,000.00	7,070.23	7,071.61	7,069.75	149.97	30.23	104.61	64.63	942.12	4,811.78	4,749.22	62.56	76.919		
12,100.00	7,070.46	7,072.36	7,070.50	152.75	30.23	104.83	64.63	942.12	4,911.70	4,849.10	62.60	78.456		
12,200.00	7,070.69	7,073.10	7,071.24	155.53	30.24	105.04	64.62	942.11	5,011.63	4,948.97	62.65	79.989		
12,300.00	7,070.92	7,073.83	7,071.98	158.32	30.24	105.26	64.62	942.11	5,111.56	5,048.85	62.70	81.518		
12,400.00	7,071.16	7,074.56	7,072.71	161.10	30.24	105.47	64.61	942.10	5,211.49	5,148.74	62.76	83.043		
12,500.00	7,071.39	7,075.28	7,073.43	163.89	30.25	105.68	64.61	942.10	5,311.43	5,248.62	62.81	84.565		
12,600.00	7,071.62	7,076.00	7,074.14	166.69	30.25	105.89	64.60	942.09	5,411.36	5,348.50	62.86	86.082		
12,700.00	7,071.85	7,076.71	7,074.85	169.48	30.25	106.10	64.60	942.09	5,511.30	5,448.39	62.92	87.595		
12,800.00	7,072.08	7,077.41	7,075.56	172.28	30.26	106.30	64.59	942.08	5,611.24	5,548.27	62.97	89.104		
12,900.00	7,072.31	7,078.11	7,076.25	175.08	30.26	106.50	64.59	942.08	5,711.19	5,648.16	63.03	90.609		
13,000.00	7,072.54	7,078.80	7,076.94	177.88	30.26	106.70	64.58	942.07	5,811.13	5,748.04	63.09	92.110		
13,100.00	7,072.77	7,079.48	7,077.63	180.68	30.26	106.90	64.58	942.07	5,911.08	5,847.93	63.15	93.606		
13,200.00	7,073.00	7,080.16	7,078.30	183.48	30.27	107.09	64.57	942.06	6,011.03	5,947.82	63.21	95.098		
13,300.00	7,073.23	7,080.83	7,078.98	186.29	30.27	107.28	64.57	942.06	6,110.98	6,047.71	63.27	96.585		
13,400.00	7,073.46	7,081.50	7,079.64	189.09	30.27	107.48	64.56	942.06	6,210.93	6,147.60	63.33	98.069		
13,500.00	7,073.69	7,082.16	7,080.30	191.90	30.28	107.66	64.56	942.05	6,310.88	6,247.49	63.40	99.547		
13,600.00	7,073.92	7,082.82	7,080.96	194.71	30.28	107.85	64.55	942.05	6,410.84	6,347.38	63.46	101.021		
13,700.00	7,074.15	7,083.46	7,081.61	197.52	30.28	108.04	64.55	942.04	6,510.79	6,447.27	63.53	102.490		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,084.11	7,082.25	200.34	30.28	108.22	64.54	942.04	6,610.75	6,547.16	63.59	103.955		
13,900.00	7,074.61	7,084.75	7,082.89	203.15	30.29	108.40	64.54	942.03	6,710.71	6,647.05	63.66	105.415		
14,000.00	7,074.84	7,085.38	7,083.53	205.97	30.29	108.58	64.53	942.03	6,810.67	6,746.94	63.73	106.871		
14,100.00	7,075.07	7,086.01	7,084.15	208.78	30.29	108.76	64.53	942.03	6,910.63	6,846.83	63.80	108.321		
14,200.00	7,075.30	7,086.63	7,084.78	211.60	30.29	108.93	64.52	942.02	7,010.59	6,946.72	63.87	109.767		
14,300.00	7,075.54	7,087.25	7,085.39	214.42	30.30	109.11	64.52	942.02	7,110.55	7,046.61	63.94	111.208		
14,400.00	7,075.77	7,087.86	7,086.01	217.24	30.30	109.28	64.51	942.01	7,210.52	7,146.51	64.01	112.644		
14,500.00	7,076.00	7,088.47	7,086.61	220.06	30.30	109.45	64.51	942.01	7,310.48	7,246.40	64.08	114.075		
14,600.00	7,076.23	7,089.07	7,087.21	222.88	30.30	109.62	64.50	942.01	7,410.45	7,346.29	64.16	115.501		
14,700.00	7,076.46	7,089.67	7,087.81	225.70	30.31	109.78	64.50	942.00	7,510.41	7,446.18	64.23	116.923		
14,800.00	7,076.69	7,090.26	7,088.40	228.53	30.31	109.95	64.49	942.00	7,610.38	7,546.07	64.31	118.339		
14,900.00	7,076.92	7,090.85	7,088.99	231.35	30.31	110.11	64.49	941.99	7,710.35	7,645.96	64.39	119.750		
15,000.00	7,077.15	7,100.00	7,098.14	234.18	30.35	112.61	64.42	941.94	7,810.32	7,745.85	64.48	121.136		
15,100.00	7,077.38	7,100.00	7,098.14	237.00	30.35	112.61	64.42	941.94	7,910.29	7,845.74	64.55	122.538		
15,200.00	7,077.61	7,100.00	7,098.14	239.83	30.35	112.61	64.42	941.94	8,010.26	7,945.63	64.63	123.934		
15,300.00	7,077.84	7,100.00	7,098.14	242.66	30.35	112.61	64.42	941.94	8,110.23	8,045.52	64.71	125.326		
15,400.00	7,078.07	7,100.00	7,098.14	245.49	30.35	112.61	64.42	941.94	8,210.20	8,145.41	64.79	126.713		
15,500.00	7,078.30	7,100.00	7,098.14	248.31	30.35	112.61	64.42	941.94	8,310.17	8,245.30	64.88	128.094		
15,600.00	7,078.53	7,100.00	7,098.14	251.14	30.35	112.61	64.42	941.94	8,410.15	8,345.19	64.96	129.470		
15,700.00	7,078.76	7,100.00	7,098.14	253.97	30.35	112.61	64.42	941.94	8,510.12	8,445.08	65.04	130.841		
15,800.00	7,078.99	7,100.00	7,098.14	256.80	30.35	112.61	64.42	941.94	8,610.09	8,544.97	65.13	132.207		
15,900.00	7,079.22	7,100.00	7,098.14	259.64	30.35	112.61	64.42	941.94	8,710.07	8,644.85	65.21	133.568		
16,000.00	7,079.45	7,100.00	7,098.14	262.47	30.35	112.61	64.42	941.94	8,810.04	8,744.74	65.30	134.923		
16,100.00	7,079.69	7,100.00	7,098.14	265.30	30.35	112.61	64.42	941.94	8,910.02	8,844.63	65.38	136.273		
16,200.00	7,079.92	7,100.00	7,098.14	268.13	30.35	112.61	64.42	941.94	9,009.99	8,944.52	65.47	137.617		
16,300.00	7,080.15	7,100.00	7,098.14	270.97	30.35	112.61	64.42	941.94	9,109.97	9,044.41	65.56	138.957		
16,400.00	7,080.38	7,100.00	7,098.14	273.80	30.35	112.61	64.42	941.94	9,209.94	9,144.29	65.65	140.291		
16,500.00	7,080.61	7,100.00	7,098.14	276.64	30.35	112.61	64.42	941.94	9,309.92	9,244.18	65.74	141.619		
16,600.00	7,080.84	7,100.24	7,098.39	279.47	30.35	112.68	64.42	941.94	9,409.90	9,344.07	65.83	142.942		
16,700.00	7,081.07	7,101.04	7,099.18	282.31	30.36	112.89	64.41	941.94	9,509.88	9,443.95	65.92	144.257		
16,800.00	7,081.30	7,101.83	7,099.98	285.14	30.36	113.10	64.40	941.93	9,609.86	9,543.84	66.02	145.567		
16,900.00	7,081.53	7,102.63	7,100.77	287.98	30.36	113.31	64.40	941.93	9,709.83	9,643.72	66.11	146.871		
17,000.00	7,081.76	7,103.42	7,101.56	290.82	30.37	113.52	64.39	941.92	9,809.81	9,743.61	66.21	148.170		
17,100.00	7,081.99	7,104.22	7,102.36	293.65	30.37	113.73	64.39	941.92	9,909.79	9,843.49	66.30	149.463		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	105.16	-430.19	1,587.69	1,645.61					
100.00	100.00	59.04	59.04	3.28	3.28	105.16	-430.09	1,587.60	1,644.84	1,638.27	6.57	250.462		
200.00	200.00	155.43	155.43	3.34	3.31	105.15	-429.68	1,587.28	1,644.41	1,637.76	6.65	247.353		
219.65	219.65	172.65	172.65	3.35	3.32	105.15	-429.63	1,587.28	1,644.40	1,637.72	6.68	246.321		
300.00	300.00	251.06	251.06	3.44	3.39	105.14	-429.53	1,587.43	1,644.52	1,637.68	6.84	240.573		
400.00	399.98	353.53	353.53	3.60	3.53	9.65	-429.59	1,587.44	1,642.82	1,635.69	7.13	230.512		
500.00	499.84	444.91	444.90	3.80	3.69	9.69	-429.47	1,587.55	1,637.75	1,630.27	7.49	218.761		
600.00	599.45	528.70	528.69	4.04	3.87	9.73	-428.86	1,588.57	1,630.14	1,622.24	7.90	206.265		
700.00	698.70	613.82	613.79	4.31	4.08	9.79	-428.32	1,590.39	1,620.02	1,611.63	8.38	193.252		
800.00	797.47	698.34	698.27	4.62	4.31	9.87	-427.84	1,592.97	1,607.37	1,598.45	8.91	180.344		
900.00	895.62	789.92	789.77	4.97	4.58	9.98	-427.29	1,596.42	1,591.99	1,582.48	9.51	167.449		
980.89	974.49	868.85	868.64	5.27	4.83	10.10	-426.78	1,599.62	1,577.28	1,567.25	10.03	157.202		
1,000.00	993.07	887.64	887.42	5.34	4.89	10.12	-426.64	1,600.39	1,573.54	1,563.38	10.16	154.817		
1,100.00	1,090.26	982.73	982.42	5.75	5.21	10.20	-425.87	1,604.36	1,554.07	1,543.24	10.84	143.424		
1,200.00	1,187.45	1,069.65	1,069.25	6.17	5.51	10.28	-425.40	1,608.30	1,535.02	1,523.51	11.51	133.369		
1,300.00	1,284.64	1,162.35	1,161.83	6.62	5.85	10.39	-425.70	1,612.94	1,516.64	1,504.42	12.23	124.056		
1,400.00	1,381.83	1,255.34	1,254.69	7.07	6.19	10.50	-425.86	1,617.84	1,498.49	1,485.52	12.96	115.599		
1,500.00	1,479.01	1,346.04	1,345.24	7.54	6.54	10.59	-425.78	1,623.15	1,480.81	1,467.10	13.71	108.004		
1,600.00	1,576.20	1,434.11	1,433.12	8.02	6.89	10.66	-425.24	1,628.94	1,463.69	1,449.22	14.47	101.185		
1,700.00	1,673.39	1,520.79	1,519.55	8.50	7.24	10.72	-424.79	1,635.42	1,447.44	1,432.21	15.23	95.047		
1,800.00	1,770.58	1,615.96	1,614.40	8.99	7.63	10.76	-423.71	1,643.15	1,431.65	1,415.61	16.03	89.290		
1,900.00	1,867.77	1,709.77	1,707.87	9.48	8.02	10.80	-422.76	1,651.06	1,416.18	1,399.33	16.84	84.078		
2,000.00	1,964.96	1,809.59	1,807.34	9.98	8.44	10.89	-422.68	1,659.34	1,400.84	1,383.16	17.68	79.232		
2,100.00	2,062.15	1,913.80	1,911.22	10.49	8.88	10.99	-422.95	1,667.67	1,385.31	1,366.78	18.54	74.728		
2,200.00	2,159.34	2,025.21	2,022.34	10.99	9.34	11.12	-423.12	1,675.70	1,369.01	1,349.58	19.43	70.475		
2,300.00	2,256.53	2,127.00	2,123.89	11.50	9.76	11.22	-422.78	1,682.67	1,352.23	1,331.94	20.28	66.662		
2,400.00	2,353.71	2,229.90	2,226.57	12.01	10.18	11.33	-422.43	1,689.40	1,335.17	1,314.02	21.15	63.122		
2,500.00	2,450.90	2,334.68	2,331.16	12.53	10.61	11.46	-422.48	1,695.73	1,317.76	1,295.73	22.03	59.823		
2,600.00	2,548.09	2,440.24	2,436.57	13.04	11.04	11.63	-422.87	1,701.33	1,299.74	1,276.83	22.91	56.740		
2,700.00	2,645.28	2,537.96	2,534.16	13.56	11.44	11.79	-423.15	1,706.25	1,281.46	1,257.70	23.77	53.920		
2,800.00	2,742.47	2,629.19	2,625.27	14.08	11.82	11.93	-423.41	1,711.18	1,263.53	1,238.92	24.61	51.343		
2,900.00	2,839.66	2,719.71	2,715.62	14.60	12.19	12.08	-423.83	1,716.68	1,246.29	1,220.84	25.45	48.961		
3,000.00	2,936.85	2,817.04	2,812.75	15.12	12.60	12.24	-424.34	1,722.82	1,229.32	1,203.00	26.32	46.701		
3,100.00	3,034.04	2,909.12	2,904.62	15.65	12.99	12.41	-425.03	1,728.93	1,212.72	1,185.54	27.18	44.621		
3,200.00	3,131.22	3,005.52	3,000.79	16.17	13.40	12.59	-425.92	1,735.64	1,196.48	1,168.43	28.05	42.657		
3,300.00	3,228.41	3,109.65	3,104.66	16.69	13.84	12.75	-426.09	1,742.96	1,180.10	1,151.16	28.94	40.771		
3,400.00	3,325.60	3,202.56	3,197.32	17.22	14.23	12.88	-426.03	1,749.62	1,163.79	1,133.98	29.81	39.040		
3,500.00	3,422.79	3,302.52	3,297.03	17.75	14.66	13.06	-426.52	1,756.76	1,147.62	1,116.92	30.70	37.386		
3,600.00	3,519.98	3,408.51	3,402.78	18.27	15.11	13.27	-427.29	1,763.80	1,131.08	1,099.48	31.60	35.794		
3,700.00	3,617.17	3,500.39	3,494.46	18.80	15.49	13.48	-428.27	1,769.83	1,114.57	1,082.11	32.47	34.329		
3,800.00	3,714.36	3,586.93	3,580.77	19.33	15.86	13.70	-429.80	1,776.02	1,098.87	1,065.54	33.32	32.976		
3,900.00	3,811.55	3,672.27	3,665.80	19.86	16.23	13.96	-432.12	1,782.87	1,084.32	1,050.15	34.18	31.728		
4,000.00	3,908.74	3,764.59	3,757.70	20.39	16.64	14.28	-435.80	1,790.90	1,070.83	1,035.79	35.05	30.552		
4,100.00	4,005.92	3,862.10	3,854.71	20.92	17.06	14.69	-440.76	1,799.28	1,057.68	1,021.74	35.94	29.427		
4,200.00	4,103.11	3,964.28	3,956.40	21.45	17.51	15.12	-445.61	1,808.12	1,044.52	1,007.67	36.85	28.344		
4,300.00	4,200.30	4,068.20	4,059.86	21.98	17.96	15.54	-450.03	1,816.78	1,030.94	993.18	37.77	27.299		
4,400.00	4,297.49	4,171.37	4,162.62	22.51	18.41	15.95	-453.94	1,825.05	1,016.96	978.28	38.68	26.294		
4,500.00	4,394.68	4,271.64	4,262.53	23.04	18.85	16.36	-457.61	1,832.80	1,002.71	963.12	39.58	25.333		
4,600.00	4,491.87	4,378.49	4,369.02	23.57	19.31	16.77	-460.74	1,840.96	988.16	947.66	40.50	24.399		
4,700.00	4,589.06	4,494.60	4,484.86	24.10	19.80	17.26	-463.99	1,848.21	972.33	930.90	41.43	23.470		
4,800.00	4,686.25	4,610.59	4,600.69	24.64	20.29	17.77	-466.44	1,853.42	954.69	912.35	42.34	22.548		
4,900.00	4,783.43	4,714.14	4,704.17	25.17	20.71	18.25	-468.19	1,857.00	936.02	892.78	43.24	21.649		

