Synergy Resources Corporation

SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 31C-14-S

Plan #1
Plan #1

Anticollision Report

25 April, 2017

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

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

Survey Tool Program **Date** 4/24/2017

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	13,480.77	Plan #1 (Plan #1)	MWD+IFR1	OWSG MWD + IFR1

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Falken 9-11 PAD						
146 COMPANY #14-1 - OH - OH	13,126.22	7,223.94	768.56	356.88	1.867	CC, ES, SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,480.77	7,264.00	2,206.14	1,808.27	5.545	CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	13,480.77	7,302.00	5,168.50	4,767.17	12.878	CC, ES, SF
ANDERSON #42-10(PR) - OH - OH	13,480.77	7,308.00	4,489.87	4,072.57	10.759	CC, ES, SF
ANDERSON/JANUARY #1(PR) - OH - OH	13,265.63	7,283.75	3,141.20	2,723.57	7.522	CC
ANDERSON/JANUARY #1(PR) - OH - OH	13,400.00	7,284.53	3,144.07	2,722.49	7.458	ES
ANDERSON/JANUARY #1(PR) - OH - OH	13,480.77	7,285.00	3,148.56	2,724.74	7.429	SF
BLACK GOLD #5(PR) - OH - OH	13,480.77	7,306.00	5,102.53	4,757.98	14.810	CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	13,480.77	7,275.00	5,424.01	5,103.15	16.905	CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	13,480.77	7,248.90	6,042.64	5,918.84	48.808	CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	13,480.77	7,276.00	4,350.43	4,019.42	13.143	CC, ES, SF
CARLSON #10-1(PA) - OH - OH	13,480.77	7,288.00	5,930.52	5,548.57	15.527	CC, ES, SF
CARLSON #14-1(PR) - OH - OH	9,528.55	7,220.17	317.49	220.02	3.257	CC, ES
CARLSON #14-1(PR) - OH - OH	9,600.00	7,222.33	325.43	224.64	3.229	SF
CARLSON #14-2(SI) - OH - OH	10,632.68	7,205.45	751.06	407.16	2.184	CC, ES, SF
Fagerberg 11C-7-M - OH - OH	2,002.57	1,917.61	244.05	225.29	13.011	CC, ES
Fagerberg 11C-7-M - OH - OH	2,100.00	1,990.70	251.99	232.35	12.832	SF
Fagerberg 11N-7A-M - OH - OH	1,774.64	1,721.71	240.10	222.58	13.707	CC, ES
Fagerberg 11N-7A-M - OH - OH	1,900.00	1,825.76	250.29	231.62	13.403	SF
Fagerberg 15N-7A-M - OH - OH	2,873.42	2,727.42	96.85	67.30	3.277	CC, ES
Fagerberg 15N-7A-M - OH - OH	2,900.00	2,753.20	97.15	67.47	3.273	SF
Fagerberg 23N-7C-M - OH - OH	2,634.88	2,489.15	9.33	-17.03	0.354	Level 1, CC, ES, SF
Fagerberg 25N(S)-7B-M - OH - OH	1,813.47	1,743.03	304.89	287.29	17.322	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	1,900.00	1,807.33	310.18	291.76	16.842	SF
Fagerberg 25N-7B-M - OH - OH	1,579.84	1,540.45	364.82	348.92	22.956	CC, ES
Fagerberg 25N-7B-M - OH - OH	1,700.00	1,627.96	374.28	357.27	22.013	SF
Fagerberg 25N-7C-M - OH - OH	1,670.90	1,619.18	346.62	330.43	21.408	CC, ES
Fagerberg 25N-7C-M - OH - OH	1,800.00	1,711.51	358.24	340.88	20.632	SF
Fagerberg 28N-18B-M - OH - OH	3,917.15	3,666.49	279.04	237.19	6.668	CC
Fagerberg 28N-18B-M - OH - OH	4,000.00	3,743.78	280.18	236.98	6.486	ES
Fagerberg 28N-18B-M - OH - OH	4,300.00	4,029.63	301.57	253.64	6.292	SF
Fagerberg 36C-7-M - OH - OH	3,628.97	3,406.08	164.25	125.98	4.292	CC, ES
Fagerberg 36C-7-M - OH - OH	3,700.00	3,471.97	166.29	126.80	4.211	SF
Fagerberg 36N-7B-M - OH - OH	3,263.99	3,067.34	52.54	18.76	1.555	CC, ES, SF
Fagerberg 3C-18-M - OH - OH	3,850.71	3,663.87	107.13	66.40	2.630	CC
Fagerberg 3C-18-M - OH - OH	3,900.00	3,711.18	107.93	66.04	2.577	ES, SF
Fagerberg 6C-7-M - OH - OH	2,104.24	1,988.59	366.13	345.77	17.987	CC, ES

CC - Min centre to center distance or covergent 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 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Plan #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Falken 9-11 PAD						
Fagerberg 6C-7-M - OH - OH	2,300.00	2,152.74	380.60	358.37	17.121	SF
Fagerberg 6N-7C-M - OH - OH	2,036.28	1,933.55	383.46	363.81	19.516	CC, ES
Fagerberg 6N-7C-M - OH - OH	2,300.00	2,148.29	408.68	386.59	18.499	SF
Falken 16C-9-L - OH - Plan #1	300.00	300.00	135.16	128.27	19.618	CC, ES
Falken 16C-9-L - OH - Plan #1	13,480.77	12,953.74	2,035.90	1,695.27	5.977	SF
Falken 16N-9B-L - OH - Plan #1	553.09	562.46	115.82	107.94	14.705	CC
Falken 16N-9B-L - OH - Plan #1	600.00	610.43	115.95	107.83	14.288	ES
Falken 16N-9B-L - OH - Plan #1	13,480.77	12,813.03	1,780.20	1,442.66	5.274	SF
Falken 30C-14-S - OH - Plan #1	802.80	810.92	50.16	40.84	5.382	CC
Falken 30C-14-S - OH - Plan #1	900.00	908.91	50.59	40.60	5.064	ES
Falken 30C-14-S - OH - Plan #1	13,480.77	13,155.52	895.35	554.40	2.626	SF
Falken 30N-14B-S - OH - Plan #1	790.04	800.35	65.57	56.32	7.089	CC
Falken 30N-14B-S - OH - Plan #1	900.00	911.60	66.11	56.11	6.608	ES
Falken 30N-14B-S - OH - Plan #1	13,480.77	12,956.70	1,107.32	771.69	3.299	SF
Falken 31N-14B-S - OH - Plan #1	300.00	300.00	14.94	8.05	2.168	CC
Falken 31N-14B-S - OH - Plan #1	13,480.77	13,256.62	268.09	-1.58	0.994	Level 1, ES, SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	255.02	248.35	38.211	CC, ES
Falken 32C-9-L - OH - Plan #1	13,480.77	12,926.57	3,748.06	3,407.43	11.003	SF
Falken 32N-9B-L - OH - Plan #1	300.00	300.00	240.09	233.20	34.847	CC, ES
Falken 32N-9B-L - OH - Plan #1	13,480.77	12,746.27	3,545.09	3,205.16	10.429	SF
Falken 33C-9-L - OH - Plan #1	300.00	300.00	165.04	158.15	23.954	CC, ES
Falken 33C-9-L - OH - Plan #1	13,480.77	12,907.40	2,402.16	2,061.71	7.056	SF
Falken 33N-9A-L - OH - Plan #1	320.44	321.63	179.64	172.70	25.871	CC, ES
Falken 33N-9A-L - OH - Plan #1	13,480.77	12,608.33	2,807.76	2,469.99	8.313	SF
Falken 33N-9B-L - OH - Plan #1	300.00	300.00	194.91	188.02	28.289	CC, ES
Falken 33N-9B-L - OH - Plan #1	13,480.77	12,745.75	2,926.08	2,585.67	8.596	SF
Falken 33N-9C-L - OH - Plan #1	411.86	417.16	148.25	141.00	20.448	CC, ES
Falken 33N-9C-L - OH - Plan #1	13,480.77	12,838.34	2,288.11	1,948.05	6.729	SF
Falken 34C-9-L - OH - Plan #1	300.00	300.00	104.92	98.03	15.229	CC
Falken 34C-9-L - OH - Plan #1	400.00	402.70	105.21	98.01	14.608	ES
Falken 34C-9-L - OH - Plan #1	13,480.77	13,015.02	1,581.07	1,240.50	4.642	SF
Falken 34N-9C-L - OH - Plan #1	609.87	618.25	84.39	76.22	10.334	CC
Falken 34N-9C-L - OH - Plan #1	700.00	709.81	84.84	76.16	9.779	ES
Falken 34N-9C-L - OH - Plan #1	13,480.77	12,934.28	1,459.15	1,120.83	4.313	SF
Falken 4N-14A-S - OH - Plan #1	300.00	300.00	45.17	38.29	6.557	CC
Falken 4N-14A-S - OH - Plan #1	700.00	705.45	46.23	37.59	5.347	ES
Falken 4N-14A-S - OH - Plan #1	13,480.77	12,999.31	723.28	413.27	2.333	SF
Falken 4N-14C-S - OH - Plan #1	837.68	841.07	18.42	8.91	1.936	CC
Falken 4N-14C-S - OH - Plan #1	900.00	903.43	18.62	8.66	1.870	ES
Falken 4N-14C-S - OH - Plan #1	13,480.77	13,209.11	448.46	118.63	1.360	Level 3, SF
Falken 9C-9-L - OH - Plan #1	261.45	261.46	210.22	203.42	30.947	CC
Falken 9C-9-L - OH - Plan #1	300.00	299.98	210.22	203.33	30.523	ES
Falken 9C-9-L - OH - Plan #1	13,480.77	13,025.11	3,235.79	2,891.67	9.403	SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	225.15	218.48	33.735	CC, ES
Falken 9N-9C-L - OH - Plan #1	13,480.77	12,718.55	3,460.55	3,121.94	10.220	SF
GILLESPIE #11-1(PA) - OH - OH	300.00	304.00	2,378.18	2,365.28	184.366	CC
GILLESPIE #11-1(PA) - OH - OH	400.00	404.02	2,379.82	2,363.43	145.263	ES
GILLESPIE #11-1(PA) - OH - OH	11,900.00	7,248.82	4,730.28	4,353.12	12.542	SF
Harvesters Resources #15M-303(PR) - OH - OH	12,600.00	12,600.00	3,866.98	3,712.91	25.099	SF
Harvesters Resources #15M-303(PR) - OH - OH	13,480.77	8,206.00	2,987.56	2,894.55	32.119	CC, ES
Harvesters Resources #15M-423(PR) - OH - OH	13,480.77	8,284.00	2,628.04	2,533.90	27.918	CC, ES, SF
Harvesters Resources #15R-243(PR) - OH - OH	13,480.77	8,003.11	2,168.08	2,080.43	24.736	CC, ES, SF
Harvesters Resources #15R-323(PR) - OH - OH	13,480.77	8,066.52	1,505.56	1,418.99	17.391	CC, ES, SF

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

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Falken 9-11 PAD						
Harvesters Resources #15R-403(PR) - OH - OH	13,480.77	8,167.58	1,834.91	1,746.43	20.738	CC, ES, SF
Harvesters Resources #15U-203(PR) - OH - OH	13,480.77	7,978.37	645.94	562.93	7.782	CC, ES, SF
Harvesters Resources #15U-443(PR) - OH - OH	13,480.77	8,121.62	1,089.69	1,003.61	12.660	CC, ES, SF
J.R. #1(PA) - OH - OH	300.00	206.00	1,607.44	1,597.63	163.985	CC
J.R. #1(PA) - OH - OH	400.00	305.98	1,609.12	1,596.01	122.689	ES
J.R. #1(PA) - OH - OH	10,600.00	7,151.26	4,688.92	4,348.01	13.754	SF
Jeff #1 - OH - OH	11,951.01	7,245.32	742.67	582.64	4.641	CC
Jeff #1 - OH - OH	12,000.00	7,245.73	744.29	582.60	4.603	ES, SF
JOHNSON #1(PA) - OH - OH	663.22	661.11	1,900.43	1,892.05	226.783	CC
JOHNSON #1(PA) - OH - OH	1,100.00	1,094.30	1,902.09	1,890.83	169.001	ES
JOHNSON #1(PA) - OH - OH	11,200.00	7,208.79	2,109.07	1,970.58	15.228	SF
JOHNSON #11-16G6(TA - OH - OH	1,544.30	1,486.54	934.82	876.60	16.056	CC
JOHNSON #11-16G6(TA - OH - OH	1,700.00	1,626.13	937.36	873.32	14.636	ES
JOHNSON #11-16G6(TA - OH - OH	10,000.00	7,222.78	2,277.92	1,948.23	6.909	SF
JOHNSON #2(PA) - OH - OH	0.00	0.00	549.12			
JOHNSON #2(PA) - OH - OH	10,900.00	7,241.38	3,563.68	3,435.24	27.746	SF
KRISTY #1(PA) - OH - OH	13,192.84	7,250.37	709.12	515.04	3.654	CC
KRISTY #1(PA) - OH - OH	13,200.00	7,250.39	709.15	514.81	3.649	ES
KRISTY #1(PA) - OH - OH	13,300.00	7,250.75	717.17	520.62	3.649	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	13,480.77	11,976.00	6,793.10	6,635.46	43.093	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	13,480.77	11,988.00	6,507.81	6,351.86	41.731	CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	13,480.77	11,790.00	6,766.26	6,610.05	43.316	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,715.33	7,224.93	581.73	235.03	1.678	CC, ES, SF
Montera #10-33(PR) - OH - OH	13,480.77	7,279.00	4,117.33	3,725.42	10.506	CC, ES, SF
Montera #10-34(PR) - OH - OH	13,480.77	7,266.00	3,173.57	2,826.72	9.150	CC, ES, SF
Montera #10-43(SI) - OH - OH	13,480.77	7,272.00	3,429.28	3,015.03	8.278	CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	12,125.63	7,270.13	3,114.49	2,728.66	8.072	CC
MONTERA I #11-11(PR) - OH - OH	12,200.00	7,270.56	3,115.38	2,727.34	8.028	ES
MONTERA I #11-11(PR) - OH - OH	12,700.00	7,273.46	3,167.01	2,766.05	7.899	SF
MONTERA I #11-14(PR) - OH - OH	11,814.83	7,250.32	1,938.19	1,561.48	5.145	CC
MONTERA I #11-14(PR) - OH - OH	11,900.00	7,250.82	1,940.06	1,560.75	5.115	ES
MONTERA I #11-14(PR) - OH - OH	12,100.00	7,251.98	1,959.06	1,574.53	5.095	SF
MONTERA I #14-8 - OH - OH	9,098.50	7,214.54	935.09	626.98	3.035	CC
MONTERA I #14-8 - OH - OH	9,100.00	7,214.55	935.09	626.97	3.035	ES, SF
OPAL #1(PA) - OH - OH	13,284.29	7,300.86	4,521.88	4,103.13	10.799	CC
OPAL #1(PA) - OH - OH	13,400.00	7,301.53	4,523.36	4,101.23	10.716	ES
OPAL #1(PA) - OH - OH	13,480.77	7,302.00	4,526.14	4,101.71	10.664	SF
OTTOSON #2(PA) - OH - OH	8,000.00	7,159.94	669.11	598.47	9.472	SF
OTTOSON #2(PA) - OH - OH	8,004.88	7,162.02	669.09	598.45	9.472	CC, ES
OTTOSON #3(PR) - OH - OH	3,861.97	3,538.75	458.70	418.80	11.495	CC
OTTOSON #3(PR) - OH - OH	3,900.00	3,572.93	459.00	418.68	11.386	ES
OTTOSON #3(PR) - OH - OH	4,100.00	3,753.50	469.97	427.72	11.123	SF
OTTOSON I #12-12(PR) - OH - OH	510.23	466.86	993.79	986.25	131.793	CC
OTTOSON I #12-12(PR) - OH - OH	600.00	548.65	994.00	986.07	125.352	ES
OTTOSON I #12-12(PR) - OH - OH	9,900.00	7,241.60	3,699.01	3,593.41	35.029	SF
OTTOSON I #12-25(PR) - OH - OH	2,700.07	2,424.52	1,456.06	1,429.37	54.551	CC
OTTOSON I #12-25(PR) - OH - OH	2,800.00	2,514.59	1,456.67	1,428.87	52.388	ES
OTTOSON I #12-25(PR) - OH - OH	6,000.00	5,457.08	2,010.49	1,949.91	33.187	SF
POP I #14-17 - OH - OH	9,916.77	7,216.29	305.50	-20.92	0.936	Level 1, CC, ES, SF
SOUTH WOODS #10-3(PA) - OH - OH	13,480.77	7,258.00	4,996.50	4,632.21	13.716	CC, ES, SF
SOUTHARD #2(PR) - OH - OH	100.00	66.12	1,923.54	1,916.97	292.871	CC
SOUTHARD #2(PR) - OH - OH	305.26	279.30	1,923.75	1,916.88	279.773	ES
SOUTHARD #2(PR) - OH - OH	11,300.00	7,210.35	5,642.48	5,511.98	43.239	SF

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

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning

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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-130.65	-3,641.60	-4,240.81	5,589.90				
100.00	100.00	64.00	64.00	3.28	3.47	-130.65	-3,641.60	-4,240.81	5,589.79	5,583.04	6.75	828.149	
200.00	200.00	164.00	164.00	3.34	5.16	-130.65	-3,641.60	-4,240.81	5,589.79	5,581.29	8.49	658.069	
300.00	300.00	264.00	264.00	3.44	8.16	-130.65	-3,641.60	-4,240.81	5,589.79	5,578.18	11.60	481.713	
400.00	399.98	363.98	363.98	3.60	11.44	74.25	-3,641.60	-4,240.81	5,589.31	5,574.28	15.04	371.705	
500.00	499.84	463.84	463.84	3.79	14.81	74.33	-3,641.60	-4,240.81	5,587.90	5,569.30	18.60	300.423	
600.00	599.45	563.45	563.45	4.02	18.22	74.46	-3,641.60	-4,240.81	5,585.54	5,563.30	22.24	251.154	
700.00	698.70	662.70	662.70	4.29	21.64	74.65	-3,641.60	-4,240.81	5,582.27	5,556.35	25.93	215.308	
800.00	797.47	761.47	761.47	4.59	25.05	74.88	-3,641.60	-4,240.81	5,578.12	5,548.47	29.65	188.157	
900.00	895.62	859.62	859.62	4.93	28.45	75.16	-3,641.60	-4,240.81	5,573.10	5,539.71	33.39	166.928	
1,000.00	993.06	957.06	957.06	5.31	31.83	75.49	-3,641.60	-4,240.81	5,567.26	5,530.12	37.14	149.902	
1,100.00	1,089.64	1,053.64	1,053.64	5.72	35.19	75.87	-3,641.60	-4,240.81	5,560.65	5,519.75	40.90	135.959	
1,200.00	1,185.27	1,149.27	1,149.27	6.16	38.52	76.30	-3,641.60	-4,240.81	5,553.31	5,508.65	44.66	124.340	
1,300.00	1,279.82	1,243.82	1,243.82	6.64	41.81	76.76	-3,641.60	-4,240.81	5,545.32	5,496.90	48.42	114.516	
1,400.00	1,373.17	1,337.17	1,337.17	7.15	45.05	77.27	-3,641.60	-4,240.81	5,536.73	5,484.54	52.18	106.105	
1,500.00	1,465.21	1,429.21	1,429.21	7.70	48.26	77.81	-3,641.60	-4,240.81	5,527.61	5,471.67	55.93	98.827	
1,600.00	1,555.84	1,519.84	1,519.84	8.30	51.42	78.39	-3,641.60	-4,240.81	5,518.04	5,458.36	59.67	92.469	
1,651.50	1,601.92	1,565.92	1,565.92	8.62	53.02	78.70	-3,641.60	-4,240.81	5,512.96	5,451.36	61.60	89.502	
1,700.00	1,645.13	1,609.13	1,609.13	8.93	54.53	78.90	-3,641.60	-4,240.81	5,508.18	5,444.77	63.41	86.870	
1,800.00	1,734.20	1,701.80	1,698.20	9.58	57.76	79.32	-3,641.60	-4,240.81	5,498.58	5,431.30	67.28	81.722	
1,900.00	1,823.28	1,787.28	1,787.28	10.25	60.74	79.74	-3,641.60	-4,240.81	5,489.35	5,418.42	70.93	77.393	
2,000.00	1,912.36	1,876.36	1,876.36	10.94	63.84	80.15	-3,641.60	-4,240.81	5,480.48	5,405.76	74.71	73.354	
2,100.00	2,001.43	1,965.43	1,965.43	11.63	66.95	80.57	-3,641.60	-4,240.81	5,471.97	5,393.46	78.51	69.698	
2,200.00	2,090.51	2,054.51	2,054.51	12.34	70.05	80.99	-3,641.60	-4,240.81	5,463.82	5,381.51	82.32	66.376	
2,300.00	2,179.59	2,143.59	2,143.59	13.05	73.16	81.41	-3,641.60	-4,240.81	5,456.04	5,369.91	86.13	63.345	
2,400.00	2,268.66	2,232.66	2,232.66	13.76	76.27	81.84	-3,641.60	-4,240.81	5,448.63	5,358.68	89.96	60.570	
2,500.00	2,357.74	2,321.74	2,321.74	14.49	79.37	82.26	-3,641.60	-4,240.81	5,441.59	5,347.81	93.79	58.021	
2,600.00	2,446.82	2,410.82	2,410.82	15.21	82.48	82.68	-3,641.60	-4,240.81	5,434.92	5,337.30	97.62	55.673	
2,700.00	2,535.89	2,500.11	2,499.89	15.95	85.60	83.11	-3,641.60	-4,240.81	5,428.63	5,327.15	101.47	53.500	
2,800.00	2,624.97	2,588.97	2,588.97	16.68	88.70	83.53	-3,641.60	-4,240.81	5,422.70	5,317.39	105.31	51.494	
2,900.00	2,714.05	2,678.05	2,678.05	17.42	91.80	83.96	-3,641.60	-4,240.81	5,417.15	5,307.99	109.16	49.627	
3,000.00	2,803.12	2,767.12	2,767.12	18.16	94.91	84.39	-3,641.60	-4,240.81	5,411.98	5,298.97	113.01	47.890	
3,100.00	2,892.20	2,856.20	2,856.20	18.90	98.02	84.81	-3,641.60	-4,240.81	5,407.18	5,290.32	116.86	46.269	
3,200.00	2,981.28	2,945.28	2,945.28	19.65	101.13	85.24	-3,641.60	-4,240.81	5,402.76	5,282.04	120.72	44.754	
3,300.00	3,070.36	3,034.36	3,034.36	20.40	104.24	85.67	-3,641.60	-4,240.81	5,398.72	5,274.14	124.58	43.334	
3,400.00	3,159.43	3,123.43	3,123.43	21.14	107.34	86.10	-3,641.60	-4,240.81	5,395.06	5,266.62	128.44	42.003	
3,500.00	3,248.51	3,212.51	3,212.51	21.89	110.45	86.53	-3,641.60	-4,240.81	5,391.78	5,259.48	132.31	40.752	
3,600.00	3,337.59	3,301.59	3,301.59	22.65	113.56	86.96	-3,641.60	-4,240.81	5,388.89	5,252.71	136.17	39.574	
3,700.00	3,426.66	3,409.34	3,390.66	23.40	117.32	87.39	-3,641.60	-4,240.81	5,386.37	5,245.68	140.69	38.285	
3,800.00	3,515.74	3,479.74	3,479.74	24.15	119.78	87.82	-3,641.60	-4,240.81	5,384.24	5,240.33	143.91	37.415	
3,900.00	3,604.82	3,568.82	3,568.82	24.91	122.89	88.25	-3,641.60	-4,240.81	5,382.49	5,234.71	147.78	36.424	
4,000.00	3,693.89	3,657.89	3,657.89	25.66	125.99	88.68	-3,641.60	-4,240.81	5,381.12	5,229.47	151.64	35.485	
4,100.00	3,782.97	3,746.97	3,746.97	26.42	129.10	89.11	-3,641.60	-4,240.81	5,380.13	5,224.62	155.51	34.596	
4,200.00	3,872.05	3,836.05	3,836.05	27.18	132.21	89.54	-3,641.60	-4,240.81	5,379.53	5,220.15	159.38	33.752	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,300.00	3,961.12	3,925.12	3,925.12	27.94	135.32	89.97	-3,641.60	-4,240.81	5,379.32	5,216.07	163.25	32.951	
4,306.34	3,966.77	3,930.77	3,930.77	27.98	135.52	90.00	-3,641.60	-4,240.81	5,379.32	5,215.82	163.50	32.902	
4,400.00	4,050.20	4,014.20	4,014.20	28.69	138.43	90.40	-3,641.60	-4,240.81	5,379.49	5,212.36	167.12	32.189	
4,500.00	4,139.28	4,103.28	4,103.28	29.45	141.54	90.83	-3,641.60	-4,240.81	5,380.04	5,209.05	170.99	31.464	
4,600.00	4,228.35	4,207.65	4,192.35	30.21	145.18	91.27	-3,641.60	-4,240.81	5,380.97	5,205.58	175.39	30.679	
4,700.00	4,317.43	4,281.43	4,281.43	30.97	147.76	91.70	-3,641.60	-4,240.81	5,382.29	5,203.56	178.73	30.114	
4,800.00	4,406.51	4,370.51	4,370.51	31.73	150.86	92.13	-3,641.60	-4,240.81	5,383.99	5,201.40	182.60	29.486	
4,900.00	4,495.59	4,459.59	4,459.59	32.50	153.97	92.56	-3,641.60	-4,240.81	5,386.08	5,199.61	186.46	28.885	
5,000.00	4,584.66	4,548.66	4,548.66	33.26	157.08	92.99	-3,641.60	-4,240.81	5,388.55	5,198.22	190.33	28.311	
5,100.00	4,673.74	4,637.74	4,637.74	34.02	160.19	93.42	-3,641.60	-4,240.81	5,391.40	5,197.20	194.20	27.763	
5,200.00	4,762.82	4,726.82	4,726.82	34.78	163.30	93.85	-3,641.60	-4,240.81	5,394.63	5,196.56	198.06	27.237	
5,300.00	4,851.89	4,815.89	4,815.89	35.54	166.41	94.28	-3,641.60	-4,240.81	5,398.24	5,196.31	201.93	26.734	
5,400.00	4,940.97	4,904.97	4,904.97	36.31	169.52	94.70	-3,641.60	-4,240.81	5,402.23	5,196.44	205.79	26.251	
5,500.00	5,030.05	5,005.95	4,994.05	37.07	173.04	95.13	-3,641.60	-4,240.81	5,406.60	5,196.54	210.06	25.738	
5,600.00	5,119.12	5,083.12	5,083.12	37.83	175.74	95.56	-3,641.60	-4,240.81	5,411.35	5,197.84	213.51	25.345	
5,700.00	5,208.20	5,172.20	5,172.20	38.60	178.85	95.99	-3,641.60	-4,240.81	5,416.47	5,199.11	217.37	24.919	
5,800.00	5,297.28	5,261.28	5,261.28	39.36	181.96	96.41	-3,641.60	-4,240.81	5,421.98	5,200.75	221.22	24.509	
5,900.00	5,386.35	5,350.35	5,350.35	40.13	185.06	96.84	-3,641.60	-4,240.81	5,427.85	5,202.77	225.08	24.115	
6,000.00	5,475.43	5,439.43	5,439.43	40.89	188.17	97.26	-3,641.60	-4,240.81	5,434.10	5,205.17	228.93	23.737	
6,100.00	5,564.51	5,528.51	5,528.51	41.66	191.28	97.69	-3,641.60	-4,240.81	5,440.73	5,207.94	232.78	23.373	
6,200.00	5,653.58	5,617.58	5,617.58	42.42	194.39	98.11	-3,641.60	-4,240.81	5,447.72	5,211.09	236.63	23.022	
6,300.00	5,742.66	5,706.66	5,706.66	43.19	197.50	98.53	-3,641.60	-4,240.81	5,455.08	5,214.60	240.48	22.684	
6,400.00	5,831.74	5,804.26	5,795.74	43.95	200.91	98.95	-3,641.60	-4,240.81	5,462.82	5,218.19	244.62	22.332	
6,500.00	5,920.82	5,884.82	5,884.82	44.72	203.72	99.37	-3,641.60	-4,240.81	5,470.91	5,222.75	248.17	22.045	
6,600.00	6,009.89	5,973.89	5,973.89	45.48	206.83	99.79	-3,641.60	-4,240.81	5,479.38	5,227.37	252.01	21.743	
6,700.00	6,098.97	6,062.97	6,062.97	46.25	209.94	100.21	-3,641.60	-4,240.81	5,488.21	5,232.36	255.85	21.451	
6,800.00	6,188.05	6,152.05	6,152.05	47.01	213.05	100.63	-3,641.60	-4,240.81	5,497.39	5,237.71	259.69	21.169	
6,900.00	6,277.12	6,241.12	6,241.12	47.78	216.16	101.04	-3,641.60	-4,240.81	5,506.94	5,243.42	263.52	20.898	
7,000.00	6,366.20	6,330.20	6,330.20	48.55	219.27	101.46	-3,641.60	-4,240.81	5,516.85	5,249.49	267.35	20.635	
7,100.00	6,455.28	6,419.28	6,419.28	49.31	222.38	101.87	-3,641.60	-4,240.81	5,527.11	5,255.93	271.18	20.381	
7,197.64	6,542.25	6,506.25	6,506.25	50.06	225.41	102.28	-3,641.60	-4,240.81	5,537.47	5,262.55	274.92	20.142	
7,200.00	6,544.35	6,508.35	6,508.35	50.08	225.49	101.90	-3,641.60	-4,240.81	5,537.72	5,262.71	275.01	20.136	
7,250.00	6,589.22	6,553.22	6,553.22	50.44	227.05	93.47	-3,641.60	-4,240.81	5,541.05	5,264.13	276.92	20.010	
7,300.00	6,634.48	6,601.52	6,598.48	50.77	228.74	84.20	-3,641.60	-4,240.81	5,540.61	5,261.69	278.92	19.865	
7,350.00	6,679.86	6,643.86	6,643.86	51.06	230.22	74.61	-3,641.60	-4,240.81	5,536.38	5,255.70	280.68	19.725	
7,400.00	6,725.09	6,689.09	6,689.09	51.31	231.79	65.29	-3,641.60	-4,240.81	5,528.39	5,245.89	282.49	19.570	
7,450.00	6,769.87	6,733.87	6,733.87	51.52	233.36	56.74	-3,641.60	-4,240.81	5,516.67	5,232.41	284.26	19.407	
7,500.00	6,813.94	6,777.94	6,777.94	51.69	234.90	49.21	-3,641.60	-4,240.81	5,501.29	5,215.33	285.96	19.238	
7,550.00	6,857.03	6,821.03	6,821.03	51.84	236.40	42.74	-3,641.60	-4,240.81	5,482.34	5,194.74	287.59	19.063	
7,600.00	6,898.86	6,862.86	6,862.86	51.95	237.86	37.24	-3,641.60	-4,240.81	5,459.91	5,170.76	289.15	18.883	
7,650.00	6,939.19	6,903.19	6,903.19	52.05	239.27	32.55	-3,641.60	-4,240.81	5,434.14	5,143.52	290.62	18.698	
7,700.00	6,977.75	6,941.75	6,941.75	52.13	240.61	28.51	-3,641.60	-4,240.81	5,405.18	5,113.16	292.02	18.510	
7,750.00	7,014.32	6,978.32	6,978.32	52.20	241.89	24.96	-3,641.60	-4,240.81	5,373.20	5,079.87	293.32	18.318	
7,800.00	7,048.67	7,012.67	7,012.67	52.26	243.09	21.75	-3,641.60	-4,240.81	5,338.38	5,043.84	294.54	18.125	
7,850.00	7,080.59	7,044.59	7,044.59	52.33	244.20	18.72	-3,641.60	-4,240.81	5,300.93	5,005.27	295.66	17.929	
7,900.00	7,109.87	7,073.87	7,073.87	52.39	245.23	15.73	-3,641.60	-4,240.81	5,261.07	4,964.39	296.68	17.733	
7,950.00	7,136.35	7,100.35	7,100.35	52.47	246.15	12.58	-3,641.60	-4,240.81	5,219.04	4,921.44	297.60	17.537	
8,000.00	7,159.85	7,123.85	7,123.85	52.55	246.97	9.02	-3,641.60	-4,240.81	5,175.10	4,876.69	298.41	17.342	
8,050.00	7,180.23	7,144.23	7,144.23	52.64	247.68	4.65	-3,641.60	-4,240.81	5,129.52	4,830.40	299.12	17.149	
8,100.00	7,197.37	7,161.37	7,161.37	52.75	248.28	-1.23	-3,641.60	-4,240.81	5,082.56	4,782.84	299.72	16.958	
8,150.00	7,211.16	7,175.16	7,175.16	52.88	248.76	-9.99	-3,641.60	-4,240.81	5,034.53	4,734.32	300.21	16.770	
8,200.00	7,221.51	7,185.51	7,185.51	53.03	249.12	-24.28	-3,641.60	-4,240.81	4,985.72	4,685.13	300.59	16.586	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,250.00	7,228.37	7,207.63	7,192.37	53.20	249.89	-47.87	-3,641.60	-4,240.81	4,936.42	4,635.04	301.39	16.379	
8,300.00	7,231.68	7,204.32	7,195.68	53.40	249.78	-78.24	-3,641.60	-4,240.81	4,886.96	4,585.65	301.31	16.219	
8,317.45	7,232.00	7,204.00	7,196.00	53.47	249.77	-87.92	-3,641.60	-4,240.81	4,869.71	4,568.40	301.32	16.161	
8,400.00	7,232.48	7,203.52	7,196.48	53.86	249.75	-87.95	-3,641.60	-4,240.81	4,788.22	4,486.84	301.38	15.887	
8,500.00	7,233.06	7,202.94	7,197.06	54.44	249.73	-88.00	-3,641.60	-4,240.81	4,689.55	4,388.07	301.48	15.555	
8,600.00	7,233.64	7,202.36	7,197.64	55.14	249.71	-88.04	-3,641.60	-4,240.81	4,590.93	4,289.35	301.58	15.223	
8,700.00	7,234.22	7,201.78	7,198.22	55.99	249.69	-88.08	-3,641.60	-4,240.81	4,492.37	4,190.68	301.69	14.890	
8,800.00	7,234.80	7,201.20	7,198.80	57.00	249.67	-88.13	-3,641.60	-4,240.81	4,393.88	4,092.06	301.82	14.558	
8,900.00	7,235.39	7,200.61	7,199.39	58.18	249.65	-88.17	-3,641.60	-4,240.81	4,295.46	3,993.50	301.97	14.225	
9,000.00	7,235.97	7,200.03	7,199.97	59.53	249.63	-88.21	-3,641.60	-4,240.81	4,197.12	3,894.99	302.12	13.892	
9,100.00	7,236.55	7,200.55	7,200.55	61.04	249.65	-88.26	-3,641.60	-4,240.81	4,098.85	3,796.51	302.34	13.557	
9,200.00	7,237.13	7,201.13	7,201.13	62.69	249.67	-88.30	-3,641.60	-4,240.81	4,000.67	3,698.10	302.57	13.222	
9,300.00	7,237.71	7,201.71	7,201.71	64.47	249.69	-88.34	-3,641.60	-4,240.81	3,902.58	3,599.76	302.83	12.887	
9,400.00	7,238.29	7,202.29	7,202.29	66.36	249.71	-88.39	-3,641.60	-4,240.81	3,804.59	3,501.49	303.10	12.552	
9,500.00	7,238.87	7,202.87	7,202.87	68.34	249.73	-88.43	-3,641.60	-4,240.81	3,706.71	3,403.30	303.41	12.217	
9,600.00	7,239.45	7,203.45	7,203.45	70.41	249.75	-88.47	-3,641.60	-4,240.81	3,608.94	3,305.21	303.74	11.882	
9,700.00	7,240.03	7,204.03	7,204.03	72.55	249.77	-88.52	-3,641.60	-4,240.81	3,511.30	3,207.21	304.10	11.547	
9,800.00	7,240.61	7,204.61	7,204.61	74.76	249.79	-88.56	-3,641.60	-4,240.81	3,413.80	3,109.31	304.49	11.211	
9,900.00	7,241.20	7,205.20	7,205.20	77.02	249.81	-88.60	-3,641.60	-4,240.81	3,316.45	3,011.52	304.92	10.876	
10,000.00	7,241.78	7,205.78	7,205.78	79.33	249.83	-88.65	-3,641.60	-4,240.81	3,219.25	2,913.85	305.40	10.541	
10,100.00	7,242.36	7,206.36	7,206.36	81.68	249.85	-88.69	-3,641.60	-4,240.81	3,122.24	2,816.32	305.92	10.206	
10,200.00	7,242.94	7,206.94	7,206.94	84.07	249.87	-88.73	-3,641.60	-4,240.81	3,025.42	2,718.92	306.50	9.871	
10,300.00	7,243.52	7,207.52	7,207.52	86.49	249.89	-88.78	-3,641.60	-4,240.81	2,928.81	2,621.68	307.13	9.536	
10,400.00	7,244.10	7,208.10	7,208.10	88.95	249.91	-88.82	-3,641.60	-4,240.81	2,832.44	2,524.61	307.83	9.201	
10,500.00	7,244.68	7,208.68	7,208.68	91.43	249.93	-88.86	-3,641.60	-4,240.81	2,736.32	2,427.72	308.61	8.867	
10,600.00	7,245.26	7,209.26	7,209.26	93.93	249.95	-88.91	-3,641.60	-4,240.81	2,640.50	2,331.04	309.47	8.532	
10,700.00	7,245.84	7,209.84	7,209.84	96.46	249.97	-88.95	-3,641.60	-4,240.81	2,545.00	2,234.58	310.42	8.199	
10,800.00	7,246.42	7,210.42	7,210.42	99.01	249.99	-88.99	-3,641.60	-4,240.81	2,449.86	2,138.38	311.48	7.865	
10,900.00	7,247.01	7,211.01	7,211.01	101.58	250.01	-89.04	-3,641.60	-4,240.81	2,355.11	2,042.45	312.66	7.532	
11,000.00	7,247.59	7,211.59	7,211.59	104.16	250.03	-89.08	-3,641.60	-4,240.81	2,260.83	1,946.84	313.98	7.200	
11,100.00	7,248.17	7,212.17	7,212.17	106.76	250.05	-89.12	-3,641.60	-4,240.81	2,167.05	1,851.59	315.46	6.869	
11,200.00	7,248.75	7,212.75	7,212.75	109.37	250.07	-89.17	-3,641.60	-4,240.81	2,073.86	1,756.74	317.12	6.540	
11,300.00	7,249.33	7,213.33	7,213.33	112.00	250.09	-89.21	-3,641.60	-4,240.81	1,981.32	1,662.34	318.98	6.211	
11,400.00	7,249.91	7,213.91	7,213.91	114.64	250.11	-89.25	-3,641.60	-4,240.81	1,889.55	1,568.48	321.07	5.885	
11,500.00	7,250.49	7,214.49	7,214.49	117.29	250.13	-89.30	-3,641.60	-4,240.81	1,798.66	1,475.23	323.43	5.561	
11,600.00	7,251.07	7,215.07	7,215.07	119.95	250.15	-89.34	-3,641.60	-4,240.81	1,708.79	1,382.69	326.10	5.240	
11,700.00	7,251.65	7,215.65	7,215.65	122.62	250.17	-89.38	-3,641.60	-4,240.81	1,620.10	1,290.99	329.10	4.923	
11,800.00	7,252.23	7,216.23	7,216.23	125.30	250.20	-89.43	-3,641.60	-4,240.81	1,532.80	1,200.30	332.51	4.610	
11,900.00	7,252.82	7,216.82	7,216.82	127.98	250.22	-89.47	-3,641.60	-4,240.81	1,447.15	1,110.80	336.35	4.302	
12,000.00	7,253.40	7,217.40	7,217.40	130.68	250.24	-89.51	-3,641.60	-4,240.81	1,363.45	1,022.76	340.70	4.002	
12,100.00	7,253.98	7,217.98	7,217.98	133.38	250.26	-89.56	-3,641.60	-4,240.81	1,282.10	936.49	345.60	3.710	
12,200.00	7,254.56	7,218.56	7,218.56	136.09	250.28	-89.60	-3,641.60	-4,240.81	1,203.55	852.44	351.11	3.428	
12,300.00	7,255.14	7,219.14	7,219.14	138.81	250.30	-89.64	-3,641.60	-4,240.81	1,128.41	771.15	357.26	3.159	
12,400.00	7,255.72	7,219.72	7,219.72	141.53	250.32	-89.69	-3,641.60	-4,240.81	1,057.38	693.34	364.05	2.905	
12,500.00	7,256.30	7,220.30	7,220.30	144.26	250.34	-89.73	-3,641.60	-4,240.81	991.37	619.95	371.42	2.669	
12,600.00	7,256.88	7,220.88	7,220.88	146.99	250.36	-89.77	-3,641.60	-4,240.81	931.44	552.18	379.26	2.456	
12,700.00	7,257.46	7,221.46	7,221.46	149.73	250.38	-89.82	-3,641.60	-4,240.81	878.83	491.55	387.27	2.269	
12,800.00	7,258.04	7,222.04	7,222.04	152.47	250.40	-89.86	-3,641.60	-4,240.81	834.93	439.86	395.07	2.113	
12,900.00	7,258.63	7,222.63	7,222.63	155.22	250.42	-89.90	-3,641.60	-4,240.81	801.16	399.10	402.06	1.993	
13,000.00	7,259.21	7,223.21	7,223.21	157.97	250.44	-89.95	-3,641.60	-4,240.81	778.86	371.24	407.62	1.911	
13,100.00	7,259.79	7,223.79	7,223.79	160.72	250.46	-89.99	-3,641.60	-4,240.81	769.01	357.86	411.15	1.870	
13,126.22	7,259.94	7,223.94	7,223.94	161.45	250.46	-90.00	-3,641.60	-4,240.81	768.56	356.88	411.68	1.867	CC, ES, SF

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,200.00	7,260.37	7,224.37	7,224.37	163.48	250.48	-90.03	-3,641.60	-4,240.81	772.09	359.80	412.29	1.873	
13,300.00	7,260.95	7,224.95	7,224.95	166.24	250.50	-90.08	-3,641.60	-4,240.81	787.96	376.92	411.05	1.917	
13,400.00	7,261.53	7,225.53	7,225.53	169.01	250.52	-90.12	-3,641.60	-4,240.81	815.87	408.12	407.75	2.001	
13,480.77	7,262.00	7,226.00	7,226.00	171.24	250.54	-90.15	-3,641.60	-4,240.81	846.40	442.44	403.95	2.095	

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

Offset Design Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	2.00	2.00	3.28	3.28	-99.59	-962.57	-5,698.21	5,778.94				
100.00	100.00	102.00	102.00	3.28	3.75	-99.59	-962.57	-5,698.21	5,778.94	5,771.90	7.03	821.626	
200.00	200.00	202.00	202.00	3.34	6.24	-99.59	-962.57	-5,698.21	5,778.94	5,769.36	9.58	603.528	
300.00	300.00	302.00	302.00	3.44	9.39	-99.59	-962.57	-5,698.21	5,778.94	5,766.10	12.83	450.290	
400.00	399.98	401.98	401.98	3.60	12.72	105.30	-962.57	-5,698.21	5,779.40	5,763.08	16.31	354.272	
500.00	499.84	501.84	501.84	3.79	16.11	105.32	-962.57	-5,698.21	5,780.78	5,760.88	19.90	290.549	
600.00	599.45	601.45	601.45	4.02	19.53	105.36	-962.57	-5,698.21	5,783.10	5,759.55	23.55	245.615	
700.00	698.70	700.70	700.70	4.29	22.95	105.41	-962.57	-5,698.21	5,786.35	5,759.11	27.24	212.432	
800.00	797.47	800.53	799.47	4.59	26.41	105.48	-962.57	-5,698.21	5,790.57	5,759.57	31.00	186.799	
900.00	895.62	902.38	897.62	4.93	29.94	105.56	-962.57	-5,698.21	5,795.76	5,760.89	34.87	166.210	
1,000.00	993.06	1,004.94	995.06	5.31	33.50	105.65	-962.57	-5,698.21	5,801.96	5,763.16	38.80	149.518	
1,100.00	1,089.64	1,108.36	1,091.64	5.72	37.09	105.75	-962.57	-5,698.21	5,809.19	5,766.39	42.80	135.714	
1,200.00	1,185.27	1,187.27	1,187.27	6.16	39.84	105.85	-962.57	-5,698.21	5,817.49	5,771.50	45.99	126.500	
1,300.00	1,279.82	1,281.82	1,281.82	6.64	43.13	105.96	-962.57	-5,698.21	5,826.89	5,777.13	49.75	117.122	
1,400.00	1,373.17	1,375.17	1,375.17	7.15	46.38	106.08	-962.57	-5,698.21	5,837.42	5,783.91	53.51	109.096	
1,500.00	1,465.21	1,467.21	1,467.21	7.70	49.58	106.19	-962.57	-5,698.21	5,849.14	5,791.88	57.26	102.158	
1,600.00	1,555.84	1,557.84	1,557.84	8.30	52.74	106.30	-962.57	-5,698.21	5,862.08	5,801.08	60.99	96.112	
1,651.50	1,601.92	1,603.92	1,603.92	8.62	54.35	106.36	-962.57	-5,698.21	5,869.23	5,806.32	62.91	93.296	
1,700.00	1,645.13	1,647.13	1,647.13	8.93	55.85	106.55	-962.57	-5,698.21	5,876.17	5,811.45	64.72	90.799	
1,800.00	1,734.20	1,736.20	1,736.20	9.58	58.96	106.93	-962.57	-5,698.21	5,890.70	5,822.25	68.45	86.053	
1,900.00	1,823.28	1,825.28	1,825.28	10.25	62.06	107.31	-962.57	-5,698.21	5,905.55	5,833.35	72.21	81.786	
2,000.00	1,912.36	1,914.36	1,914.36	10.94	65.17	107.69	-962.57	-5,698.21	5,920.72	5,844.74	75.97	77.933	
2,100.00	2,001.43	2,003.43	2,003.43	11.63	68.27	108.06	-962.57	-5,698.21	5,936.19	5,856.44	79.75	74.439	
2,200.00	2,090.51	2,107.49	2,092.51	12.34	71.90	108.44	-962.57	-5,698.21	5,951.96	5,867.91	84.05	70.816	
2,300.00	2,179.59	2,181.59	2,181.59	13.05	74.49	108.81	-962.57	-5,698.21	5,968.04	5,880.73	87.31	68.352	
2,400.00	2,268.66	2,270.66	2,270.66	13.76	77.59	109.18	-962.57	-5,698.21	5,984.43	5,893.32	91.10	65.688	
2,500.00	2,357.74	2,359.74	2,359.74	14.49	80.70	109.55	-962.57	-5,698.21	6,001.11	5,906.21	94.90	63.237	
2,600.00	2,446.82	2,448.82	2,448.82	15.21	83.81	109.92	-962.57	-5,698.21	6,018.09	5,919.40	98.70	60.976	
2,700.00	2,535.89	2,537.89	2,537.89	15.95	86.91	110.29	-962.57	-5,698.21	6,035.36	5,932.87	102.49	58.885	
2,800.00	2,624.97	2,626.97	2,626.97	16.68	90.02	110.65	-962.57	-5,698.21	6,052.93	5,946.64	106.30	56.945	
2,900.00	2,714.05	2,716.05	2,716.05	17.42	93.13	111.02	-962.57	-5,698.21	6,070.79	5,960.69	110.10	55.141	
3,000.00	2,803.12	2,805.12	2,805.12	18.16	96.24	111.38	-962.57	-5,698.21	6,088.93	5,975.03	113.90	53.459	
3,100.00	2,892.20	2,905.80	2,894.20	18.90	99.75	111.74	-962.57	-5,698.21	6,107.36	5,989.25	118.11	51.711	
3,200.00	2,981.28	2,983.28	2,983.28	19.65	102.45	112.10	-962.57	-5,698.21	6,126.06	6,004.56	121.50	50.419	
3,300.00	3,070.36	3,072.36	3,072.36	20.40	105.56	112.45	-962.57	-5,698.21	6,145.05	6,019.75	125.31	49.040	
3,400.00	3,159.43	3,161.43	3,161.43	21.14	108.67	112.81	-962.57	-5,698.21	6,164.32	6,035.21	129.11	47.746	
3,500.00	3,248.51	3,250.51	3,250.51	21.89	111.78	113.16	-962.57	-5,698.21	6,183.85	6,050.95	132.91	46.527	
3,600.00	3,337.59	3,339.59	3,339.59	22.65	114.89	113.51	-962.57	-5,698.21	6,203.66	6,066.96	136.71	45.379	
3,700.00	3,426.66	3,428.66	3,428.66	23.40	117.99	113.86	-962.57	-5,698.21	6,223.74	6,083.23	140.51	44.295	
3,800.00	3,515.74	3,517.74	3,517.74	24.15	121.10	114.21	-962.57	-5,698.21	6,244.09	6,099.78	144.31	43.270	
3,900.00	3,604.82	3,606.82	3,606.82	24.91	124.21	114.55	-962.57	-5,698.21	6,264.69	6,116.59	148.10	42.300	
4,000.00	3,693.89	3,704.11	3,695.89	25.66	127.61	114.90	-962.57	-5,698.21	6,285.56	6,133.38	152.18	41.302	
4,100.00	3,782.97	3,784.97	3,784.97	26.42	130.43	115.24	-962.57	-5,698.21	6,306.69	6,151.00	155.69	40.508	
4,200.00	3,872.05	3,874.05	3,874.05	27.18	133.54	115.58	-962.57	-5,698.21	6,328.07	6,168.59	159.48	39.679	
4,300.00	3,961.12	3,963.12	3,963.12	27.94	136.65	115.91	-962.57	-5,698.21	6,349.71	6,186.44	163.27	38.890	
4,400.00	4,050.20	4,052.20	4,052.20	28.69	139.76	116.25	-962.57	-5,698.21	6,371.60	6,204.54	167.06	38.139	
4,500.00	4,139.28	4,141.28	4,141.28	29.45	142.86	116.58	-962.57	-5,698.21	6,393.73	6,222.88	170.85	37.423	
4,600.00	4,228.35	4,230.35	4,230.35	30.21	145.97	116.92	-962.57	-5,698.21	6,416.11	6,241.48	174.64	36.740	
4,700.00	4,317.43	4,319.43	4,319.43	30.97	149.08	117.25	-962.57	-5,698.21	6,438.74	6,260.32	178.42	36.087	
4,800.00	4,406.51	4,408.51	4,408.51	31.73	152.19	117.57	-962.57	-5,698.21	6,461.60	6,279.40	182.20	35.464	
4,900.00	4,495.59	4,502.41	4,497.59	32.50	155.47	117.90	-962.57	-5,698.21	6,484.71	6,298.55	186.15	34.836	
5,000.00	4,584.66	4,586.66	4,586.66	33.26	158.41	118.22	-962.57	-5,698.21	6,508.04	6,318.28	189.76	34.296	