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 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,880.62	4,823.36	4,813.34	25.70	21.17	18.77	-469.53	1,859.71	916.34	872.21	44.13	20.766		
5,100.00	4,977.81	4,926.07	4,916.04	26.23	21.59	19.28	-470.34	1,861.50	895.88	850.87	45.01	19.902		
5,200.00	5,075.00	5,027.28	5,017.24	26.77	22.01	19.80	-470.81	1,862.90	875.05	829.15	45.90	19.063		
5,300.00	5,172.19	5,126.54	5,116.49	27.30	22.42	20.34	-471.13	1,863.86	853.85	807.05	46.80	18.246		
5,400.00	5,269.38	5,218.63	5,208.57	27.83	22.80	20.89	-471.94	1,864.83	833.04	785.33	47.71	17.462		
5,457.75	5,325.51	5,271.60	5,261.53	28.14	23.02	21.24	-472.89	1,865.46	821.36	773.12	48.24	17.028		
5,500.00	5,366.64	5,311.32	5,301.24	28.37	23.18	21.47	-473.86	1,865.96	813.26	764.64	48.62	16.727		
5,600.00	5,464.53	5,411.61	5,401.49	28.87	23.60	22.00	-476.20	1,867.17	796.37	746.85	49.51	16.083		
5,700.00	5,563.07	5,512.60	5,502.46	29.35	24.02	22.43	-477.86	1,868.46	782.49	732.09	50.40	15.527		
5,800.00	5,662.15	5,614.00	5,603.84	29.80	24.44	22.77	-478.97	1,869.65	771.53	720.27	51.26	15.050		
5,900.00	5,761.64	5,710.78	5,700.61	30.23	24.84	22.99	-479.72	1,871.09	763.92	711.79	52.13	14.654		
6,000.00	5,861.42	5,810.77	5,800.59	30.64	25.26	23.13	-480.30	1,872.87	759.71	706.74	52.97	14.341		
6,096.15	5,957.51	5,910.37	5,900.17	31.00	25.67	23.19	-480.90	1,874.38	758.47	704.71	53.76	14.108 CC		
6,100.00	5,961.36	5,914.51	5,904.31	31.02	25.69	23.20	-480.93	1,874.43	758.47	704.68	53.79	14.100		
6,138.64	6,000.00	5,956.06	5,945.86	31.16	25.86	118.71	-481.14	1,874.85	758.67	704.58	54.10	14.025		
6,200.00	6,061.36	6,020.21	6,010.01	31.38	26.13	118.71	-481.35	1,875.23	759.09	704.51	54.58	13.909		
6,300.00	6,161.36	6,119.85	6,109.65	31.74	26.54	118.70	-481.44	1,875.92	759.74	704.36	55.38	13.720		
6,400.00	6,261.36	6,224.90	6,214.70	32.10	26.98	118.70	-481.64	1,876.21	760.08	703.92	56.16	13.534		
6,500.00	6,361.36	6,330.96	6,320.75	32.46	27.43	118.74	-481.91	1,875.42	759.54	702.61	56.93	13.341		
6,562.02	6,423.38	6,393.90	6,383.68	32.68	27.69	118.79	-482.14	1,874.65	758.98	701.56	57.43	13.217		
6,569.13	6,430.49	6,401.12	6,390.91	32.71	27.72	-150.91	-482.17	1,874.56	758.95	701.47	57.48	13.203 ES		
6,600.00	6,461.34	6,432.61	6,422.39	32.82	27.85	-150.90	-482.32	1,874.11	759.59	701.87	57.72	13.160		
6,650.00	6,511.08	6,483.44	6,473.21	32.99	28.06	-150.87	-482.62	1,873.29	763.35	705.26	58.09	13.142 SF		
6,700.00	6,560.29	6,533.28	6,523.05	33.17	28.27	-150.82	-482.98	1,872.39	770.47	712.03	58.44	13.185		
6,750.00	6,608.64	6,582.10	6,571.85	33.36	28.48	-150.75	-483.32	1,871.49	780.97	722.20	58.77	13.289		
6,800.00	6,655.86	6,631.16	6,620.91	33.56	28.68	-150.65	-483.66	1,870.55	794.80	735.73	59.07	13.455		
6,850.00	6,701.64	6,679.70	6,669.43	33.78	28.88	-150.52	-484.04	1,869.44	811.84	752.49	59.35	13.679		
6,900.00	6,745.71	6,727.18	6,716.89	34.01	29.08	-150.31	-484.46	1,868.18	832.01	772.41	59.60	13.959		
6,950.00	6,787.79	6,773.23	6,762.92	34.27	29.28	-150.01	-484.92	1,866.73	855.22	795.39	59.83	14.293		
7,000.00	6,827.62	6,816.10	6,805.76	34.56	29.46	-149.54	-485.39	1,865.21	881.40	821.35	60.05	14.678		
7,050.00	6,864.96	6,854.84	6,844.47	34.87	29.62	-148.86	-485.79	1,863.80	910.53	850.29	60.25	15.113		
7,100.00	6,899.58	6,890.93	6,880.53	35.21	29.77	-147.93	-486.12	1,862.51	942.51	882.09	60.43	15.598		
7,150.00	6,931.26	6,925.91	6,915.49	35.60	29.92	-146.75	-486.42	1,861.22	977.15	916.57	60.58	16.131		
7,200.00	6,959.81	6,958.48	6,948.03	36.02	30.06	-145.19	-486.72	1,859.94	1,014.21	953.51	60.70	16.708		
7,250.00	6,985.06	6,987.81	6,977.34	36.47	30.18	-143.11	-487.00	1,858.70	1,053.50	992.69	60.81	17.324		
7,300.00	7,006.84	7,013.76	7,003.26	36.97	30.29	-140.34	-487.26	1,857.54	1,094.80	1,033.90	60.90	17.976		
7,350.00	7,025.02	7,036.07	7,025.55	37.51	30.38	-136.61	-487.46	1,856.51	1,137.89	1,076.91	60.98	18.660		
7,400.00	7,039.49	7,054.51	7,043.96	38.09	30.46	-131.56	-487.60	1,855.63	1,182.51	1,121.47	61.04	19.373		
7,450.00	7,050.17	7,068.93	7,058.36	38.70	30.52	-124.66	-487.69	1,854.93	1,228.41	1,167.32	61.09	20.109		
7,500.00	7,056.98	7,079.19	7,068.62	39.33	30.57	-115.27	-487.76	1,854.42	1,275.30	1,214.18	61.12	20.865		
7,550.00	7,059.89	7,085.20	7,074.62	39.99	30.59	-102.88	-487.79	1,854.12	1,322.89	1,261.75	61.15	21.635		
7,560.55	7,060.00	7,085.92	7,075.33	40.13	30.60	-99.89	-487.79	1,854.09	1,333.00	1,271.84	61.15	21.798		
7,600.00	7,060.09	7,088.24	7,077.65	40.67	30.61	-100.23	-487.81	1,853.97	1,370.85	1,309.69	61.17	22.412		
7,700.00	7,060.32	7,094.18	7,083.58	42.14	30.63	-101.11	-487.84	1,853.67	1,467.17	1,405.97	61.20	23.972		
7,800.00	7,060.55	7,100.21	7,089.60	43.75	30.66	-101.99	-487.87	1,853.36	1,563.94	1,502.69	61.25	25.535		
7,900.00	7,060.78	7,106.33	7,095.71	45.48	30.68	-102.88	-487.89	1,853.05	1,661.06	1,599.77	61.29	27.101		
8,000.00	7,061.01	7,112.54	7,101.91	47.33	30.71	-103.78	-487.92	1,852.73	1,758.49	1,697.16	61.34	28.669		
8,100.00	7,061.24	7,118.84	7,108.21	49.27	30.74	-104.68	-487.94	1,852.40	1,856.18	1,794.80	61.38	30.239		
8,200.00	7,061.47	7,121.53	7,110.90	51.29	30.75	-105.06	-487.96	1,852.27	1,954.10	1,892.66	61.44	31.807		
8,300.00	7,061.70	7,126.87	7,116.23	53.40	30.77	-105.82	-487.99	1,852.00	2,052.20	1,990.71	61.48	33.378		
8,400.00	7,061.93	7,132.21	7,121.57	55.57	30.79	-106.57	-488.01	1,851.73	2,150.46	2,088.93	61.53	34.949		
8,500.00	7,062.16	7,137.56	7,126.90	57.80	30.82	-107.32	-488.04	1,851.46	2,248.86	2,187.28	61.58	36.519		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,062.39	7,142.90	7,132.24	60.08	30.84	-108.06	-488.06	1,851.18	2,347.38	2,285.76	61.63	38.090		
8,700.00	7,062.63	7,148.24	7,137.57	62.42	30.86	-108.79	-488.09	1,850.91	2,446.02	2,384.34	61.68	39.660		
8,800.00	7,062.86	7,153.58	7,142.91	64.79	30.89	-109.52	-488.11	1,850.64	2,544.74	2,483.02	61.72	41.229		
8,900.00	7,063.09	7,158.93	7,148.24	67.20	30.91	-110.24	-488.14	1,850.36	2,643.56	2,581.79	61.77	42.797		
9,000.00	7,063.32	7,164.27	7,153.58	69.65	30.93	-110.95	-488.16	1,850.09	2,742.44	2,680.63	61.82	44.364		
9,100.00	7,063.55	7,169.61	7,158.91	72.12	30.95	-111.66	-488.19	1,849.82	2,841.40	2,779.53	61.87	45.929		
9,200.00	7,063.78	7,174.95	7,164.25	74.63	30.98	-112.36	-488.21	1,849.54	2,940.42	2,878.50	61.91	47.493		
9,300.00	7,064.01	7,180.30	7,169.59	77.16	31.00	-113.05	-488.24	1,849.27	3,039.49	2,977.53	61.96	49.055		
9,400.00	7,064.24	7,185.64	7,174.92	79.71	31.02	-113.73	-488.26	1,849.00	3,138.61	3,076.60	62.01	50.615		
9,500.00	7,064.47	7,190.98	7,180.26	82.28	31.05	-114.41	-488.28	1,848.73	3,237.78	3,175.72	62.06	52.174		
9,600.00	7,064.70	7,196.32	7,185.59	84.87	31.07	-115.08	-488.31	1,848.45	3,336.98	3,274.88	62.11	53.730		
9,700.00	7,064.93	7,201.67	7,190.93	87.47	31.09	-115.75	-488.33	1,848.18	3,436.23	3,374.07	62.16	55.284		
9,800.00	7,065.16	7,207.01	7,196.26	90.09	31.12	-116.40	-488.36	1,847.91	3,535.51	3,473.30	62.21	56.835		
9,900.00	7,065.39	7,212.35	7,201.60	92.73	31.14	-117.05	-488.38	1,847.63	3,634.82	3,572.56	62.26	58.384		
10,000.00	7,065.62	7,217.69	7,206.93	95.38	31.16	-117.69	-488.41	1,847.36	3,734.16	3,671.85	62.31	59.931		
10,100.00	7,065.85	7,223.04	7,212.27	98.04	31.18	-118.33	-488.43	1,847.09	3,833.53	3,771.17	62.36	61.475		
10,200.00	7,066.08	7,228.38	7,217.61	100.71	31.21	-118.95	-488.46	1,846.81	3,932.92	3,870.51	62.41	63.016		
10,300.00	7,066.31	7,233.72	7,222.94	103.39	31.23	-119.57	-488.48	1,846.54	4,032.34	3,969.87	62.46	64.554		
10,400.00	7,066.54	7,239.06	7,228.28	106.08	31.25	-120.18	-488.51	1,846.27	4,131.77	4,069.25	62.52	66.089		
10,500.00	7,066.77	7,244.41	7,233.61	108.78	31.28	-120.79	-488.53	1,846.00	4,231.23	4,168.66	62.57	67.621		
10,600.00	7,067.01	7,249.75	7,238.95	111.48	31.30	-121.38	-488.56	1,845.72	4,330.70	4,268.08	62.63	69.150		
10,700.00	7,067.24	7,255.09	7,244.28	114.20	31.32	-121.97	-488.58	1,845.45	4,430.20	4,367.51	62.68	70.676		
10,800.00	7,067.47	7,260.44	7,249.62	116.92	31.35	-122.55	-488.60	1,845.18	4,529.70	4,466.96	62.74	72.198		
10,900.00	7,067.70	7,265.78	7,254.95	119.65	31.37	-123.12	-488.63	1,844.90	4,629.23	4,566.43	62.80	73.717		
11,000.00	7,067.93	7,271.12	7,260.29	122.38	31.39	-123.69	-488.65	1,844.63	4,728.76	4,665.91	62.86	75.232		
11,100.00	7,068.16	7,276.46	7,265.63	125.12	31.41	-124.25	-488.68	1,844.36	4,828.32	4,765.40	62.92	76.743		
11,200.00	7,068.39	7,281.81	7,270.96	127.86	31.44	-124.80	-488.70	1,844.08	4,927.88	4,864.90	62.98	78.251		
11,300.00	7,068.62	7,287.15	7,276.30	130.61	31.46	-125.34	-488.73	1,843.81	5,027.45	4,964.42	63.04	79.755		
11,400.00	7,068.85	7,292.49	7,281.63	133.37	31.48	-125.88	-488.75	1,843.54	5,127.04	5,063.94	63.10	81.256		
11,500.00	7,069.08	7,297.83	7,286.97	136.12	31.51	-126.41	-488.78	1,843.27	5,226.63	5,163.47	63.16	82.752		
11,600.00	7,069.31	7,303.18	7,292.30	138.89	31.53	-126.93	-488.80	1,842.99	5,326.24	5,263.02	63.22	84.244		
11,700.00	7,069.54	7,308.52	7,297.64	141.65	31.55	-127.45	-488.83	1,842.72	5,425.85	5,362.57	63.29	85.733		
11,800.00	7,069.77	7,313.86	7,302.97	144.42	31.58	-127.95	-488.85	1,842.45	5,525.48	5,462.13	63.35	87.217		
11,900.00	7,070.00	7,319.20	7,308.31	147.19	31.60	-128.46	-488.88	1,842.17	5,625.11	5,561.69	63.42	88.697		
12,000.00	7,070.23	7,324.55	7,313.65	149.97	31.62	-128.95	-488.90	1,841.90	5,724.75	5,661.26	63.49	90.172		
12,100.00	7,070.46	7,329.89	7,318.98	152.75	31.64	-129.44	-488.92	1,841.63	5,824.40	5,760.84	63.55	91.644		
12,200.00	7,070.69	7,335.23	7,324.32	155.53	31.67	-129.92	-488.95	1,841.35	5,924.05	5,860.43	63.62	93.110		
12,300.00	7,070.92	7,340.57	7,329.65	158.32	31.69	-130.39	-488.97	1,841.08	6,023.71	5,960.02	63.69	94.573		
12,400.00	7,071.16	7,345.92	7,334.99	161.10	31.71	-130.86	-489.00	1,840.81	6,123.38	6,059.62	63.76	96.031		
12,500.00	7,071.39	7,351.26	7,340.32	163.89	31.74	-131.32	-489.02	1,840.54	6,223.05	6,159.22	63.84	97.484		
12,600.00	7,071.62	7,356.60	7,345.66	166.69	31.76	-131.77	-489.05	1,840.26	6,322.73	6,258.82	63.91	98.932		
12,700.00	7,071.85	7,361.94	7,350.99	169.48	31.78	-132.22	-489.07	1,839.99	6,422.42	6,358.43	63.98	100.376		
12,800.00	7,072.08	7,367.29	7,356.33	172.28	31.81	-132.66	-489.10	1,839.72	6,522.11	6,458.05	64.06	101.815		
12,900.00	7,072.31	7,372.63	7,361.67	175.08	31.83	-133.10	-489.12	1,839.44	6,621.80	6,557.67	64.13	103.250		
13,000.00	7,072.54	7,377.97	7,367.00	177.88	31.85	-133.52	-489.15	1,839.17	6,721.50	6,657.29	64.21	104.679		
13,100.00	7,072.77	7,383.31	7,372.34	180.68	31.87	-133.95	-489.17	1,838.90	6,821.21	6,756.92	64.29	106.104		
13,200.00	7,073.00	7,388.66	7,377.67	183.48	31.90	-134.36	-489.20	1,838.62	6,920.92	6,856.55	64.37	107.523		
13,300.00	7,073.23	7,394.00	7,383.01	186.29	31.92	-134.78	-489.22	1,838.35	7,020.63	6,956.18	64.45	108.938		
13,400.00	7,073.46	7,399.34	7,388.34	189.09	31.94	-135.18	-489.25	1,838.08	7,120.35	7,055.82	64.53	110.347		
13,500.00	7,073.69	7,404.68	7,393.68	191.90	31.97	-135.58	-489.27	1,837.81	7,220.07	7,155.46	64.61	111.751		
13,600.00	7,073.92	7,410.03	7,399.01	194.71	31.99	-135.97	-489.29	1,837.53	7,319.79	7,255.10	64.69	113.150		
13,700.00	7,074.15	7,383.00	7,372.02	197.52	31.87	-133.92	-489.17	1,838.91	7,419.59	7,354.87	64.72	114.642		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,383.00	7,372.02	200.34	31.87	-133.92	-489.17	1,838.91	7,519.35	7,454.55	64.79	116.050		
13,900.00	7,074.61	7,383.00	7,372.02	203.15	31.87	-133.92	-489.17	1,838.91	7,619.11	7,554.24	64.87	117.453		
14,000.00	7,074.84	7,383.00	7,372.02	205.97	31.87	-133.92	-489.17	1,838.91	7,718.88	7,653.93	64.95	118.852		
14,100.00	7,075.07	7,383.00	7,372.02	208.78	31.87	-133.92	-489.17	1,838.91	7,818.65	7,753.63	65.02	120.247		
14,200.00	7,075.30	7,383.00	7,372.02	211.60	31.87	-133.92	-489.17	1,838.91	7,918.43	7,853.33	65.10	121.637		
14,300.00	7,075.54	7,383.00	7,372.02	214.42	31.87	-133.92	-489.17	1,838.91	8,018.22	7,953.04	65.18	123.022		
14,400.00	7,075.77	7,383.00	7,372.02	217.24	31.87	-133.92	-489.17	1,838.91	8,118.01	8,052.75	65.26	124.403		
14,500.00	7,076.00	7,383.00	7,372.02	220.06	31.87	-133.92	-489.17	1,838.91	8,217.80	8,152.47	65.34	125.779		
14,600.00	7,076.23	7,383.00	7,372.02	222.88	31.87	-133.92	-489.17	1,838.91	8,317.60	8,252.19	65.42	127.151		
14,700.00	7,076.46	7,383.00	7,372.02	225.70	31.87	-133.92	-489.17	1,838.91	8,417.41	8,351.91	65.50	128.518		
14,800.00	7,076.69	7,383.00	7,372.02	228.53	31.87	-133.92	-489.17	1,838.91	8,517.22	8,451.64	65.58	129.880		
14,900.00	7,076.92	7,383.00	7,372.02	231.35	31.87	-133.92	-489.17	1,838.91	8,617.03	8,551.37	65.66	131.237		
15,000.00	7,077.15	7,383.00	7,372.02	234.18	31.87	-133.92	-489.17	1,838.91	8,716.85	8,651.11	65.74	132.590		
15,100.00	7,077.38	7,383.00	7,372.02	237.00	31.87	-133.92	-489.17	1,838.91	8,816.68	8,750.85	65.83	133.937		
15,200.00	7,077.61	7,383.00	7,372.02	239.83	31.87	-133.92	-489.17	1,838.91	8,916.50	8,850.59	65.91	135.280		
15,300.00	7,077.84	7,383.00	7,372.02	242.66	31.87	-133.92	-489.17	1,838.91	9,016.33	8,950.34	66.00	136.618		
15,400.00	7,078.07	7,383.00	7,372.02	245.49	31.87	-133.92	-489.17	1,838.91	9,116.17	9,050.08	66.08	137.951		
15,500.00	7,078.30	7,383.00	7,372.02	248.31	31.87	-133.92	-489.17	1,838.91	9,216.01	9,149.84	66.17	139.279		
15,600.00	7,078.53	7,383.00	7,372.02	251.14	31.87	-133.92	-489.17	1,838.91	9,315.85	9,249.59	66.26	140.602		
15,700.00	7,078.76	7,383.00	7,372.02	253.97	31.87	-133.92	-489.17	1,838.91	9,415.69	9,349.35	66.34	141.920		
15,800.00	7,078.99	7,383.00	7,372.02	256.80	31.87	-133.92	-489.17	1,838.91	9,515.54	9,449.11	66.43	143.233		
15,900.00	7,079.22	7,383.00	7,372.02	259.64	31.87	-133.92	-489.17	1,838.91	9,615.39	9,548.87	66.52	144.542		
16,000.00	7,079.45	7,383.00	7,372.02	262.47	31.87	-133.92	-489.17	1,838.91	9,715.24	9,648.63	66.61	145.845		
16,100.00	7,079.69	7,383.00	7,372.02	265.30	31.87	-133.92	-489.17	1,838.91	9,815.10	9,748.40	66.70	147.143		
16,200.00	7,079.92	7,383.00	7,372.02	268.13	31.87	-133.92	-489.17	1,838.91	9,914.96	9,848.17	66.80	148.436		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-163.03	-3,381.83	-1,031.88	3,535.84					
100.00	100.00	75.00	75.00	3.28	3.53	-163.03	-3,381.83	-1,031.88	3,535.75	3,528.93	6.82	518.718		
200.00	200.00	175.00	175.00	3.34	5.46	-163.03	-3,381.83	-1,031.88	3,535.75	3,526.95	8.80	401.971		
300.00	300.00	275.00	275.00	3.44	8.51	-163.03	-3,381.83	-1,031.88	3,535.75	3,523.79	11.96	295.706		
400.00	399.98	374.98	374.98	3.60	11.81	101.48	-3,381.83	-1,031.88	3,536.10	3,520.69	15.41	229.483		
500.00	499.84	474.84	474.84	3.80	15.19	101.54	-3,381.83	-1,031.88	3,537.14	3,518.16	18.99	186.311		
600.00	599.45	574.45	574.45	4.04	18.60	101.65	-3,381.83	-1,031.88	3,538.90	3,516.27	22.63	156.354		
700.00	698.70	673.70	673.70	4.31	22.02	101.79	-3,381.83	-1,031.88	3,541.39	3,515.07	26.33	134.508		
800.00	797.47	772.47	772.47	4.62	25.43	101.97	-3,381.83	-1,031.88	3,544.65	3,514.60	30.05	117.943		
900.00	895.62	870.62	870.62	4.97	28.84	102.19	-3,381.83	-1,031.88	3,548.72	3,514.92	33.80	104.992		
980.89	974.49	949.49	949.49	5.27	31.57	102.39	-3,381.83	-1,031.88	3,552.63	3,515.79	36.84	96.433		
1,000.00	993.07	968.07	968.07	5.34	32.22	102.45	-3,381.83	-1,031.88	3,553.62	3,516.06	37.56	94.612		
1,100.00	1,090.26	1,065.26	1,065.26	5.75	35.59	102.81	-3,381.83	-1,031.88	3,558.91	3,517.57	41.34	86.084		
1,200.00	1,187.45	1,162.45	1,162.45	6.17	38.97	103.17	-3,381.83	-1,031.88	3,564.35	3,519.20	45.15	78.950		
1,300.00	1,284.64	1,259.64	1,259.64	6.62	42.36	103.53	-3,381.83	-1,031.88	3,569.94	3,520.97	48.97	72.900		
1,400.00	1,381.83	1,356.83	1,356.83	7.07	45.74	103.89	-3,381.83	-1,031.88	3,575.67	3,522.86	52.81	67.711		
1,500.00	1,479.01	1,454.01	1,454.01	7.54	49.12	104.25	-3,381.83	-1,031.88	3,581.55	3,524.89	56.66	63.214		
1,600.00	1,576.20	1,551.20	1,551.20	8.02	52.51	104.60	-3,381.83	-1,031.88	3,587.57	3,527.05	60.52	59.283		
1,700.00	1,673.39	1,648.39	1,648.39	8.50	55.90	104.95	-3,381.83	-1,031.88	3,593.74	3,529.35	64.38	55.818		
1,800.00	1,770.58	1,745.58	1,745.58	8.99	59.28	105.31	-3,381.83	-1,031.88	3,600.05	3,531.79	68.26	52.742		
1,900.00	1,867.77	1,842.77	1,842.77	9.48	62.67	105.66	-3,381.83	-1,031.88	3,606.50	3,534.36	72.14	49.995		
2,000.00	1,964.96	1,939.96	1,939.96	9.98	66.06	106.01	-3,381.83	-1,031.88	3,613.10	3,537.07	76.02	47.528		
2,100.00	2,062.15	2,037.15	2,037.15	10.49	69.45	106.36	-3,381.83	-1,031.88	3,619.83	3,539.92	79.91	45.299		
2,200.00	2,159.34	2,134.34	2,134.34	10.99	72.84	106.70	-3,381.83	-1,031.88	3,626.71	3,542.91	83.80	43.278		
2,300.00	2,256.53	2,231.53	2,231.53	11.50	76.23	107.05	-3,381.83	-1,031.88	3,633.72	3,546.03	87.69	41.436		
2,400.00	2,353.71	2,328.71	2,328.71	12.01	79.62	107.40	-3,381.83	-1,031.88	3,640.88	3,549.29	91.59	39.751		
2,500.00	2,450.90	2,425.90	2,425.90	12.53	83.01	107.74	-3,381.83	-1,031.88	3,648.17	3,552.68	95.49	38.205		
2,600.00	2,548.09	2,523.09	2,523.09	13.04	86.40	108.08	-3,381.83	-1,031.88	3,655.60	3,556.21	99.39	36.780		
2,700.00	2,645.28	2,620.28	2,620.28	13.56	89.79	108.42	-3,381.83	-1,031.88	3,663.17	3,559.88	103.29	35.464		
2,800.00	2,742.47	2,717.47	2,717.47	14.08	93.18	108.76	-3,381.83	-1,031.88	3,670.87	3,563.67	107.20	34.245		
2,900.00	2,839.66	2,814.66	2,814.66	14.60	96.57	109.10	-3,381.83	-1,031.88	3,678.70	3,567.60	111.10	33.112		
3,000.00	2,936.85	2,911.85	2,911.85	15.12	99.96	109.44	-3,381.83	-1,031.88	3,686.67	3,571.67	115.00	32.057		
3,100.00	3,034.04	3,009.04	3,009.04	15.65	103.35	109.77	-3,381.83	-1,031.88	3,694.78	3,575.87	118.91	31.072		
3,200.00	3,131.22	3,106.22	3,106.22	16.17	106.74	110.11	-3,381.83	-1,031.88	3,703.01	3,580.19	122.82	30.151		
3,300.00	3,228.41	3,203.41	3,203.41	16.69	110.13	110.44	-3,381.83	-1,031.88	3,711.38	3,584.65	126.72	29.287		
3,400.00	3,325.60	3,300.60	3,300.60	17.22	113.53	110.77	-3,381.83	-1,031.88	3,719.87	3,589.24	130.63	28.476		
3,500.00	3,422.79	3,402.21	3,397.79	17.75	117.07	111.10	-3,381.83	-1,031.88	3,728.50	3,593.80	134.69	27.681		
3,600.00	3,519.98	3,505.02	3,494.98	18.27	120.66	111.43	-3,381.83	-1,031.88	3,737.25	3,598.45	138.80	26.926		
3,700.00	3,617.17	3,607.83	3,592.17	18.80	124.25	111.76	-3,381.83	-1,031.88	3,746.13	3,603.23	142.90	26.214		
3,800.00	3,714.36	3,689.36	3,689.36	19.33	127.09	112.08	-3,381.83	-1,031.88	3,755.14	3,608.87	146.27	25.673		
3,900.00	3,811.55	3,786.55	3,786.55	19.86	130.48	112.41	-3,381.83	-1,031.88	3,764.27	3,614.10	150.17	25.066		
4,000.00	3,908.74	3,883.74	3,883.74	20.39	133.88	112.73	-3,381.83	-1,031.88	3,773.53	3,619.45	154.08	24.490		
4,100.00	4,005.92	3,980.92	3,980.92	20.92	137.27	113.05	-3,381.83	-1,031.88	3,782.91	3,624.92	157.99	23.944		
4,200.00	4,103.11	4,078.11	4,078.11	21.45	140.66	113.37	-3,381.83	-1,031.88	3,792.42	3,630.52	161.90	23.424		
4,300.00	4,200.30	4,175.30	4,175.30	21.98	144.05	113.69	-3,381.83	-1,031.88	3,802.05	3,636.24	165.81	22.930		
4,400.00	4,297.49	4,272.49	4,272.49	22.51	147.44	114.01	-3,381.83	-1,031.88	3,811.79	3,642.08	169.72	22.460		
4,500.00	4,394.68	4,369.68	4,369.68	23.04	150.84	114.32	-3,381.83	-1,031.88	3,821.66	3,648.04	173.63	22.011		
4,600.00	4,491.87	4,466.87	4,466.87	23.57	154.23	114.64	-3,381.83	-1,031.88	3,831.65	3,654.12	177.53	21.583		
4,700.00	4,589.06	4,564.06	4,564.06	24.10	157.62	114.95	-3,381.83	-1,031.88	3,841.76	3,660.31	181.44	21.173		
4,800.00	4,686.25	4,661.25	4,661.25	24.64	161.01	115.26	-3,381.83	-1,031.88	3,851.98	3,666.63	185.35	20.782		
4,900.00	4,783.43	4,758.43	4,758.43	25.17	164.40	115.57	-3,381.83	-1,031.88	3,862.32	3,673.06	189.26	20.408		
5,000.00	4,880.62	4,855.62	4,855.62	25.70	167.80	115.87	-3,381.83	-1,031.88	3,872.77	3,679.61	193.17	20.049		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,952.81	4,952.81	26.23	171.19	116.18	-3,381.83	-1,031.88	3,883.34	3,686.27	197.07	19.705		
5,200.00	5,075.00	5,050.00	5,050.00	26.77	174.58	116.48	-3,381.83	-1,031.88	3,894.03	3,693.05	200.98	19.375		
5,300.00	5,172.19	5,147.19	5,147.19	27.30	177.97	116.78	-3,381.83	-1,031.88	3,904.82	3,699.94	204.89	19.059		
5,400.00	5,269.38	5,244.38	5,244.38	27.83	181.37	117.09	-3,381.83	-1,031.88	3,915.73	3,706.94	208.79	18.754		
5,457.75	5,325.51	5,300.51	5,300.51	28.14	183.32	117.26	-3,381.83	-1,031.88	3,922.08	3,711.04	211.05	18.584		
5,500.00	5,366.64	5,341.64	5,341.64	28.37	184.76	117.46	-3,381.83	-1,031.88	3,926.61	3,713.91	212.70	18.461		
5,600.00	5,464.53	5,439.53	5,439.53	28.87	188.18	117.89	-3,381.83	-1,031.88	3,936.24	3,719.64	216.61	18.172		
5,700.00	5,563.07	5,538.07	5,538.07	29.35	191.62	118.25	-3,381.83	-1,031.88	3,944.32	3,723.81	220.51	17.887		
5,800.00	5,662.15	5,637.15	5,637.15	29.80	195.08	118.54	-3,381.83	-1,031.88	3,950.80	3,726.39	224.42	17.605		
5,900.00	5,761.64	5,736.64	5,736.64	30.23	198.55	118.75	-3,381.83	-1,031.88	3,955.64	3,727.33	228.31	17.325		
6,000.00	5,861.42	5,836.42	5,836.42	30.64	202.03	118.89	-3,381.83	-1,031.88	3,958.82	3,726.62	232.20	17.049		
6,100.00	5,961.36	5,936.36	5,936.36	31.02	205.52	118.95	-3,381.83	-1,031.88	3,960.32	3,724.24	236.08	16.775		
6,138.64	6,000.00	5,975.00	5,975.00	31.16	206.87	-145.53	-3,381.83	-1,031.88	3,960.44	3,722.87	237.57	16.671		
6,200.00	6,061.36	6,036.36	6,036.36	31.38	209.01	-145.53	-3,381.83	-1,031.88	3,960.44	3,720.51	239.93	16.507		
6,300.00	6,161.36	6,136.36	6,136.36	31.74	212.50	-145.53	-3,381.83	-1,031.88	3,960.44	3,716.66	243.78	16.246		
6,400.00	6,261.36	6,236.36	6,236.36	32.10	215.99	-145.53	-3,381.83	-1,031.88	3,960.44	3,712.81	247.63	15.993		
6,500.00	6,361.36	6,336.36	6,336.36	32.46	219.48	-145.53	-3,381.83	-1,031.88	3,960.44	3,708.96	251.49	15.748		
6,562.02	6,423.38	6,401.62	6,398.38	32.68	221.76	-145.53	-3,381.83	-1,031.88	3,960.44	3,706.45	253.99	15.593		
6,600.00	6,461.34	6,436.34	6,436.34	32.82	222.97	-55.29	-3,381.83	-1,031.88	3,959.80	3,704.46	255.34	15.508		
6,650.00	6,511.08	6,486.08	6,486.08	32.99	224.71	-55.56	-3,381.83	-1,031.88	3,956.98	3,699.74	257.24	15.382		
6,700.00	6,560.29	6,535.29	6,535.29	33.17	226.43	-56.04	-3,381.83	-1,031.88	3,951.97	3,692.83	259.13	15.251		
6,750.00	6,608.64	6,583.64	6,583.64	33.36	228.11	-56.73	-3,381.83	-1,031.88	3,944.79	3,683.79	261.00	15.114		
6,800.00	6,655.86	6,630.86	6,630.86	33.56	229.76	-57.64	-3,381.83	-1,031.88	3,935.54	3,672.70	262.83	14.973		
6,850.00	6,701.64	6,676.64	6,676.64	33.78	231.36	-58.76	-3,381.83	-1,031.88	3,924.28	3,659.65	264.63	14.829		
6,900.00	6,745.71	6,720.71	6,720.71	34.01	232.90	-60.08	-3,381.83	-1,031.88	3,911.13	3,644.75	266.38	14.683		
6,950.00	6,787.79	6,762.79	6,762.79	34.27	234.37	-61.62	-3,381.83	-1,031.88	3,896.22	3,628.15	268.08	14.534		
7,000.00	6,827.62	6,802.62	6,802.62	34.56	235.76	-63.35	-3,381.83	-1,031.88	3,879.69	3,609.97	269.71	14.384		
7,050.00	6,864.96	6,839.96	6,839.96	34.87	237.06	-65.27	-3,381.83	-1,031.88	3,861.68	3,590.39	271.29	14.235		
7,100.00	6,899.58	6,874.58	6,874.58	35.21	238.27	-67.36	-3,381.83	-1,031.88	3,842.38	3,569.58	272.79	14.085		
7,150.00	6,931.26	6,906.26	6,906.26	35.60	239.38	-69.61	-3,381.83	-1,031.88	3,821.94	3,547.71	274.23	13.937		
7,200.00	6,959.81	6,934.81	6,934.81	36.02	240.37	-71.99	-3,381.83	-1,031.88	3,800.57	3,524.98	275.59	13.791		
7,250.00	6,985.06	6,960.06	6,960.06	36.47	241.25	-74.46	-3,381.83	-1,031.88	3,778.45	3,501.58	276.87	13.647		
7,300.00	7,006.84	6,981.84	6,981.84	36.97	242.01	-77.01	-3,381.83	-1,031.88	3,755.77	3,477.70	278.07	13.507		
7,350.00	7,025.02	7,000.02	7,000.02	37.51	242.65	-79.58	-3,381.83	-1,031.88	3,732.72	3,453.54	279.18	13.370		
7,400.00	7,039.49	7,014.49	7,014.49	38.09	243.15	-82.15	-3,381.83	-1,031.88	3,709.50	3,429.29	280.21	13.238		
7,450.00	7,050.17	7,025.17	7,025.17	38.70	243.53	-84.67	-3,381.83	-1,031.88	3,686.29	3,405.15	281.13	13.112		
7,500.00	7,056.98	7,031.98	7,031.98	39.33	243.76	-87.12	-3,381.83	-1,031.88	3,663.26	3,381.30	281.96	12.992		
7,550.00	7,059.89	7,034.89	7,034.89	39.99	243.86	-89.46	-3,381.83	-1,031.88	3,640.60	3,357.92	282.68	12.879		
7,560.55	7,060.00	7,035.00	7,035.00	40.13	243.87	-89.93	-3,381.83	-1,031.88	3,635.87	3,353.06	282.82	12.856		
7,600.00	7,060.09	7,035.09	7,035.09	40.67	243.87	-89.94	-3,381.83	-1,031.88	3,618.43	3,335.10	283.33	12.771		
7,700.00	7,060.32	7,035.32	7,035.32	42.14	243.88	-89.94	-3,381.83	-1,031.88	3,575.79	3,291.03	284.76	12.557		
7,800.00	7,060.55	7,035.55	7,035.55	43.75	243.89	-89.94	-3,381.83	-1,031.88	3,535.47	3,249.11	286.36	12.346		
7,900.00	7,060.78	7,035.78	7,035.78	45.48	243.90	-89.95	-3,381.83	-1,031.88	3,497.53	3,209.43	288.10	12.140		
8,000.00	7,061.01	7,036.01	7,036.01	47.33	243.90	-89.95	-3,381.83	-1,031.88	3,462.08	3,172.08	289.99	11.938		
8,100.00	7,061.24	7,036.24	7,036.24	49.27	243.91	-89.96	-3,381.83	-1,031.88	3,429.17	3,137.16	292.01	11.743		
8,200.00	7,061.47	7,036.47	7,036.47	51.29	243.92	-89.96	-3,381.83	-1,031.88	3,398.89	3,104.74	294.14	11.555		
8,300.00	7,061.70	7,036.70	7,036.70	53.40	243.93	-89.96	-3,381.83	-1,031.88	3,371.30	3,074.92	296.38	11.375		
8,400.00	7,061.93	7,036.93	7,036.93	55.57	243.94	-89.97	-3,381.83	-1,031.88	3,346.47	3,047.78	298.69	11.204		
8,500.00	7,062.16	7,037.16	7,037.16	57.80	243.94	-89.97	-3,381.83	-1,031.88	3,324.47	3,023.39	301.08	11.042		
8,600.00	7,062.39	7,037.39	7,037.39	60.08	243.95	-89.98	-3,381.83	-1,031.88	3,305.35	3,001.82	303.53	10.890		
8,700.00	7,062.63	7,037.63	7,037.63	62.42	243.96	-89.98	-3,381.83	-1,031.88	3,289.16	2,983.15	306.01	10.748		
8,800.00	7,062.86	7,037.86	7,037.86	64.79	243.97	-89.98	-3,381.83	-1,031.88	3,275.94	2,967.41	308.53	10.618		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	7,063.09	7,038.09	7,038.09	67.20	243.98	-89.99	-3,381.83	-1,031.88	3,265.74	2,954.68	311.06	10.499				
9,000.00	7,063.32	7,038.32	7,038.32	69.65	243.98	-89.99	-3,381.83	-1,031.88	3,258.57	2,944.97	313.59	10.391				