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

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

Offset Design Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,675.74	4,675.74	34.02	161.52	118.55	-962.57	-5,698.21	6,531.61	6,338.08	193.54	33.748	
5,200.00	4,762.82	4,764.82	4,764.82	34.78	164.63	118.87	-962.57	-5,698.21	6,555.41	6,358.10	197.31	33.223	
5,300.00	4,851.89	4,853.89	4,853.89	35.54	167.74	119.18	-962.57	-5,698.21	6,579.44	6,378.36	201.09	32.720	
5,400.00	4,940.97	4,942.97	4,942.97	36.31	170.85	119.50	-962.57	-5,698.21	6,603.70	6,398.84	204.86	32.236	
5,500.00	5,030.05	5,032.05	5,032.05	37.07	173.95	119.81	-962.57	-5,698.21	6,628.17	6,419.55	208.63	31.771	
5,600.00	5,119.12	5,121.12	5,121.12	37.83	177.06	120.13	-962.57	-5,698.21	6,652.87	6,440.48	212.39	31.323	
5,700.00	5,208.20	5,210.20	5,210.20	38.60	180.17	120.44	-962.57	-5,698.21	6,677.79	6,461.63	216.16	30.893	
5,800.00	5,297.28	5,300.72	5,299.28	39.36	183.33	120.75	-962.57	-5,698.21	6,702.92	6,482.94	219.97	30.472	
5,900.00	5,386.35	5,388.35	5,388.35	40.13	186.39	121.05	-962.57	-5,698.21	6,728.26	6,504.58	223.68	30.080	
6,000.00	5,475.43	5,477.43	5,477.43	40.89	189.50	121.36	-962.57	-5,698.21	6,753.81	6,526.37	227.44	29.695	
6,100.00	5,564.51	5,566.51	5,566.51	41.66	192.61	121.66	-962.57	-5,698.21	6,779.58	6,548.38	231.20	29.324	
6,200.00	5,653.58	5,655.58	5,655.58	42.42	195.72	121.96	-962.57	-5,698.21	6,805.54	6,570.59	234.95	28.965	
6,300.00	5,742.66	5,744.66	5,744.66	43.19	198.83	122.26	-962.57	-5,698.21	6,831.72	6,593.01	238.71	28.620	
6,400.00	5,831.74	5,833.74	5,833.74	43.95	201.94	122.55	-962.57	-5,698.21	6,858.09	6,615.63	242.46	28.286	
6,500.00	5,920.82	5,922.82	5,922.82	44.72	205.05	122.85	-962.57	-5,698.21	6,884.66	6,638.45	246.21	27.963	
6,600.00	6,009.89	6,011.89	6,011.89	45.48	208.16	123.14	-962.57	-5,698.21	6,911.43	6,661.48	249.96	27.650	
6,700.00	6,098.97	6,100.97	6,100.97	46.25	211.27	123.43	-962.57	-5,698.21	6,938.40	6,684.69	253.70	27.348	
6,800.00	6,188.05	6,209.95	6,190.05	47.01	215.07	123.72	-962.57	-5,698.21	6,965.55	6,707.41	258.14	26.983	
6,900.00	6,277.12	6,279.12	6,279.12	47.78	217.48	124.01	-962.57	-5,698.21	6,992.90	6,731.71	261.19	26.773	
7,000.00	6,366.20	6,368.20	6,368.20	48.55	220.59	124.29	-962.57	-5,698.21	7,020.43	6,755.50	264.93	26.499	
7,100.00	6,455.28	6,457.28	6,457.28	49.31	223.70	124.58	-962.57	-5,698.21	7,048.15	6,779.48	268.67	26.234	
7,197.64	6,542.25	6,544.25	6,544.25	50.06	226.74	124.85	-962.57	-5,698.21	7,075.39	6,803.07	272.32	25.982	
7,200.00	6,544.35	6,546.35	6,546.35	50.08	226.81	124.46	-962.57	-5,698.21	7,076.05	6,803.64	272.41	25.976	
7,250.00	6,589.22	6,608.78	6,591.22	50.44	228.99	115.68	-962.57	-5,698.21	7,088.03	6,813.15	274.89	25.785	
7,300.00	6,634.48	6,636.48	6,636.48	50.77	229.96	106.21	-962.57	-5,698.21	7,096.32	6,820.17	276.14	25.698	
7,350.00	6,679.86	6,681.86	6,681.86	51.06	231.54	96.55	-962.57	-5,698.21	7,100.84	6,822.86	277.99	25.544	
7,400.00	6,725.09	6,727.09	6,727.09	51.31	233.12	87.31	-962.57	-5,698.21	7,101.60	6,821.80	279.80	25.381	
7,450.00	6,769.87	6,771.87	6,771.87	51.52	234.68	78.97	-962.57	-5,698.21	7,098.59	6,817.04	281.56	25.212	
7,500.00	6,813.94	6,815.94	6,815.94	51.69	236.22	71.81	-962.57	-5,698.21	7,091.84	6,808.59	283.25	25.037	
7,550.00	6,857.03	6,859.03	6,859.03	51.84	237.73	65.86	-962.57	-5,698.21	7,081.38	6,796.52	284.87	24.858	
7,600.00	6,898.86	6,900.86	6,900.86	51.95	239.19	61.07	-962.57	-5,698.21	7,067.30	6,780.90	286.41	24.676	
7,650.00	6,939.19	6,941.19	6,941.19	52.05	240.59	57.29	-962.57	-5,698.21	7,049.68	6,761.83	287.86	24.490	
7,700.00	6,977.75	6,979.75	6,979.75	52.13	241.94	54.39	-962.57	-5,698.21	7,028.63	6,739.42	289.21	24.303	
7,750.00	7,014.32	7,016.32	7,016.32	52.20	243.22	52.27	-962.57	-5,698.21	7,004.29	6,713.81	290.47	24.114	
7,800.00	7,048.67	7,050.67	7,050.67	52.26	244.42	50.83	-962.57	-5,698.21	6,976.79	6,685.16	291.63	23.924	
7,850.00	7,080.59	7,082.59	7,082.59	52.33	245.53	50.03	-962.57	-5,698.21	6,946.31	6,653.63	292.68	23.733	
7,900.00	7,109.87	7,111.87	7,111.87	52.39	246.55	49.83	-962.57	-5,698.21	6,913.04	6,619.41	293.63	23.543	
7,950.00	7,136.35	7,138.35	7,138.35	52.47	247.48	50.26	-962.57	-5,698.21	6,877.17	6,582.70	294.47	23.354	
8,000.00	7,159.85	7,161.85	7,161.85	52.55	248.30	51.37	-962.57	-5,698.21	6,838.93	6,543.72	295.21	23.167	
8,050.00	7,180.23	7,182.23	7,182.23	52.64	249.01	53.26	-962.57	-5,698.21	6,798.53	6,502.70	295.83	22.981	
8,100.00	7,197.37	7,200.63	7,199.37	52.75	249.65	56.11	-962.57	-5,698.21	6,756.22	6,459.84	296.39	22.795	
8,150.00	7,211.16	7,213.16	7,213.16	52.88	250.09	60.19	-962.57	-5,698.21	6,712.26	6,415.51	296.75	22.619	
8,200.00	7,221.51	7,223.51	7,223.51	53.03	250.45	65.89	-962.57	-5,698.21	6,666.91	6,369.86	297.04	22.444	
8,250.00	7,228.37	7,230.37	7,230.37	53.20	250.69	73.77	-962.57	-5,698.21	6,620.42	6,323.20	297.23	22.274	
8,300.00	7,231.68	7,233.68	7,233.68	53.40	250.80	84.45	-962.57	-5,698.21	6,573.10	6,275.79	297.30	22.109	
8,317.45	7,232.00	7,234.00	7,234.00	53.47	250.82	88.90	-962.57	-5,698.21	6,556.43	6,259.12	297.31	22.053	
8,400.00	7,232.48	7,234.48	7,234.48	53.86	250.83	88.92	-962.57	-5,698.21	6,477.49	6,180.21	297.28	21.789	
8,500.00	7,233.06	7,235.06	7,235.06	54.44	250.85	88.94	-962.57	-5,698.21	6,381.99	6,084.73	297.27	21.469	
8,600.00	7,233.64	7,235.64	7,235.64	55.14	250.87	88.95	-962.57	-5,698.21	6,286.63	5,989.36	297.27	21.148	
8,700.00	7,234.22	7,236.22	7,236.22	55.99	250.89	88.97	-962.57	-5,698.21	6,191.42	5,894.12	297.30	20.825	
8,800.00	7,234.80	7,236.80	7,236.80	57.00	250.91	88.99	-962.57	-5,698.21	6,096.36	5,799.00	297.36	20.502	
8,900.00	7,235.39	7,237.39	7,237.39	58.18	250.93	89.01	-962.57	-5,698.21	6,001.46	5,704.02	297.43	20.177	

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

Offset Design Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,237.97	7,237.97	59.53	250.95	89.02	-962.57	-5,698.21	5,906.73	5,609.18	297.54	19.852	
9,100.00	7,236.55	7,238.55	7,238.55	61.04	250.97	89.04	-962.57	-5,698.21	5,812.17	5,514.49	297.68	19.525	
9,200.00	7,237.13	7,239.13	7,239.13	62.69	250.99	89.06	-962.57	-5,698.21	5,717.80	5,419.95	297.85	19.197	
9,300.00	7,237.71	7,239.71	7,239.71	64.47	251.01	89.08	-962.57	-5,698.21	5,623.62	5,325.56	298.06	18.867	
9,400.00	7,238.29	7,240.29	7,240.29	66.36	251.03	89.09	-962.57	-5,698.21	5,529.65	5,231.34	298.31	18.537	
9,500.00	7,238.87	7,240.87	7,240.87	68.34	251.06	89.11	-962.57	-5,698.21	5,435.90	5,137.30	298.60	18.205	
9,600.00	7,239.45	7,241.45	7,241.45	70.41	251.08	89.13	-962.57	-5,698.21	5,342.37	5,043.43	298.94	17.871	
9,700.00	7,240.03	7,242.03	7,242.03	72.55	251.10	89.15	-962.57	-5,698.21	5,249.07	4,949.75	299.32	17.537	
9,800.00	7,240.61	7,242.61	7,242.61	74.76	251.12	89.16	-962.57	-5,698.21	5,156.03	4,856.28	299.76	17.201	
9,900.00	7,241.20	7,243.20	7,243.20	77.02	251.14	89.18	-962.57	-5,698.21	5,063.26	4,763.01	300.25	16.863	
10,000.00	7,241.78	7,243.78	7,243.78	79.33	251.16	89.20	-962.57	-5,698.21	4,970.76	4,669.95	300.81	16.525	
10,100.00	7,242.36	7,244.36	7,244.36	81.68	251.18	89.22	-962.57	-5,698.21	4,878.57	4,577.13	301.43	16.185	
10,200.00	7,242.94	7,244.94	7,244.94	84.07	251.20	89.23	-962.57	-5,698.21	4,786.68	4,484.56	302.12	15.844	
10,300.00	7,243.52	7,245.52	7,245.52	86.49	251.22	89.25	-962.57	-5,698.21	4,695.13	4,392.24	302.89	15.501	
10,400.00	7,244.10	7,246.10	7,246.10	88.95	251.24	89.27	-962.57	-5,698.21	4,603.92	4,300.19	303.73	15.158	
10,500.00	7,244.68	7,246.68	7,246.68	91.43	251.26	89.29	-962.57	-5,698.21	4,513.09	4,208.44	304.66	14.814	
10,600.00	7,245.26	7,247.26	7,247.26	93.93	251.28	89.30	-962.57	-5,698.21	4,422.66	4,116.99	305.67	14.469	
10,700.00	7,245.84	7,247.84	7,247.84	96.46	251.30	89.32	-962.57	-5,698.21	4,332.65	4,025.86	306.78	14.123	
10,800.00	7,246.42	7,248.42	7,248.42	99.01	251.32	89.34	-962.57	-5,698.21	4,243.08	3,935.08	307.99	13.776	
10,900.00	7,247.01	7,249.01	7,249.01	101.58	251.34	89.36	-962.57	-5,698.21	4,153.99	3,844.68	309.31	13.430	
11,000.00	7,247.59	7,249.59	7,249.59	104.16	251.36	89.37	-962.57	-5,698.21	4,065.40	3,754.67	310.74	13.083	
11,100.00	7,248.17	7,250.17	7,250.17	106.76	251.38	89.39	-962.57	-5,698.21	3,977.36	3,665.09	312.28	12.737	
11,200.00	7,248.75	7,250.75	7,250.75	109.37	251.40	89.41	-962.57	-5,698.21	3,889.90	3,575.96	313.94	12.391	
11,300.00	7,249.33	7,251.33	7,251.33	112.00	251.42	89.43	-962.57	-5,698.21	3,803.05	3,487.32	315.74	12.045	
11,400.00	7,249.91	7,251.91	7,251.91	114.64	251.44	89.44	-962.57	-5,698.21	3,716.87	3,399.20	317.66	11.701	
11,500.00	7,250.49	7,252.49	7,252.49	117.29	251.46	89.46	-962.57	-5,698.21	3,631.39	3,311.66	319.73	11.358	
11,600.00	7,251.07	7,253.07	7,253.07	119.95	251.48	89.48	-962.57	-5,698.21	3,546.67	3,224.72	321.95	11.016	
11,700.00	7,251.65	7,253.65	7,253.65	122.62	251.50	89.50	-962.57	-5,698.21	3,462.77	3,138.45	324.32	10.677	
11,800.00	7,252.23	7,254.23	7,254.23	125.30	251.52	89.51	-962.57	-5,698.21	3,379.75	3,052.89	326.86	10.340	
11,900.00	7,252.82	7,254.82	7,254.82	127.98	251.54	89.53	-962.57	-5,698.21	3,297.66	2,968.10	329.56	10.006	
12,000.00	7,253.40	7,255.40	7,255.40	130.68	251.56	89.55	-962.57	-5,698.21	3,216.59	2,884.15	332.44	9.676	
12,100.00	7,253.98	7,255.98	7,255.98	133.38	251.58	89.57	-962.57	-5,698.21	3,136.61	2,801.12	335.50	9.349	
12,200.00	7,254.56	7,256.56	7,256.56	136.09	251.60	89.58	-962.57	-5,698.21	3,057.82	2,719.07	338.74	9.027	
12,300.00	7,255.14	7,257.14	7,257.14	138.81	251.62	89.60	-962.57	-5,698.21	2,980.29	2,638.11	342.19	8.710	
12,400.00	7,255.72	7,257.72	7,257.72	141.53	251.64	89.62	-962.57	-5,698.21	2,904.14	2,558.31	345.83	8.398	
12,500.00	7,256.30	7,258.30	7,258.30	144.26	251.66	89.63	-962.57	-5,698.21	2,829.47	2,479.80	349.67	8.092	
12,600.00	7,256.88	7,258.88	7,258.88	146.99	251.68	89.65	-962.57	-5,698.21	2,756.41	2,402.69	353.72	7.793	
12,700.00	7,257.46	7,259.46	7,259.46	149.73	251.70	89.67	-962.57	-5,698.21	2,685.09	2,327.11	357.98	7.501	
12,800.00	7,258.04	7,260.04	7,260.04	152.47	251.72	89.69	-962.57	-5,698.21	2,615.64	2,253.19	362.45	7.217	
12,900.00	7,258.63	7,260.63	7,260.63	155.22	251.74	89.70	-962.57	-5,698.21	2,548.23	2,181.10	367.13	6.941	
13,000.00	7,259.21	7,261.21	7,261.21	157.97	251.77	89.72	-962.57	-5,698.21	2,483.01	2,111.01	372.00	6.675	
13,100.00	7,259.79	7,261.79	7,261.79	160.72	251.79	89.74	-962.57	-5,698.21	2,420.17	2,043.09	377.08	6.418	
13,200.00	7,260.37	7,262.37	7,262.37	163.48	251.81	89.76	-962.57	-5,698.21	2,359.90	1,977.57	382.33	6.172	
13,300.00	7,260.95	7,262.95	7,262.95	166.24	251.83	89.77	-962.57	-5,698.21	2,302.39	1,914.64	387.75	5.938	
13,400.00	7,261.53	7,263.53	7,263.53	169.01	251.85	89.79	-962.57	-5,698.21	2,247.86	1,854.56	393.30	5.715	
13,480.77	7,262.00	7,264.00	7,264.00	171.24	251.86	89.81	-962.57	-5,698.21	2,206.14	1,808.27	397.87	5.545	CC, ES, SF

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

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

Offset Design Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	40.00	40.00	3.28	3.35	-76.72	1,666.98	-7,065.20	7,259.19				
100.00	100.00	140.00	140.00	3.28	4.54	-76.72	1,666.98	-7,065.20	7,259.19	7,251.37	7.83	927.489	
200.00	200.00	240.00	240.00	3.34	7.40	-76.72	1,666.98	-7,065.20	7,259.19	7,248.46	10.74	676.116	
300.00	300.00	340.00	340.00	3.44	10.64	-76.72	1,666.98	-7,065.20	7,259.19	7,245.11	14.09	515.315	
400.00	399.98	439.98	439.98	3.60	14.00	128.15	1,666.98	-7,065.20	7,260.27	7,242.67	17.60	412.528	
500.00	499.84	539.84	539.84	3.79	17.41	128.13	1,666.98	-7,065.20	7,263.51	7,242.31	21.20	342.652	
600.00	599.45	639.45	639.45	4.02	20.84	128.10	1,666.98	-7,065.20	7,268.90	7,244.04	24.86	292.442	
700.00	698.70	738.70	738.70	4.29	24.27	128.06	1,666.98	-7,065.20	7,276.45	7,247.90	28.55	254.834	
800.00	797.47	837.47	837.47	4.59	27.69	128.00	1,666.98	-7,065.20	7,286.16	7,253.88	32.28	225.732	
900.00	895.62	935.62	935.62	4.93	31.09	127.93	1,666.98	-7,065.20	7,298.04	7,262.02	36.02	202.617	
1,000.00	993.06	1,033.06	1,033.06	5.31	34.47	127.84	1,666.98	-7,065.20	7,312.07	7,272.30	39.77	183.867	
1,100.00	1,089.64	1,129.64	1,129.64	5.72	37.83	127.74	1,666.98	-7,065.20	7,328.28	7,284.76	43.52	168.389	
1,200.00	1,185.27	1,225.27	1,225.27	6.16	41.16	127.62	1,666.98	-7,065.20	7,346.64	7,299.38	47.27	155.425	
1,300.00	1,279.82	1,319.82	1,319.82	6.64	44.45	127.48	1,666.98	-7,065.20	7,367.18	7,316.18	51.01	144.432	
1,400.00	1,373.17	1,413.17	1,413.17	7.15	47.70	127.32	1,666.98	-7,065.20	7,389.89	7,335.15	54.74	135.012	
1,500.00	1,465.21	1,505.21	1,505.21	7.70	50.91	127.14	1,666.98	-7,065.20	7,414.77	7,356.32	58.45	126.866	
1,600.00	1,555.84	1,604.16	1,595.84	8.30	54.35	126.94	1,666.98	-7,065.20	7,441.81	7,379.38	62.43	119.211	
1,651.50	1,601.92	1,641.92	1,641.92	8.62	55.67	126.82	1,666.98	-7,065.20	7,456.58	7,392.55	64.03	116.460	
1,700.00	1,645.13	1,685.13	1,685.13	8.93	57.18	126.95	1,666.98	-7,065.20	7,470.78	7,404.98	65.80	113.530	
1,800.00	1,734.20	1,774.20	1,774.20	9.58	60.28	127.21	1,666.98	-7,065.20	7,500.18	7,430.70	69.48	107.947	
1,900.00	1,823.28	1,863.28	1,863.28	10.25	63.39	127.46	1,666.98	-7,065.20	7,529.74	7,456.57	73.17	102.910	
2,000.00	1,912.36	1,952.36	1,952.36	10.94	66.49	127.72	1,666.98	-7,065.20	7,559.46	7,482.59	76.87	98.345	
2,100.00	2,001.43	2,041.43	2,041.43	11.63	69.60	127.97	1,666.98	-7,065.20	7,589.33	7,508.75	80.57	94.191	
2,200.00	2,090.51	2,130.51	2,130.51	12.34	72.70	128.22	1,666.98	-7,065.20	7,619.35	7,535.07	84.29	90.398	
2,300.00	2,179.59	2,219.59	2,219.59	13.05	75.81	128.47	1,666.98	-7,065.20	7,649.53	7,561.53	88.01	86.921	
2,400.00	2,268.66	2,308.66	2,308.66	13.76	78.92	128.72	1,666.98	-7,065.20	7,679.86	7,588.13	91.73	83.724	
2,500.00	2,357.74	2,402.26	2,397.74	14.49	82.18	128.97	1,666.98	-7,065.20	7,710.34	7,614.73	95.61	80.642	
2,600.00	2,446.82	2,486.82	2,486.82	15.21	85.13	129.21	1,666.98	-7,065.20	7,740.96	7,641.78	99.18	78.047	
2,700.00	2,535.89	2,575.89	2,575.89	15.95	88.24	129.46	1,666.98	-7,065.20	7,771.73	7,668.82	102.91	75.516	
2,800.00	2,624.97	2,664.97	2,664.97	16.68	91.35	129.70	1,666.98	-7,065.20	7,802.64	7,696.00	106.65	73.163	
2,900.00	2,714.05	2,754.05	2,754.05	17.42	94.46	129.94	1,666.98	-7,065.20	7,833.70	7,723.32	110.38	70.969	
3,000.00	2,803.12	2,843.12	2,843.12	18.16	97.56	130.18	1,666.98	-7,065.20	7,864.89	7,750.77	114.12	68.920	
3,100.00	2,892.20	2,932.20	2,932.20	18.90	100.67	130.41	1,666.98	-7,065.20	7,896.22	7,778.37	117.85	67.001	
3,200.00	2,981.28	3,021.28	3,021.28	19.65	103.78	130.65	1,666.98	-7,065.20	7,927.69	7,806.10	121.59	65.202	
3,300.00	3,070.36	3,110.36	3,110.36	20.40	106.89	130.88	1,666.98	-7,065.20	7,959.30	7,833.97	125.32	63.510	
3,400.00	3,159.43	3,200.57	3,199.43	21.14	110.04	131.11	1,666.98	-7,065.20	7,991.03	7,861.94	129.10	61.899	
3,500.00	3,248.51	3,288.51	3,288.51	21.89	113.10	131.34	1,666.98	-7,065.20	8,022.90	7,890.11	132.79	60.416	
3,600.00	3,337.59	3,377.59	3,377.59	22.65	116.21	131.57	1,666.98	-7,065.20	8,054.90	7,918.37	136.53	58.997	
3,700.00	3,426.66	3,466.66	3,466.66	23.40	119.32	131.80	1,666.98	-7,065.20	8,087.03	7,946.77	140.26	57.655	
3,800.00	3,515.74	3,555.74	3,555.74	24.15	122.43	132.02	1,666.98	-7,065.20	8,119.29	7,975.29	144.00	56.384	
3,900.00	3,604.82	3,644.82	3,644.82	24.91	125.54	132.24	1,666.98	-7,065.20	8,151.67	8,003.94	147.73	55.179	
4,000.00	3,693.89	3,733.89	3,733.89	25.66	128.65	132.47	1,666.98	-7,065.20	8,184.17	8,032.71	151.47	54.033	
4,100.00	3,782.97	3,822.97	3,822.97	26.42	131.76	132.69	1,666.98	-7,065.20	8,216.80	8,061.61	155.20	52.944	
4,200.00	3,872.05	3,912.05	3,912.05	27.18	134.86	132.91	1,666.98	-7,065.20	8,249.55	8,090.62	158.93	51.907	
4,300.00	3,961.12	4,001.12	4,001.12	27.94	137.97	133.12	1,666.98	-7,065.20	8,282.42	8,119.76	162.66	50.919	
4,400.00	4,050.20	4,109.80	4,090.20	28.69	141.77	133.34	1,666.98	-7,065.20	8,315.41	8,148.34	167.07	49.771	
4,500.00	4,139.28	4,179.28	4,179.28	29.45	144.19	133.55	1,666.98	-7,065.20	8,348.52	8,178.40	170.12	49.075	
4,600.00	4,228.35	4,268.35	4,268.35	30.21	147.30	133.76	1,666.98	-7,065.20	8,381.74	8,207.89	173.85	48.214	
4,700.00	4,317.43	4,357.43	4,357.43	30.97	150.41	133.98	1,666.98	-7,065.20	8,415.07	8,237.50	177.57	47.389	
4,800.00	4,406.51	4,446.51	4,446.51	31.73	153.52	134.19	1,666.98	-7,065.20	8,448.52	8,267.22	181.30	46.600	
4,900.00	4,495.59	4,535.59	4,535.59	32.50	156.63	134.39	1,666.98	-7,065.20	8,482.08	8,297.06	185.02	45.843	
5,000.00	4,584.66	4,624.66	4,624.66	33.26	159.74	134.60	1,666.98	-7,065.20	8,515.75	8,327.00	188.75	45.117	

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

Offset Design Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,713.74	4,713.74	34.02	162.84	134.81	1,666.98	-7,065.20	8,549.53	8,357.06	192.47	44.420	
5,200.00	4,762.82	4,802.82	4,802.82	34.78	165.95	135.01	1,666.98	-7,065.20	8,583.41	8,387.22	196.19	43.750	
5,300.00	4,851.89	4,908.11	4,891.89	35.54	169.63	135.21	1,666.98	-7,065.20	8,617.41	8,416.93	200.48	42.984	
5,400.00	4,940.97	4,980.97	4,980.97	36.31	172.17	135.41	1,666.98	-7,065.20	8,651.51	8,447.87	203.63	42.486	
5,500.00	5,030.05	5,070.05	5,070.05	37.07	175.28	135.61	1,666.98	-7,065.20	8,685.71	8,478.36	207.35	41.889	
5,600.00	5,119.12	5,159.12	5,159.12	37.83	178.39	135.81	1,666.98	-7,065.20	8,720.01	8,508.94	211.07	41.314	
5,700.00	5,208.20	5,248.20	5,248.20	38.60	181.50	136.01	1,666.98	-7,065.20	8,754.42	8,539.63	214.78	40.759	
5,800.00	5,297.28	5,337.28	5,337.28	39.36	184.61	136.20	1,666.98	-7,065.20	8,788.92	8,570.42	218.50	40.224	
5,900.00	5,386.35	5,426.35	5,426.35	40.13	187.72	136.40	1,666.98	-7,065.20	8,823.53	8,601.32	222.21	39.707	
6,000.00	5,475.43	5,515.43	5,515.43	40.89	190.83	136.59	1,666.98	-7,065.20	8,858.23	8,632.31	225.93	39.208	
6,100.00	5,564.51	5,604.51	5,604.51	41.66	193.94	136.78	1,666.98	-7,065.20	8,893.03	8,663.39	229.64	38.726	
6,200.00	5,653.58	5,706.42	5,693.58	42.42	197.49	136.97	1,666.98	-7,065.20	8,927.93	8,694.13	233.80	38.186	
6,300.00	5,742.66	5,782.66	5,782.66	43.19	200.15	137.16	1,666.98	-7,065.20	8,962.92	8,725.86	237.06	37.808	
6,400.00	5,831.74	5,871.74	5,871.74	43.95	203.26	137.35	1,666.98	-7,065.20	8,998.01	8,757.23	240.77	37.372	
6,500.00	5,920.82	5,960.82	5,960.82	44.72	206.37	137.53	1,666.98	-7,065.20	9,033.18	8,788.70	244.48	36.949	
6,600.00	6,009.89	6,049.89	6,049.89	45.48	209.48	137.72	1,666.98	-7,065.20	9,068.45	8,820.26	248.19	36.539	
6,700.00	6,098.97	6,138.97	6,138.97	46.25	212.59	137.90	1,666.98	-7,065.20	9,103.81	8,851.91	251.89	36.142	
6,800.00	6,188.05	6,228.05	6,228.05	47.01	215.70	138.08	1,666.98	-7,065.20	9,139.25	8,883.66	255.60	35.756	
6,900.00	6,277.12	6,317.12	6,317.12	47.78	218.81	138.26	1,666.98	-7,065.20	9,174.79	8,915.49	259.30	35.382	
7,000.00	6,366.20	6,406.20	6,406.20	48.55	221.92	138.44	1,666.98	-7,065.20	9,210.41	8,947.41	263.01	35.020	
7,100.00	6,455.28	6,504.72	6,495.28	49.31	225.36	138.62	1,666.98	-7,065.20	9,246.12	8,979.08	267.04	34.625	
7,197.64	6,542.25	6,582.25	6,582.25	50.06	228.06	138.79	1,666.98	-7,065.20	9,281.07	9,010.75	270.32	34.333	
7,200.00	6,544.35	6,584.35	6,584.35	50.08	228.14	138.38	1,666.98	-7,065.20	9,281.91	9,011.50	270.41	34.325	
7,250.00	6,589.22	6,629.22	6,629.22	50.44	229.70	129.11	1,666.98	-7,065.20	9,298.02	9,025.75	272.27	34.150	
7,300.00	6,634.48	6,674.48	6,674.48	50.77	231.28	119.25	1,666.98	-7,065.20	9,310.76	9,036.63	274.13	33.965	
7,350.00	6,679.86	6,719.86	6,719.86	51.06	232.87	109.28	1,666.98	-7,065.20	9,320.07	9,044.10	275.97	33.772	
7,400.00	6,725.09	6,765.09	6,765.09	51.31	234.45	99.79	1,666.98	-7,065.20	9,325.90	9,048.11	277.79	33.572	
7,450.00	6,769.87	6,809.87	6,809.87	51.52	236.01	91.27	1,666.98	-7,065.20	9,328.22	9,048.67	279.56	33.368	
7,500.00	6,813.94	6,853.94	6,853.94	51.69	237.55	83.97	1,666.98	-7,065.20	9,327.04	9,045.77	281.27	33.161	
7,550.00	6,857.03	6,902.97	6,897.03	51.84	239.26	77.96	1,666.98	-7,065.20	9,322.36	9,039.25	283.11	32.928	
7,600.00	6,898.86	6,938.86	6,938.86	51.95	240.51	73.14	1,666.98	-7,065.20	9,314.24	9,029.78	284.46	32.744	
7,650.00	6,939.19	6,979.19	6,979.19	52.05	241.92	69.39	1,666.98	-7,065.20	9,302.72	9,016.79	285.92	32.536	
7,700.00	6,977.75	7,017.75	7,017.75	52.13	243.27	66.56	1,666.98	-7,065.20	9,287.89	9,000.59	287.30	32.329	
7,750.00	7,014.32	7,054.32	7,054.32	52.20	244.54	64.54	1,666.98	-7,065.20	9,269.84	8,981.27	288.57	32.123	
7,800.00	7,048.67	7,088.67	7,088.67	52.26	245.74	63.24	1,666.98	-7,065.20	9,248.70	8,958.96	289.75	31.920	
7,850.00	7,080.59	7,120.59	7,120.59	52.33	246.86	62.59	1,666.98	-7,065.20	9,224.60	8,933.78	290.82	31.720	
7,900.00	7,109.87	7,149.87	7,149.87	52.39	247.88	62.56	1,666.98	-7,065.20	9,197.70	8,905.91	291.79	31.522	
7,950.00	7,136.35	7,176.35	7,176.35	52.47	248.80	63.13	1,666.98	-7,065.20	9,168.15	8,875.50	292.65	31.328	
8,000.00	7,159.85	7,200.15	7,199.85	52.55	249.63	64.31	1,666.98	-7,065.20	9,136.15	8,842.73	293.42	31.137	
8,050.00	7,180.23	7,220.23	7,220.23	52.64	250.33	66.13	1,666.98	-7,065.20	9,101.88	8,807.82	294.06	30.952	
8,100.00	7,197.37	7,237.37	7,237.37	52.75	250.93	68.65	1,666.98	-7,065.20	9,065.57	8,770.95	294.62	30.771	
8,150.00	7,211.16	7,251.16	7,251.16	52.88	251.41	71.93	1,666.98	-7,065.20	9,027.42	8,732.35	295.07	30.595	
8,200.00	7,221.51	7,261.51	7,261.51	53.03	251.78	76.04	1,666.98	-7,065.20	8,987.66	8,692.25	295.41	30.424	
8,250.00	7,228.37	7,268.37	7,268.37	53.20	252.02	81.09	1,666.98	-7,065.20	8,946.54	8,650.88	295.66	30.260	
8,300.00	7,231.68	7,271.68	7,271.68	53.40	252.13	87.11	1,666.98	-7,065.20	8,904.30	8,608.49	295.80	30.102	
8,317.45	7,232.00	7,272.00	7,272.00	53.47	252.14	89.44	1,666.98	-7,065.20	8,889.33	8,593.50	295.83	30.049	
8,400.00	7,232.48	7,272.48	7,272.48	53.86	252.16	89.44	1,666.98	-7,065.20	8,818.42	8,522.49	295.94	29.798	
8,500.00	7,233.06	7,273.06	7,273.06	54.44	252.18	89.45	1,666.98	-7,065.20	8,732.80	8,436.67	296.13	29.490	
8,600.00	7,233.64	7,273.64	7,273.64	55.14	252.20	89.46	1,666.98	-7,065.20	8,647.48	8,351.10	296.38	29.177	
8,700.00	7,234.22	7,274.22	7,274.22	55.99	252.22	89.47	1,666.98	-7,065.20	8,562.48	8,265.78	296.70	28.859	
8,800.00	7,234.80	7,274.80	7,274.80	57.00	252.24	89.47	1,666.98	-7,065.20	8,477.81	8,180.72	297.09	28.537	
8,900.00	7,235.39	7,275.39	7,275.39	58.18	252.26	89.48	1,666.98	-7,065.20	8,393.47	8,095.92	297.55	28.209	