9,100.00	7,063.55	7,038.55	7,038.55	72.12	243.99	-90.00	-3,381.83	-1,031.88	3,254.46	2,938.34	316.11	10.295				
9,183.86	7,063.74	7,038.74	7,038.74	74.22	244.00	-90.00	-3,381.83	-1,031.88	3,253.38	2,935.16	318.21	10.224	CC			
9,200.00	7,063.78	7,038.78	7,038.78	74.63	244.00	-90.00	-3,381.83	-1,031.88	3,253.42	2,934.80	318.61	10.211				
9,300.00	7,064.01	7,039.01	7,039.01	77.16	244.01	-90.00	-3,381.83	-1,031.88	3,255.45	2,934.37	321.08	10.139	ES			
9,400.00	7,064.24	7,039.24	7,039.24	79.71	244.02	-90.01	-3,381.83	-1,031.88	3,260.55	2,937.05	323.50	10.079				
9,500.00	7,064.47	7,039.47	7,039.47	82.28	244.02	-90.01	-3,381.83	-1,031.88	3,268.70	2,942.83	325.87	10.031				
9,600.00	7,064.70	7,039.70	7,039.70	84.87	244.03	-90.02	-3,381.83	-1,031.88	3,279.88	2,951.71	328.17	9.994				
9,700.00	7,064.93	7,039.93	7,039.93	87.47	244.04	-90.02	-3,381.83	-1,031.88	3,294.06	2,963.65	330.41	9.970				
9,800.00	7,065.16	7,040.16	7,040.16	90.09	244.05	-90.03	-3,381.83	-1,031.88	3,311.20	2,978.63	332.57	9.956				
9,900.00	7,065.39	7,040.39	7,040.39	92.73	244.06	-90.03	-3,381.83	-1,031.88	3,331.26	2,996.60	334.66	9.954	SF			
10,000.00	7,065.62	7,040.62	7,040.62	95.38	244.07	-90.03	-3,381.83	-1,031.88	3,354.18	3,017.53	336.65	9.963				
10,100.00	7,065.85	7,040.85	7,040.85	98.04	244.07	-90.04	-3,381.83	-1,031.88	3,379.90	3,041.34	338.56	9.983				
10,200.00	7,066.08	7,041.08	7,041.08	100.71	244.08	-90.04	-3,381.83	-1,031.88	3,408.37	3,067.99	340.38	10.013				
10,300.00	7,066.31	7,041.31	7,041.31	103.39	244.09	-90.05	-3,381.83	-1,031.88	3,439.51	3,097.40	342.11	10.054				
10,400.00	7,066.54	7,041.54	7,041.54	106.08	244.10	-90.05	-3,381.83	-1,031.88	3,473.24	3,129.50	343.75	10.104				
10,500.00	7,066.77	7,041.77	7,041.77	108.78	244.11	-90.05	-3,381.83	-1,031.88	3,509.51	3,164.22	345.29	10.164				
10,600.00	7,067.01	7,042.01	7,042.01	111.48	244.11	-90.06	-3,381.83	-1,031.88	3,548.22	3,201.48	346.74	10.233				
10,700.00	7,067.24	7,042.24	7,042.24	114.20	244.12	-90.06	-3,381.83	-1,031.88	3,589.30	3,241.20	348.11	10.311				
10,800.00	7,067.47	7,042.47	7,042.47	116.92	244.13	-90.07	-3,381.83	-1,031.88	3,632.68	3,283.29	349.38	10.397				
10,900.00	7,067.70	7,042.70	7,042.70	119.65	244.14	-90.07	-3,381.83	-1,031.88	3,678.25	3,327.68	350.58	10.492				
11,000.00	7,067.93	7,042.93	7,042.93	122.38	244.15	-90.07	-3,381.83	-1,031.88	3,725.96	3,374.28	351.69	10.595				
11,100.00	7,068.16	7,043.16	7,043.16	125.12	244.15	-90.08	-3,381.83	-1,031.88	3,775.71	3,423.00	352.72	10.705				
11,200.00	7,068.39	7,043.39	7,043.39	127.86	244.16	-90.08	-3,381.83	-1,031.88	3,827.43	3,473.76	353.67	10.822				
11,300.00	7,068.62	7,043.62	7,043.62	130.61	244.17	-90.09	-3,381.83	-1,031.88	3,881.04	3,526.48	354.55	10.946				
11,400.00	7,068.85	7,043.85	7,043.85	133.37	244.18	-90.09	-3,381.83	-1,031.88	3,936.46	3,581.09	355.37	11.077				
11,500.00	7,069.08	7,044.08	7,044.08	136.12	244.19	-90.09	-3,381.83	-1,031.88	3,993.61	3,637.49	356.12	11.214				
11,600.00	7,069.31	7,044.31	7,044.31	138.89	244.19	-90.10	-3,381.83	-1,031.88	4,052.42	3,695.62	356.81	11.358				
11,700.00	7,069.54	7,044.54	7,044.54	141.65	244.20	-90.10	-3,381.83	-1,031.88	4,112.83	3,755.39	357.44	11.507				
11,800.00	7,069.77	7,044.77	7,044.77	144.42	244.21	-90.11	-3,381.83	-1,031.88	4,174.76	3,816.75	358.01	11.661				
11,900.00	7,070.00	7,045.00	7,045.00	147.19	244.22	-90.11	-3,381.83	-1,031.88	4,238.14	3,879.60	358.53	11.821				
12,000.00	7,070.23	7,045.23	7,045.23	149.97	244.23	-90.11	-3,381.83	-1,031.88	4,302.91	3,943.90	359.01	11.986				
12,100.00	7,070.46	7,045.46	7,045.46	152.75	244.23	-90.12	-3,381.83	-1,031.88	4,369.01	4,009.57	359.44	12.155				
12,200.00	7,070.69	7,045.69	7,045.69	155.53	244.24	-90.12	-3,381.83	-1,031.88	4,436.38	4,076.55	359.83	12.329				
12,300.00	7,070.92	7,045.92	7,045.92	158.32	244.25	-90.13	-3,381.83	-1,031.88	4,504.96	4,144.78	360.18	12.508				
12,400.00	7,071.16	7,046.16	7,046.16	161.10	244.26	-90.13	-3,381.83	-1,031.88	4,574.71	4,214.21	360.49	12.690				
12,500.00	7,071.39	7,046.39	7,046.39	163.89	244.27	-90.13	-3,381.83	-1,031.88	4,645.55	4,284.78	360.77	12.877				
12,600.00	7,071.62	7,046.62	7,046.62	166.69	244.27	-90.14	-3,381.83	-1,031.88	4,717.45	4,356.43	361.02	13.067				
12,700.00	7,071.85	7,046.85	7,046.85	169.48	244.28	-90.14	-3,381.83	-1,031.88	4,790.37	4,429.12	361.24	13.261				
12,800.00	7,072.08	7,047.08	7,047.08	172.28	244.29	-90.15	-3,381.83	-1,031.88	4,864.24	4,502.80	361.44	13.458				
12,900.00	7,072.31	7,047.31	7,047.31	175.08	244.30	-90.15	-3,381.83	-1,031.88	4,939.03	4,577.43	361.61	13.659				
13,000.00	7,072.54	7,047.54	7,047.54	177.88	244.31	-90.15	-3,381.83	-1,031.88	5,014.71	4,652.95	361.75	13.862				
13,100.00	7,072.77	7,047.77	7,047.77	180.68	244.31	-90.16	-3,381.83	-1,031.88	5,091.22	4,729.34	361.88	14.069				
13,200.00	7,073.00	7,048.00	7,048.00	183.48	244.32	-90.16	-3,381.83	-1,031.88	5,168.53	4,806.55	361.99	14.278				
13,300.00	7,073.23	7,048.23	7,048.23	186.29	244.33	-90.17	-3,381.83	-1,031.88	5,246.61	4,884.54	362.07	14.490				
13,400.00	7,073.46	7,048.46	7,048.46	189.09	244.34	-90.17	-3,381.83	-1,031.88	5,325.43	4,963.28	362.15	14.705				
13,500.00	7,073.69	7,048.69	7,048.69	191.90	244.35	-90.18	-3,381.83	-1,031.88	5,404.94	5,042.74	362.20	14.922				
13,600.00	7,073.92	7,048.92	7,048.92	194.71	244.35	-90.18	-3,381.83	-1,031.88	5,485.13	5,122.88	362.25	15.142				
13,700.00	7,074.15	7,049.15	7,049.15	197.52	244.36	-90.18	-3,381.83	-1,031.88	5,565.95	5,203.67	362.28	15.364				
13,800.00	7,074.38	7,049.38	7,049.38	200.34	244.37	-90.19	-3,381.83	-1,031.88	5,647.39	5,285.09	362.30	15.588				
13,900.00	7,074.61	7,049.61	7,049.61	203.15	244.38	-90.19	-3,381.83	-1,031.88	5,729.42	5,367.11	362.31	15.814				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,074.84	7,049.84	7,049.84	205.97	244.39	-90.20	-3,381.83	-1,031.88	5,812.01	5,449.70	362.31	16.042		
14,100.00	7,075.07	7,050.07	7,050.07	208.78	244.40	-90.20	-3,381.83	-1,031.88	5,895.14	5,532.84	362.30	16.271		
14,200.00	7,075.30	7,050.30	7,050.30	211.60	244.40	-90.20	-3,381.83	-1,031.88	5,978.79	5,616.51	362.28	16.503		
14,300.00	7,075.54	7,050.54	7,050.54	214.42	244.41	-90.21	-3,381.83	-1,031.88	6,062.93	5,700.67	362.26	16.736		
14,400.00	7,075.77	7,050.77	7,050.77	217.24	244.42	-90.21	-3,381.83	-1,031.88	6,147.55	5,785.32	362.23	16.971		
14,500.00	7,076.00	7,051.00	7,051.00	220.06	244.43	-90.22	-3,381.83	-1,031.88	6,232.62	5,870.43	362.19	17.208		
14,600.00	7,076.23	7,051.23	7,051.23	222.88	244.44	-90.22	-3,381.83	-1,031.88	6,318.13	5,955.98	362.15	17.446		
14,700.00	7,076.46	7,051.46	7,051.46	225.70	244.44	-90.22	-3,381.83	-1,031.88	6,404.06	6,041.96	362.11	17.686		
14,800.00	7,076.69	7,051.69	7,051.69	228.53	244.45	-90.23	-3,381.83	-1,031.88	6,490.40	6,128.34	362.05	17.927		
14,900.00	7,076.92	7,051.92	7,051.92	231.35	244.46	-90.23	-3,381.83	-1,031.88	6,577.12	6,215.12	362.00	18.169		
15,000.00	7,077.15	7,052.15	7,052.15	234.18	244.47	-90.24	-3,381.83	-1,031.88	6,664.21	6,302.27	361.94	18.412		
15,100.00	7,077.38	7,052.38	7,052.38	237.00	244.48	-90.24	-3,381.83	-1,031.88	6,751.66	6,389.78	361.88	18.657		
15,200.00	7,077.61	7,052.61	7,052.61	239.83	244.48	-90.24	-3,381.83	-1,031.88	6,839.46	6,477.64	361.82	18.903		
15,300.00	7,077.84	7,052.84	7,052.84	242.66	244.49	-90.25	-3,381.83	-1,031.88	6,927.58	6,565.83	361.75	19.150		
15,400.00	7,078.07	7,053.07	7,053.07	245.49	244.50	-90.25	-3,381.83	-1,031.88	7,016.02	6,654.34	361.69	19.398		
15,500.00	7,078.30	7,053.30	7,053.30	248.31	244.51	-90.26	-3,381.83	-1,031.88	7,104.77	6,743.16	361.62	19.647		
15,600.00	7,078.53	7,053.53	7,053.53	251.14	244.52	-90.26	-3,381.83	-1,031.88	7,193.82	6,832.27	361.55	19.897		
15,700.00	7,078.76	7,053.76	7,053.76	253.97	244.52	-90.26	-3,381.83	-1,031.88	7,283.15	6,921.67	361.47	20.148		
15,800.00	7,078.99	7,053.99	7,053.99	256.80	244.53	-90.27	-3,381.83	-1,031.88	7,372.75	7,011.35	361.40	20.400		
15,900.00	7,079.22	7,054.22	7,054.22	259.64	244.54	-90.27	-3,381.83	-1,031.88	7,462.62	7,101.29	361.33	20.653		
16,000.00	7,079.45	7,054.45	7,054.45	262.47	244.55	-90.28	-3,381.83	-1,031.88	7,552.74	7,191.49	361.25	20.907		
16,100.00	7,079.69	7,054.69	7,054.69	265.30	244.56	-90.28	-3,381.83	-1,031.88	7,643.11	7,281.93	361.18	21.162		
16,200.00	7,079.92	7,054.92	7,054.92	268.13	244.56	-90.28	-3,381.83	-1,031.88	7,733.72	7,372.61	361.10	21.417		
16,300.00	7,080.15	7,055.15	7,055.15	270.97	244.57	-90.29	-3,381.83	-1,031.88	7,824.55	7,463.52	361.03	21.673		
16,400.00	7,080.38	7,055.38	7,055.38	273.80	244.58	-90.29	-3,381.83	-1,031.88	7,915.60	7,554.65	360.95	21.930		
16,500.00	7,080.61	7,055.61	7,055.61	276.64	244.59	-90.30	-3,381.83	-1,031.88	8,006.87	7,645.99	360.88	22.187		
16,600.00	7,080.84	7,055.84	7,055.84	279.47	244.60	-90.30	-3,381.83	-1,031.88	8,098.35	7,737.54	360.80	22.445		
16,700.00	7,081.07	7,056.07	7,056.07	282.31	244.60	-90.31	-3,381.83	-1,031.88	8,190.02	7,829.29	360.73	22.704		
16,800.00	7,081.30	7,056.30	7,056.30	285.14	244.61	-90.31	-3,381.83	-1,031.88	8,281.89	7,921.23	360.66	22.963		
16,900.00	7,081.53	7,056.53	7,056.53	287.98	244.62	-90.31	-3,381.83	-1,031.88	8,373.94	8,013.36	360.58	23.223		
17,000.00	7,081.76	7,056.76	7,056.76	290.82	244.63	-90.32	-3,381.83	-1,031.88	8,466.17	8,105.66	360.51	23.484		
17,100.00	7,081.99	7,056.99	7,056.99	293.65	244.64	-90.32	-3,381.83	-1,031.88	8,558.58	8,198.14	360.44	23.745		
17,200.00	7,082.22	7,057.22	7,057.22	296.49	244.64	-90.33	-3,381.83	-1,031.88	8,651.16	8,290.79	360.37	24.007		
17,300.00	7,082.45	7,057.45	7,057.45	299.33	244.65	-90.33	-3,381.83	-1,031.88	8,743.90	8,383.60	360.30	24.269		
17,400.00	7,082.68	7,057.68	7,057.68	302.17	244.66	-90.33	-3,381.83	-1,031.88	8,836.80	8,476.57	360.23	24.531		
17,500.00	7,082.91	7,057.91	7,057.91	305.01	244.67	-90.34	-3,381.83	-1,031.88	8,929.85	8,569.69	360.16	24.794		
17,600.00	7,083.14	7,058.14	7,058.14	307.85	244.68	-90.34	-3,381.83	-1,031.88	9,023.05	8,662.96	360.09	25.058		
17,700.00	7,083.37	7,058.37	7,058.37	310.69	244.68	-90.35	-3,381.83	-1,031.88	9,116.39	8,756.37	360.02	25.322		
17,800.00	7,083.60	7,058.60	7,058.60	313.53	244.69	-90.35	-3,381.83	-1,031.88	9,209.88	8,849.92	359.95	25.586		
17,900.00	7,083.84	7,058.84	7,058.84	316.37	244.70	-90.35	-3,381.83	-1,031.88	9,303.50	8,943.61	359.89	25.851		
18,000.00	7,084.07	7,059.07	7,059.07	319.21	244.71	-90.36	-3,381.83	-1,031.88	9,397.25	9,037.42	359.82	26.116		
18,100.00	7,084.30	7,059.30	7,059.30	322.05	244.72	-90.36	-3,381.83	-1,031.88	9,491.13	9,131.37	359.76	26.382		
18,200.00	7,084.53	7,059.53	7,059.53	324.89	244.73	-90.37	-3,381.83	-1,031.88	9,585.13	9,225.43	359.70	26.648		
18,300.00	7,084.76	7,059.76	7,059.76	327.73	244.73	-90.37	-3,381.83	-1,031.88	9,679.25	9,319.61	359.64	26.914		
18,400.00	7,084.99	7,059.99	7,059.99	330.57	244.74	-90.37	-3,381.83	-1,031.88	9,773.49	9,413.91	359.58	27.180		
18,500.00	7,085.22	7,060.22	7,060.22	333.41	244.75	-90.38	-3,381.83	-1,031.88	9,867.85	9,508.33	359.52	27.447		
18,600.00	7,085.45	7,060.45	7,060.45	336.26	244.76	-90.38	-3,381.83	-1,031.88	9,962.31	9,602.85	359.46	27.714		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-88.52	216.72	-8,360.93	8,363.74					
100.00	100.00	104.00	96.00	3.28	3.78	-88.52	216.72	-8,360.93	8,363.74	8,356.67	7.07	1,183.352		
200.00	200.00	204.00	196.00	3.34	6.30	-88.52	216.72	-8,360.93	8,363.74	8,354.10	9.63	868.080		
300.00	300.00	304.00	296.00	3.44	9.45	-88.52	216.72	-8,360.93	8,363.74	8,350.84	12.90	648.389		
400.00	399.98	404.02	395.98	3.60	12.79	175.97	216.72	-8,360.93	8,365.48	8,349.09	16.39	510.518		
500.00	499.84	504.16	495.84	3.80	16.19	175.97	216.72	-8,360.93	8,370.70	8,350.71	19.99	418.779		
600.00	599.45	604.55	595.45	4.04	19.64	175.96	216.72	-8,360.93	8,379.39	8,355.72	23.67	353.977		
700.00	698.70	705.30	694.70	4.31	23.11	175.95	216.72	-8,360.93	8,391.55	8,364.13	27.42	306.022		
800.00	797.47	806.53	793.47	4.62	26.61	175.93	216.72	-8,360.93	8,407.15	8,375.92	31.23	269.217		
900.00	895.62	908.38	891.62	4.97	30.14	175.92	216.72	-8,360.93	8,426.19	8,391.10	35.09	240.141		
980.89	974.49	970.49	970.49	5.27	32.30	175.90	216.72	-8,360.93	8,444.07	8,406.55	37.53	225.007		
1,000.00	993.07	989.07	989.07	5.34	32.95	175.90	216.72	-8,360.93	8,448.56	8,410.32	38.24	220.909		
1,100.00	1,090.26	1,086.26	1,086.26	5.75	36.32	175.91	216.72	-8,360.93	8,472.05	8,430.07	41.98	201.814		
1,200.00	1,187.45	1,183.45	1,183.45	6.17	39.70	175.92	216.72	-8,360.93	8,495.54	8,449.81	45.73	185.764		
1,300.00	1,284.64	1,280.64	1,280.64	6.62	43.09	175.94	216.72	-8,360.93	8,519.03	8,469.53	49.50	172.096		
1,400.00	1,381.83	1,377.83	1,377.83	7.07	46.47	175.95	216.72	-8,360.93	8,542.52	8,489.23	53.28	160.324		
1,500.00	1,479.01	1,475.01	1,475.01	7.54	49.86	175.96	216.72	-8,360.93	8,566.00	8,508.93	57.07	150.086		
1,600.00	1,576.20	1,572.20	1,572.20	8.02	53.24	175.97	216.72	-8,360.93	8,589.49	8,528.62	60.87	141.102		
1,700.00	1,673.39	1,669.39	1,669.39	8.50	56.63	175.98	216.72	-8,360.93	8,612.98	8,548.30	64.68	133.160		
1,800.00	1,770.58	1,766.58	1,766.58	8.99	60.02	175.99	216.72	-8,360.93	8,636.47	8,567.98	68.50	126.089		
1,900.00	1,867.77	1,863.77	1,863.77	9.48	63.40	176.00	216.72	-8,360.93	8,659.96	8,587.65	72.31	119.755		
2,000.00	1,964.96	1,960.96	1,960.96	9.98	66.79	176.01	216.72	-8,360.93	8,683.45	8,607.31	76.14	114.050		
2,100.00	2,062.15	2,058.15	2,058.15	10.49	70.18	176.02	216.72	-8,360.93	8,706.94	8,626.98	79.96	108.885		
2,200.00	2,159.34	2,155.34	2,155.34	10.99	73.57	176.03	216.72	-8,360.93	8,730.43	8,646.64	83.80	104.188		
2,300.00	2,256.53	2,252.53	2,252.53	11.50	76.96	176.04	216.72	-8,360.93	8,753.92	8,666.30	87.63	99.898		
2,400.00	2,353.71	2,349.71	2,349.71	12.01	80.35	176.05	216.72	-8,360.93	8,777.42	8,685.95	91.47	95.965		
2,500.00	2,450.90	2,446.90	2,446.90	12.53	83.74	176.07	216.72	-8,360.93	8,800.91	8,705.60	95.30	92.346		
2,600.00	2,548.09	2,544.09	2,544.09	13.04	87.13	176.08	216.72	-8,360.93	8,824.40	8,725.26	99.14	89.006		
2,700.00	2,645.28	2,641.28	2,641.28	13.56	90.52	176.09	216.72	-8,360.93	8,847.89	8,744.91	102.99	85.913		
2,800.00	2,742.47	2,738.47	2,738.47	14.08	93.91	176.10	216.72	-8,360.93	8,871.38	8,764.55	106.83	83.041		
2,900.00	2,839.66	2,835.66	2,835.66	14.60	97.30	176.11	216.72	-8,360.93	8,894.88	8,784.20	110.68	80.368		
3,000.00	2,936.85	2,932.85	2,932.85	15.12	100.69	176.12	216.72	-8,360.93	8,918.37	8,803.85	114.52	77.874		
3,100.00	3,034.04	3,030.04	3,030.04	15.65	104.08	176.13	216.72	-8,360.93	8,941.86	8,823.49	118.37	75.541		
3,200.00	3,131.22	3,127.22	3,127.22	16.17	107.48	176.14	216.72	-8,360.93	8,965.36	8,843.14	122.22	73.354		
3,300.00	3,228.41	3,224.41	3,224.41	16.69	110.87	176.15	216.72	-8,360.93	8,988.85	8,862.78	126.07	71.300		
3,400.00	3,325.60	3,321.60	3,321.60	17.22	114.26	176.16	216.72	-8,360.93	9,012.35	8,882.42	129.92	69.367		
3,500.00	3,422.79	3,418.79	3,418.79	17.75	117.65	176.17	216.72	-8,360.93	9,035.84	8,902.07	133.77	67.545		
3,600.00	3,519.98	3,515.98	3,515.98	18.27	121.04	176.18	216.72	-8,360.93	9,059.33	8,921.71	137.63	65.825		
3,700.00	3,617.17	3,613.17	3,613.17	18.80	124.43	176.19	216.72	-8,360.93	9,082.83	8,941.35	141.48	64.199		
3,800.00	3,714.36	3,710.36	3,710.36	19.33	127.83	176.20	216.72	-8,360.93	9,106.32	8,960.99	145.33	62.658		
3,900.00	3,811.55	3,807.55	3,807.55	19.86	131.22	176.21	216.72	-8,360.93	9,129.82	8,980.63	149.19	61.196		
4,000.00	3,908.74	3,904.74	3,904.74	20.39	134.61	176.22	216.72	-8,360.93	9,153.32	9,000.27	153.04	59.808		
4,100.00	4,005.92	4,001.92	4,001.92	20.92	138.00	176.23	216.72	-8,360.93	9,176.81	9,019.91	156.90	58.488		
4,200.00	4,103.11	4,100.89	4,099.11	21.45	141.45	176.24	216.72	-8,360.93	9,200.31	9,039.49	160.82	57.209		
4,300.00	4,200.30	4,203.70	4,196.30	21.98	145.04	176.25	216.72	-8,360.93	9,223.80	9,058.93	164.87	55.946		
4,400.00	4,297.49	4,306.51	4,293.49	22.51	148.63	176.26	216.72	-8,360.93	9,247.30	9,078.38	168.92	54.742		
4,500.00	4,394.68	4,409.32	4,390.68	23.04	152.22	176.27	216.72	-8,360.93	9,270.80	9,097.82	172.98	53.595		
4,600.00	4,491.87	4,487.87	4,487.87	23.57	154.96	176.27	216.72	-8,360.93	9,294.29	9,118.11	176.18	52.753		
4,700.00	4,589.06	4,585.06	4,585.06	24.10	158.35	176.28	216.72	-8,360.93	9,317.79	9,137.75	180.04	51.753		
4,800.00	4,686.25	4,682.25	4,682.25	24.64	161.75	176.29	216.72	-8,360.93	9,341.29	9,157.39	183.90	50.795		
4,900.00	4,783.43	4,779.43	4,779.43	25.17	165.14	176.30	216.72	-8,360.93	9,364.79	9,177.03	187.76	49.876		
5,000.00	4,880.62	4,876.62	4,876.62	25.70	168.53	176.31	216.72	-8,360.93	9,388.29	9,196.67	191.62	48.995		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,977.81	4,973.81	4,973.81	26.23	171.92	176.32	216.72	-8,360.93	9,411.78	9,216.31	195.48	48.147		
5,200.00	5,075.00	5,071.00	5,071.00	26.77	175.31	176.33	216.72	-8,360.93	9,435.28	9,235.94	199.34	47.333		
5,300.00	5,172.19	5,168.19	5,168.19	27.30	178.71	176.34	216.72	-8,360.93	9,458.78	9,255.58	203.20	46.550		
5,400.00	5,269.38	5,265.38	5,265.38	27.83	182.10	176.35	216.72	-8,360.93	9,482.28	9,275.22	207.06	45.795		
5,457.75	5,325.51	5,321.51	5,321.51	28.14	184.06	176.35	216.72	-8,360.93	9,495.85	9,286.56	209.29	45.372		
5,500.00	5,366.64	5,362.64	5,362.64	28.37	185.49	176.37	216.72	-8,360.93	9,505.48	9,294.56	210.92	45.067		
5,600.00	5,464.53	5,460.53	5,460.53	28.87	188.91	176.40	216.72	-8,360.93	9,525.84	9,311.04	214.80	44.348		
5,700.00	5,563.07	5,559.07	5,559.07	29.35	192.35	176.43	216.72	-8,360.93	9,542.78	9,324.10	218.69	43.637		
5,800.00	5,662.15	5,658.15	5,658.15	29.80	195.81	176.45	216.72	-8,360.93	9,556.28	9,333.69	222.58	42.933		
5,900.00	5,761.64	5,757.64	5,757.64	30.23	199.28	176.47	216.72	-8,360.93	9,566.32	9,339.83	226.49	42.238		
6,000.00	5,861.42	5,857.42	5,857.42	30.64	202.76	176.48	216.72	-8,360.93	9,572.89	9,342.50	230.39	41.551		
6,100.00	5,961.36	5,957.36	5,957.36	31.02	206.25	176.49	216.72	-8,360.93	9,575.97	9,341.69	234.29	40.873		
6,138.64	6,000.00	6,004.00	5,996.00	31.16	207.88	-88.00	216.72	-8,360.93	9,576.23	9,340.17	236.06	40.566		
6,200.00	6,061.36	6,057.36	6,057.36	31.38	209.74	-88.00	216.72	-8,360.93	9,576.23	9,338.08	238.16	40.210		
6,300.00	6,161.36	6,157.36	6,157.36	31.74	213.23	-88.00	216.72	-8,360.93	9,576.23	9,334.21	242.02	39.567		
6,400.00	6,261.36	6,257.36	6,257.36	32.10	216.72	-88.00	216.72	-8,360.93	9,576.23	9,330.34	245.89	38.945		
6,500.00	6,361.36	6,357.36	6,357.36	32.46	220.21	-88.00	216.72	-8,360.93	9,576.23	9,326.47	249.77	38.341		
6,562.02	6,423.38	6,419.38	6,419.38	32.68	222.38	-88.00	216.72	-8,360.93	9,576.23	9,324.07	252.17	37.976		
6,600.00	6,461.34	6,457.34	6,457.34	32.82	223.70	2.30	216.72	-8,360.93	9,575.10	9,321.47	253.63	37.752		
6,650.00	6,511.08	6,507.08	6,507.08	32.99	225.44	2.32	216.72	-8,360.93	9,570.17	9,314.64	255.53	37.452		
6,700.00	6,560.29	6,556.29	6,556.29	33.17	227.16	2.35	216.72	-8,360.93	9,561.35	9,303.96	257.39	37.147		
6,750.00	6,608.64	6,604.64	6,604.64	33.36	228.85	2.41	216.72	-8,360.93	9,548.70	9,289.49	259.21	36.837		
6,800.00	6,655.86	6,651.86	6,651.86	33.56	230.49	2.48	216.72	-8,360.93	9,532.30	9,271.33	260.97	36.526		
6,850.00	6,701.64	6,702.36	6,697.64	33.78	232.26	2.57	216.72	-8,360.93	9,512.25	9,249.42	262.83	36.191		
6,900.00	6,745.71	6,741.71	6,741.71	34.01	233.63	2.69	216.72	-8,360.93	9,488.67	9,224.39	264.28	35.903		
6,950.00	6,787.79	6,783.79	6,783.79	34.27	235.10	2.83	216.72	-8,360.93	9,461.71	9,195.90	265.82	35.595		
7,000.00	6,827.62	6,823.62	6,823.62	34.56	236.49	3.02	216.72	-8,360.93	9,431.54	9,164.28	267.25	35.291		
7,050.00	6,864.96	6,860.96	6,860.96	34.87	237.79	3.25	216.72	-8,360.93	9,398.33	9,129.74	268.59	34.991		
7,100.00	6,899.58	6,904.42	6,895.58	35.21	239.31	3.53	216.72	-8,360.93	9,362.30	9,092.18	270.13	34.659		
7,150.00	6,931.26	6,927.26	6,927.26	35.60	240.11	3.91	216.72	-8,360.93	9,323.67	9,052.74	270.93	34.413		
7,200.00	6,959.81	6,955.81	6,955.81	36.02	241.10	4.39	216.72	-8,360.93	9,282.68	9,010.75	271.93	34.136		
7,250.00	6,985.06	6,981.06	6,981.06	36.47	241.99	5.04	216.72	-8,360.93	9,239.57	8,966.76	272.80	33.869		
7,300.00	7,006.84	7,002.84	7,002.84	36.97	242.75	5.96	216.72	-8,360.93	9,194.61	8,921.06	273.55	33.612		
7,350.00	7,025.02	7,021.02	7,021.02	37.51	243.38	7.31	216.72	-8,360.93	9,148.09	8,873.92	274.17	33.366		
7,400.00	7,039.49	7,035.49	7,035.49	38.09	243.89	9.51	216.72	-8,360.93	9,100.29	8,825.63	274.66	33.133		
7,450.00	7,050.17	7,046.17	7,046.17	38.70	244.26	13.62	216.72	-8,360.93	9,051.50	8,776.48	275.02	32.912		
7,500.00	7,056.98	7,052.98	7,052.98	39.33	244.50	23.67	216.72	-8,360.93	9,002.02	8,726.78	275.24	32.706		
7,550.00	7,059.89	7,055.89	7,055.89	39.99	244.60	66.24	216.72	-8,360.93	8,952.17	8,676.83	275.34	32.513		
7,560.55	7,060.00	7,056.00	7,056.00	40.13	244.60	86.93	216.72	-8,360.93	8,941.63	8,666.28	275.34	32.474		
7,600.00	7,060.09	7,056.09	7,056.09	40.67	244.61	86.94	216.72	-8,360.93	8,902.21	8,626.87	275.35	32.331		
7,700.00	7,060.32	7,056.32	7,056.32	42.14	244.61	86.97	216.72	-8,360.93	8,802.31	8,526.95	275.36	31.967		
7,800.00	7,060.55	7,056.55	7,056.55	43.75	244.62	87.01	216.72	-8,360.93	8,702.40	8,427.04	275.37	31.603		
7,900.00	7,060.78	7,056.78	7,056.78	45.48	244.63	87.04	216.72	-8,360.93	8,602.50	8,327.12	275.38	31.239		
8,000.00	7,061.01	7,057.01	7,057.01	47.33	244.64	87.08	216.72	-8,360.93	8,502.60	8,227.21	275.39	30.874		
8,100.00	7,061.24	7,057.24	7,057.24	49.27	244.65	87.11	216.72	-8,360.93	8,402.71	8,127.30	275.41	30.510		
8,200.00	7,061.47	7,057.47	7,057.47	51.29	244.65	87.15	216.72	-8,360.93	8,302.81	8,027.38	275.43	30.145		
8,300.00	7,061.70	7,057.70	7,057.70	53.40	244.66	87.18	216.72	-8,360.93	8,202.92	7,927.47	275.45	29.780		
8,400.00	7,061.93	7,057.93	7,057.93	55.57	244.67	87.21	216.72	-8,360.93	8,103.03	7,827.56	275.47	29.415		
8,500.00	7,062.16	7,058.16	7,058.16	57.80	244.68	87.25	216.72	-8,360.93	8,003.14	7,727.65	275.50	29.050		
8,600.00	7,062.39	7,058.39	7,058.39	60.08	244.69	87.28	216.72	-8,360.93	7,903.26	7,627.74	275.52	28.685		
8,700.00	7,062.63	7,058.63	7,058.63	62.42	244.69	87.32	216.72	-8,360.93	7,803.38	7,527.83	275.55	28.319		
8,800.00	7,062.86	7,058.86	7,058.86	64.79	244.70	87.35	216.72	-8,360.93	7,703.50	7,427.92	275.58	27.953		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,063.09	7,059.09	7,059.09	67.20	244.71	87.39	216.72	-8,360.93	7,603.63	7,328.01	275.62	27.588		
9,000.00	7,063.32	7,059.32	7,059.32	69.65	244.72	87.42	216.72	-8,360.93	7,503.76	7,228.10	275.66	27.222		
9,100.00	7,063.55	7,059.55	7,059.55	72.12	244.73	87.46	216.72	-8,360.93	7,403.89	7,128.20	275.69	26.855		
9,200.00	7,063.78	7,059.78	7,059.78	74.63	244.73	87.49	216.72	-8,360.93	7,304.03	7,028.29	275.74	26.489		
9,300.00	7,064.01	7,060.01	7,060.01	77.16	244.74	87.52	216.72	-8,360.93	7,204.17	6,928.39	275.78	26.123		
9,400.00	7,064.24	7,060.24	7,060.24	79.71	244.75	87.56	216.72	-8,360.93	7,104.31	6,828.48	275.83	25.756		
9,500.00	7,064.47	7,060.47	7,060.47	82.28	244.76	87.59	216.72	-8,360.93	7,004.46	6,728.58	275.88	25.389		
9,600.00	7,064.70	7,060.70	7,060.70	84.87	244.77	87.63	216.72	-8,360.93	6,904.61	6,628.68	275.94	25.023		
9,700.00	7,064.93	7,060.93	7,060.93	87.47	244.77	87.66	216.72	-8,360.93	6,804.77	6,528.78	275.99	24.656		
9,800.00	7,065.16	7,061.16	7,061.16	90.09	244.78	87.70	216.72	-8,360.93	6,704.93	6,428.88	276.05	24.288		
9,900.00	7,065.39	7,061.39	7,061.39	92.73	244.79	87.73	216.72	-8,360.93	6,605.10	6,328.98	276.12	23.921		
10,000.00	7,065.62	7,061.62	7,061.62	95.38	244.80	87.76	216.72	-8,360.93	6,505.27	6,229.08	276.19	23.554		
10,100.00	7,065.85	7,061.85	7,061.85	98.04	244.81	87.80	216.72	-8,360.93	6,405.45	6,129.18	276.26	23.186		
10,200.00	7,066.08	7,062.08	7,062.08	100.71	244.81	87.83	216.72	-8,360.93	6,305.63	6,029.29	276.34	22.818		
10,300.00	7,066.31	7,062.31	7,062.31	103.39	244.82	87.87	216.72	-8,360.93	6,205.82	5,929.40	276.42	22.451		
10,400.00	7,066.54	7,062.54	7,062.54	106.08	244.83	87.90	216.72	-8,360.93	6,106.01	5,829.50	276.51	22.083		
10,500.00	7,066.77	7,062.77	7,062.77	108.78	244.84	87.94	216.72	-8,360.93	6,006.21	5,729.61	276.60	21.714		
10,600.00	7,067.01	7,063.01	7,063.01	111.48	244.85	87.97	216.72	-8,360.93	5,906.42	5,629.72	276.70	21.346		
10,700.00	7,067.24	7,063.24	7,063.24	114.20	244.85	88.01	216.72	-8,360.93	5,806.63	5,529.83	276.80	20.978		
10,800.00	7,067.47	7,063.47	7,063.47	116.92	244.86	88.04	216.72	-8,360.93	5,706.86	5,429.95	276.91	20.609		
10,900.00	7,067.70	7,063.70	7,063.70	119.65	244.87	88.07	216.72	-8,360.93	5,607.09	5,330.06	277.03	20.240		
11,000.00	7,067.93	7,063.93	7,063.93	122.38	244.88	88.11	216.72	-8,360.93	5,507.33	5,230.18	277.15	19.871		
11,100.00	7,068.16	7,064.16	7,064.16	125.12	244.89	88.14	216.72	-8,360.93	5,407.57	5,130.30	277.28	19.502		
11,200.00	7,068.39	7,064.39	7,064.39	127.86	244.89	88.18	216.72	-8,360.93	5,307.83	5,030.42	277.42	19.133		
11,300.00	7,068.62	7,064.62	7,064.62	130.61	244.90	88.21	216.72	-8,360.93	5,208.10	4,930.54	277.56	18.764		
11,400.00	7,068.85	7,064.85	7,064.85	133.37	244.91	88.25	216.72	-8,360.93	5,108.37	4,830.66	277.72	18.394		
11,500.00	7,069.08	7,065.08	7,065.08	136.12	244.92	88.28	216.72	-8,360.93	5,008.66	4,730.78	277.88	18.024		
11,600.00	7,069.31	7,065.31	7,065.31	138.89	244.93	88.31	216.72	-8,360.93	4,908.96	4,630.91	278.06	17.654		
11,700.00	7,069.54	7,065.54	7,065.54	141.65	244.93	88.35	216.72	-8,360.93	4,809.27	4,531.03	278.24	17.284		
11,800.00	7,069.77	7,065.77	7,065.77	144.42	244.94	88.38	216.72	-8,360.93	4,709.60	4,431.16	278.44	16.914		
11,900.00	7,070.00	7,066.00	7,066.00	147.19	244.95	88.42	216.72	-8,360.93	4,609.94	4,331.29	278.65	16.544		
12,000.00	7,070.23	7,066.23	7,066.23	149.97	244.96	88.45	216.72	-8,360.93	4,510.29	4,231.41	278.88	16.173		
12,100.00	7,070.46	7,066.46	7,066.46	152.75	244.97	88.49	216.72	-8,360.93	4,410.67	4,131.54	279.12	15.802		