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

Offset Design Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,275.97	7,275.97	59.53	252.28	89.49	1,666.98	-7,065.20	8,309.48	8,011.40	298.08	27.877	
9,100.00	7,236.55	7,276.55	7,276.55	61.04	252.30	89.50	1,666.98	-7,065.20	8,225.85	7,927.17	298.68	27.540	
9,200.00	7,237.13	7,277.13	7,277.13	62.69	252.32	89.50	1,666.98	-7,065.20	8,142.59	7,843.22	299.37	27.199	
9,300.00	7,237.71	7,277.71	7,277.71	64.47	252.34	89.51	1,666.98	-7,065.20	8,059.71	7,759.58	300.13	26.854	
9,400.00	7,238.29	7,278.29	7,278.29	66.36	252.36	89.52	1,666.98	-7,065.20	7,977.22	7,676.25	300.97	26.505	
9,500.00	7,238.87	7,278.87	7,278.87	68.34	252.38	89.53	1,666.98	-7,065.20	7,895.14	7,593.25	301.89	26.152	
9,600.00	7,239.45	7,279.45	7,279.45	70.41	252.40	89.53	1,666.98	-7,065.20	7,813.47	7,510.58	302.89	25.796	
9,700.00	7,240.03	7,280.03	7,280.03	72.55	252.42	89.54	1,666.98	-7,065.20	7,732.24	7,428.26	303.98	25.437	
9,800.00	7,240.61	7,280.61	7,280.61	74.76	252.44	89.55	1,666.98	-7,065.20	7,651.45	7,346.31	305.14	25.075	
9,900.00	7,241.20	7,281.20	7,281.20	77.02	252.46	89.55	1,666.98	-7,065.20	7,571.11	7,264.73	306.39	24.711	
10,000.00	7,241.78	7,281.78	7,281.78	79.33	252.48	89.56	1,666.98	-7,065.20	7,491.25	7,183.54	307.71	24.345	
10,100.00	7,242.36	7,282.36	7,282.36	81.68	252.50	89.57	1,666.98	-7,065.20	7,411.88	7,102.76	309.12	23.977	
10,200.00	7,242.94	7,282.94	7,282.94	84.07	252.52	89.58	1,666.98	-7,065.20	7,333.02	7,022.41	310.61	23.608	
10,300.00	7,243.52	7,283.52	7,283.52	86.49	252.54	89.58	1,666.98	-7,065.20	7,254.67	6,942.49	312.18	23.238	
10,400.00	7,244.10	7,284.10	7,284.10	88.95	252.56	89.59	1,666.98	-7,065.20	7,176.87	6,863.03	313.84	22.868	
10,500.00	7,244.68	7,284.68	7,284.68	91.43	252.58	89.60	1,666.98	-7,065.20	7,099.62	6,784.05	315.57	22.498	
10,600.00	7,245.26	7,285.26	7,285.26	93.93	252.60	89.61	1,666.98	-7,065.20	7,022.94	6,705.56	317.38	22.128	
10,700.00	7,245.84	7,285.84	7,285.84	96.46	252.63	89.61	1,666.98	-7,065.20	6,946.86	6,627.58	319.28	21.758	
10,800.00	7,246.42	7,286.42	7,286.42	99.01	252.65	89.62	1,666.98	-7,065.20	6,871.39	6,550.14	321.25	21.390	
10,900.00	7,247.01	7,287.01	7,287.01	101.58	252.67	89.63	1,666.98	-7,065.20	6,796.55	6,473.25	323.30	21.023	
11,000.00	7,247.59	7,287.59	7,287.59	104.16	252.69	89.64	1,666.98	-7,065.20	6,722.37	6,396.94	325.43	20.657	
11,100.00	7,248.17	7,288.17	7,288.17	106.76	252.71	89.64	1,666.98	-7,065.20	6,648.86	6,321.23	327.63	20.294	
11,200.00	7,248.75	7,288.75	7,288.75	109.37	252.73	89.65	1,666.98	-7,065.20	6,576.05	6,246.14	329.92	19.932	
11,300.00	7,249.33	7,289.33	7,289.33	112.00	252.75	89.66	1,666.98	-7,065.20	6,503.97	6,171.69	332.28	19.574	
11,400.00	7,249.91	7,289.91	7,289.91	114.64	252.77	89.66	1,666.98	-7,065.20	6,432.63	6,097.92	334.72	19.218	
11,500.00	7,250.49	7,309.51	7,290.49	117.29	253.45	89.67	1,666.98	-7,065.20	6,362.07	6,024.17	337.89	18.829	
11,600.00	7,251.07	7,308.93	7,291.07	119.95	253.43	89.68	1,666.98	-7,065.20	6,292.30	5,951.86	340.44	18.483	
11,700.00	7,251.65	7,308.35	7,291.65	122.62	253.41	89.69	1,666.98	-7,065.20	6,223.35	5,880.29	343.06	18.140	
11,800.00	7,252.23	7,307.77	7,292.23	125.30	253.39	89.69	1,666.98	-7,065.20	6,155.26	5,809.50	345.76	17.802	
11,900.00	7,252.82	7,307.18	7,292.82	127.98	253.37	89.70	1,666.98	-7,065.20	6,088.05	5,739.52	348.53	17.468	
12,000.00	7,253.40	7,306.60	7,293.40	130.68	253.35	89.71	1,666.98	-7,065.20	6,021.75	5,670.38	351.38	17.138	
12,100.00	7,253.98	7,306.02	7,293.98	133.38	253.33	89.72	1,666.98	-7,065.20	5,956.39	5,602.10	354.29	16.812	
12,200.00	7,254.56	7,305.44	7,294.56	136.09	253.31	89.72	1,666.98	-7,065.20	5,892.01	5,534.73	357.28	16.491	
12,300.00	7,255.14	7,304.86	7,295.14	138.81	253.29	89.73	1,666.98	-7,065.20	5,828.63	5,468.29	360.34	16.175	
12,400.00	7,255.72	7,304.28	7,295.72	141.53	253.27	89.74	1,666.98	-7,065.20	5,766.28	5,402.82	363.46	15.865	
12,500.00	7,256.30	7,303.70	7,296.30	144.26	253.25	89.75	1,666.98	-7,065.20	5,705.01	5,338.35	366.66	15.559	
12,600.00	7,256.88	7,303.12	7,296.88	146.99	253.23	89.75	1,666.98	-7,065.20	5,644.84	5,274.92	369.92	15.260	
12,700.00	7,257.46	7,302.54	7,297.46	149.73	253.21	89.76	1,666.98	-7,065.20	5,585.82	5,212.57	373.24	14.966	
12,800.00	7,258.04	7,301.96	7,298.04	152.47	253.19	89.77	1,666.98	-7,065.20	5,527.97	5,151.34	376.63	14.677	
12,900.00	7,258.63	7,301.37	7,298.63	155.22	253.17	89.77	1,666.98	-7,065.20	5,471.34	5,091.26	380.08	14.395	
13,000.00	7,259.21	7,300.79	7,299.21	157.97	253.15	89.78	1,666.98	-7,065.20	5,415.97	5,032.38	383.59	14.119	
13,100.00	7,259.79	7,300.21	7,299.79	160.72	253.13	89.79	1,666.98	-7,065.20	5,361.89	4,974.73	387.16	13.849	
13,200.00	7,260.37	7,300.37	7,300.37	163.48	253.13	89.80	1,666.98	-7,065.20	5,309.14	4,918.34	390.80	13.585	
13,300.00	7,260.95	7,300.95	7,300.95	166.24	253.15	89.80	1,666.98	-7,065.20	5,257.76	4,863.25	394.51	13.327	
13,400.00	7,261.53	7,301.53	7,301.53	169.01	253.17	89.81	1,666.98	-7,065.20	5,207.80	4,809.53	398.27	13.076	
13,480.77	7,262.00	7,302.00	7,302.00	171.24	253.19	89.82	1,666.98	-7,065.20	5,168.50	4,767.17	401.33	12.878	CC, ES, SF

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

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

Offset Design Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	30.00	30.00	3.28	3.32	-75.56	1,473.55	-5,722.12	5,908.80				
100.00	100.00	130.00	130.00	3.28	4.31	-75.56	1,473.55	-5,722.12	5,908.80	5,901.21	7.59	778.231	
200.00	200.00	230.00	230.00	3.34	7.09	-75.56	1,473.55	-5,722.12	5,908.80	5,898.38	10.43	566.771	
300.00	300.00	330.00	330.00	3.44	10.31	-75.56	1,473.55	-5,722.12	5,908.80	5,895.05	13.76	429.564	
400.00	399.98	429.98	429.98	3.60	13.66	129.32	1,473.55	-5,722.12	5,909.91	5,892.65	17.26	342.398	
500.00	499.84	529.84	529.84	3.79	17.07	129.30	1,473.55	-5,722.12	5,913.23	5,892.37	20.86	283.537	
600.00	599.45	629.45	629.45	4.02	20.49	129.28	1,473.55	-5,722.12	5,918.76	5,894.25	24.51	241.471	
700.00	698.70	728.70	728.70	4.29	23.92	129.25	1,473.55	-5,722.12	5,926.51	5,898.30	28.21	210.101	
800.00	797.47	827.47	827.47	4.59	27.34	129.22	1,473.55	-5,722.12	5,936.48	5,904.55	31.93	185.914	
900.00	895.62	925.62	925.62	4.93	30.74	129.17	1,473.55	-5,722.12	5,948.67	5,913.00	35.67	166.763	
1,000.00	993.06	1,023.06	1,023.06	5.31	34.13	129.11	1,473.55	-5,722.12	5,963.09	5,923.67	39.42	151.271	
1,100.00	1,089.64	1,119.64	1,119.64	5.72	37.49	129.03	1,473.55	-5,722.12	5,979.74	5,936.57	43.17	138.515	
1,200.00	1,185.27	1,215.27	1,215.27	6.16	40.81	128.94	1,473.55	-5,722.12	5,998.63	5,951.72	46.92	127.857	
1,300.00	1,279.82	1,309.82	1,309.82	6.64	44.10	128.84	1,473.55	-5,722.12	6,019.77	5,969.11	50.65	118.840	
1,400.00	1,373.17	1,403.17	1,403.17	7.15	47.35	128.72	1,473.55	-5,722.12	6,043.14	5,988.76	54.38	111.130	
1,500.00	1,465.21	1,504.79	1,495.21	7.70	50.89	128.58	1,473.55	-5,722.12	6,068.77	6,010.35	58.42	103.883	
1,600.00	1,555.84	1,585.84	1,585.84	8.30	53.72	128.42	1,473.55	-5,722.12	6,096.65	6,034.88	61.77	98.697	
1,651.50	1,601.92	1,631.92	1,631.92	8.62	55.32	128.33	1,473.55	-5,722.12	6,111.89	6,048.23	63.66	96.008	
1,700.00	1,645.13	1,675.13	1,675.13	8.93	56.83	128.48	1,473.55	-5,722.12	6,126.54	6,061.11	65.43	93.628	
1,800.00	1,734.20	1,764.20	1,764.20	9.58	59.93	128.79	1,473.55	-5,722.12	6,156.89	6,087.79	69.10	89.096	
1,900.00	1,823.28	1,853.28	1,853.28	10.25	63.04	129.10	1,473.55	-5,722.12	6,187.43	6,114.65	72.78	85.010	
2,000.00	1,912.36	1,942.36	1,942.36	10.94	66.14	129.40	1,473.55	-5,722.12	6,218.15	6,141.68	76.48	81.309	
2,100.00	2,001.43	2,031.43	2,031.43	11.63	69.25	129.70	1,473.55	-5,722.12	6,249.05	6,168.88	80.17	77.943	
2,200.00	2,090.51	2,120.51	2,120.51	12.34	72.36	130.00	1,473.55	-5,722.12	6,280.12	6,196.25	83.88	74.871	
2,300.00	2,179.59	2,209.59	2,209.59	13.05	75.46	130.30	1,473.55	-5,722.12	6,311.37	6,223.79	87.59	72.057	
2,400.00	2,268.66	2,301.34	2,298.66	13.76	78.66	130.59	1,473.55	-5,722.12	6,342.80	6,251.40	91.40	69.400	
2,500.00	2,357.74	2,387.74	2,387.74	14.49	81.68	130.88	1,473.55	-5,722.12	6,374.39	6,279.37	95.02	67.086	
2,600.00	2,446.82	2,476.82	2,476.82	15.21	84.78	131.17	1,473.55	-5,722.12	6,406.14	6,307.41	98.74	64.881	
2,700.00	2,535.89	2,565.89	2,565.89	15.95	87.89	131.46	1,473.55	-5,722.12	6,438.06	6,335.61	102.46	62.836	
2,800.00	2,624.97	2,654.97	2,654.97	16.68	91.00	131.74	1,473.55	-5,722.12	6,470.15	6,363.97	106.18	60.936	
2,900.00	2,714.05	2,744.05	2,744.05	17.42	94.11	132.02	1,473.55	-5,722.12	6,502.39	6,392.49	109.90	59.165	
3,000.00	2,803.12	2,833.12	2,833.12	18.16	97.21	132.30	1,473.55	-5,722.12	6,534.79	6,421.16	113.63	57.511	
3,100.00	2,892.20	2,922.20	2,922.20	18.90	100.32	132.58	1,473.55	-5,722.12	6,567.34	6,449.99	117.35	55.964	
3,200.00	2,981.28	3,011.28	3,011.28	19.65	103.43	132.85	1,473.55	-5,722.12	6,600.05	6,478.98	121.07	54.513	
3,300.00	3,070.36	3,100.36	3,100.36	20.40	106.54	133.12	1,473.55	-5,722.12	6,632.90	6,508.11	124.80	53.150	
3,400.00	3,159.43	3,189.43	3,189.43	21.14	109.65	133.39	1,473.55	-5,722.12	6,665.91	6,537.39	128.52	51.867	
3,500.00	3,248.51	3,278.51	3,278.51	21.89	112.76	133.66	1,473.55	-5,722.12	6,699.06	6,566.82	132.24	50.657	
3,600.00	3,337.59	3,367.59	3,367.59	22.65	115.86	133.93	1,473.55	-5,722.12	6,732.35	6,596.39	135.97	49.515	
3,700.00	3,426.66	3,456.66	3,456.66	23.40	118.97	134.19	1,473.55	-5,722.12	6,765.79	6,626.10	139.69	48.435	
3,800.00	3,515.74	3,545.74	3,545.74	24.15	122.08	134.45	1,473.55	-5,722.12	6,799.36	6,655.95	143.41	47.413	
3,900.00	3,604.82	3,634.82	3,634.82	24.91	125.19	134.70	1,473.55	-5,722.12	6,833.07	6,685.95	147.13	46.443	
4,000.00	3,693.89	3,723.89	3,723.89	25.66	128.30	134.96	1,473.55	-5,722.12	6,866.92	6,716.07	150.85	45.523	
4,100.00	3,782.97	3,812.97	3,812.97	26.42	131.41	135.21	1,473.55	-5,722.12	6,900.90	6,746.33	154.56	44.647	
4,200.00	3,872.05	3,902.05	3,902.05	27.18	134.52	135.46	1,473.55	-5,722.12	6,935.01	6,776.73	158.28	43.814	
4,300.00	3,961.12	4,008.88	3,991.12	27.94	138.24	135.71	1,473.55	-5,722.12	6,969.25	6,806.63	162.62	42.857	
4,400.00	4,050.20	4,080.20	4,080.20	28.69	140.73	135.96	1,473.55	-5,722.12	7,003.62	6,837.91	165.71	42.264	
4,500.00	4,139.28	4,169.28	4,169.28	29.45	143.84	136.20	1,473.55	-5,722.12	7,038.11	6,868.69	169.43	41.541	
4,600.00	4,228.35	4,258.35	4,258.35	30.21	146.95	136.44	1,473.55	-5,722.12	7,072.73	6,899.59	173.14	40.850	
4,700.00	4,317.43	4,347.43	4,347.43	30.97	150.06	136.68	1,473.55	-5,722.12	7,107.47	6,930.62	176.85	40.189	
4,800.00	4,406.51	4,436.51	4,436.51	31.73	153.17	136.92	1,473.55	-5,722.12	7,142.33	6,961.77	180.56	39.556	
4,900.00	4,495.59	4,525.59	4,525.59	32.50	156.28	137.16	1,473.55	-5,722.12	7,177.31	6,993.04	184.27	38.950	
5,000.00	4,584.66	4,614.66	4,614.66	33.26	159.39	137.39	1,473.55	-5,722.12	7,212.40	7,024.42	187.98	38.368	

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

Offset Design Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,703.74	4,703.74	34.02	162.50	137.62	1,473.55	-5,722.12	7,247.61	7,055.93	191.69	37.809	
5,200.00	4,762.82	4,807.18	4,792.82	34.78	166.11	137.85	1,473.55	-5,722.12	7,282.94	7,087.04	195.90	37.178	
5,300.00	4,851.89	4,881.89	4,881.89	35.54	168.71	138.08	1,473.55	-5,722.12	7,318.37	7,119.27	199.10	36.757	
5,400.00	4,940.97	4,970.97	4,970.97	36.31	171.82	138.31	1,473.55	-5,722.12	7,353.92	7,151.11	202.80	36.261	
5,500.00	5,030.05	5,060.05	5,060.05	37.07	174.93	138.53	1,473.55	-5,722.12	7,389.57	7,183.06	206.51	35.784	
5,600.00	5,119.12	5,149.12	5,149.12	37.83	178.04	138.75	1,473.55	-5,722.12	7,425.33	7,215.12	210.21	35.324	
5,700.00	5,208.20	5,238.20	5,238.20	38.60	181.15	138.97	1,473.55	-5,722.12	7,461.20	7,247.29	213.91	34.880	
5,800.00	5,297.28	5,327.28	5,327.28	39.36	184.26	139.19	1,473.55	-5,722.12	7,497.17	7,279.56	217.61	34.453	
5,900.00	5,386.35	5,416.35	5,416.35	40.13	187.37	139.40	1,473.55	-5,722.12	7,533.24	7,311.93	221.31	34.040	
6,000.00	5,475.43	5,505.43	5,505.43	40.89	190.48	139.62	1,473.55	-5,722.12	7,569.41	7,344.41	225.00	33.641	
6,100.00	5,564.51	5,605.49	5,594.51	41.66	193.97	139.83	1,473.55	-5,722.12	7,605.69	7,376.60	229.08	33.201	
6,200.00	5,653.58	5,683.58	5,683.58	42.42	196.70	140.04	1,473.55	-5,722.12	7,642.06	7,409.66	232.40	32.884	
6,300.00	5,742.66	5,772.66	5,772.66	43.19	199.81	140.25	1,473.55	-5,722.12	7,678.52	7,442.43	236.09	32.524	
6,400.00	5,831.74	5,861.74	5,861.74	43.95	202.91	140.45	1,473.55	-5,722.12	7,715.09	7,475.30	239.78	32.175	
6,500.00	5,920.82	5,950.82	5,950.82	44.72	206.02	140.66	1,473.55	-5,722.12	7,751.74	7,508.27	243.48	31.838	
6,600.00	6,009.89	6,039.89	6,039.89	45.48	209.13	140.86	1,473.55	-5,722.12	7,788.49	7,541.33	247.17	31.511	
6,700.00	6,098.97	6,128.97	6,128.97	46.25	212.24	141.06	1,473.55	-5,722.12	7,825.33	7,574.48	250.86	31.194	
6,800.00	6,188.05	6,218.05	6,218.05	47.01	215.35	141.26	1,473.55	-5,722.12	7,862.27	7,607.72	254.55	30.887	
6,900.00	6,277.12	6,307.12	6,307.12	47.78	218.46	141.46	1,473.55	-5,722.12	7,899.28	7,641.05	258.23	30.590	
7,000.00	6,366.20	6,403.80	6,396.20	48.55	221.84	141.66	1,473.55	-5,722.12	7,936.39	7,674.20	262.19	30.270	
7,100.00	6,455.28	6,485.28	6,485.28	49.31	224.68	141.85	1,473.55	-5,722.12	7,973.59	7,707.98	265.61	30.020	
7,197.64	6,542.25	6,572.25	6,572.25	50.06	227.72	142.04	1,473.55	-5,722.12	8,009.98	7,740.78	269.21	29.754	
7,200.00	6,544.35	6,574.35	6,574.35	50.08	227.79	141.62	1,473.55	-5,722.12	8,010.86	7,741.57	269.29	29.748	
7,250.00	6,589.22	6,619.22	6,619.22	50.44	229.36	132.25	1,473.55	-5,722.12	8,027.77	7,756.63	271.14	29.607	
7,300.00	6,634.48	6,664.48	6,664.48	50.77	230.94	122.29	1,473.55	-5,722.12	8,041.44	7,768.44	273.00	29.456	
7,350.00	6,679.86	6,709.86	6,709.86	51.06	232.52	112.25	1,473.55	-5,722.12	8,051.77	7,776.94	274.84	29.296	
7,400.00	6,725.09	6,755.09	6,755.09	51.31	234.10	102.70	1,473.55	-5,722.12	8,058.74	7,782.09	276.65	29.130	
7,450.00	6,769.87	6,800.13	6,799.87	51.52	235.67	94.14	1,473.55	-5,722.12	8,062.30	7,783.87	278.42	28.957	
7,500.00	6,813.94	6,843.94	6,843.94	51.69	237.20	86.82	1,473.55	-5,722.12	8,062.45	7,782.33	280.12	28.782	
7,550.00	6,857.03	6,887.03	6,887.03	51.84	238.70	80.78	1,473.55	-5,722.12	8,059.20	7,777.44	281.75	28.604	
7,600.00	6,898.86	6,928.86	6,928.86	51.95	240.16	75.95	1,473.55	-5,722.12	8,052.58	7,769.28	283.30	28.424	
7,650.00	6,939.19	6,969.19	6,969.19	52.05	241.57	72.19	1,473.55	-5,722.12	8,042.66	7,757.89	284.77	28.243	
7,700.00	6,977.75	7,007.75	7,007.75	52.13	242.92	69.37	1,473.55	-5,722.12	8,029.50	7,743.36	286.14	28.061	
7,750.00	7,014.32	7,044.32	7,044.32	52.20	244.19	67.35	1,473.55	-5,722.12	8,013.19	7,725.78	287.41	27.880	
7,800.00	7,048.67	7,078.67	7,078.67	52.26	245.39	66.06	1,473.55	-5,722.12	7,993.85	7,705.26	288.59	27.700	
7,850.00	7,080.59	7,110.59	7,110.59	52.33	246.51	65.41	1,473.55	-5,722.12	7,971.61	7,681.95	289.66	27.520	
7,900.00	7,109.87	7,139.87	7,139.87	52.39	247.53	65.36	1,473.55	-5,722.12	7,946.60	7,655.97	290.63	27.343	
7,950.00	7,136.35	7,166.35	7,166.35	52.47	248.45	65.90	1,473.55	-5,722.12	7,918.99	7,627.49	291.50	27.166	
8,000.00	7,159.85	7,189.85	7,189.85	52.55	249.27	67.02	1,473.55	-5,722.12	7,888.95	7,596.68	292.26	26.992	
8,050.00	7,180.23	7,210.23	7,210.23	52.64	249.99	68.74	1,473.55	-5,722.12	7,856.66	7,563.73	292.93	26.821	
8,100.00	7,197.37	7,227.37	7,227.37	52.75	250.58	71.07	1,473.55	-5,722.12	7,822.33	7,528.84	293.49	26.652	
8,150.00	7,211.16	7,241.16	7,241.16	52.88	251.07	74.08	1,473.55	-5,722.12	7,786.16	7,492.20	293.96	26.487	
8,200.00	7,221.51	7,251.51	7,251.51	53.03	251.43	77.79	1,473.55	-5,722.12	7,748.36	7,454.04	294.33	26.326	
8,250.00	7,228.37	7,258.37	7,258.37	53.20	251.67	82.26	1,473.55	-5,722.12	7,709.17	7,414.58	294.59	26.169	
8,300.00	7,231.68	7,261.68	7,261.68	53.40	251.78	87.50	1,473.55	-5,722.12	7,668.81	7,374.05	294.76	26.017	
8,317.45	7,232.00	7,262.00	7,262.00	53.47	251.79	89.52	1,473.55	-5,722.12	7,654.49	7,359.69	294.80	25.965	
8,400.00	7,232.48	7,262.48	7,262.48	53.86	251.81	89.52	1,473.55	-5,722.12	7,586.66	7,291.70	294.96	25.721	
8,500.00	7,233.06	7,263.06	7,263.06	54.44	251.83	89.53	1,473.55	-5,722.12	7,504.88	7,209.65	295.23	25.420	
8,600.00	7,233.64	7,263.64	7,263.64	55.14	251.85	89.54	1,473.55	-5,722.12	7,423.55	7,127.97	295.59	25.115	
8,700.00	7,234.22	7,264.22	7,264.22	55.99	251.87	89.55	1,473.55	-5,722.12	7,342.68	7,046.66	296.02	24.804	
8,800.00	7,234.80	7,264.80	7,264.80	57.00	251.89	89.55	1,473.55	-5,722.12	7,262.29	6,965.74	296.55	24.489	
8,900.00	7,235.39	7,265.39	7,265.39	58.18	251.91	89.56	1,473.55	-5,722.12	7,182.39	6,885.22	297.17	24.169	