12,200.00	7,070.69	7,066.69	7,066.69	155.53	244.98	88.52	216.72	-8,360.93	4,311.05	4,031.67	279.38	15.431		
12,300.00	7,070.92	7,066.92	7,066.92	158.32	244.98	88.56	216.72	-8,360.93	4,211.46	3,931.80	279.66	15.059		
12,400.00	7,071.16	7,067.16	7,067.16	161.10	244.99	88.59	216.72	-8,360.93	4,111.88	3,831.93	279.95	14.688		
12,500.00	7,071.39	7,067.39	7,067.39	163.89	245.00	88.62	216.72	-8,360.93	4,012.33	3,732.06	280.27	14.316		
12,600.00	7,071.62	7,067.62	7,067.62	166.69	245.01	88.66	216.72	-8,360.93	3,912.80	3,632.19	280.61	13.944		
12,700.00	7,071.85	7,067.85	7,067.85	169.48	245.02	88.69	216.72	-8,360.93	3,813.30	3,532.32	280.98	13.572		
12,800.00	7,072.08	7,068.08	7,068.08	172.28	245.02	88.73	216.72	-8,360.93	3,713.82	3,432.44	281.37	13.199		
12,900.00	7,072.31	7,068.31	7,068.31	175.08	245.03	88.76	216.72	-8,360.93	3,614.37	3,332.57	281.80	12.826		
13,000.00	7,072.54	7,068.54	7,068.54	177.88	245.04	88.80	216.72	-8,360.93	3,514.95	3,232.69	282.26	12.453		
13,100.00	7,072.77	7,068.77	7,068.77	180.68	245.05	88.83	216.72	-8,360.93	3,415.56	3,132.80	282.76	12.079		
13,200.00	7,073.00	7,069.00	7,069.00	183.48	245.06	88.87	216.72	-8,360.93	3,316.21	3,032.91	283.30	11.706		
13,300.00	7,073.23	7,069.23	7,069.23	186.29	245.06	88.90	216.72	-8,360.93	3,216.91	2,933.01	283.89	11.331		
13,400.00	7,073.46	7,069.46	7,069.46	189.09	245.07	88.93	216.72	-8,360.93	3,117.64	2,833.11	284.53	10.957		
13,500.00	7,073.69	7,069.69	7,069.69	191.90	245.08	88.97	216.72	-8,360.93	3,018.43	2,733.20	285.23	10.582		
13,600.00	7,073.92	7,069.92	7,069.92	194.71	245.09	89.00	216.72	-8,360.93	2,919.27	2,633.27	286.00	10.207		
13,700.00	7,074.15	7,070.15	7,070.15	197.52	245.10	89.04	216.72	-8,360.93	2,820.16	2,533.33	286.83	9.832		
13,800.00	7,074.38	7,070.38	7,070.38	200.34	245.10	89.07	216.72	-8,360.93	2,721.13	2,433.38	287.75	9.457		
13,900.00	7,074.61	7,070.61	7,070.61	203.15	245.11	89.11	216.72	-8,360.93	2,622.16	2,333.41	288.76	9.081		
14,000.00	7,074.84	7,070.84	7,070.84	205.97	245.12	89.14	216.72	-8,360.93	2,523.28	2,233.41	289.87	8.705		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,075.07	7,071.07	7,071.07	208.78	245.13	89.18	216.72	-8,360.93	2,424.49	2,133.39	291.10	8.329		
14,200.00	7,075.30	7,071.30	7,071.30	211.60	245.14	89.21	216.72	-8,360.93	2,325.80	2,033.34	292.47	7.952		
14,300.00	7,075.54	7,071.54	7,071.54	214.42	245.14	89.24	216.72	-8,360.93	2,227.23	1,933.25	293.98	7.576		
14,400.00	7,075.77	7,071.77	7,071.77	217.24	245.15	89.28	216.72	-8,360.93	2,128.80	1,833.13	295.67	7.200		
14,500.00	7,076.00	7,072.00	7,072.00	220.06	245.16	89.31	216.72	-8,360.93	2,030.51	1,732.95	297.56	6.824		
14,600.00	7,076.23	7,072.23	7,072.23	222.88	245.17	89.35	216.72	-8,360.93	1,932.41	1,632.72	299.69	6.448		
14,700.00	7,076.46	7,072.46	7,072.46	225.70	245.18	89.38	216.72	-8,360.93	1,834.50	1,532.42	302.09	6.073		
14,800.00	7,076.69	7,072.69	7,072.69	228.53	245.18	89.42	216.72	-8,360.93	1,736.84	1,432.04	304.80	5.698		
14,900.00	7,076.92	7,072.92	7,072.92	231.35	245.19	89.45	216.72	-8,360.93	1,639.46	1,331.58	307.88	5.325		
15,000.00	7,077.15	7,073.15	7,073.15	234.18	245.20	89.49	216.72	-8,360.93	1,542.41	1,231.00	311.41	4.953		
15,100.00	7,077.38	7,073.38	7,073.38	237.00	245.21	89.52	216.72	-8,360.93	1,445.76	1,130.31	315.46	4.583		
15,200.00	7,077.61	7,073.61	7,073.61	239.83	245.22	89.55	216.72	-8,360.93	1,349.61	1,029.47	320.14	4.216		
15,300.00	7,077.84	7,073.84	7,073.84	242.66	245.22	89.59	216.72	-8,360.93	1,254.05	928.46	325.60	3.852		
15,400.00	7,078.07	7,074.07	7,074.07	245.49	245.23	89.62	216.72	-8,360.93	1,159.25	827.26	331.99	3.492		
15,500.00	7,078.30	7,074.30	7,074.30	248.31	245.24	89.66	216.72	-8,360.93	1,065.39	725.85	339.55	3.138		
15,600.00	7,078.53	7,074.53	7,074.53	251.14	245.25	89.69	216.72	-8,360.93	972.76	624.21	348.55	2.791		
15,700.00	7,078.76	7,074.76	7,074.76	253.97	245.26	89.73	216.72	-8,360.93	881.75	522.36	359.38	2.453		
15,800.00	7,078.99	7,074.99	7,074.99	256.80	245.26	89.76	216.72	-8,360.93	792.90	420.39	372.51	2.129		
15,900.00	7,079.22	7,075.22	7,075.22	259.64	245.27	89.80	216.72	-8,360.93	707.03	318.52	388.51	1.820		
16,000.00	7,079.45	7,075.45	7,075.45	262.47	245.28	89.83	216.72	-8,360.93	625.38	217.35	408.02	1.533		
16,100.00	7,079.69	7,075.69	7,075.69	265.30	245.29	89.86	216.72	-8,360.93	549.82	118.29	431.53	1.274 Level 3		
16,200.00	7,079.92	7,075.92	7,075.92	268.13	245.30	89.90	216.72	-8,360.93	483.23	24.48	458.75	1.053 Level 2		
16,300.00	7,080.15	7,076.15	7,076.15	270.97	245.31	89.93	216.72	-8,360.93	429.78	-57.53	487.32	0.882 Level 1		
16,400.00	7,080.38	7,076.38	7,076.38	273.80	245.31	89.97	216.72	-8,360.93	394.87	-116.35	511.22	0.772 Level 1		
16,493.97	7,080.59	7,076.59	7,076.59	276.47	245.32	90.00	216.72	-8,360.93	383.52	-138.26	521.79	0.735 Level 1, CC		
16,500.00	7,080.61	7,076.61	7,076.61	276.64	245.32	90.00	216.72	-8,360.93	383.57	-138.36	521.93	0.735 Level 1, ES, SF		
16,600.00	7,080.84	7,076.84	7,076.84	279.47	245.33	90.04	216.72	-8,360.93	397.91	-117.13	515.04	0.773 Level 1		
16,700.00	7,081.07	7,077.07	7,077.07	282.31	245.34	90.07	216.72	-8,360.93	435.36	-59.54	494.90	0.880 Level 1		
16,800.00	7,081.30	7,077.30	7,077.30	285.14	245.35	90.11	216.72	-8,360.93	490.66	20.93	469.73	1.045 Level 2		
16,900.00	7,081.53	7,077.53	7,077.53	287.98	245.35	90.14	216.72	-8,360.93	558.52	113.28	445.25	1.254 Level 3		
17,000.00	7,081.76	7,077.76	7,077.76	290.82	245.36	90.17	216.72	-8,360.93	634.94	211.14	423.81	1.498 Level 3		
17,100.00	7,081.99	7,077.99	7,077.99	293.65	245.37	90.21	216.72	-8,360.93	717.19	311.38	405.81	1.767		
17,200.00	7,082.22	7,078.22	7,078.22	296.49	245.38	90.24	216.72	-8,360.93	803.47	412.57	390.90	2.055		
17,300.00	7,082.45	7,078.45	7,078.45	299.33	245.39	90.28	216.72	-8,360.93	892.62	514.05	378.57	2.358		
17,400.00	7,082.68	7,078.68	7,078.68	302.17	245.39	90.31	216.72	-8,360.93	983.86	615.54	368.32	2.671		
17,500.00	7,082.91	7,078.91	7,078.91	305.01	245.40	90.35	216.72	-8,360.93	1,076.65	716.93	359.72	2.993		
17,600.00	7,083.14	7,079.14	7,079.14	307.85	245.41	90.38	216.72	-8,360.93	1,170.63	818.17	352.46	3.321		
17,700.00	7,083.37	7,079.37	7,079.37	310.69	245.42	90.42	216.72	-8,360.93	1,265.54	919.26	346.27	3.655		
17,800.00	7,083.60	7,079.60	7,079.60	313.53	245.43	90.45	216.72	-8,360.93	1,361.17	1,020.21	340.96	3.992		
17,900.00	7,083.84	7,079.84	7,079.84	316.37	245.43	90.48	216.72	-8,360.93	1,457.39	1,121.03	336.37	4.333		
18,000.00	7,084.07	7,080.07	7,080.07	319.21	245.44	90.52	216.72	-8,360.93	1,554.09	1,221.73	332.37	4.676		
18,100.00	7,084.30	7,080.30	7,080.30	322.05	245.45	90.55	216.72	-8,360.93	1,651.18	1,322.32	328.86	5.021		
18,200.00	7,084.53	7,080.53	7,080.53	324.89	245.46	90.59	216.72	-8,360.93	1,748.60	1,422.83	325.77	5.368		
18,300.00	7,084.76	7,080.76	7,080.76	327.73	245.47	90.62	216.72	-8,360.93	1,846.30	1,523.26	323.04	5.715		
18,400.00	7,084.99	7,080.99	7,080.99	330.57	245.47	90.66	216.72	-8,360.93	1,944.23	1,623.62	320.61	6.064		
18,500.00	7,085.22	7,081.22	7,081.22	333.41	245.48	90.69	216.72	-8,360.93	2,042.36	1,723.92	318.43	6.414		
18,600.00	7,085.45	7,081.45	7,081.45	336.26	245.49	90.73	216.72	-8,360.93	2,140.66	1,824.18	316.48	6.764		
18,700.00	7,085.68	7,081.68	7,081.68	339.10	245.50	90.76	216.72	-8,360.93	2,239.11	1,924.38	314.73	7.114		
18,800.00	7,085.91	7,081.91	7,081.91	341.94	245.51	90.79	216.72	-8,360.93	2,337.70	2,024.55	313.15	7.465		
18,839.14	7,086.00	7,082.00	7,082.00	343.06	245.51	90.81	216.72	-8,360.93	2,376.32	2,063.75	312.57	7.603		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	33.05	1,472.18	957.71	1,756.50					
100.00	100.00	67.05	67.05	3.28	3.28	33.04	1,472.36	957.62	1,756.38	1,749.82	6.57	267.417		
200.00	200.00	171.84	171.84	3.34	3.32	33.01	1,473.00	957.11	1,756.65	1,749.99	6.66	263.807		
300.00	300.00	274.14	274.14	3.44	3.42	32.99	1,473.24	956.53	1,756.53	1,749.66	6.86	255.940		
400.00	399.98	370.55	370.54	3.60	3.56	-62.58	1,473.30	956.35	1,755.68	1,748.52	7.16	245.378		
500.00	499.84	469.01	469.01	3.80	3.74	-62.78	1,473.58	956.19	1,753.43	1,745.89	7.53	232.731		
600.00	599.45	571.88	571.88	4.04	3.97	-63.12	1,473.74	956.14	1,749.55	1,741.55	8.00	218.636		
700.00	698.70	670.97	670.96	4.31	4.22	-63.57	1,473.67	956.13	1,743.99	1,735.46	8.53	204.440		
800.00	797.47	765.41	765.40	4.62	4.49	-64.14	1,473.81	956.08	1,737.12	1,728.01	9.11	190.771		
900.00	895.62	863.09	863.09	4.97	4.78	-64.84	1,474.09	956.17	1,729.08	1,719.33	9.74	177.454		
980.89	974.49	945.43	945.43	5.27	5.04	-65.53	1,474.14	956.39	1,721.54	1,711.23	10.31	167.022		
1,000.00	993.07	965.12	965.11	5.34	5.11	-65.67	1,474.13	956.42	1,719.64	1,709.20	10.45	164.624		
1,100.00	1,090.26	1,067.11	1,067.10	5.75	5.45	-66.40	1,473.93	956.45	1,709.70	1,698.51	11.19	152.820		
1,200.00	1,187.45	1,163.87	1,163.86	6.17	5.78	-67.10	1,473.58	956.45	1,699.86	1,687.91	11.94	142.314		
1,300.00	1,284.64	1,262.28	1,262.27	6.62	6.13	-67.82	1,473.28	956.48	1,690.35	1,677.62	12.73	132.749		
1,400.00	1,381.83	1,359.04	1,359.03	7.07	6.49	-68.53	1,472.82	956.59	1,681.01	1,667.47	13.54	124.161		
1,500.00	1,479.01	1,453.32	1,453.31	7.54	6.84	-69.23	1,472.48	956.78	1,672.09	1,657.73	14.35	116.490		
1,600.00	1,576.20	1,550.31	1,550.30	8.02	7.20	-69.97	1,472.32	956.91	1,663.58	1,648.38	15.19	109.490		
1,700.00	1,673.39	1,647.85	1,647.84	8.50	7.58	-70.71	1,472.14	956.90	1,655.28	1,639.23	16.05	103.139		
1,800.00	1,770.58	1,746.36	1,746.35	8.99	7.96	-71.47	1,471.94	957.00	1,647.31	1,630.39	16.92	97.364		
1,900.00	1,867.77	1,848.18	1,848.17	9.48	8.36	-72.25	1,471.44	957.18	1,639.41	1,621.60	17.81	92.045		
2,000.00	1,964.96	1,947.82	1,947.81	9.98	8.75	-73.03	1,470.77	957.19	1,631.57	1,612.87	18.70	87.234		
2,100.00	2,062.15	2,045.73	2,045.71	10.49	9.14	-73.80	1,470.07	957.13	1,623.97	1,604.37	19.60	82.869		
2,200.00	2,159.34	2,144.22	2,144.20	10.99	9.54	-74.59	1,469.36	956.92	1,616.63	1,596.13	20.50	78.864		
2,300.00	2,256.53	2,243.72	2,243.70	11.50	9.94	-75.41	1,468.67	956.31	1,609.48	1,588.07	21.41	75.174		
2,400.00	2,353.71	2,341.71	2,341.68	12.01	10.33	-76.23	1,467.93	955.48	1,602.53	1,580.21	22.32	71.795		
2,500.00	2,450.90	2,435.82	2,435.78	12.53	10.72	-77.02	1,467.30	954.64	1,595.99	1,572.77	23.22	68.729		
2,600.00	2,548.09	2,527.83	2,527.79	13.04	11.09	-77.81	1,466.95	953.82	1,590.05	1,565.94	24.12	65.930		
2,700.00	2,645.28	2,620.06	2,620.01	13.56	11.47	-78.60	1,466.90	952.99	1,584.78	1,559.76	25.02	63.349		
2,800.00	2,742.47	2,714.40	2,714.35	14.08	11.86	-79.42	1,467.06	952.27	1,580.10	1,554.18	25.93	60.946		
2,900.00	2,839.66	2,812.84	2,812.79	14.60	12.26	-80.28	1,467.23	951.55	1,575.80	1,548.95	26.85	58.681		
3,000.00	2,936.85	2,911.61	2,911.56	15.12	12.67	-81.14	1,467.32	950.87	1,571.79	1,544.01	27.78	56.571		
3,100.00	3,034.04	3,016.44	3,016.38	15.65	13.10	-82.05	1,466.99	950.22	1,567.78	1,539.04	28.74	54.550		
3,200.00	3,131.22	3,112.99	3,112.93	16.17	13.50	-82.89	1,466.49	949.58	1,563.93	1,534.27	29.67	52.717		
3,300.00	3,228.41	3,205.62	3,205.55	16.69	13.89	-83.71	1,466.19	948.90	1,560.62	1,530.04	30.58	51.036		
3,400.00	3,325.60	3,287.21	3,287.14	17.22	14.23	-84.43	1,466.48	948.27	1,558.31	1,526.87	31.45	49.555		
3,500.00	3,422.79	3,376.99	3,376.92	17.75	14.60	-85.23	1,467.45	947.74	1,557.10	1,524.76	32.34	48.141		
3,600.00	3,519.98	3,470.54	3,470.45	18.27	14.99	-86.06	1,468.72	947.44	1,556.58	1,523.33	33.26	46.803		
3,640.03	3,558.89	3,508.28	3,508.20	18.48	15.15	-86.39	1,469.29	947.30	1,556.53	1,522.91	33.63	46.291 CC		
3,700.00	3,617.17	3,561.96	3,561.86	18.80	15.37	-86.87	1,470.18	947.19	1,556.68	1,522.51	34.16	45.567		
3,800.00	3,714.36	3,655.33	3,655.22	19.33	15.76	-87.68	1,471.99	947.23	1,557.50	1,522.42	35.07	44.405		
3,900.00	3,811.55	3,752.13	3,752.00	19.86	16.17	-88.53	1,473.98	947.14	1,558.78	1,522.78	36.00	43.297		
4,000.00	3,908.74	3,856.13	3,855.97	20.39	16.60	-89.44	1,475.98	947.00	1,560.31	1,523.34	36.96	42.213		
4,100.00	4,005.92	3,961.02	3,960.85	20.92	17.04	-90.38	1,477.39	946.41	1,561.59	1,523.66	37.93	41.175		
4,200.00	4,103.11	4,062.09	4,061.92	21.45	17.47	-91.28	1,478.43	945.60	1,562.93	1,524.06	38.87	40.207		
4,300.00	4,200.30	4,160.89	4,160.71	21.98	17.88	-92.16	1,479.24	944.86	1,564.45	1,524.64	39.81	39.300		
4,400.00	4,297.49	4,259.99	4,259.80	22.51	18.30	-93.04	1,479.95	944.30	1,566.26	1,525.52	40.74	38.441		
4,500.00	4,394.68	4,358.65	4,358.46	23.04	18.71	-93.91	1,480.52	943.65	1,568.30	1,526.62	41.68	37.628		
4,600.00	4,491.87	4,456.89	4,456.70	23.57	19.13	-94.77	1,481.02	943.10	1,570.64	1,528.03	42.61	36.861		
4,700.00	4,589.06	4,552.70	4,552.51	24.10	19.53	-95.60	1,481.46	942.74	1,573.31	1,529.78	43.53	36.143		
4,800.00	4,686.25	4,650.61	4,650.42	24.64	19.94	-96.45	1,482.03	942.32	1,576.45	1,532.00	44.46	35.460		
4,900.00	4,783.43	4,754.45	4,754.26	25.17	20.38	-97.35	1,482.34	941.95	1,579.68	1,534.27	45.41	34.786		

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

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

Offset Design													Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,880.62	4,857.44	4,857.24	25.70	20.82	-98.23	1,482.18	941.43	1,582.82	1,536.46	46.36	34.142				
5,100.00	4,977.81	4,959.60	4,959.40	26.23	21.25	-99.11	1,481.70	940.95	1,586.02	1,538.72	47.30	33.529				
5,200.00	5,075.00	5,063.59	5,063.39	26.77	21.69	-100.00	1,480.83	940.53	1,589.21	1,540.96	48.25	32.936				
5,300.00	5,172.19	5,158.98	5,158.77	27.30	22.09	-100.81	1,479.77	940.22	1,592.49	1,543.32	49.16	32.392				
5,400.00	5,269.38	5,260.82	5,260.61	27.83	22.52	-101.65	1,478.86	940.42	1,596.27	1,546.17	50.10	31.861				
5,457.75	5,325.51	5,320.32	5,320.10	28.14	22.77	-102.15	1,478.03	940.41	1,598.32	1,547.68	50.64	31.560				
5,500.00	5,366.64	5,358.60	5,358.37	28.37	22.94	-102.49	1,477.51	940.39	1,599.86	1,548.84	51.02	31.360				
5,600.00	5,464.53	5,455.00	5,454.77	28.87	23.34	-103.25	1,476.43	940.32	1,603.36	1,551.46	51.90	30.890				
5,700.00	5,563.07	5,552.98	5,552.75	29.35	23.76	-103.90	1,475.21	939.89	1,606.22	1,553.45	52.78	30.435				
5,800.00	5,662.15	5,651.56	5,651.31	29.80	24.18	-104.43	1,474.11	939.46	1,608.51	1,554.88	53.63	29.995				
5,900.00	5,761.64	5,750.73	5,750.47	30.23	24.60	-104.82	1,472.94	939.04	1,609.96	1,555.50	54.46	29.563				
6,000.00	5,861.42	5,849.01	5,848.76	30.64	25.01	-105.08	1,471.91	938.74	1,610.68	1,555.41	55.27	29.142				
6,100.00	5,961.36	5,947.08	5,946.81	31.02	25.43	-105.20	1,470.93	938.31	1,610.57	1,554.51	56.06	28.727				
6,138.64	6,000.00	5,984.37	5,984.10	31.16	25.59	-9.70	1,470.59	938.10	1,610.33	1,553.97	56.36	28.571				
6,200.00	6,061.36	6,041.56	6,041.29	31.38	25.83	-9.72	1,470.16	937.73	1,609.94	1,553.12	56.82	28.332				
6,300.00	6,161.36	6,137.66	6,137.39	31.74	26.24	-9.75	1,469.74	936.94	1,609.65	1,552.06	57.59	27.950				
6,400.00	6,261.36	6,238.56	6,238.28	32.10	26.67	-9.78	1,469.28	936.20	1,609.33	1,550.95	58.38	27.566				
6,500.00	6,361.36	6,335.20	6,334.92	32.46	27.08	-9.80	1,468.95	935.48	1,609.11	1,549.96	59.15	27.202				
6,534.48	6,395.85	6,368.13	6,367.85	32.58	27.22	-9.81	1,468.89	935.24	1,609.10	1,549.68	59.42	27.081				
6,562.02	6,423.38	6,394.42	6,394.14	32.68	27.33	-9.82	1,468.87	935.06	1,609.11	1,549.48	59.63	26.985				
6,600.00	6,461.34	6,432.61	6,432.32	32.82	27.49	80.53	1,468.86	934.82	1,608.95	1,549.02	59.93	26.848				
6,650.00	6,511.08	6,483.13	6,482.85	32.99	27.71	80.76	1,468.83	934.52	1,608.16	1,547.84	60.32	26.659				
6,700.00	6,560.29	6,531.68	6,531.40	33.17	27.91	81.18	1,468.80	934.27	1,606.77	1,546.05	60.72	26.463				
6,750.00	6,608.64	6,578.67	6,578.39	33.36	28.11	81.76	1,468.81	934.08	1,604.87	1,543.76	61.12	26.258				
6,800.00	6,655.86	6,625.46	6,625.17	33.56	28.31	82.50	1,468.87	933.93	1,602.59	1,541.05	61.54	26.043				
6,850.00	6,701.64	6,671.64	6,671.36	33.78	28.51	83.39	1,468.91	933.74	1,599.98	1,538.01	61.97	25.818				
6,900.00	6,745.71	6,715.61	6,715.32	34.01	28.70	84.37	1,468.95	933.51	1,597.21	1,534.79	62.42	25.589				
6,950.00	6,787.79	6,756.70	6,756.41	34.27	28.87	85.40	1,469.00	933.29	1,594.47	1,531.59	62.88	25.358				
7,000.00	6,827.62	6,795.62	6,795.34	34.56	29.04	86.47	1,469.07	933.08	1,591.94	1,528.58	63.36	25.125				
7,050.00	6,864.96	6,833.93	6,833.64	34.87	29.20	87.57	1,469.15	932.91	1,589.81	1,525.93	63.87	24.891				
7,100.00	6,899.58	6,869.55	6,869.26	35.21	29.35	88.64	1,469.21	932.83	1,588.23	1,523.82	64.41	24.660				
7,150.00	6,931.26	6,902.00	6,901.72	35.60	29.49	89.62	1,469.25	932.82	1,587.42	1,522.45	64.96	24.436				
7,165.35	6,940.37	6,911.31	6,911.02	35.72	29.53	89.89	1,469.26	932.83	1,587.35	1,522.21	65.14	24.368				
7,200.00	6,959.81	6,929.77	6,929.48	36.02	29.61	90.42	1,469.29	932.82	1,587.58	1,522.04	65.53	24.225 ES				
7,250.00	6,985.06	6,954.47	6,954.18	36.47	29.71	91.07	1,469.33	932.80	1,588.90	1,522.77	66.13	24.028				
7,300.00	7,006.84	6,975.85	6,975.56	36.97	29.80	91.53	1,469.37	932.76	1,591.51	1,524.77	66.74	23.846				
7,350.00	7,025.02	6,993.77	6,993.48	37.51	29.88	91.77	1,469.41	932.72	1,595.55	1,528.19	67.36	23.685				
7,400.00	7,039.49	7,008.26	7,007.97	38.09	29.94	91.76	1,469.45	932.68	1,601.09	1,533.09	68.00	23.547				
7,450.00	7,050.17	7,019.04	7,018.75	38.70	29.99	91.50	1,469.48	932.66	1,608.18	1,539.56	68.62	23.435				
7,500.00	7,056.98	7,025.93	7,025.64	39.33	30.01	90.95	1,469.49	932.64	1,616.84	1,547.60	69.24	23.352				
7,550.00	7,059.89	7,028.91	7,028.62	39.99	30.03	90.12	1,469.50	932.64	1,627.03	1,557.20	69.83	23.299				
7,560.55	7,060.00	7,029.04	7,028.75	40.13	30.03	89.91	1,469.50	932.64	1,629.37	1,559.42	69.95	23.293				
7,600.00	7,060.09	7,029.20	7,028.91	40.67	30.03	89.92	1,469.50	932.64	1,638.70	1,568.29	70.41	23.275 SF				
7,700.00	7,060.32	7,029.60	7,029.31	42.14	30.03	89.93	1,469.50	932.64	1,666.30	1,594.72	71.57	23.281				
7,800.00	7,060.55	7,029.99	7,029.70	43.75	30.03	89.95	1,469.50	932.64	1,699.34	1,626.60	72.74	23.362				
7,900.00	7,060.78	7,030.38	7,030.10	45.48	30.03	89.96	1,469.50	932.64	1,737.52	1,663.64	73.88	23.518				
8,000.00	7,061.01	7,030.77	7,030.48	47.33	30.04	89.98	1,469.50	932.64	1,780.50	1,705.53	74.97	23.749				
8,100.00	7,061.24	7,031.16	7,030.87	49.27	30.04	89.99	1,469.50	932.64	1,827.95	1,751.94	76.00	24.051				
8,200.00	7,061.47	7,031.54	7,031.26	51.29	30.04	90.00	1,469.51	932.64	1,879.52	1,802.55	76.97	24.419				
8,300.00	7,061.70	7,031.92	7,031.64	53.40	30.04	90.02	1,469.51	932.63	1,934.89	1,857.03	77.86	24.850				
8,400.00	7,061.93	7,032.30	7,032.02	55.57	30.04	90.03	1,469.51	932.63	1,993.75	1,915.06	78.68	25.339				
8,500.00	7,062.16	7,032.68	7,032.39	57.80	30.04	90.04	1,469.51	932.63	2,055.78	1,976.35	79.43	25.881				