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

Offset Design Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,265.97	7,265.97	59.53	251.93	89.57	1,473.55	-5,722.12	7,103.00	6,805.12	297.88	23.845	
9,100.00	7,236.55	7,266.55	7,266.55	61.04	251.95	89.58	1,473.55	-5,722.12	7,024.13	6,725.44	298.69	23.516	
9,200.00	7,237.13	7,267.13	7,267.13	62.69	251.97	89.58	1,473.55	-5,722.12	6,945.81	6,646.21	299.60	23.184	
9,300.00	7,237.71	7,267.71	7,267.71	64.47	251.99	89.59	1,473.55	-5,722.12	6,868.05	6,567.45	300.60	22.848	
9,400.00	7,238.29	7,268.29	7,268.29	66.36	252.01	89.60	1,473.55	-5,722.12	6,790.88	6,489.17	301.70	22.508	
9,500.00	7,238.87	7,268.87	7,268.87	68.34	252.03	89.61	1,473.55	-5,722.12	6,714.30	6,411.40	302.90	22.166	
9,600.00	7,239.45	7,269.45	7,269.45	70.41	252.05	89.62	1,473.55	-5,722.12	6,638.35	6,334.15	304.21	21.822	
9,700.00	7,240.03	7,270.03	7,270.03	72.55	252.07	89.62	1,473.55	-5,722.12	6,563.05	6,257.44	305.61	21.476	
9,800.00	7,240.61	7,270.61	7,270.61	74.76	252.09	89.63	1,473.55	-5,722.12	6,488.41	6,181.30	307.10	21.128	
9,900.00	7,241.20	7,271.20	7,271.20	77.02	252.11	89.64	1,473.55	-5,722.12	6,414.46	6,105.76	308.70	20.779	
10,000.00	7,241.78	7,271.78	7,271.78	79.33	252.13	89.65	1,473.55	-5,722.12	6,341.22	6,030.83	310.39	20.430	
10,100.00	7,242.36	7,272.36	7,272.36	81.68	252.15	89.65	1,473.55	-5,722.12	6,268.73	5,956.55	312.18	20.080	
10,200.00	7,242.94	7,272.94	7,272.94	84.07	252.17	89.66	1,473.55	-5,722.12	6,197.00	5,882.93	314.07	19.731	
10,300.00	7,243.52	7,273.52	7,273.52	86.49	252.19	89.67	1,473.55	-5,722.12	6,126.07	5,810.02	316.05	19.383	
10,400.00	7,244.10	7,274.10	7,274.10	88.95	252.22	89.68	1,473.55	-5,722.12	6,055.95	5,737.83	318.12	19.037	
10,500.00	7,244.68	7,274.68	7,274.68	91.43	252.24	89.68	1,473.55	-5,722.12	5,986.68	5,666.40	320.28	18.692	
10,600.00	7,245.26	7,275.26	7,275.26	93.93	252.26	89.69	1,473.55	-5,722.12	5,918.30	5,595.76	322.54	18.349	
10,700.00	7,245.84	7,275.84	7,275.84	96.46	252.28	89.70	1,473.55	-5,722.12	5,850.82	5,525.94	324.88	18.009	
10,800.00	7,246.42	7,276.42	7,276.42	99.01	252.30	89.71	1,473.55	-5,722.12	5,784.28	5,456.97	327.31	17.672	
10,900.00	7,247.01	7,277.01	7,277.01	101.58	252.32	89.71	1,473.55	-5,722.12	5,718.72	5,388.89	329.83	17.339	
11,000.00	7,247.59	7,277.59	7,277.59	104.16	252.34	89.72	1,473.55	-5,722.12	5,654.17	5,321.74	332.43	17.009	
11,100.00	7,248.17	7,278.17	7,278.17	106.76	252.36	89.73	1,473.55	-5,722.12	5,590.66	5,255.55	335.11	16.683	
11,200.00	7,248.75	7,278.75	7,278.75	109.37	252.38	89.74	1,473.55	-5,722.12	5,528.23	5,190.35	337.88	16.362	
11,300.00	7,249.33	7,279.33	7,279.33	112.00	252.40	89.75	1,473.55	-5,722.12	5,466.91	5,126.19	340.72	16.045	
11,400.00	7,249.91	7,279.91	7,279.91	114.64	252.42	89.75	1,473.55	-5,722.12	5,406.75	5,063.11	343.65	15.734	
11,500.00	7,250.49	7,280.49	7,280.49	117.29	252.44	89.76	1,473.55	-5,722.12	5,347.79	5,001.14	346.64	15.427	
11,600.00	7,251.07	7,281.07	7,281.07	119.95	252.46	89.77	1,473.55	-5,722.12	5,290.05	4,940.33	349.72	15.127	
11,700.00	7,251.65	7,281.65	7,281.65	122.62	252.48	89.78	1,473.55	-5,722.12	5,233.59	4,880.73	352.86	14.832	
11,800.00	7,252.23	7,282.23	7,282.23	125.30	252.50	89.78	1,473.55	-5,722.12	5,178.45	4,822.37	356.07	14.543	
11,900.00	7,252.82	7,282.82	7,282.82	127.98	252.52	89.79	1,473.55	-5,722.12	5,124.66	4,765.31	359.35	14.261	
12,000.00	7,253.40	7,283.40	7,283.40	130.68	252.54	89.80	1,473.55	-5,722.12	5,072.28	4,709.58	362.69	13.985	
12,100.00	7,253.98	7,283.98	7,283.98	133.38	252.56	89.81	1,473.55	-5,722.12	5,021.34	4,655.24	366.10	13.716	
12,200.00	7,254.56	7,284.56	7,284.56	136.09	252.58	89.81	1,473.55	-5,722.12	4,971.89	4,602.34	369.55	13.454	
12,300.00	7,255.14	7,285.14	7,285.14	138.81	252.60	89.82	1,473.55	-5,722.12	4,923.97	4,550.91	373.06	13.199	
12,400.00	7,255.72	7,285.72	7,285.72	141.53	252.62	89.83	1,473.55	-5,722.12	4,877.64	4,501.02	376.62	12.951	
12,500.00	7,256.30	7,286.30	7,286.30	144.26	252.64	89.84	1,473.55	-5,722.12	4,832.93	4,452.70	380.22	12.711	
12,600.00	7,256.88	7,286.88	7,286.88	146.99	252.66	89.85	1,473.55	-5,722.12	4,789.89	4,406.02	383.86	12.478	
12,700.00	7,257.46	7,287.46	7,287.46	149.73	252.68	89.85	1,473.55	-5,722.12	4,748.56	4,361.02	387.54	12.253	
12,800.00	7,258.04	7,288.04	7,288.04	152.47	252.70	89.86	1,473.55	-5,722.12	4,709.00	4,317.76	391.24	12.036	
12,900.00	7,258.63	7,288.63	7,288.63	155.22	252.72	89.87	1,473.55	-5,722.12	4,671.24	4,276.27	394.97	11.827	
13,000.00	7,259.21	7,289.21	7,289.21	157.97	252.74	89.88	1,473.55	-5,722.12	4,635.34	4,236.62	398.71	11.626	
13,100.00	7,259.79	7,289.79	7,289.79	160.72	252.76	89.88	1,473.55	-5,722.12	4,601.32	4,198.85	402.47	11.433	
13,200.00	7,260.37	7,309.63	7,290.37	163.48	253.46	89.89	1,473.55	-5,722.12	4,569.24	4,162.34	406.90	11.229	
13,300.00	7,260.95	7,309.05	7,290.95	166.24	253.44	89.90	1,473.55	-5,722.12	4,539.14	4,128.53	410.62	11.054	
13,400.00	7,261.53	7,308.47	7,291.53	169.01	253.41	89.91	1,473.55	-5,722.12	4,511.06	4,096.74	414.32	10.888	
13,480.77	7,262.00	7,308.00	7,292.00	171.24	253.40	89.91	1,473.55	-5,722.12	4,489.87	4,072.57	417.30	10.759	CC, ES, SF

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

Offset Design Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	23.00	23.00	3.28	3.30	-86.48	268.51	-4,370.01	4,378.25				
100.00	100.00	123.00	123.00	3.28	4.15	-86.48	268.51	-4,370.01	4,378.25	4,370.81	7.44	588.605	
200.00	200.00	223.00	223.00	3.34	6.87	-86.48	268.51	-4,370.01	4,378.25	4,368.04	10.21	428.834	
300.00	300.00	323.00	323.00	3.44	10.08	-86.48	268.51	-4,370.01	4,378.25	4,364.73	13.52	323.740	
400.00	399.98	422.98	422.98	3.60	13.43	118.40	268.51	-4,370.01	4,379.08	4,362.06	17.02	257.243	
500.00	499.84	522.84	522.84	3.79	16.83	118.42	268.51	-4,370.01	4,381.58	4,360.96	20.61	212.544	
600.00	599.45	622.45	622.45	4.02	20.25	118.44	268.51	-4,370.01	4,385.74	4,361.47	24.27	180.712	
700.00	698.70	721.70	721.70	4.29	23.68	118.48	268.51	-4,370.01	4,391.58	4,363.61	27.97	157.038	
800.00	797.47	820.47	820.47	4.59	27.10	118.53	268.51	-4,370.01	4,399.12	4,367.43	31.69	138.821	
900.00	895.62	918.62	918.62	4.93	30.50	118.58	268.51	-4,370.01	4,408.37	4,372.94	35.43	124.420	
1,000.00	993.06	1,016.06	1,016.06	5.31	33.88	118.63	268.51	-4,370.01	4,419.36	4,380.17	39.18	112.785	
1,100.00	1,089.64	1,112.64	1,112.64	5.72	37.24	118.69	268.51	-4,370.01	4,432.10	4,389.16	42.94	103.214	
1,200.00	1,185.27	1,208.27	1,208.27	6.16	40.57	118.76	268.51	-4,370.01	4,446.64	4,399.95	46.70	95.224	
1,300.00	1,279.82	1,302.82	1,302.82	6.64	43.86	118.82	268.51	-4,370.01	4,463.00	4,412.56	50.45	88.469	
1,400.00	1,373.17	1,403.83	1,396.17	7.15	47.38	118.88	268.51	-4,370.01	4,481.22	4,426.76	54.45	82.293	
1,500.00	1,465.21	1,488.21	1,488.21	7.70	50.32	118.93	268.51	-4,370.01	4,501.31	4,443.40	57.91	77.724	
1,600.00	1,555.84	1,578.84	1,578.84	8.30	53.47	118.97	268.51	-4,370.01	4,523.33	4,461.71	61.62	73.403	
1,651.50	1,601.92	1,624.92	1,624.92	8.62	55.08	118.98	268.51	-4,370.01	4,535.43	4,471.90	63.53	71.395	
1,700.00	1,645.13	1,668.13	1,668.13	8.93	56.58	119.21	268.51	-4,370.01	4,547.11	4,481.79	65.31	69.619	
1,800.00	1,734.20	1,757.20	1,757.20	9.58	59.69	119.66	268.51	-4,370.01	4,571.43	4,502.41	69.01	66.239	
1,900.00	1,823.28	1,846.28	1,846.28	10.25	62.79	120.12	268.51	-4,370.01	4,596.07	4,523.34	72.73	63.196	
2,000.00	1,912.36	1,935.36	1,935.36	10.94	65.90	120.56	268.51	-4,370.01	4,621.02	4,544.58	76.45	60.446	
2,100.00	2,001.43	2,024.43	2,024.43	11.63	69.01	121.01	268.51	-4,370.01	4,646.29	4,566.11	80.18	57.950	
2,200.00	2,090.51	2,113.51	2,113.51	12.34	72.11	121.45	268.51	-4,370.01	4,671.86	4,587.95	83.91	55.676	
2,300.00	2,179.59	2,202.59	2,202.59	13.05	75.22	121.89	268.51	-4,370.01	4,697.73	4,610.08	87.65	53.596	
2,400.00	2,268.66	2,308.34	2,291.66	13.76	78.91	122.32	268.51	-4,370.01	4,723.90	4,631.93	91.97	51.361	
2,500.00	2,357.74	2,380.74	2,380.74	14.49	81.43	122.75	268.51	-4,370.01	4,750.36	4,655.22	95.14	49.931	
2,600.00	2,446.82	2,469.82	2,469.82	15.21	84.54	123.17	268.51	-4,370.01	4,777.10	4,678.22	98.88	48.310	
2,700.00	2,535.89	2,558.89	2,558.89	15.95	87.65	123.59	268.51	-4,370.01	4,804.13	4,701.50	102.63	46.810	
2,800.00	2,624.97	2,647.97	2,647.97	16.68	90.75	124.01	268.51	-4,370.01	4,831.43	4,725.05	106.38	45.418	
2,900.00	2,714.05	2,737.05	2,737.05	17.42	93.86	124.42	268.51	-4,370.01	4,859.00	4,748.88	110.12	44.123	
3,000.00	2,803.12	2,826.12	2,826.12	18.16	96.97	124.83	268.51	-4,370.01	4,886.84	4,772.97	113.87	42.915	
3,100.00	2,892.20	2,915.20	2,915.20	18.90	100.08	125.23	268.51	-4,370.01	4,914.95	4,797.33	117.62	41.787	
3,200.00	2,981.28	3,004.28	3,004.28	19.65	103.19	125.63	268.51	-4,370.01	4,943.31	4,821.94	121.36	40.731	
3,300.00	3,070.36	3,106.64	3,093.36	20.40	106.76	126.02	268.51	-4,370.01	4,971.92	4,846.35	125.57	39.594	
3,400.00	3,159.43	3,182.43	3,182.43	21.14	109.40	126.42	268.51	-4,370.01	5,000.79	4,871.94	128.85	38.811	
3,500.00	3,248.51	3,271.51	3,271.51	21.89	112.51	126.80	268.51	-4,370.01	5,029.89	4,897.30	132.59	37.935	
3,600.00	3,337.59	3,360.59	3,360.59	22.65	115.62	127.19	268.51	-4,370.01	5,059.24	4,922.91	136.33	37.109	
3,700.00	3,426.66	3,449.66	3,449.66	23.40	118.73	127.57	268.51	-4,370.01	5,088.83	4,948.76	140.07	36.330	
3,800.00	3,515.74	3,538.74	3,538.74	24.15	121.84	127.95	268.51	-4,370.01	5,118.65	4,974.84	143.81	35.593	
3,900.00	3,604.82	3,627.82	3,627.82	24.91	124.94	128.32	268.51	-4,370.01	5,148.70	5,001.15	147.55	34.896	
4,000.00	3,693.89	3,716.89	3,716.89	25.66	128.05	128.69	268.51	-4,370.01	5,178.97	5,027.69	151.28	34.234	
4,100.00	3,782.97	3,805.97	3,805.97	26.42	131.16	129.05	268.51	-4,370.01	5,209.46	5,054.45	155.01	33.607	
4,200.00	3,872.05	3,904.95	3,895.05	27.18	134.62	129.41	268.51	-4,370.01	5,240.17	5,081.08	159.09	32.939	
4,300.00	3,961.12	3,984.12	3,984.12	27.94	137.38	129.77	268.51	-4,370.01	5,271.09	5,108.62	162.47	32.443	
4,400.00	4,050.20	4,073.20	4,073.20	28.69	140.49	130.12	268.51	-4,370.01	5,302.22	5,136.02	166.20	31.903	
4,500.00	4,139.28	4,162.28	4,162.28	29.45	143.60	130.48	268.51	-4,370.01	5,333.56	5,163.63	169.92	31.388	
4,600.00	4,228.35	4,251.35	4,251.35	30.21	146.71	130.82	268.51	-4,370.01	5,365.09	5,191.45	173.64	30.897	
4,700.00	4,317.43	4,340.43	4,340.43	30.97	149.82	131.16	268.51	-4,370.01	5,396.83	5,219.47	177.37	30.428	
4,800.00	4,406.51	4,429.51	4,429.51	31.73	152.92	131.50	268.51	-4,370.01	5,428.76	5,247.68	181.09	29.979	
4,900.00	4,495.59	4,518.59	4,518.59	32.50	156.03	131.84	268.51	-4,370.01	5,460.89	5,276.08	184.80	29.550	
5,000.00	4,584.66	4,607.66	4,607.66	33.26	159.14	132.17	268.51	-4,370.01	5,493.20	5,304.68	188.52	29.139	

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

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

Offset Design Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,703.26	4,696.74	34.02	162.48	132.50	268.51	-4,370.01	5,525.69	5,333.23	192.46	28.711	
5,200.00	4,762.82	4,785.82	4,785.82	34.78	165.36	132.83	268.51	-4,370.01	5,558.37	5,362.43	195.94	28.367	
5,300.00	4,851.89	4,874.89	4,874.89	35.54	168.47	133.15	268.51	-4,370.01	5,591.23	5,391.57	199.65	28.005	
5,400.00	4,940.97	4,963.97	4,963.97	36.31	171.58	133.47	268.51	-4,370.01	5,624.26	5,420.90	203.36	27.656	
5,500.00	5,030.05	5,053.05	5,053.05	37.07	174.69	133.78	268.51	-4,370.01	5,657.46	5,450.39	207.07	27.322	
5,600.00	5,119.12	5,142.12	5,142.12	37.83	177.80	134.10	268.51	-4,370.01	5,690.83	5,480.06	210.77	27.000	
5,700.00	5,208.20	5,231.20	5,231.20	38.60	180.91	134.41	268.51	-4,370.01	5,724.37	5,509.89	214.48	26.690	
5,800.00	5,297.28	5,320.28	5,320.28	39.36	184.01	134.71	268.51	-4,370.01	5,758.08	5,539.90	218.18	26.391	
5,900.00	5,386.35	5,409.35	5,409.35	40.13	187.12	135.01	268.51	-4,370.01	5,791.94	5,570.06	221.88	26.104	
6,000.00	5,475.43	5,501.57	5,498.43	40.89	190.34	135.31	268.51	-4,370.01	5,825.96	5,600.27	225.69	25.814	
6,100.00	5,564.51	5,587.51	5,587.51	41.66	193.34	135.61	268.51	-4,370.01	5,860.13	5,630.86	229.28	25.559	
6,200.00	5,653.58	5,676.58	5,676.58	42.42	196.45	135.90	268.51	-4,370.01	5,894.46	5,661.49	232.97	25.301	
6,300.00	5,742.66	5,765.66	5,765.66	43.19	199.56	136.19	268.51	-4,370.01	5,928.94	5,692.27	236.67	25.052	
6,400.00	5,831.74	5,854.74	5,854.74	43.95	202.67	136.48	268.51	-4,370.01	5,963.56	5,723.21	240.36	24.811	
6,500.00	5,920.82	5,943.82	5,943.82	44.72	205.78	136.76	268.51	-4,370.01	5,998.33	5,754.28	244.05	24.578	
6,600.00	6,009.89	6,032.89	6,032.89	45.48	208.89	137.04	268.51	-4,370.01	6,033.24	5,785.50	247.74	24.353	
6,700.00	6,098.97	6,121.97	6,121.97	46.25	212.00	137.32	268.51	-4,370.01	6,068.29	5,816.87	251.43	24.135	
6,800.00	6,188.05	6,211.05	6,211.05	47.01	215.11	137.60	268.51	-4,370.01	6,103.48	5,848.37	255.11	23.925	
6,900.00	6,277.12	6,300.12	6,300.12	47.78	218.22	137.87	268.51	-4,370.01	6,138.80	5,880.00	258.80	23.720	
7,000.00	6,366.20	6,389.20	6,389.20	48.55	221.33	138.14	268.51	-4,370.01	6,174.26	5,911.77	262.48	23.522	
7,100.00	6,455.28	6,478.28	6,478.28	49.31	224.44	138.41	268.51	-4,370.01	6,209.84	5,943.67	266.17	23.331	
7,197.64	6,542.25	6,565.25	6,565.25	50.06	227.47	138.66	268.51	-4,370.01	6,244.71	5,974.95	269.76	23.149	
7,200.00	6,544.35	6,567.35	6,567.35	50.08	227.54	138.25	268.51	-4,370.01	6,245.55	5,975.70	269.85	23.145	
7,250.00	6,589.22	6,612.22	6,612.22	50.44	229.11	129.04	268.51	-4,370.01	6,261.63	5,989.94	271.69	23.047	
7,300.00	6,634.48	6,657.48	6,657.48	50.77	230.69	119.22	268.51	-4,370.01	6,274.36	6,000.82	273.54	22.938	
7,350.00	6,679.86	6,702.86	6,702.86	51.06	232.28	109.30	268.51	-4,370.01	6,283.67	6,008.29	275.37	22.819	
7,400.00	6,725.09	6,748.09	6,748.09	51.31	233.85	99.87	268.51	-4,370.01	6,289.52	6,012.34	277.17	22.692	
7,450.00	6,769.87	6,807.13	6,792.87	51.52	235.91	91.41	268.51	-4,370.01	6,291.89	6,012.46	279.42	22.517	
7,500.00	6,813.94	6,836.94	6,836.94	51.69	236.96	84.17	268.51	-4,370.01	6,290.78	6,010.16	280.62	22.418	
7,550.00	6,857.03	6,880.03	6,880.03	51.84	238.46	78.22	268.51	-4,370.01	6,286.22	6,003.98	282.24	22.273	
7,600.00	6,898.86	6,921.86	6,921.86	51.95	239.92	73.46	268.51	-4,370.01	6,278.25	5,994.47	283.77	22.124	
7,650.00	6,939.19	6,962.19	6,962.19	52.05	241.33	69.78	268.51	-4,370.01	6,266.93	5,981.71	285.22	21.972	
7,700.00	6,977.75	7,000.75	7,000.75	52.13	242.67	67.02	268.51	-4,370.01	6,252.34	5,965.77	286.57	21.818	
7,750.00	7,014.32	7,037.32	7,037.32	52.20	243.95	65.07	268.51	-4,370.01	6,234.59	5,946.77	287.83	21.661	
7,800.00	7,048.67	7,071.67	7,071.67	52.26	245.15	63.84	268.51	-4,370.01	6,213.80	5,924.82	288.98	21.502	
7,850.00	7,080.59	7,103.59	7,103.59	52.33	246.26	63.27	268.51	-4,370.01	6,190.11	5,900.08	290.03	21.343	
7,900.00	7,109.87	7,132.87	7,132.87	52.39	247.29	63.30	268.51	-4,370.01	6,163.66	5,872.68	290.98	21.182	
7,950.00	7,136.35	7,159.35	7,159.35	52.47	248.21	63.94	268.51	-4,370.01	6,134.63	5,842.81	291.82	21.022	
8,000.00	7,159.85	7,182.85	7,182.85	52.55	249.03	65.17	268.51	-4,370.01	6,103.20	5,810.63	292.57	20.861	
8,050.00	7,180.23	7,203.23	7,203.23	52.64	249.74	67.03	268.51	-4,370.01	6,069.55	5,776.35	293.21	20.701	
8,100.00	7,197.37	7,220.37	7,220.37	52.75	250.34	69.54	268.51	-4,370.01	6,033.90	5,740.16	293.74	20.541	
8,150.00	7,211.16	7,234.16	7,234.16	52.88	250.82	72.77	268.51	-4,370.01	5,996.46	5,702.28	294.18	20.384	
8,200.00	7,221.51	7,244.51	7,244.51	53.03	251.18	76.78	268.51	-4,370.01	5,957.45	5,662.93	294.52	20.228	
8,250.00	7,228.37	7,251.37	7,251.37	53.20	251.42	81.61	268.51	-4,370.01	5,917.09	5,622.34	294.76	20.075	
8,300.00	7,231.68	7,254.68	7,254.68	53.40	251.54	87.29	268.51	-4,370.01	5,875.64	5,580.75	294.90	19.925	
8,317.45	7,232.00	7,255.00	7,255.00	53.47	251.55	89.48	268.51	-4,370.01	5,860.95	5,566.03	294.92	19.873	
8,400.00	7,232.48	7,255.48	7,255.48	53.86	251.57	89.48	268.51	-4,370.01	5,791.44	5,496.40	295.03	19.630	
8,500.00	7,233.06	7,256.06	7,256.06	54.44	251.59	89.49	268.51	-4,370.01	5,707.68	5,412.44	295.24	19.332	
8,600.00	7,233.64	7,256.64	7,256.64	55.14	251.61	89.51	268.51	-4,370.01	5,624.46	5,328.94	295.52	19.032	
8,700.00	7,234.22	7,257.22	7,257.22	55.99	251.63	89.52	268.51	-4,370.01	5,541.79	5,245.90	295.89	18.729	
8,800.00	7,234.80	7,257.80	7,257.80	57.00	251.65	89.53	268.51	-4,370.01	5,459.70	5,163.35	296.36	18.423	
8,900.00	7,235.39	7,258.39	7,258.39	58.18	251.67	89.54	268.51	-4,370.01	5,378.22	5,081.31	296.91	18.114	