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,062.39	7,033.05	7,032.77	60.08	30.04	90.06	1,469.51	932.63	2,120.72	2,040.60	80.11	26.471		
8,700.00	7,062.63	7,033.42	7,033.14	62.42	30.05	90.07	1,469.51	932.63	2,188.30	2,107.57	80.73	27.106		
8,800.00	7,062.86	7,033.79	7,033.50	64.79	30.05	90.08	1,469.51	932.63	2,258.29	2,177.00	81.29	27.780		
8,900.00	7,063.09	7,034.16	7,033.87	67.20	30.05	90.10	1,469.51	932.63	2,330.47	2,248.67	81.80	28.491		
9,000.00	7,063.32	7,034.52	7,034.23	69.65	30.05	90.11	1,469.51	932.63	2,404.64	2,322.39	82.25	29.235		
9,100.00	7,063.55	7,034.88	7,034.60	72.12	30.05	90.12	1,469.51	932.63	2,480.62	2,397.96	82.66	30.009		
9,200.00	7,063.78	7,035.24	7,034.95	74.63	30.05	90.14	1,469.51	932.63	2,558.26	2,475.23	83.03	30.811		
9,300.00	7,064.01	7,035.60	7,035.31	77.16	30.06	90.15	1,469.52	932.63	2,637.40	2,554.04	83.37	31.637		
9,400.00	7,064.24	7,035.95	7,035.66	79.71	30.06	90.16	1,469.52	932.63	2,717.92	2,634.26	83.67	32.485		
9,500.00	7,064.47	7,036.30	7,036.01	82.28	30.06	90.18	1,469.52	932.63	2,799.70	2,715.76	83.94	33.354		
9,600.00	7,064.70	7,036.65	7,036.36	84.87	30.06	90.19	1,469.52	932.63	2,882.62	2,798.44	84.19	34.241		
9,700.00	7,064.93	7,037.00	7,036.71	87.47	30.06	90.20	1,469.52	932.63	2,966.60	2,882.19	84.41	35.145		
9,800.00	7,065.16	7,037.34	7,037.05	90.09	30.06	90.21	1,469.52	932.63	3,051.55	2,966.93	84.61	36.065		
9,900.00	7,065.39	7,037.68	7,037.40	92.73	30.06	90.23	1,469.52	932.63	3,137.38	3,052.58	84.80	36.998		
10,000.00	7,065.62	7,038.02	7,037.74	95.38	30.07	90.24	1,469.52	932.63	3,224.03	3,139.06	84.97	37.945		
10,100.00	7,065.85	7,038.36	7,038.07	98.04	30.07	90.25	1,469.52	932.62	3,311.43	3,226.31	85.12	38.903		
10,200.00	7,066.08	7,038.70	7,038.41	100.71	30.07	90.26	1,469.52	932.62	3,399.52	3,314.26	85.26	39.872		
10,300.00	7,066.31	7,039.03	7,038.74	103.39	30.07	90.27	1,469.52	932.62	3,488.26	3,402.87	85.39	40.851		
10,400.00	7,066.54	7,039.36	7,039.07	106.08	30.07	90.29	1,469.52	932.62	3,577.59	3,492.08	85.51	41.838		
10,500.00	7,066.77	7,039.69	7,039.40	108.78	30.07	90.30	1,469.53	932.62	3,667.48	3,581.86	85.62	42.834		
10,600.00	7,067.01	7,040.02	7,039.73	111.48	30.07	90.31	1,469.53	932.62	3,757.87	3,672.15	85.72	43.838		
10,700.00	7,067.24	7,040.34	7,040.05	114.20	30.08	90.32	1,469.53	932.62	3,848.74	3,762.92	85.82	44.849		
10,800.00	7,067.47	7,040.66	7,040.38	116.92	30.08	90.33	1,469.53	932.62	3,940.05	3,854.15	85.90	45.866		
10,900.00	7,067.70	7,040.99	7,040.70	119.65	30.08	90.34	1,469.53	932.62	4,031.77	3,945.79	85.99	46.889		
11,000.00	7,067.93	7,041.30	7,041.02	122.38	30.08	90.36	1,469.53	932.62	4,123.88	4,037.82	86.06	47.917		
11,100.00	7,068.16	7,041.62	7,041.33	125.12	30.08	90.37	1,469.53	932.62	4,216.35	4,130.21	86.14	48.950		
11,200.00	7,068.39	7,041.93	7,041.65	127.86	30.08	90.38	1,469.53	932.62	4,309.15	4,222.95	86.20	49.988		
11,300.00	7,068.62	7,042.25	7,041.96	130.61	30.08	90.39	1,469.53	932.62	4,402.27	4,316.01	86.27	51.030		
11,400.00	7,068.85	7,042.56	7,042.27	133.37	30.09	90.40	1,469.53	932.62	4,495.69	4,409.36	86.33	52.076		
11,500.00	7,069.08	7,042.87	7,042.58	136.12	30.09	90.41	1,469.53	932.62	4,589.38	4,502.99	86.39	53.126		
11,600.00	7,069.31	7,043.17	7,042.88	138.89	30.09	90.42	1,469.53	932.62	4,683.33	4,596.89	86.44	54.178		
11,700.00	7,069.54	7,043.48	7,043.19	141.65	30.09	90.43	1,469.53	932.62	4,777.53	4,691.04	86.50	55.234		
11,800.00	7,069.77	7,043.78	7,043.49	144.42	30.09	90.45	1,469.54	932.62	4,871.96	4,785.41	86.55	56.292		
11,900.00	7,070.00	7,044.08	7,043.79	147.19	30.09	90.46	1,469.54	932.62	4,966.61	4,880.01	86.60	57.353		
12,000.00	7,070.23	7,044.38	7,044.09	149.97	30.09	90.47	1,469.54	932.62	5,061.46	4,974.82	86.65	58.416		
12,100.00	7,070.46	7,044.68	7,044.39	152.75	30.09	90.48	1,469.54	932.62	5,156.51	5,069.82	86.69	59.481		
12,200.00	7,070.69	7,044.97	7,044.68	155.53	30.10	90.49	1,469.54	932.62	5,251.74	5,165.01	86.74	60.548		
12,300.00	7,070.92	7,045.27	7,044.98	158.32	30.10	90.50	1,469.54	932.62	5,347.15	5,260.37	86.78	61.616		
12,400.00	7,071.16	7,045.56	7,045.27	161.10	30.10	90.51	1,469.54	932.62	5,442.72	5,355.90	86.82	62.686		
12,500.00	7,071.39	7,045.85	7,045.56	163.89	30.10	90.52	1,469.54	932.62	5,538.45	5,451.58	86.87	63.757		
12,600.00	7,071.62	7,046.14	7,045.85	166.69	30.10	90.53	1,469.54	932.61	5,634.33	5,547.42	86.91	64.830		
12,700.00	7,071.85	7,046.42	7,046.13	169.48	30.10	90.54	1,469.54	932.61	5,730.34	5,643.39	86.95	65.903		
12,800.00	7,072.08	7,046.71	7,046.42	172.28	30.10	90.55	1,469.54	932.61	5,826.49	5,739.50	86.99	66.978		
12,900.00	7,072.31	7,046.99	7,046.70	175.08	30.10	90.56	1,469.54	932.61	5,922.77	5,835.74	87.03	68.053		
13,000.00	7,072.54	7,047.27	7,046.98	177.88	30.11	90.57	1,469.54	932.61	6,019.17	5,932.10	87.07	69.128		
13,100.00	7,072.77	7,047.55	7,047.26	180.68	30.11	90.58	1,469.54	932.61	6,115.69	6,028.57	87.11	70.204		
13,200.00	7,073.00	7,047.83	7,047.54	183.48	30.11	90.59	1,469.54	932.61	6,212.31	6,125.16	87.15	71.281		
13,300.00	7,073.23	7,048.11	7,047.82	186.29	30.11	90.60	1,469.55	932.61	6,309.04	6,221.85	87.19	72.358		
13,400.00	7,073.46	7,048.38	7,048.09	189.09	30.11	90.61	1,469.55	932.61	6,405.87	6,318.64	87.23	73.435		
13,500.00	7,073.69	7,048.65	7,048.37	191.90	30.11	90.62	1,469.55	932.61	6,502.80	6,415.53	87.27	74.512		
13,600.00	7,073.92	7,048.92	7,048.64	194.71	30.11	90.63	1,469.55	932.61	6,599.82	6,512.51	87.31	75.589		
13,700.00	7,074.15	7,049.19	7,048.91	197.52	30.11	90.64	1,469.55	932.61	6,696.93	6,609.57	87.35	76.666		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
13,800.00	7,074.38	7,049.46	7,049.17	200.34	30.11	90.65	1,469.55	932.61	6,794.12	6,706.72	87.39	77.743		
13,900.00	7,074.61	7,049.73	7,049.44	203.15	30.12	90.66	1,469.55	932.61	6,891.39	6,803.95	87.43	78.820		
14,000.00	7,074.84	7,049.99	7,049.71	205.97	30.12	90.67	1,469.55	932.61	6,988.73	6,901.26	87.47	79.896		
14,100.00	7,075.07	7,050.26	7,049.97	208.78	30.12	90.68	1,469.55	932.61	7,086.16	6,998.64	87.51	80.972		
14,200.00	7,075.30	7,050.52	7,050.23	211.60	30.12	90.69	1,469.55	932.61	7,183.65	7,096.09	87.55	82.047		
14,300.00	7,075.54	7,050.78	7,050.49	214.42	30.12	90.70	1,469.55	932.61	7,281.21	7,193.61	87.60	83.122		
14,400.00	7,075.77	7,051.04	7,050.75	217.24	30.12	90.71	1,469.55	932.61	7,378.83	7,291.20	87.64	84.197		
14,500.00	7,076.00	7,051.30	7,051.01	220.06	30.12	90.72	1,469.55	932.61	7,476.52	7,388.84	87.68	85.270		
14,600.00	7,076.23	7,051.55	7,051.27	222.88	30.12	90.73	1,469.55	932.61	7,574.27	7,486.55	87.72	86.344		
14,700.00	7,076.46	7,051.81	7,051.52	225.70	30.12	90.73	1,469.55	932.61	7,672.08	7,584.31	87.77	87.416		
14,800.00	7,076.69	7,052.06	7,051.77	228.53	30.13	90.74	1,469.55	932.61	7,769.94	7,682.13	87.81	88.487		
14,900.00	7,076.92	7,052.31	7,052.03	231.35	30.13	90.75	1,469.56	932.61	7,867.86	7,780.01	87.85	89.558		
15,000.00	7,077.15	7,052.56	7,052.28	234.18	30.13	90.76	1,469.56	932.61	7,965.83	7,877.93	87.90	90.628		
15,100.00	7,077.38	7,052.81	7,052.53	237.00	30.13	90.77	1,469.56	932.61	8,063.84	7,975.90	87.94	91.696		
15,200.00	7,077.61	7,053.06	7,052.77	239.83	30.13	90.78	1,469.56	932.61	8,161.91	8,073.92	87.99	92.764		
15,300.00	7,077.84	7,053.31	7,053.02	242.66	30.13	90.79	1,469.56	932.61	8,260.02	8,171.99	88.03	93.831		
15,400.00	7,078.07	7,053.55	7,053.26	245.49	30.13	90.80	1,469.56	932.61	8,358.18	8,270.10	88.08	94.896		
15,500.00	7,078.30	7,053.79	7,053.51	248.31	30.13	90.81	1,469.56	932.61	8,456.38	8,368.26	88.12	95.960		
15,600.00	7,078.53	7,054.04	7,053.75	251.14	30.13	90.82	1,469.56	932.61	8,554.62	8,466.45	88.17	97.024		
15,700.00	7,078.76	7,054.28	7,053.99	253.97	30.13	90.82	1,469.56	932.61	8,652.90	8,564.69	88.22	98.085		
15,800.00	7,078.99	7,054.52	7,054.23	256.80	30.14	90.83	1,469.56	932.61	8,751.22	8,662.96	88.27	99.146		
15,900.00	7,079.22	7,054.76	7,054.47	259.64	30.14	90.84	1,469.56	932.61	8,849.58	8,761.27	88.31	100.205		
16,000.00	7,079.45	7,054.99	7,054.70	262.47	30.14	90.85	1,469.56	932.61	8,947.98	8,859.62	88.36	101.263		
16,100.00	7,079.69	7,055.23	7,054.94	265.30	30.14	90.86	1,469.56	932.61	9,046.41	8,958.00	88.41	102.320		
16,200.00	7,079.92	7,055.46	7,055.17	268.13	30.14	90.87	1,469.56	932.61	9,144.87	9,056.41	88.46	103.375		
16,300.00	7,080.15	7,055.69	7,055.41	270.97	30.14	90.88	1,469.56	932.61	9,243.37	9,154.86	88.51	104.429		
16,400.00	7,080.38	7,055.93	7,055.64	273.80	30.14	90.88	1,469.56	932.61	9,341.90	9,253.34	88.56	105.481		
16,500.00	7,080.61	7,056.16	7,055.87	276.64	30.14	90.89	1,469.56	932.61	9,440.46	9,351.84	88.62	106.532		
16,600.00	7,080.84	7,056.39	7,056.10	279.47	30.14	90.90	1,469.56	932.61	9,539.05	9,450.38	88.67	107.581		
16,700.00	7,081.07	7,056.61	7,056.33	282.31	30.14	90.91	1,469.57	932.61	9,637.67	9,548.95	88.72	108.629		
16,800.00	7,081.30	7,056.84	7,056.55	285.14	30.15	90.92	1,469.57	932.60	9,736.32	9,647.54	88.77	109.675		
16,900.00	7,081.53	7,057.07	7,056.78	287.98	30.15	90.92	1,469.57	932.60	9,834.99	9,746.16	88.83	110.719		
17,000.00	7,081.76	7,057.29	7,057.00	290.82	30.15	90.93	1,469.57	932.60	9,933.69	9,844.81	88.88	111.762		

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

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

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

Offset Depths are relative to Offset Datum

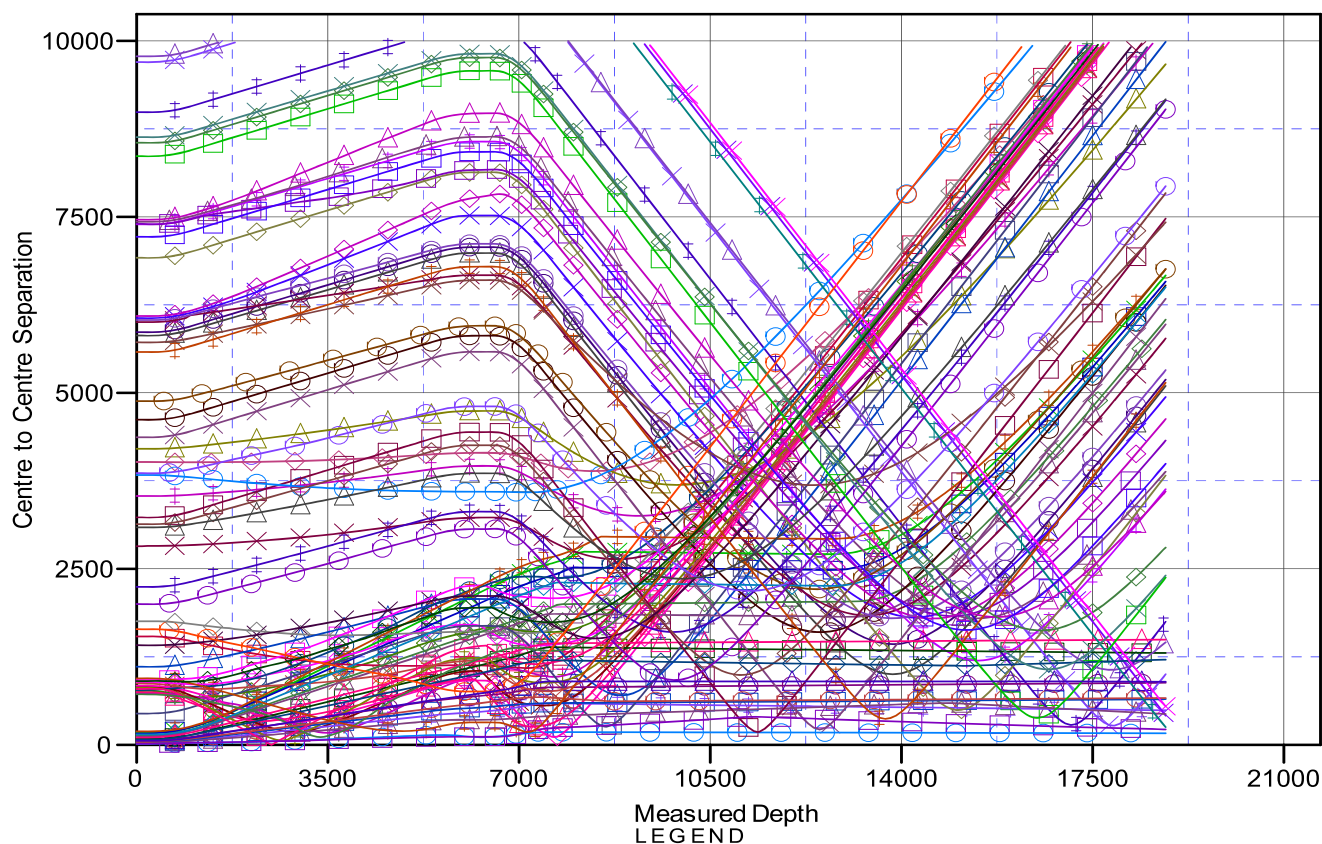
Central Meridian is -105.5000000

Coordinates are relative to: Falken 33N-9B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Ladder Plot



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

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
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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

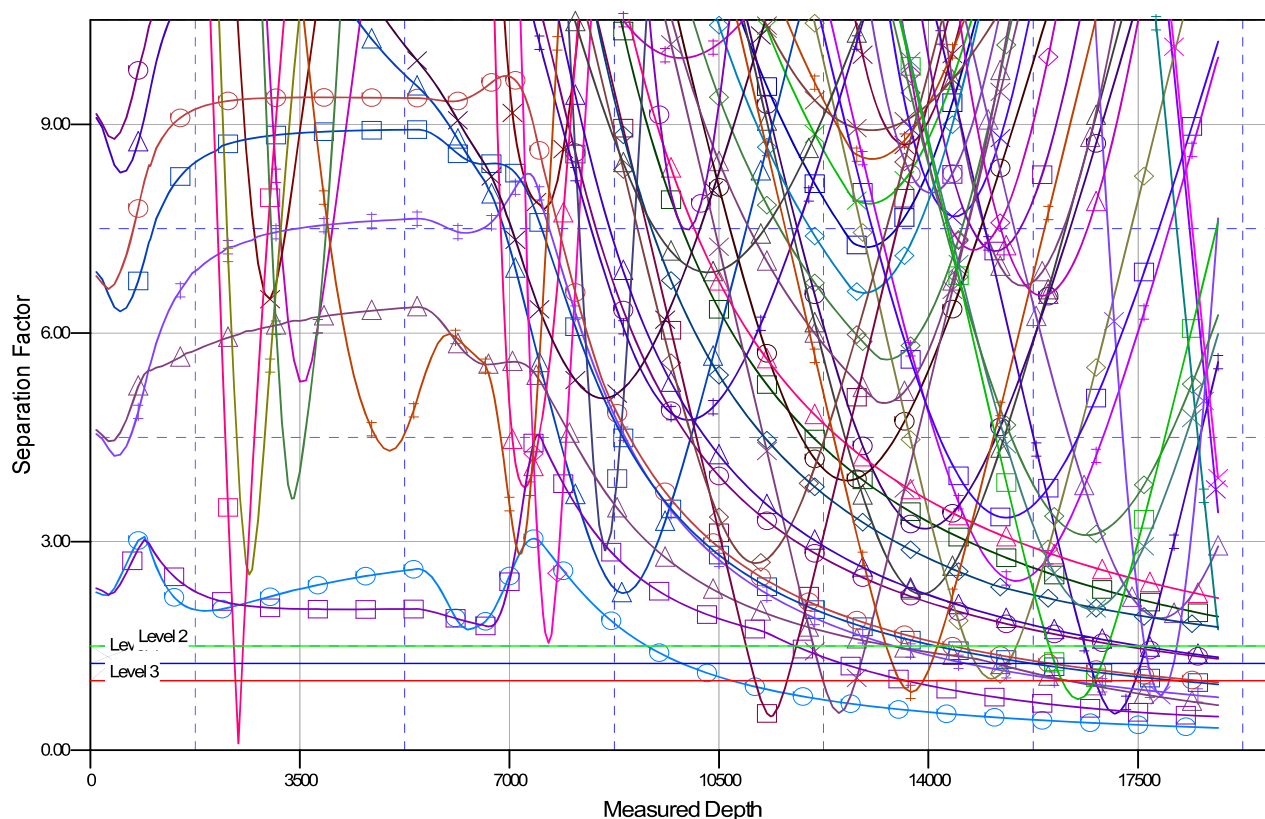
Central Meridian is -105.5000000

Coordinates are relative to: Falken 33N-9B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Separation Factor Plot



LEGEND

Fagerberg 15N-7A-M, OH, OH V0	Merrit#6-66-9-0857BH(PR), OH, OH V0	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	Harvesters Resources #15U-203(PR), OH, OH V0	MONTERA #11-14(PR), OH, OH V0
Falken 4N-14C-S, OH, Plan #1 V0	JOHNSON #2(PA), OH, OH V0	Falken 33N-9C-L, OH, Plan #1 V0
ANDERSON #1-10-6-66(PA), OH, OH V0	OPAL #1(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
Harvesters Resources #15R-323(PR), OH, OH V0	Fagerberg 11N-7A-M, OH, OH V0	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	Fagerberg 23N-7C-M, OH, OH V0	JOHNSON #1(PA), OH, OH V0
Fagerberg 25N(S)-7B-M, OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	MICHAEL #14-2, OH, OH V0
JOHNSON #11-16G(TA), OH, OH V0	Falken 4N-14A-S, OH, Plan#1 V0	OTTOSON #12-12(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	GLEESPE #11-1(PA), OH, OH V0	Merrit#6-66-9-0758CDH(PR), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	ANDERSON JANUARY #1(PR), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
Falken 33C-9-L, OH, Plan #1 V0		Fagerberg 36C-7-M, OH, OH V0