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

Offset Design Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,258.97	7,258.97	59.53	251.69	89.55	268.51	-4,370.01	5,297.37	4,999.80	297.57	17.802	
9,100.00	7,236.55	7,259.55	7,259.55	61.04	251.71	89.56	268.51	-4,370.01	5,217.19	4,918.85	298.34	17.487	
9,200.00	7,237.13	7,260.13	7,260.13	62.69	251.73	89.57	268.51	-4,370.01	5,137.70	4,838.49	299.21	17.171	
9,300.00	7,237.71	7,260.71	7,260.71	64.47	251.75	89.58	268.51	-4,370.01	5,058.94	4,758.74	300.20	16.852	
9,400.00	7,238.29	7,261.29	7,261.29	66.36	251.77	89.59	268.51	-4,370.01	4,980.94	4,679.63	301.31	16.531	
9,500.00	7,238.87	7,261.87	7,261.87	68.34	251.79	89.60	268.51	-4,370.01	4,903.74	4,601.21	302.53	16.209	
9,600.00	7,239.45	7,262.45	7,262.45	70.41	251.81	89.61	268.51	-4,370.01	4,827.38	4,523.50	303.87	15.886	
9,700.00	7,240.03	7,263.03	7,263.03	72.55	251.83	89.62	268.51	-4,370.01	4,751.89	4,446.55	305.34	15.563	
9,800.00	7,240.61	7,263.61	7,263.61	74.76	251.85	89.63	268.51	-4,370.01	4,677.32	4,370.39	306.94	15.239	
9,900.00	7,241.20	7,264.20	7,264.20	77.02	251.87	89.64	268.51	-4,370.01	4,603.72	4,295.07	308.65	14.915	
10,000.00	7,241.78	7,264.78	7,264.78	79.33	251.89	89.65	268.51	-4,370.01	4,531.13	4,220.63	310.50	14.593	
10,100.00	7,242.36	7,265.36	7,265.36	81.68	251.91	89.66	268.51	-4,370.01	4,459.60	4,147.13	312.47	14.272	
10,200.00	7,242.94	7,265.94	7,265.94	84.07	251.93	89.68	268.51	-4,370.01	4,389.18	4,074.61	314.57	13.953	
10,300.00	7,243.52	7,266.52	7,266.52	86.49	251.95	89.69	268.51	-4,370.01	4,319.93	4,003.14	316.80	13.636	
10,400.00	7,244.10	7,267.10	7,267.10	88.95	251.97	89.70	268.51	-4,370.01	4,251.91	3,932.76	319.15	13.323	
10,500.00	7,244.68	7,267.68	7,267.68	91.43	251.99	89.71	268.51	-4,370.01	4,185.17	3,863.54	321.62	13.013	
10,600.00	7,245.26	7,268.26	7,268.26	93.93	252.01	89.72	268.51	-4,370.01	4,119.77	3,795.55	324.22	12.707	
10,700.00	7,245.84	7,268.84	7,268.84	96.46	252.03	89.73	268.51	-4,370.01	4,055.78	3,728.85	326.94	12.405	
10,800.00	7,246.42	7,269.42	7,269.42	99.01	252.05	89.74	268.51	-4,370.01	3,993.28	3,663.50	329.78	12.109	
10,900.00	7,247.01	7,270.01	7,270.01	101.58	252.07	89.75	268.51	-4,370.01	3,932.32	3,599.60	332.73	11.818	
11,000.00	7,247.59	7,270.59	7,270.59	104.16	252.09	89.76	268.51	-4,370.01	3,872.99	3,537.20	335.79	11.534	
11,100.00	7,248.17	7,271.17	7,271.17	106.76	252.11	89.77	268.51	-4,370.01	3,815.36	3,476.39	338.97	11.256	
11,200.00	7,248.75	7,271.75	7,271.75	109.37	252.13	89.78	268.51	-4,370.01	3,759.50	3,417.25	342.25	10.985	
11,300.00	7,249.33	7,272.33	7,272.33	112.00	252.15	89.79	268.51	-4,370.01	3,705.50	3,359.88	345.62	10.721	
11,400.00	7,249.91	7,272.91	7,272.91	114.64	252.17	89.80	268.51	-4,370.01	3,653.44	3,304.35	349.09	10.466	
11,500.00	7,250.49	7,273.49	7,273.49	117.29	252.19	89.81	268.51	-4,370.01	3,603.40	3,250.75	352.65	10.218	
11,600.00	7,251.07	7,274.07	7,274.07	119.95	252.21	89.82	268.51	-4,370.01	3,555.47	3,199.19	356.28	9.979	
11,700.00	7,251.65	7,274.65	7,274.65	122.62	252.23	89.83	268.51	-4,370.01	3,509.74	3,149.75	359.99	9.750	
11,800.00	7,252.23	7,275.23	7,275.23	125.30	252.25	89.84	268.51	-4,370.01	3,466.29	3,102.54	363.75	9.529	
11,900.00	7,252.82	7,275.82	7,275.82	127.98	252.28	89.86	268.51	-4,370.01	3,425.21	3,057.64	367.56	9.319	
12,000.00	7,253.40	7,276.40	7,276.40	130.68	252.30	89.87	268.51	-4,370.01	3,386.58	3,015.16	371.41	9.118	
12,100.00	7,253.98	7,276.98	7,276.98	133.38	252.32	89.88	268.51	-4,370.01	3,350.49	2,975.20	375.29	8.928	
12,200.00	7,254.56	7,277.56	7,277.56	136.09	252.34	89.89	268.51	-4,370.01	3,317.03	2,937.84	379.18	8.748	
12,300.00	7,255.14	7,278.14	7,278.14	138.81	252.36	89.90	268.51	-4,370.01	3,286.27	2,903.19	383.08	8.579	
12,400.00	7,255.72	7,278.72	7,278.72	141.53	252.38	89.91	268.51	-4,370.01	3,258.29	2,871.34	386.95	8.420	
12,500.00	7,256.30	7,279.30	7,279.30	144.26	252.40	89.92	268.51	-4,370.01	3,233.16	2,842.36	390.80	8.273	
12,600.00	7,256.88	7,279.88	7,279.88	146.99	252.42	89.93	268.51	-4,370.01	3,210.95	2,816.35	394.60	8.137	
12,700.00	7,257.46	7,280.46	7,280.46	149.73	252.44	89.94	268.51	-4,370.01	3,191.72	2,793.38	398.34	8.013	
12,800.00	7,258.04	7,281.04	7,281.04	152.47	252.46	89.95	268.51	-4,370.01	3,175.52	2,773.52	402.00	7.899	
12,900.00	7,258.63	7,281.63	7,281.63	155.22	252.48	89.96	268.51	-4,370.01	3,162.41	2,756.84	405.57	7.797	
13,000.00	7,259.21	7,282.21	7,282.21	157.97	252.50	89.97	268.51	-4,370.01	3,152.41	2,743.37	409.04	7.707	
13,100.00	7,259.79	7,282.79	7,282.79	160.72	252.52	89.98	268.51	-4,370.01	3,145.56	2,733.18	412.38	7.628	
13,200.00	7,260.37	7,283.37	7,283.37	163.48	252.54	89.99	268.51	-4,370.01	3,141.89	2,726.29	415.60	7.560	
13,265.63	7,260.75	7,283.75	7,283.75	165.29	252.55	90.00	268.51	-4,370.01	3,141.20	2,723.57	417.63	7.522	CC
13,300.00	7,260.95	7,283.95	7,283.95	166.24	252.56	90.00	268.51	-4,370.01	3,141.39	2,722.72	418.67	7.503	
13,400.00	7,261.53	7,284.53	7,284.53	169.01	252.58	90.01	268.51	-4,370.01	3,144.07	2,722.49	421.58	7.458	ES
13,480.77	7,262.00	7,285.00	7,285.00	171.24	252.60	90.02	268.51	-4,370.01	3,148.56	2,724.74	423.82	7.429	SF

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

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

Offset Design Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	32.00	32.00	3.28	3.33	-91.66	-259.57	-8,976.32	8,980.07				
100.00	100.00	132.00	132.00	3.28	4.35	-91.66	-259.57	-8,976.32	8,980.07	8,972.43	7.64	1,175.679	
200.00	200.00	232.00	232.00	3.34	7.15	-91.66	-259.57	-8,976.32	8,980.07	8,969.58	10.49	856.277	
300.00	300.00	332.00	332.00	3.44	10.38	-91.66	-259.57	-8,976.32	8,980.07	8,966.25	13.82	649.714	
400.00	399.98	431.98	431.98	3.60	13.73	113.22	-259.57	-8,976.32	8,980.76	8,963.43	17.33	518.280	
500.00	499.84	531.84	531.84	3.79	17.14	113.21	-259.57	-8,976.32	8,982.83	8,961.90	20.92	429.328	
600.00	599.45	631.45	631.45	4.02	20.56	113.20	-259.57	-8,976.32	8,986.27	8,961.69	24.58	365.609	
700.00	698.70	730.70	730.70	4.29	23.99	113.18	-259.57	-8,976.32	8,991.10	8,962.83	28.28	317.977	
800.00	797.47	829.47	829.47	4.59	27.41	113.16	-259.57	-8,976.32	8,997.32	8,965.32	32.00	281.156	
900.00	895.62	927.62	927.62	4.93	30.81	113.13	-259.57	-8,976.32	9,004.94	8,969.20	35.74	251.922	
1,000.00	993.06	1,025.06	1,025.06	5.31	34.20	113.09	-259.57	-8,976.32	9,013.97	8,974.47	39.50	228.202	
1,100.00	1,089.64	1,121.64	1,121.64	5.72	37.55	113.04	-259.57	-8,976.32	9,024.41	8,981.15	43.26	208.607	
1,200.00	1,185.27	1,217.27	1,217.27	6.16	40.88	112.99	-259.57	-8,976.32	9,036.28	8,989.26	47.02	192.175	
1,300.00	1,279.82	1,311.82	1,311.82	6.64	44.17	112.92	-259.57	-8,976.32	9,049.59	8,998.81	50.78	178.218	
1,400.00	1,373.17	1,405.17	1,405.17	7.15	47.42	112.84	-259.57	-8,976.32	9,064.35	9,009.83	54.53	166.233	
1,500.00	1,465.21	1,502.79	1,497.21	7.70	50.82	112.75	-259.57	-8,976.32	9,080.59	9,022.13	58.46	155.326	
1,600.00	1,555.84	1,587.84	1,587.84	8.30	53.79	112.65	-259.57	-8,976.32	9,098.30	9,036.31	61.99	146.763	
1,651.50	1,601.92	1,633.92	1,633.92	8.62	55.39	112.59	-259.57	-8,976.32	9,108.00	9,044.10	63.90	142.525	
1,700.00	1,645.13	1,677.13	1,677.13	8.93	56.90	112.70	-259.57	-8,976.32	9,117.35	9,051.65	65.70	138.765	
1,800.00	1,734.20	1,766.20	1,766.20	9.58	60.00	112.94	-259.57	-8,976.32	9,136.77	9,067.34	69.43	131.601	
1,900.00	1,823.28	1,855.28	1,855.28	10.25	63.11	113.18	-259.57	-8,976.32	9,156.36	9,083.20	73.17	125.144	
2,000.00	1,912.36	1,944.36	1,944.36	10.94	66.21	113.42	-259.57	-8,976.32	9,176.14	9,099.23	76.92	119.300	
2,100.00	2,001.43	2,033.43	2,033.43	11.63	69.32	113.65	-259.57	-8,976.32	9,196.10	9,115.43	80.68	113.988	
2,200.00	2,090.51	2,122.51	2,122.51	12.34	72.43	113.89	-259.57	-8,976.32	9,216.25	9,131.80	84.44	109.141	
2,300.00	2,179.59	2,211.59	2,211.59	13.05	75.53	114.12	-259.57	-8,976.32	9,236.57	9,148.35	88.22	104.703	
2,400.00	2,268.66	2,300.66	2,300.66	13.76	78.64	114.36	-259.57	-8,976.32	9,257.07	9,165.08	91.99	100.626	
2,500.00	2,357.74	2,389.74	2,389.74	14.49	81.75	114.59	-259.57	-8,976.32	9,277.75	9,181.97	95.78	96.868	
2,600.00	2,446.82	2,478.82	2,478.82	15.21	84.85	114.82	-259.57	-8,976.32	9,298.61	9,199.04	99.56	93.395	
2,700.00	2,535.89	2,567.89	2,567.89	15.95	87.96	115.05	-259.57	-8,976.32	9,319.64	9,216.28	103.35	90.175	
2,800.00	2,624.97	2,656.97	2,656.97	16.68	91.07	115.28	-259.57	-8,976.32	9,340.84	9,233.70	107.14	87.183	
2,900.00	2,714.05	2,746.05	2,746.05	17.42	94.18	115.51	-259.57	-8,976.32	9,362.21	9,251.28	110.93	84.396	
3,000.00	2,803.12	2,835.12	2,835.12	18.16	97.28	115.74	-259.57	-8,976.32	9,383.76	9,269.04	114.73	81.793	
3,100.00	2,892.20	2,924.20	2,924.20	18.90	100.39	115.97	-259.57	-8,976.32	9,405.48	9,286.96	118.52	79.358	
3,200.00	2,981.28	3,013.28	3,013.28	19.65	103.50	116.20	-259.57	-8,976.32	9,427.37	9,305.05	122.31	77.075	
3,300.00	3,070.36	3,102.36	3,102.36	20.40	106.61	116.42	-259.57	-8,976.32	9,449.42	9,323.31	126.11	74.931	
3,400.00	3,159.43	3,208.57	3,191.43	21.14	110.31	116.65	-259.57	-8,976.32	9,471.64	9,341.14	130.50	72.579	
3,500.00	3,248.51	3,280.51	3,280.51	21.89	112.82	116.87	-259.57	-8,976.32	9,494.03	9,360.33	133.70	71.010	
3,600.00	3,337.59	3,369.59	3,369.59	22.65	115.93	117.09	-259.57	-8,976.32	9,516.58	9,379.09	137.49	69.214	
3,700.00	3,426.66	3,458.66	3,458.66	23.40	119.04	117.32	-259.57	-8,976.32	9,539.29	9,398.00	141.29	67.516	
3,800.00	3,515.74	3,547.74	3,547.74	24.15	122.15	117.54	-259.57	-8,976.32	9,562.17	9,417.09	145.08	65.908	
3,900.00	3,604.82	3,636.82	3,636.82	24.91	125.26	117.76	-259.57	-8,976.32	9,585.21	9,436.33	148.88	64.383	
4,000.00	3,693.89	3,725.89	3,725.89	25.66	128.37	117.98	-259.57	-8,976.32	9,608.40	9,455.73	152.67	62.935	
4,100.00	3,782.97	3,814.97	3,814.97	26.42	131.48	118.20	-259.57	-8,976.32	9,631.76	9,475.30	156.46	61.559	
4,200.00	3,872.05	3,904.05	3,904.05	27.18	134.59	118.41	-259.57	-8,976.32	9,655.27	9,495.02	160.26	60.249	
4,300.00	3,961.12	4,006.88	3,993.12	27.94	138.17	118.63	-259.57	-8,976.32	9,678.94	9,514.41	164.53	58.829	
4,400.00	4,050.20	4,082.20	4,082.20	28.69	140.80	118.85	-259.57	-8,976.32	9,702.77	9,534.93	167.84	57.810	
4,500.00	4,139.28	4,171.28	4,171.28	29.45	143.91	119.06	-259.57	-8,976.32	9,726.74	9,555.12	171.63	56.674	
4,600.00	4,228.35	4,260.35	4,260.35	30.21	147.02	119.28	-259.57	-8,976.32	9,750.88	9,575.46	175.42	55.587	
4,700.00	4,317.43	4,349.43	4,349.43	30.97	150.13	119.49	-259.57	-8,976.32	9,775.16	9,595.95	179.20	54.548	
4,800.00	4,406.51	4,438.51	4,438.51	31.73	153.24	119.70	-259.57	-8,976.32	9,799.59	9,616.60	182.99	53.552	
4,900.00	4,495.59	4,527.59	4,527.59	32.50	156.35	119.91	-259.57	-8,976.32	9,824.18	9,637.40	186.78	52.599	
5,000.00	4,584.66	4,616.66	4,616.66	33.26	159.46	120.12	-259.57	-8,976.32	9,848.91	9,658.35	190.56	51.684	

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

Offset Design Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,705.74	4,705.74	34.02	162.57	120.33	-259.57	-8,976.32	9,873.78	9,679.44	194.34	50.806	
5,200.00	4,762.82	4,805.18	4,794.82	34.78	166.04	120.54	-259.57	-8,976.32	9,898.81	9,700.32	198.49	49.871	
5,300.00	4,851.89	4,883.89	4,883.89	35.54	168.78	120.75	-259.57	-8,976.32	9,923.98	9,722.07	201.91	49.151	
5,400.00	4,940.97	4,972.97	4,972.97	36.31	171.89	120.96	-259.57	-8,976.32	9,949.29	9,743.60	205.69	48.371	
5,500.00	5,030.05	5,062.05	5,062.05	37.07	175.00	121.16	-259.57	-8,976.32	9,974.75	9,765.28	209.47	47.620	
8,250.00	7,228.37	7,260.37	7,260.37	53.20	251.74	72.28	-259.57	-8,976.32	9,965.36	9,666.73	298.63	33.371	
8,300.00	7,231.68	7,263.68	7,263.68	53.40	251.85	83.83	-259.57	-8,976.32	9,917.60	9,618.89	298.71	33.201	
8,317.45	7,232.00	7,264.00	7,264.00	53.47	251.86	88.78	-259.57	-8,976.32	9,900.79	9,602.07	298.71	33.145	
8,400.00	7,232.48	7,264.48	7,264.48	53.86	251.88	88.79	-259.57	-8,976.32	9,821.17	9,522.47	298.70	32.880	
8,500.00	7,233.06	7,265.06	7,265.06	54.44	251.90	88.80	-259.57	-8,976.32	9,724.77	9,426.08	298.69	32.558	
8,600.00	7,233.64	7,265.64	7,265.64	55.14	251.92	88.81	-259.57	-8,976.32	9,628.46	9,329.75	298.70	32.234	
8,700.00	7,234.22	7,266.22	7,266.22	55.99	251.94	88.83	-259.57	-8,976.32	9,532.21	9,233.49	298.73	31.909	
8,800.00	7,234.80	7,266.80	7,266.80	57.00	251.96	88.84	-259.57	-8,976.32	9,436.05	9,137.28	298.77	31.583	
8,900.00	7,235.39	7,267.39	7,267.39	58.18	251.98	88.85	-259.57	-8,976.32	9,339.97	9,041.14	298.83	31.255	
9,000.00	7,235.97	7,267.97	7,267.97	59.53	252.00	88.86	-259.57	-8,976.32	9,243.97	8,945.06	298.91	30.925	
9,100.00	7,236.55	7,268.55	7,268.55	61.04	252.02	88.88	-259.57	-8,976.32	9,148.05	8,849.04	299.01	30.594	
9,200.00	7,237.13	7,269.13	7,269.13	62.69	252.04	88.89	-259.57	-8,976.32	9,052.23	8,753.10	299.13	30.262	
9,300.00	7,237.71	7,269.71	7,269.71	64.47	252.06	88.90	-259.57	-8,976.32	8,956.49	8,657.22	299.27	29.927	
9,400.00	7,238.29	7,270.29	7,270.29	66.36	252.08	88.92	-259.57	-8,976.32	8,860.85	8,561.41	299.44	29.591	
9,500.00	7,238.87	7,270.87	7,270.87	68.34	252.10	88.93	-259.57	-8,976.32	8,765.31	8,465.68	299.63	29.254	
9,600.00	7,239.45	7,271.45	7,271.45	70.41	252.12	88.94	-259.57	-8,976.32	8,669.86	8,370.02	299.85	28.914	
9,700.00	7,240.03	7,272.03	7,272.03	72.55	252.14	88.95	-259.57	-8,976.32	8,574.52	8,274.43	300.09	28.573	
9,800.00	7,240.61	7,272.61	7,272.61	74.76	252.16	88.97	-259.57	-8,976.32	8,479.29	8,178.93	300.36	28.230	
9,900.00	7,241.20	7,273.20	7,273.20	77.02	252.18	88.98	-259.57	-8,976.32	8,384.17	8,083.51	300.66	27.886	
10,000.00	7,241.78	7,273.78	7,273.78	79.33	252.20	88.99	-259.57	-8,976.32	8,289.16	7,988.17	301.00	27.539	
10,100.00	7,242.36	7,274.36	7,274.36	81.68	252.22	89.01	-259.57	-8,976.32	8,194.28	7,892.92	301.36	27.191	
10,200.00	7,242.94	7,274.94	7,274.94	84.07	252.24	89.02	-259.57	-8,976.32	8,099.51	7,797.75	301.76	26.841	
10,300.00	7,243.52	7,275.52	7,275.52	86.49	252.26	89.03	-259.57	-8,976.32	8,004.88	7,702.68	302.19	26.489	
10,400.00	7,244.10	7,276.10	7,276.10	88.95	252.28	89.04	-259.57	-8,976.32	7,910.37	7,607.71	302.66	26.136	
10,500.00	7,244.68	7,276.68	7,276.68	91.43	252.31	89.06	-259.57	-8,976.32	7,816.00	7,512.83	303.17	25.781	
10,600.00	7,245.26	7,277.26	7,277.26	93.93	252.33	89.07	-259.57	-8,976.32	7,721.77	7,418.05	303.72	25.424	
10,700.00	7,245.84	7,277.84	7,277.84	96.46	252.35	89.08	-259.57	-8,976.32	7,627.69	7,323.38	304.31	25.065	
10,800.00	7,246.42	7,278.42	7,278.42	99.01	252.37	89.10	-259.57	-8,976.32	7,533.77	7,228.82	304.94	24.705	
10,900.00	7,247.01	7,279.01	7,279.01	101.58	252.39	89.11	-259.57	-8,976.32	7,440.00	7,134.38	305.62	24.344	
11,000.00	7,247.59	7,279.59	7,279.59	104.16	252.41	89.12	-259.57	-8,976.32	7,346.39	7,040.05	306.34	23.981	
11,100.00	7,248.17	7,280.17	7,280.17	106.76	252.43	89.13	-259.57	-8,976.32	7,252.96	6,945.84	307.11	23.616	
11,200.00	7,248.75	7,280.75	7,280.75	109.37	252.45	89.15	-259.57	-8,976.32	7,159.70	6,851.77	307.93	23.251	
11,300.00	7,249.33	7,281.33	7,281.33	112.00	252.47	89.16	-259.57	-8,976.32	7,066.63	6,757.83	308.80	22.884	
11,400.00	7,249.91	7,281.91	7,281.91	114.64	252.49	89.17	-259.57	-8,976.32	6,973.75	6,664.02	309.73	22.516	
11,500.00	7,250.49	7,282.49	7,282.49	117.29	252.51	89.18	-259.57	-8,976.32	6,881.07	6,570.36	310.70	22.147	
11,600.00	7,251.07	7,283.07	7,283.07	119.95	252.53	89.20	-259.57	-8,976.32	6,788.59	6,476.86	311.74	21.777	
11,700.00	7,251.65	7,283.65	7,283.65	122.62	252.55	89.21	-259.57	-8,976.32	6,696.34	6,383.51	312.83	21.406	
11,800.00	7,252.23	7,284.23	7,284.23	125.30	252.57	89.22	-259.57	-8,976.32	6,604.31	6,290.33	313.98	21.034	
11,900.00	7,252.82	7,284.82	7,284.82	127.98	252.59	89.24	-259.57	-8,976.32	6,512.51	6,197.32	315.19	20.662	
12,000.00	7,253.40	7,285.40	7,285.40	130.68	252.61	89.25	-259.57	-8,976.32	6,420.96	6,104.49	316.46	20.290	
12,100.00	7,253.98	7,285.98	7,285.98	133.38	252.63	89.26	-259.57	-8,976.32	6,329.66	6,011.86	317.80	19.917	
12,200.00	7,254.56	7,286.56	7,286.56	136.09	252.65	89.27	-259.57	-8,976.32	6,238.63	5,919.42	319.21	19.544	
12,300.00	7,255.14	7,287.14	7,287.14	138.81	252.67	89.29	-259.57	-8,976.32	6,147.88	5,827.20	320.68	19.171	
12,400.00	7,255.72	7,287.72	7,287.72	141.53	252.69	89.30	-259.57	-8,976.32	6,057.42	5,735.19	322.23	18.798	
12,500.00	7,256.30	7,288.30	7,288.30	144.26	252.71	89.31	-259.57	-8,976.32	5,967.26	5,643.41	323.85	18.426	
12,600.00	7,256.88	7,288.88	7,288.88	146.99	252.73	89.33	-259.57	-8,976.32	5,877.43	5,551.88	325.55	18.054	
12,700.00	7,257.46	7,289.46	7,289.46	149.73	252.75	89.34	-259.57	-8,976.32	5,787.92	5,460.61	327.32	17.683	

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

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

Offset Design Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
12,800.00	7,258.04	7,309.96	7,290.04	152.47	253.47	89.35	-259.57	-8,976.32	5,698.77	5,368.90	329.87	17.276	
12,900.00	7,258.63	7,309.37	7,290.63	155.22	253.45	89.36	-259.57	-8,976.32	5,609.98	5,278.22	331.76	16.910	
13,000.00	7,259.21	7,308.79	7,291.21	157.97	253.43	89.38	-259.57	-8,976.32	5,521.58	5,187.83	333.74	16.544	
13,100.00	7,259.79	7,308.21	7,291.79	160.72	253.41	89.39	-259.57	-8,976.32	5,433.57	5,097.76	335.81	16.180	
13,200.00	7,260.37	7,307.63	7,292.37	163.48	253.39	89.40	-259.57	-8,976.32	5,345.99	5,008.02	337.97	15.818	
13,300.00	7,260.95	7,307.05	7,292.95	166.24	253.37	89.42	-259.57	-8,976.32	5,258.85	4,918.63	340.23	15.457	
13,400.00	7,261.53	7,306.47	7,293.53	169.01	253.35	89.43	-259.57	-8,976.32	5,172.18	4,829.60	342.57	15.098	
13,480.77	7,262.00	7,306.00	7,294.00	171.24	253.33	89.44	-259.57	-8,976.32	5,102.53	4,757.98	344.54	14.810	CC, ES, SF

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

Offset Design Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	13.00	13.00	3.28	3.29	-96.15	-1,045.48	-9,700.53	9,756.70				
100.00	100.00	113.00	113.00	3.28	3.95	-96.15	-1,045.48	-9,700.53	9,756.70	9,749.47	7.23	1,348.766	
200.00	200.00	213.00	213.00	3.34	6.57	-96.15	-1,045.48	-9,700.53	9,756.70	9,746.80	9.91	985.027	
300.00	300.00	313.00	313.00	3.44	9.75	-96.15	-1,045.48	-9,700.53	9,756.70	9,743.51	13.19	739.450	
400.00	399.98	412.98	412.98	3.60	13.09	108.73	-1,045.48	-9,700.53	9,757.26	9,740.58	16.68	584.798	
500.00	499.84	512.84	512.84	3.79	16.49	108.72	-1,045.48	-9,700.53	9,758.95	9,738.68	20.27	481.393	
600.00	599.45	612.45	612.45	4.02	19.91	108.72	-1,045.48	-9,700.53	9,761.75	9,737.83	23.92	408.030	
700.00	698.70	711.70	711.70	4.29	23.33	108.71	-1,045.48	-9,700.53	9,765.69	9,738.07	27.62	353.587	
800.00	797.47	810.47	810.47	4.59	26.75	108.70	-1,045.48	-9,700.53	9,770.77	9,739.42	31.34	311.738	
900.00	895.62	908.62	908.62	4.93	30.15	108.69	-1,045.48	-9,700.53	9,776.99	9,741.90	35.09	278.655	
1,000.00	993.06	1,006.06	1,006.06	5.31	33.54	108.67	-1,045.48	-9,700.53	9,784.36	9,745.52	38.84	251.902	
1,100.00	1,089.64	1,102.64	1,102.64	5.72	36.89	108.65	-1,045.48	-9,700.53	9,792.90	9,750.30	42.60	229.860	
1,200.00	1,185.27	1,201.73	1,198.27	6.16	40.34	108.62	-1,045.48	-9,700.53	9,802.62	9,756.14	46.49	210.866	
1,300.00	1,279.82	1,307.18	1,292.82	6.64	44.01	108.58	-1,045.48	-9,700.53	9,813.54	9,762.91	50.63	193.836	
1,400.00	1,373.17	1,386.17	1,386.17	7.15	46.76	108.54	-1,045.48	-9,700.53	9,825.67	9,771.79	53.88	182.353	
1,500.00	1,465.21	1,478.21	1,478.21	7.70	49.97	108.48	-1,045.48	-9,700.53	9,839.03	9,781.40	57.63	170.732	
1,600.00	1,555.84	1,568.84	1,568.84	8.30	53.12	108.41	-1,045.48	-9,700.53	9,853.62	9,792.26	61.36	160.581	
1,651.50	1,601.92	1,614.92	1,614.92	8.62	54.73	108.38	-1,045.48	-9,700.53	9,861.63	9,798.36	63.28	155.845	
1,700.00	1,645.13	1,658.13	1,658.13	8.93	56.24	108.48	-1,045.48	-9,700.53	9,869.36	9,804.27	65.08	151.643	
1,800.00	1,734.20	1,747.20	1,747.20	9.58	59.34	108.71	-1,045.48	-9,700.53	9,885.42	9,816.60	68.82	143.645	
1,900.00	1,823.28	1,836.28	1,836.28	10.25	62.45	108.94	-1,045.48	-9,700.53	9,901.66	9,829.09	72.57	136.444	
2,000.00	1,912.36	1,925.36	1,925.36	10.94	65.55	109.16	-1,045.48	-9,700.53	9,918.08	9,841.75	76.33	129.934	
2,100.00	2,001.43	2,014.43	2,014.43	11.63	68.66	109.38	-1,045.48	-9,700.53	9,934.69	9,854.58	80.10	124.022	
2,200.00	2,090.51	2,103.51	2,103.51	12.34	71.76	109.61	-1,045.48	-9,700.53	9,951.47	9,867.59	83.88	118.633	
2,300.00	2,179.59	2,207.41	2,192.59	13.05	75.39	109.83	-1,045.48	-9,700.53	9,968.43	9,880.25	88.19	113.035	
2,400.00	2,268.66	2,281.66	2,281.66	13.76	77.98	110.05	-1,045.48	-9,700.53	9,985.58	9,894.11	91.46	109.176	
8,800.00	7,234.80	7,247.80	7,247.80	57.00	251.30	88.20	-1,045.48	-9,700.53	9,959.09	9,659.97	299.12	33.295	
8,900.00	7,235.39	7,248.39	7,248.39	58.18	251.32	88.22	-1,045.48	-9,700.53	9,860.78	9,561.65	299.13	32.965	
9,000.00	7,235.97	7,248.97	7,248.97	59.53	251.34	88.24	-1,045.48	-9,700.53	9,762.51	9,463.36	299.15	32.635	
9,100.00	7,236.55	7,249.55	7,249.55	61.04	251.36	88.26	-1,045.48	-9,700.53	9,664.27	9,365.10	299.17	32.304	
9,200.00	7,237.13	7,250.13	7,250.13	62.69	251.38	88.28	-1,045.48	-9,700.53	9,566.06	9,266.86	299.20	31.972	
9,300.00	7,237.71	7,250.71	7,250.71	64.47	251.40	88.29	-1,045.48	-9,700.53	9,467.90	9,168.65	299.25	31.639	
9,400.00	7,238.29	7,251.29	7,251.29	66.36	251.42	88.31	-1,045.48	-9,700.53	9,369.77	9,070.47	299.30	31.306	
9,500.00	7,238.87	7,251.87	7,251.87	68.34	251.44	88.33	-1,045.48	-9,700.53	9,271.68	8,972.32	299.36	30.971	
9,600.00	7,239.45	7,252.45	7,252.45	70.41	251.46	88.35	-1,045.48	-9,700.53	9,173.63	8,874.20	299.44	30.636	
9,700.00	7,240.03	7,253.03	7,253.03	72.55	251.48	88.37	-1,045.48	-9,700.53	9,075.63	8,776.11	299.52	30.300	
9,800.00	7,240.61	7,253.61	7,253.61	74.76	251.50	88.39	-1,045.48	-9,700.53	8,977.67	8,678.05	299.62	29.964	
9,900.00	7,241.20	7,254.20	7,254.20	77.02	251.52	88.40	-1,045.48	-9,700.53	8,879.76	8,580.03	299.73	29.626	
10,000.00	7,241.78	7,254.78	7,254.78	79.33	251.54	88.42	-1,045.48	-9,700.53	8,781.89	8,482.04	299.85	29.287	
10,100.00	7,242.36	7,255.36	7,255.36	81.68	251.56	88.44	-1,045.48	-9,700.53	8,684.07	8,384.08	299.99	28.948	
10,200.00	7,242.94	7,255.94	7,255.94	84.07	251.58	88.46	-1,045.48	-9,700.53	8,586.30	8,286.16	300.14	28.607	
10,300.00	7,243.52	7,256.52	7,256.52	86.49	251.60	88.48	-1,045.48	-9,700.53	8,488.58	8,188.27	300.31	28.266	
10,400.00	7,244.10	7,257.10	7,257.10	88.95	251.62	88.50	-1,045.48	-9,700.53	8,390.92	8,090.42	300.50	27.923	
10,500.00	7,244.68	7,257.68	7,257.68	91.43	251.64	88.51	-1,045.48	-9,700.53	8,293.31	7,992.61	300.70	27.580	
10,600.00	7,245.26	7,258.26	7,258.26	93.93	251.66	88.53	-1,045.48	-9,700.53	8,195.76	7,894.84	300.92	27.236	
10,700.00	7,245.84	7,258.84	7,258.84	96.46	251.68	88.55	-1,045.48	-9,700.53	8,098.28	7,797.11	301.16	26.890	
10,800.00	7,246.42	7,259.42	7,259.42	99.01	251.70	88.57	-1,045.48	-9,700.53	8,000.85	7,699.43	301.42	26.544	
10,900.00	7,247.01	7,260.01	7,260.01	101.58	251.72	88.59	-1,045.48	-9,700.53	7,903.48	7,601.78	301.70	26.196	
11,000.00	7,247.59	7,260.59	7,260.59	104.16	251.74	88.61	-1,045.48	-9,700.53	7,806.19	7,504.18	302.01	25.848	
11,100.00	7,248.17	7,261.17	7,261.17	106.76	251.76	88.62	-1,045.48	-9,700.53	7,708.96	7,406.62	302.34	25.498	
11,200.00	7,248.75	7,261.75	7,261.75	109.37	251.78	88.64	-1,045.48	-9,700.53	7,611.80	7,309.11	302.69	25.147	
11,300.00	7,249.33	7,262.33	7,262.33	112.00	251.80	88.66	-1,045.48	-9,700.53	7,514.72	7,211.65	303.07	24.796	

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

Offset Design Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
11,400.00	7,249.91	7,262.91	7,262.91	114.64	251.82	88.68	-1,045.48	-9,700.53	7,417.72	7,114.25	303.47	24.443	
11,500.00	7,250.49	7,263.49	7,263.49	117.29	251.84	88.70	-1,045.48	-9,700.53	7,320.79	7,016.89	303.90	24.089	
11,600.00	7,251.07	7,264.07	7,264.07	119.95	251.87	88.72	-1,045.48	-9,700.53	7,223.95	6,919.59	304.37	23.734	
11,700.00	7,251.65	7,264.65	7,264.65	122.62	251.89	88.73	-1,045.48	-9,700.53	7,127.20	6,822.34	304.86	23.378	
11,800.00	7,252.23	7,265.23	7,265.23	125.30	251.91	88.75	-1,045.48	-9,700.53	7,030.54	6,725.15	305.39	23.022	
11,900.00	7,252.82	7,265.82	7,265.82	127.98	251.93	88.77	-1,045.48	-9,700.53	6,933.97	6,628.02	305.95	22.664	
12,000.00	7,253.40	7,266.40	7,266.40	130.68	251.95	88.79	-1,045.48	-9,700.53	6,837.50	6,530.95	306.55	22.305	
12,100.00	7,253.98	7,266.98	7,266.98	133.38	251.97	88.81	-1,045.48	-9,700.53	6,741.14	6,433.95	307.18	21.945	
12,200.00	7,254.56	7,267.56	7,267.56	136.09	251.99	88.83	-1,045.48	-9,700.53	6,644.88	6,337.02	307.86	21.584	
12,300.00	7,255.14	7,268.14	7,268.14	138.81	252.01	88.84	-1,045.48	-9,700.53	6,548.73	6,240.16	308.57	21.223	
12,400.00	7,255.72	7,268.72	7,268.72	141.53	252.03	88.86	-1,045.48	-9,700.53	6,452.70	6,143.37	309.33	20.860	
12,500.00	7,256.30	7,269.30	7,269.30	144.26	252.05	88.88	-1,045.48	-9,700.53	6,356.80	6,046.66	310.13	20.497	
12,600.00	7,256.88	7,269.88	7,269.88	146.99	252.07	88.90	-1,045.48	-9,700.53	6,261.02	5,950.03	310.98	20.133	
12,700.00	7,257.46	7,270.46	7,270.46	149.73	252.09	88.92	-1,045.48	-9,700.53	6,165.37	5,853.49	311.88	19.768	
12,800.00	7,258.04	7,271.04	7,271.04	152.47	252.11	88.94	-1,045.48	-9,700.53	6,069.87	5,757.04	312.83	19.403	
12,900.00	7,258.63	7,271.63	7,271.63	155.22	252.13	88.96	-1,045.48	-9,700.53	5,974.51	5,660.67	313.84	19.037	
13,000.00	7,259.21	7,272.21	7,272.21	157.97	252.15	88.97	-1,045.48	-9,700.53	5,879.31	5,564.41	314.90	18.671	
13,100.00	7,259.79	7,272.79	7,272.79	160.72	252.17	88.99	-1,045.48	-9,700.53	5,784.27	5,468.25	316.02	18.304	
13,200.00	7,260.37	7,273.37	7,273.37	163.48	252.19	89.01	-1,045.48	-9,700.53	5,689.40	5,372.20	317.20	17.937	
13,300.00	7,260.95	7,273.95	7,273.95	166.24	252.21	89.03	-1,045.48	-9,700.53	5,594.70	5,276.26	318.44	17.569	
13,400.00	7,261.53	7,274.53	7,274.53	169.01	252.23	89.05	-1,045.48	-9,700.53	5,500.20	5,180.45	319.75	17.201	
13,480.77	7,262.00	7,275.00	7,275.00	171.24	252.25	89.06	-1,045.48	-9,700.53	5,424.01	5,103.15	320.86	16.905	CC, ES, SF

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

Offset Design Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	23.80	23.80	3.28	3.28	-88.41	270.05	-9,700.01	9,703.77				
100.00	100.00	115.24	115.23	3.28	3.29	-88.40	270.22	-9,700.07	9,703.84	9,697.26	6.58	1,475.515	
200.00	200.00	206.27	206.27	3.34	3.35	-88.40	270.61	-9,700.20	9,704.00	9,697.31	6.68	1,451.689	
300.00	300.00	298.31	298.31	3.44	3.45	-88.40	271.00	-9,700.42	9,704.24	9,697.35	6.89	1,407.852	
400.00	399.98	418.36	418.35	3.60	3.64	116.48	271.24	-9,700.62	9,705.19	9,697.96	7.23	1,341.450	
500.00	499.84	522.07	522.07	3.79	3.85	116.46	271.15	-9,700.67	9,707.57	9,699.93	7.64	1,271.062	
600.00	599.45	617.22	617.21	4.02	4.08	116.43	271.03	-9,700.75	9,711.54	9,703.45	8.10	1,199.357	
700.00	698.70	738.48	738.47	4.29	4.41	116.41	271.11	-9,700.72	9,716.98	9,708.29	8.69	1,117.553	
800.00	797.47	851.76	851.76	4.59	4.74	116.39	271.09	-9,700.44	9,723.76	9,714.42	9.34	1,041.485	
900.00	895.62	932.43	932.43	4.93	5.00	116.32	270.87	-9,700.24	9,732.10	9,722.17	9.93	980.145	
1,000.00	993.06	1,000.00	1,000.00	5.31	5.22	116.21	270.66	-9,700.31	9,742.34	9,731.82	10.52	926.040	
1,100.00	1,089.64	1,100.00	1,103.79	5.72	5.56	116.14	270.24	-9,700.45	9,754.20	9,742.94	11.26	866.241	
1,200.00	1,185.27	1,169.22	1,169.22	6.16	5.80	115.99	269.88	-9,700.59	9,767.75	9,755.81	11.93	818.527	
1,300.00	1,279.82	1,269.33	1,269.32	6.64	6.16	115.88	269.25	-9,701.14	9,783.17	9,770.42	12.75	767.050	
1,400.00	1,373.17	1,356.16	1,356.15	7.15	6.48	115.73	268.70	-9,701.45	9,800.02	9,786.45	13.57	722.377	
1,500.00	1,465.21	1,428.04	1,428.03	7.70	6.74	115.54	268.39	-9,701.86	9,818.66	9,804.30	14.36	683.746	
1,600.00	1,555.84	1,503.38	1,503.36	8.30	7.03	115.33	267.99	-9,702.43	9,839.06	9,823.86	15.20	647.142	
1,651.50	1,601.92	1,547.68	1,547.66	8.62	7.19	115.23	267.74	-9,702.80	9,850.24	9,834.57	15.67	628.449	
1,700.00	1,645.13	1,589.18	1,589.16	8.93	7.35	115.33	267.55	-9,703.16	9,860.99	9,844.87	16.12	611.659	
1,800.00	1,734.20	1,683.06	1,683.04	9.58	7.71	115.56	267.23	-9,703.94	9,883.27	9,866.18	17.09	578.170	
1,900.00	1,823.28	1,776.22	1,776.19	10.25	8.08	115.78	267.03	-9,704.66	9,905.66	9,887.58	18.08	547.842	
2,000.00	1,912.36	1,845.45	1,845.42	10.94	8.35	115.95	267.02	-9,705.21	9,928.26	9,909.27	18.99	522.924	
2,100.00	2,001.43	1,907.12	1,907.09	11.63	8.59	116.10	267.08	-9,705.87	9,951.25	9,931.38	19.87	500.819	
2,200.00	2,090.51	1,973.90	1,973.86	12.34	8.86	116.26	267.27	-9,706.74	9,974.62	9,953.84	20.78	479.952	
2,300.00	2,179.59	2,086.76	2,086.71	13.05	9.31	116.54	267.79	-9,708.26	9,998.22	9,976.33	21.89	456.680	
9,200.00	7,237.13	7,205.68	7,205.31	62.69	30.80	87.95	294.63	-9,739.25	9,948.02	9,870.36	77.66	128.097	
9,300.00	7,237.71	7,206.69	7,206.32	64.47	30.81	87.97	294.64	-9,739.25	9,853.23	9,775.40	77.83	126.601	
9,400.00	7,238.29	7,207.70	7,207.33	66.36	30.81	87.99	294.64	-9,739.26	9,758.55	9,680.52	78.03	125.068	
9,500.00	7,238.87	7,208.71	7,208.34	68.34	30.82	88.01	294.65	-9,739.26	9,663.98	9,585.72	78.25	123.499	
9,600.00	7,239.45	7,209.72	7,209.35	70.41	30.82	88.03	294.66	-9,739.27	9,569.51	9,491.01	78.51	121.895	
9,700.00	7,240.03	7,210.73	7,210.36	72.55	30.82	88.05	294.66	-9,739.27	9,475.16	9,396.37	78.79	120.255	
9,800.00	7,240.61	7,211.74	7,211.37	74.76	30.83	88.06	294.67	-9,739.28	9,380.93	9,301.82	79.11	118.581	
9,900.00	7,241.20	7,212.74	7,212.38	77.02	30.83	88.08	294.67	-9,739.28	9,286.81	9,207.35	79.46	116.872	
10,000.00	7,241.78	7,213.75	7,213.39	79.33	30.84	88.10	294.68	-9,739.28	9,192.82	9,112.98	79.85	115.130	
10,100.00	7,242.36	7,214.76	7,214.40	81.68	30.84	88.12	294.68	-9,739.29	9,098.96	9,018.69	80.27	113.356	
10,200.00	7,242.94	7,215.77	7,215.41	84.07	30.85	88.14	294.69	-9,739.29	9,005.23	8,924.51	80.73	111.551	
10,300.00	7,243.52	7,216.78	7,216.42	86.49	30.85	88.16	294.69	-9,739.30	8,911.64	8,830.42	81.22	109.717	
10,400.00	7,244.10	7,217.79	7,217.43	88.95	30.85	88.17	294.70	-9,739.30	8,818.19	8,736.43	81.76	107.855	
10,500.00	7,244.68	7,218.80	7,218.43	91.43	30.86	88.19	294.71	-9,739.31	8,724.88	8,642.55	82.34	105.967	
10,600.00	7,245.26	7,219.81	7,219.44	93.93	30.86	88.21	294.71	-9,739.31	8,631.72	8,548.77	82.95	104.055	
10,700.00	7,245.84	7,220.82	7,220.45	96.46	30.87	88.23	294.72	-9,739.31	8,538.72	8,455.11	83.61	102.121	
10,800.00	7,246.42	7,221.83	7,221.46	99.01	30.87	88.25	294.72	-9,739.32	8,445.88	8,361.56	84.32	100.167	
10,900.00	7,247.01	7,222.84	7,222.47	101.58	30.88	88.27	294.73	-9,739.32	8,353.20	8,268.13	85.07	98.195	
11,000.00	7,247.59	7,223.85	7,223.48	104.16	30.88	88.28	294.73	-9,739.33	8,260.69	8,174.83	85.86	96.208	
11,100.00	7,248.17	7,224.86	7,224.49	106.76	30.88	88.30	294.74	-9,739.33	8,168.36	8,081.66	86.71	94.207	
11,200.00	7,248.75	7,225.87	7,225.50	109.37	30.89	88.32	294.74	-9,739.34	8,076.21	7,988.62	87.60	92.197	
11,300.00	7,249.33	7,226.88	7,226.51	112.00	30.89	88.34	294.75	-9,739.34	7,984.25	7,895.71	88.54	90.178	
11,400.00	7,249.91	7,227.89	7,227.52	114.64	30.90	88.36	294.76	-9,739.34	7,892.49	7,802.96	89.53	88.154	
11,500.00	7,250.49	7,228.90	7,228.53	117.29	30.90	88.38	294.76	-9,739.35	7,800.93	7,710.35	90.57	86.128	
11,600.00	7,251.07	7,229.91	7,229.54	119.95	30.91	88.39	294.77	-9,739.35	7,709.58	7,617.90	91.67	84.101	
11,700.00	7,251.65	7,230.92	7,230.55	122.62	30.91	88.41	294.77	-9,739.36	7,618.44	7,525.62	92.82	82.076	
11,800.00	7,252.23	7,231.93	7,231.56	125.30	30.91	88.43	294.78	-9,739.36	7,527.53	7,433.50	94.03	80.057	

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

Offset Design Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
11,900.00	7,252.82	7,232.94	7,232.57	127.98	30.92	88.45	294.78	-9,739.37	7,436.85	7,341.56	95.29	78.044	
12,000.00	7,253.40	7,233.95	7,233.58	130.68	30.92	88.47	294.79	-9,739.37	7,346.42	7,249.81	96.61	76.041	
12,100.00	7,253.98	7,234.96	7,234.59	133.38	30.93	88.49	294.79	-9,739.37	7,256.23	7,158.24	97.99	74.051	
12,200.00	7,254.56	7,235.97	7,235.60	136.09	30.93	88.50	294.80	-9,739.38	7,166.31	7,066.88	99.43	72.074	
12,300.00	7,255.14	7,236.98	7,236.61	138.81	30.94	88.52	294.81	-9,739.38	7,076.66	6,975.72	100.93	70.114	
12,400.00	7,255.72	7,237.99	7,237.62	141.53	30.94	88.54	294.81	-9,739.39	6,987.28	6,884.79	102.49	68.172	
12,500.00	7,256.30	7,238.99	7,238.63	144.26	30.94	88.56	294.82	-9,739.39	6,898.20	6,794.08	104.12	66.251	
12,600.00	7,256.88	7,240.00	7,239.64	146.99	30.95	88.58	294.82	-9,739.40	6,809.42	6,703.61	105.82	64.351	
12,700.00	7,257.46	7,241.01	7,240.65	149.73	30.95	88.60	294.83	-9,739.40	6,720.96	6,613.38	107.58	62.476	
12,800.00	7,258.04	7,242.02	7,241.66	152.47	30.96	88.61	294.83	-9,739.40	6,632.82	6,523.42	109.41	60.625	
12,900.00	7,258.63	7,243.03	7,242.67	155.22	30.96	88.63	294.84	-9,739.41	6,545.03	6,433.72	111.31	58.802	
13,000.00	7,259.21	7,244.04	7,243.67	157.97	30.97	88.65	294.84	-9,739.41	6,457.59	6,344.31	113.28	57.007	
13,100.00	7,259.79	7,245.05	7,244.68	160.72	30.97	88.67	294.85	-9,739.42	6,370.52	6,255.20	115.32	55.242	
13,200.00	7,260.37	7,246.06	7,245.69	163.48	30.97	88.69	294.86	-9,739.42	6,283.83	6,166.39	117.44	53.507	
13,300.00	7,260.95	7,247.07	7,246.70	166.24	30.98	88.71	294.86	-9,739.43	6,197.55	6,077.91	119.64	51.804	
13,400.00	7,261.53	7,248.08	7,247.71	169.01	30.98	88.72	294.87	-9,739.43	6,111.68	5,989.77	121.91	50.133	
13,480.77	7,262.00	7,248.90	7,248.53	171.24	30.99	88.74	294.87	-9,739.43	6,042.64	5,918.84	123.80	48.808	CC, ES, SF

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

Offset Design Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	14.00	14.00	3.28	3.29	-96.98	-1,045.90	-8,541.92	8,605.71				
100.00	100.00	114.00	114.00	3.28	3.97	-96.98	-1,045.90	-8,541.92	8,605.71	8,598.46	7.25	1,186.446	
200.00	200.00	214.00	214.00	3.34	6.60	-96.98	-1,045.90	-8,541.92	8,605.71	8,595.78	9.94	866.177	
300.00	300.00	314.00	314.00	3.44	9.78	-96.98	-1,045.90	-8,541.92	8,605.71	8,592.48	13.23	650.596	
400.00	399.98	413.98	413.98	3.60	13.12	107.90	-1,045.90	-8,541.92	8,606.25	8,589.53	16.72	514.770	
500.00	499.84	513.84	513.84	3.79	16.52	107.90	-1,045.90	-8,541.92	8,607.86	8,587.55	20.31	423.897	
600.00	599.45	613.45	613.45	4.02	19.94	107.91	-1,045.90	-8,541.92	8,610.55	8,586.59	23.96	359.394	
700.00	698.70	712.70	712.70	4.29	23.37	107.91	-1,045.90	-8,541.92	8,614.32	8,586.67	27.65	311.510	
800.00	797.47	811.47	811.47	4.59	26.78	107.92	-1,045.90	-8,541.92	8,619.19	8,587.81	31.38	274.693	
900.00	895.62	909.62	909.62	4.93	30.19	107.92	-1,045.90	-8,541.92	8,625.16	8,590.04	35.12	245.583	
1,000.00	993.06	1,007.06	1,007.06	5.31	33.57	107.92	-1,045.90	-8,541.92	8,632.24	8,593.37	38.88	222.040	
1,100.00	1,089.64	1,103.64	1,103.64	5.72	36.93	107.93	-1,045.90	-8,541.92	8,640.46	8,597.83	42.64	202.642	
1,200.00	1,185.27	1,200.73	1,199.27	6.16	40.31	107.92	-1,045.90	-8,541.92	8,649.83	8,603.38	46.45	186.203	
1,300.00	1,279.82	1,306.18	1,293.82	6.64	43.98	107.92	-1,045.90	-8,541.92	8,660.37	8,609.78	50.59	171.171	
1,400.00	1,373.17	1,387.17	1,387.17	7.15	46.80	107.90	-1,045.90	-8,541.92	8,672.10	8,618.18	53.92	160.834	
1,500.00	1,465.21	1,479.21	1,479.21	7.70	50.00	107.88	-1,045.90	-8,541.92	8,685.03	8,627.36	57.67	150.609	
1,600.00	1,555.84	1,569.84	1,569.84	8.30	53.16	107.85	-1,045.90	-8,541.92	8,699.20	8,637.80	61.40	141.679	
1,651.50	1,601.92	1,615.92	1,615.92	8.62	54.76	107.83	-1,045.90	-8,541.92	8,706.98	8,643.66	63.32	137.513	
1,700.00	1,645.13	1,659.13	1,659.13	8.93	56.27	107.96	-1,045.90	-8,541.92	8,714.49	8,649.37	65.12	133.817	
1,800.00	1,734.20	1,748.20	1,748.20	9.58	59.38	108.22	-1,045.90	-8,541.92	8,730.14	8,661.28	68.86	126.783	
1,900.00	1,823.28	1,837.28	1,837.28	10.25	62.48	108.47	-1,045.90	-8,541.92	8,745.99	8,673.38	72.61	120.451	
2,000.00	1,912.36	1,926.36	1,926.36	10.94	65.59	108.72	-1,045.90	-8,541.92	8,762.05	8,685.67	76.37	114.726	
2,100.00	2,001.43	2,015.43	2,015.43	11.63	68.69	108.98	-1,045.90	-8,541.92	8,778.31	8,698.17	80.15	109.528	
2,200.00	2,090.51	2,104.51	2,104.51	12.34	71.80	109.23	-1,045.90	-8,541.92	8,794.78	8,710.86	83.93	104.790	
2,300.00	2,179.59	2,206.41	2,193.59	13.05	75.35	109.48	-1,045.90	-8,541.92	8,811.46	8,723.30	88.16	99.946	
2,400.00	2,268.66	2,282.66	2,282.66	13.76	78.01	109.73	-1,045.90	-8,541.92	8,828.33	8,736.83	91.51	96.477	
2,500.00	2,357.74	2,371.74	2,371.74	14.49	81.12	109.99	-1,045.90	-8,541.92	8,845.41	8,750.11	95.30	92.813	
2,600.00	2,446.82	2,460.82	2,460.82	15.21	84.23	110.24	-1,045.90	-8,541.92	8,862.69	8,763.59	99.10	89.429	
2,700.00	2,535.89	2,549.89	2,549.89	15.95	87.33	110.48	-1,045.90	-8,541.92	8,880.17	8,777.26	102.91	86.294	
2,800.00	2,624.97	2,638.97	2,638.97	16.68	90.44	110.73	-1,045.90	-8,541.92	8,897.84	8,791.13	106.71	83.383	
2,900.00	2,714.05	2,728.05	2,728.05	17.42	93.55	110.98	-1,045.90	-8,541.92	8,915.71	8,805.19	110.52	80.673	
3,000.00	2,803.12	2,817.12	2,817.12	18.16	96.66	111.23	-1,045.90	-8,541.92	8,933.78	8,819.45	114.32	78.144	
3,100.00	2,892.20	2,906.20	2,906.20	18.90	99.76	111.47	-1,045.90	-8,541.92	8,952.04	8,833.91	118.13	75.779	
3,200.00	2,981.28	3,004.72	2,995.28	19.65	103.20	111.72	-1,045.90	-8,541.92	8,970.49	8,848.22	122.27	73.365	
3,300.00	3,070.36	3,084.36	3,084.36	20.40	105.98	111.96	-1,045.90	-8,541.92	8,989.14	8,863.39	125.75	71.483	
3,400.00	3,159.43	3,173.43	3,173.43	21.14	109.09	112.20	-1,045.90	-8,541.92	9,007.97	8,878.41	129.56	69.526	
3,500.00	3,248.51	3,262.51	3,262.51	21.89	112.20	112.45	-1,045.90	-8,541.92	9,027.00	8,893.63	133.37	67.682	
3,600.00	3,337.59	3,351.59	3,351.59	22.65	115.31	112.69	-1,045.90	-8,541.92	9,046.22	8,909.03	137.18	65.943	
3,700.00	3,426.66	3,440.66	3,440.66	23.40	118.41	112.93	-1,045.90	-8,541.92	9,065.62	8,924.62	140.99	64.298	
3,800.00	3,515.74	3,529.74	3,529.74	24.15	121.52	113.17	-1,045.90	-8,541.92	9,085.20	8,940.40	144.80	62.742	
3,900.00	3,604.82	3,618.82	3,618.82	24.91	124.63	113.41	-1,045.90	-8,541.92	9,104.98	8,956.36	148.61	61.267	
4,000.00	3,693.89	3,707.89	3,707.89	25.66	127.74	113.65	-1,045.90	-8,541.92	9,124.93	8,972.51	152.42	59.867	
4,100.00	3,782.97	3,803.03	3,796.97	26.42	131.06	113.88	-1,045.90	-8,541.92	9,145.07	8,988.63	156.44	58.457	
4,200.00	3,872.05	3,886.05	3,886.05	27.18	133.96	114.12	-1,045.90	-8,541.92	9,165.39	9,005.35	160.04	57.271	
4,300.00	3,961.12	3,975.12	3,975.12	27.94	137.07	114.35	-1,045.90	-8,541.92	9,185.89	9,022.04	163.84	56.066	
4,400.00	4,050.20	4,064.20	4,064.20	28.69	140.17	114.59	-1,045.90	-8,541.92	9,206.56	9,038.92	167.65	54.916	
4,500.00	4,139.28	4,153.28	4,153.28	29.45	143.28	114.82	-1,045.90	-8,541.92	9,227.42	9,055.97	171.45	53.819	
4,600.00	4,228.35	4,242.35	4,242.35	30.21	146.39	115.06	-1,045.90	-8,541.92	9,248.45	9,073.19	175.26	52.771	
4,700.00	4,317.43	4,331.43	4,331.43	30.97	149.50	115.29	-1,045.90	-8,541.92	9,269.66	9,090.60	179.06	51.769	
4,800.00	4,406.51	4,420.51	4,420.51	31.73	152.61	115.52	-1,045.90	-8,541.92	9,291.04	9,108.18	182.86	50.810	
4,900.00	4,495.59	4,509.59	4,509.59	32.50	155.72	115.75	-1,045.90	-8,541.92	9,312.59	9,125.93	186.66	49.891	
5,000.00	4,584.66	4,601.34	4,598.66	33.26	158.92	115.98	-1,045.90	-8,541.92	9,334.31	9,143.76	190.55	48.985	

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

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

Offset Design Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,687.74	4,687.74	34.02	161.94	116.21	-1,045.90	-8,541.92	9,356.21	9,161.95	194.26	48.164	
5,200.00	4,762.82	4,776.82	4,776.82	34.78	165.05	116.43	-1,045.90	-8,541.92	9,378.27	9,180.22	198.05	47.352	
5,300.00	4,851.89	4,865.89	4,865.89	35.54	168.16	116.66	-1,045.90	-8,541.92	9,400.50	9,198.65	201.85	46.572	
5,400.00	4,940.97	4,954.97	4,954.97	36.31	171.26	116.89	-1,045.90	-8,541.92	9,422.90	9,217.26	205.64	45.821	
5,500.00	5,030.05	5,044.05	5,044.05	37.07	174.37	117.11	-1,045.90	-8,541.92	9,445.46	9,236.03	209.44	45.099	
5,600.00	5,119.12	5,133.12	5,133.12	37.83	177.48	117.34	-1,045.90	-8,541.92	9,468.19	9,254.96	213.23	44.404	
5,700.00	5,208.20	5,222.20	5,222.20	38.60	180.59	117.56	-1,045.90	-8,541.92	9,491.08	9,274.06	217.02	43.733	
5,800.00	5,297.28	5,311.28	5,311.28	39.36	183.70	117.78	-1,045.90	-8,541.92	9,514.14	9,293.33	220.81	43.087	
5,900.00	5,386.35	5,400.35	5,400.35	40.13	186.81	118.00	-1,045.90	-8,541.92	9,537.35	9,312.75	224.60	42.464	
6,000.00	5,475.43	5,489.43	5,489.43	40.89	189.92	118.22	-1,045.90	-8,541.92	9,560.73	9,332.34	228.39	41.862	
6,100.00	5,564.51	5,578.51	5,578.51	41.66	193.03	118.44	-1,045.90	-8,541.92	9,584.26	9,352.09	232.17	41.281	
6,200.00	5,653.58	5,667.58	5,667.58	42.42	196.14	118.66	-1,045.90	-8,541.92	9,607.95	9,371.99	235.96	40.719	
6,300.00	5,742.66	5,756.66	5,756.66	43.19	199.25	118.88	-1,045.90	-8,541.92	9,631.79	9,392.05	239.74	40.176	
6,400.00	5,831.74	5,845.74	5,845.74	43.95	202.36	119.09	-1,045.90	-8,541.92	9,655.79	9,412.27	243.52	39.651	
6,500.00	5,920.82	5,934.82	5,934.82	44.72	205.47	119.31	-1,045.90	-8,541.92	9,679.95	9,432.65	247.30	39.142	
6,600.00	6,009.89	6,023.89	6,023.89	45.48	208.57	119.53	-1,045.90	-8,541.92	9,704.26	9,453.18	251.08	38.650	
6,700.00	6,098.97	6,112.97	6,112.97	46.25	211.68	119.74	-1,045.90	-8,541.92	9,728.72	9,473.86	254.86	38.173	
6,800.00	6,188.05	6,202.05	6,202.05	47.01	214.79	119.95	-1,045.90	-8,541.92	9,753.33	9,494.69	258.63	37.711	
6,900.00	6,277.12	6,308.88	6,291.12	47.78	218.52	120.16	-1,045.90	-8,541.92	9,778.08	9,515.05	263.03	37.175	
7,000.00	6,366.20	6,380.20	6,380.20	48.55	221.01	120.38	-1,045.90	-8,541.92	9,802.99	9,536.81	266.18	36.828	
7,100.00	6,455.28	6,469.28	6,469.28	49.31	224.12	120.59	-1,045.90	-8,541.92	9,828.04	9,558.09	269.96	36.406	
7,197.64	6,542.25	6,556.25	6,556.25	50.06	227.16	120.79	-1,045.90	-8,541.92	9,852.65	9,579.01	273.64	36.006	
7,200.00	6,544.35	6,558.35	6,558.35	50.08	227.23	120.40	-1,045.90	-8,541.92	9,853.24	9,579.51	273.73	35.997	
7,250.00	6,589.22	6,603.22	6,603.22	50.44	228.80	111.68	-1,045.90	-8,541.92	9,863.82	9,588.21	275.61	35.789	
7,300.00	6,634.48	6,648.48	6,648.48	50.77	230.38	102.24	-1,045.90	-8,541.92	9,870.62	9,593.12	277.49	35.570	
7,350.00	6,679.86	6,706.14	6,693.86	51.06	232.39	92.59	-1,045.90	-8,541.92	9,873.59	9,593.80	279.78	35.290	
7,400.00	6,725.09	6,739.09	6,739.09	51.31	233.54	83.33	-1,045.90	-8,541.92	9,872.72	9,591.54	281.18	35.112	
7,450.00	6,769.87	6,783.87	6,783.87	51.52	235.10	74.96	-1,045.90	-8,541.92	9,868.02	9,585.07	282.95	34.876	
7,500.00	6,813.94	6,827.94	6,827.94	51.69	236.64	67.72	-1,045.90	-8,541.92	9,859.51	9,574.86	284.65	34.637	
7,550.00	6,857.03	6,871.03	6,871.03	51.84	238.15	61.68	-1,045.90	-8,541.92	9,847.26	9,560.98	286.28	34.397	
7,600.00	6,898.86	6,912.86	6,912.86	51.95	239.61	56.77	-1,045.90	-8,541.92	9,831.35	9,543.51	287.83	34.157	
7,650.00	6,939.19	6,953.19	6,953.19	52.05	241.01	52.85	-1,045.90	-8,541.92	9,811.86	9,522.56	289.30	33.916	
7,700.00	6,977.75	7,008.25	6,991.75	52.13	242.94	49.78	-1,045.90	-8,541.92	9,788.92	9,497.67	291.24	33.611	
7,750.00	7,014.32	7,028.32	7,028.32	52.20	243.64	47.44	-1,045.90	-8,541.92	9,762.66	9,470.72	291.94	33.440	
7,800.00	7,048.67	7,062.67	7,062.67	52.26	244.83	45.76	-1,045.90	-8,541.92	9,733.25	9,440.14	293.12	33.206	
7,850.00	7,080.59	7,105.41	7,094.59	52.33	246.33	44.66	-1,045.90	-8,541.92	9,700.87	9,406.30	294.57	32.933	
7,900.00	7,109.87	7,123.87	7,123.87	52.39	246.97	44.13	-1,045.90	-8,541.92	9,665.71	9,370.55	295.16	32.748	
7,950.00	7,136.35	7,150.35	7,150.35	52.47	247.90	44.18	-1,045.90	-8,541.92	9,627.98	9,331.97	296.02	32.525	
8,000.00	7,159.85	7,173.85	7,173.85	52.55	248.72	44.86	-1,045.90	-8,541.92	9,587.92	9,291.15	296.77	32.308	
8,050.00	7,180.23	7,205.77	7,194.23	52.64	249.83	46.30	-1,045.90	-8,541.92	9,545.76	9,247.94	297.81	32.053	
8,100.00	7,197.37	7,211.37	7,211.37	52.75	250.03	48.70	-1,045.90	-8,541.92	9,501.75	9,203.81	297.94	31.891	
8,150.00	7,211.16	7,225.16	7,225.16	52.88	250.51	52.47	-1,045.90	-8,541.92	9,456.17	9,157.81	298.36	31.694	
8,200.00	7,221.51	7,235.51	7,235.51	53.03	250.87	58.29	-1,045.90	-8,541.92	9,409.28	9,110.62	298.66	31.505	
8,250.00	7,228.37	7,242.37	7,242.37	53.20	251.11	67.38	-1,045.90	-8,541.92	9,361.37	9,062.52	298.86	31.324	
8,300.00	7,231.68	7,245.68	7,245.68	53.40	251.22	81.71	-1,045.90	-8,541.92	9,312.74	9,013.80	298.94	31.153	
8,317.45	7,232.00	7,246.00	7,246.00	53.47	251.23	88.33	-1,045.90	-8,541.92	9,295.64	8,996.70	298.94	31.095	
8,400.00	7,232.48	7,246.48	7,246.48	53.86	251.25	88.34	-1,045.90	-8,541.92	9,214.70	8,915.78	298.92	30.827	
8,500.00	7,233.06	7,247.06	7,247.06	54.44	251.27	88.36	-1,045.90	-8,541.92	9,116.69	8,817.79	298.90	30.501	
8,600.00	7,233.64	7,247.64	7,247.64	55.14	251.29	88.38	-1,045.90	-8,541.92	9,018.71	8,719.83	298.89	30.174	
8,700.00	7,234.22	7,248.22	7,248.22	55.99	251.31	88.40	-1,045.90	-8,541.92	8,920.79	8,621.90	298.88	29.847	
8,800.00	7,234.80	7,248.80	7,248.80	57.00	251.33	88.42	-1,045.90	-8,541.92	8,822.91	8,524.02	298.89	29.519	
8,900.00	7,235.39	7,249.39	7,249.39	58.18	251.35	88.44	-1,045.90	-8,541.92	8,725.07	8,426.17	298.90	29.190	

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

Offset Design Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,249.97	7,249.97	59.53	251.37	88.45	-1,045.90	-8,541.92	8,627.29	8,328.36	298.93	28.861	
9,100.00	7,236.55	7,250.55	7,250.55	61.04	251.39	88.47	-1,045.90	-8,541.92	8,529.56	8,230.59	298.97	28.530	
9,200.00	7,237.13	7,251.13	7,251.13	62.69	251.41	88.49	-1,045.90	-8,541.92	8,431.88	8,132.86	299.01	28.199	
9,300.00	7,237.71	7,251.71	7,251.71	64.47	251.43	88.51	-1,045.90	-8,541.92	8,334.25	8,035.18	299.08	27.867	
9,400.00	7,238.29	7,252.29	7,252.29	66.36	251.45	88.53	-1,045.90	-8,541.92	8,236.69	7,937.54	299.15	27.534	
9,500.00	7,238.87	7,252.87	7,252.87	68.34	251.47	88.55	-1,045.90	-8,541.92	8,139.18	7,839.94	299.24	27.200	
9,600.00	7,239.45	7,253.45	7,253.45	70.41	251.49	88.56	-1,045.90	-8,541.92	8,041.73	7,742.39	299.34	26.865	
9,700.00	7,240.03	7,254.03	7,254.03	72.55	251.51	88.58	-1,045.90	-8,541.92	7,944.35	7,644.89	299.46	26.529	
9,800.00	7,240.61	7,254.61	7,254.61	74.76	251.53	88.60	-1,045.90	-8,541.92	7,847.03	7,547.44	299.60	26.192	
9,900.00	7,241.20	7,255.20	7,255.20	77.02	251.56	88.62	-1,045.90	-8,541.92	7,749.78	7,450.03	299.75	25.854	
10,000.00	7,241.78	7,255.78	7,255.78	79.33	251.58	88.64	-1,045.90	-8,541.92	7,652.60	7,352.68	299.92	25.515	
10,100.00	7,242.36	7,256.36	7,256.36	81.68	251.60	88.66	-1,045.90	-8,541.92	7,555.50	7,255.38	300.12	25.175	
10,200.00	7,242.94	7,256.94	7,256.94	84.07	251.62	88.67	-1,045.90	-8,541.92	7,458.47	7,158.14	300.33	24.834	
10,300.00	7,243.52	7,257.52	7,257.52	86.49	251.64	88.69	-1,045.90	-8,541.92	7,361.52	7,060.95	300.57	24.492	
10,400.00	7,244.10	7,258.10	7,258.10	88.95	251.66	88.71	-1,045.90	-8,541.92	7,264.65	6,963.83	300.83	24.149	
10,500.00	7,244.68	7,258.68	7,258.68	91.43	251.68	88.73	-1,045.90	-8,541.92	7,167.87	6,866.76	301.11	23.805	
10,600.00	7,245.26	7,259.26	7,259.26	93.93	251.70	88.75	-1,045.90	-8,541.92	7,071.18	6,769.76	301.42	23.459	
10,700.00	7,245.84	7,259.84	7,259.84	96.46	251.72	88.77	-1,045.90	-8,541.92	6,974.59	6,672.82	301.76	23.113	
10,800.00	7,246.42	7,260.42	7,260.42	99.01	251.74	88.78	-1,045.90	-8,541.92	6,878.09	6,575.95	302.13	22.765	
10,900.00	7,247.01	7,261.01	7,261.01	101.58	251.76	88.80	-1,045.90	-8,541.92	6,781.69	6,479.15	302.54	22.416	
11,000.00	7,247.59	7,261.59	7,261.59	104.16	251.78	88.82	-1,045.90	-8,541.92	6,685.39	6,382.42	302.97	22.066	
11,100.00	7,248.17	7,262.17	7,262.17	106.76	251.80	88.84	-1,045.90	-8,541.92	6,589.21	6,285.77	303.44	21.715	
11,200.00	7,248.75	7,262.75	7,262.75	109.37	251.82	88.86	-1,045.90	-8,541.92	6,493.14	6,189.20	303.94	21.363	
11,300.00	7,249.33	7,263.33	7,263.33	112.00	251.84	88.88	-1,045.90	-8,541.92	6,397.20	6,092.71	304.49	21.010	
11,400.00	7,249.91	7,263.91	7,263.91	114.64	251.86	88.89	-1,045.90	-8,541.92	6,301.37	5,996.30	305.07	20.655	
11,500.00	7,250.49	7,264.49	7,264.49	117.29	251.88	88.91	-1,045.90	-8,541.92	6,205.69	5,899.98	305.70	20.300	
11,600.00	7,251.07	7,265.07	7,265.07	119.95	251.90	88.93	-1,045.90	-8,541.92	6,110.13	5,803.76	306.37	19.943	
11,700.00	7,251.65	7,265.65	7,265.65	122.62	251.92	88.95	-1,045.90	-8,541.92	6,014.73	5,707.63	307.09	19.586	
11,800.00	7,252.23	7,266.23	7,266.23	125.30	251.94	88.97	-1,045.90	-8,541.92	5,919.47	5,611.61	307.86	19.228	
11,900.00	7,252.82	7,266.82	7,266.82	127.98	251.96	88.99	-1,045.90	-8,541.92	5,824.38	5,515.69	308.68	18.868	
12,000.00	7,253.40	7,267.40	7,267.40	130.68	251.98	89.00	-1,045.90	-8,541.92	5,729.45	5,419.89	309.56	18.508	
12,100.00	7,253.98	7,267.98	7,267.98	133.38	252.00	89.02	-1,045.90	-8,541.92	5,634.69	5,324.20	310.49	18.148	
12,200.00	7,254.56	7,268.56	7,268.56	136.09	252.02	89.04	-1,045.90	-8,541.92	5,540.12	5,228.64	311.48	17.786	
12,300.00	7,255.14	7,269.14	7,269.14	138.81	252.04	89.06	-1,045.90	-8,541.92	5,445.75	5,133.21	312.54	17.424	
12,400.00	7,255.72	7,269.72	7,269.72	141.53	252.06	89.08	-1,045.90	-8,541.92	5,351.58	5,037.91	313.66	17.062	
12,500.00	7,256.30	7,270.30	7,270.30	144.26	252.08	89.10	-1,045.90	-8,541.92	5,257.62	4,942.76	314.86	16.698	
12,600.00	7,256.88	7,270.88	7,270.88	146.99	252.10	89.11	-1,045.90	-8,541.92	5,163.89	4,847.77	316.12	16.335	
12,700.00	7,257.46	7,271.46	7,271.46	149.73	252.12	89.13	-1,045.90	-8,541.92	5,070.40	4,752.94	317.46	15.972	
12,800.00	7,258.04	7,272.04	7,272.04	152.47	252.14	89.15	-1,045.90	-8,541.92	4,977.17	4,658.28	318.88	15.608	
12,900.00	7,258.63	7,272.63	7,272.63	155.22	252.16	89.17	-1,045.90	-8,541.92	4,884.20	4,563.81	320.39	15.245	
13,000.00	7,259.21	7,273.21	7,273.21	157.97	252.18	89.19	-1,045.90	-8,541.92	4,791.51	4,469.53	321.98	14.881	
13,100.00	7,259.79	7,273.79	7,273.79	160.72	252.20	89.21	-1,045.90	-8,541.92	4,699.12	4,375.46	323.67	14.518	
13,200.00	7,260.37	7,274.37	7,274.37	163.48	252.22	89.22	-1,045.90	-8,541.92	4,607.06	4,281.61	325.45	14.156	
13,300.00	7,260.95	7,274.95	7,274.95	166.24	252.24	89.24	-1,045.90	-8,541.92	4,515.33	4,187.99	327.33	13.794	
13,400.00	7,261.53	7,275.53	7,275.53	169.01	252.27	89.26	-1,045.90	-8,541.92	4,423.95	4,094.63	329.32	13.433	
13,480.77	7,262.00	7,276.00	7,276.00	171.24	252.28	89.28	-1,045.90	-8,541.92	4,350.43	4,019.42	331.01	13.143	CC, ES, SF

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

Offset Design Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	26.00	26.00	3.28	3.31	-78.89	1,653.93	-8,425.58	8,586.38				
100.00	100.00	126.00	126.00	3.28	4.22	-78.89	1,653.93	-8,425.58	8,586.38	8,578.87	7.50	1,144.328	
200.00	200.00	226.00	226.00	3.34	6.96	-78.89	1,653.93	-8,425.58	8,586.38	8,576.07	10.30	833.476	
300.00	300.00	326.00	326.00	3.44	10.18	-78.89	1,653.93	-8,425.58	8,586.38	8,572.75	13.62	630.282	
400.00	399.98	425.98	425.98	3.60	13.53	125.98	1,653.93	-8,425.58	8,587.40	8,570.28	17.12	501.460	
500.00	499.84	525.84	525.84	3.79	16.93	125.96	1,653.93	-8,425.58	8,590.48	8,569.76	20.72	414.637	
600.00	599.45	625.45	625.45	4.02	20.36	125.92	1,653.93	-8,425.58	8,595.61	8,571.23	24.37	352.667	
700.00	698.70	724.70	724.70	4.29	23.78	125.87	1,653.93	-8,425.58	8,602.79	8,574.72	28.07	306.484	
800.00	797.47	823.47	823.47	4.59	27.20	125.80	1,653.93	-8,425.58	8,612.02	8,580.23	31.79	270.879	
900.00	895.62	921.62	921.62	4.93	30.60	125.72	1,653.93	-8,425.58	8,623.31	8,587.77	35.53	242.681	
1,000.00	993.06	1,019.06	1,019.06	5.31	33.99	125.62	1,653.93	-8,425.58	8,636.65	8,597.37	39.28	219.855	
1,100.00	1,089.64	1,115.64	1,115.64	5.72	37.35	125.50	1,653.93	-8,425.58	8,652.05	8,609.01	43.04	201.041	
1,200.00	1,185.27	1,211.27	1,211.27	6.16	40.67	125.37	1,653.93	-8,425.58	8,669.50	8,622.72	46.79	185.300	
1,300.00	1,279.82	1,305.82	1,305.82	6.64	43.96	125.21	1,653.93	-8,425.58	8,689.02	8,638.49	50.53	171.961	
1,400.00	1,373.17	1,400.83	1,399.17	7.15	47.27	125.04	1,653.93	-8,425.58	8,710.58	8,656.27	54.32	160.363	
1,500.00	1,465.21	1,508.79	1,491.21	7.70	51.03	124.84	1,653.93	-8,425.58	8,734.20	8,675.62	58.59	149.079	
1,600.00	1,555.84	1,581.84	1,581.84	8.30	53.58	124.61	1,653.93	-8,425.58	8,759.88	8,698.21	61.67	142.040	
1,651.50	1,601.92	1,627.92	1,627.92	8.62	55.18	124.49	1,653.93	-8,425.58	8,773.90	8,710.33	63.57	138.026	
1,700.00	1,645.13	1,671.13	1,671.13	8.93	56.69	124.60	1,653.93	-8,425.58	8,787.38	8,722.03	65.35	134.469	
1,800.00	1,734.20	1,760.20	1,760.20	9.58	59.79	124.82	1,653.93	-8,425.58	8,815.28	8,746.24	69.03	127.696	
1,900.00	1,823.28	1,849.28	1,849.28	10.25	62.90	125.05	1,653.93	-8,425.58	8,843.32	8,770.59	72.73	121.589	
2,000.00	1,912.36	1,938.36	1,938.36	10.94	66.00	125.27	1,653.93	-8,425.58	8,871.51	8,795.07	76.44	116.059	
2,100.00	2,001.43	2,027.43	2,027.43	11.63	69.11	125.49	1,653.93	-8,425.58	8,899.84	8,819.68	80.16	111.030	
2,200.00	2,090.51	2,116.51	2,116.51	12.34	72.22	125.71	1,653.93	-8,425.58	8,928.31	8,844.43	83.88	106.440	
2,300.00	2,179.59	2,205.59	2,205.59	13.05	75.32	125.93	1,653.93	-8,425.58	8,956.92	8,869.31	87.61	102.235	
2,400.00	2,268.66	2,305.34	2,294.66	13.76	78.80	126.15	1,653.93	-8,425.58	8,985.67	8,893.95	91.72	97.971	
2,500.00	2,357.74	2,383.74	2,383.74	14.49	81.54	126.37	1,653.93	-8,425.58	9,014.56	8,919.48	95.08	94.807	
2,600.00	2,446.82	2,472.82	2,472.82	15.21	84.64	126.58	1,653.93	-8,425.58	9,043.58	8,944.76	98.82	91.512	
2,700.00	2,535.89	2,561.89	2,561.89	15.95	87.75	126.80	1,653.93	-8,425.58	9,072.74	8,970.18	102.57	88.456	
2,800.00	2,624.97	2,650.97	2,650.97	16.68	90.86	127.01	1,653.93	-8,425.58	9,102.04	8,995.72	106.31	85.615	
2,900.00	2,714.05	2,740.05	2,740.05	17.42	93.97	127.22	1,653.93	-8,425.58	9,131.46	9,021.40	110.06	82.968	
3,000.00	2,803.12	2,829.12	2,829.12	18.16	97.07	127.44	1,653.93	-8,425.58	9,161.02	9,047.21	113.81	80.495	
3,100.00	2,892.20	2,918.20	2,918.20	18.90	100.18	127.65	1,653.93	-8,425.58	9,190.70	9,073.15	117.56	78.181	
3,200.00	2,981.28	3,007.28	3,007.28	19.65	103.29	127.85	1,653.93	-8,425.58	9,220.52	9,099.21	121.31	76.011	
3,300.00	3,070.36	3,103.64	3,096.36	20.40	106.65	128.06	1,653.93	-8,425.58	9,250.46	9,125.15	125.31	73.821	
3,400.00	3,159.43	3,185.43	3,185.43	21.14	109.51	128.27	1,653.93	-8,425.58	9,280.52	9,151.72	128.81	72.051	
3,500.00	3,248.51	3,274.51	3,274.51	21.89	112.62	128.47	1,653.93	-8,425.58	9,310.71	9,178.16	132.55	70.240	
3,600.00	3,337.59	3,363.59	3,363.59	22.65	115.72	128.68	1,653.93	-8,425.58	9,341.03	9,204.73	136.30	68.531	
3,700.00	3,426.66	3,452.66	3,452.66	23.40	118.83	128.88	1,653.93	-8,425.58	9,371.47	9,231.41	140.05	66.913	
3,800.00	3,515.74	3,541.74	3,541.74	24.15	121.94	129.08	1,653.93	-8,425.58	9,402.03	9,258.22	143.80	65.381	
3,900.00	3,604.82	3,630.82	3,630.82	24.91	125.05	129.28	1,653.93	-8,425.58	9,432.70	9,285.15	147.55	63.928	
4,000.00	3,693.89	3,719.89	3,719.89	25.66	128.16	129.48	1,653.93	-8,425.58	9,463.50	9,312.20	151.30	62.548	
4,100.00	3,782.97	3,808.97	3,808.97	26.42	131.27	129.68	1,653.93	-8,425.58	9,494.42	9,339.37	155.05	61.236	
4,200.00	3,872.05	3,901.95	3,898.05	27.18	134.51	129.88	1,653.93	-8,425.58	9,525.45	9,366.52	158.93	59.935	
4,300.00	3,961.12	3,987.12	3,987.12	27.94	137.48	130.07	1,653.93	-8,425.58	9,556.60	9,394.06	162.54	58.796	
4,400.00	4,050.20	4,076.20	4,076.20	28.69	140.59	130.27	1,653.93	-8,425.58	9,587.86	9,421.57	166.28	57.660	
4,500.00	4,139.28	4,165.28	4,165.28	29.45	143.70	130.46	1,653.93	-8,425.58	9,619.23	9,449.20	170.03	56.574	
4,600.00	4,228.35	4,254.35	4,254.35	30.21	146.81	130.65	1,653.93	-8,425.58	9,650.72	9,476.94	173.77	55.537	
4,700.00	4,317.43	4,343.43	4,343.43	30.97	149.92	130.85	1,653.93	-8,425.58	9,682.31	9,504.80	177.51	54.544	
4,800.00	4,406.51	4,432.51	4,432.51	31.73	153.03	131.04	1,653.93	-8,425.58	9,714.02	9,532.76	181.26	53.593	
4,900.00	4,495.59	4,521.59	4,521.59	32.50	156.14	131.23	1,653.93	-8,425.58	9,745.84	9,560.84	185.00	52.681	
5,000.00	4,584.66	4,610.66	4,610.66	33.26	159.25	131.41	1,653.93	-8,425.58	9,777.76	9,589.02	188.74	51.806	

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

Offset Design Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,700.26	4,699.74	34.02	162.37	131.60	1,653.93	-8,425.58	9,809.79	9,617.30	192.49	50.962	
5,200.00	4,762.82	4,788.82	4,788.82	34.78	165.46	131.79	1,653.93	-8,425.58	9,841.93	9,645.71	196.21	50.159	
5,300.00	4,851.89	4,877.89	4,877.89	35.54	168.57	131.97	1,653.93	-8,425.58	9,874.17	9,674.21	199.95	49.383	
5,400.00	4,940.97	4,966.97	4,966.97	36.31	171.68	132.16	1,653.93	-8,425.58	9,906.51	9,702.82	203.69	48.636	
5,500.00	5,030.05	5,056.05	5,056.05	37.07	174.79	132.34	1,653.93	-8,425.58	9,938.96	9,731.53	207.42	47.917	
5,600.00	5,119.12	5,145.12	5,145.12	37.83	177.90	132.52	1,653.93	-8,425.58	9,971.50	9,760.35	211.16	47.224	
8,500.00	7,233.06	7,259.06	7,259.06	54.44	251.69	89.35	1,653.93	-8,425.58	9,913.13	9,616.84	296.29	33.457	
8,600.00	7,233.64	7,259.64	7,259.64	55.14	251.71	89.36	1,653.93	-8,425.58	9,824.22	9,527.76	296.46	33.138	
8,700.00	7,234.22	7,260.22	7,260.22	55.99	251.73	89.36	1,653.93	-8,425.58	9,735.52	9,438.84	296.68	32.815	
8,800.00	7,234.80	7,260.80	7,260.80	57.00	251.75	89.37	1,653.93	-8,425.58	9,647.04	9,350.10	296.94	32.488	
8,900.00	7,235.39	7,261.39	7,261.39	58.18	251.77	89.38	1,653.93	-8,425.58	9,558.79	9,261.53	297.26	32.156	
9,000.00	7,235.97	7,261.97	7,261.97	59.53	251.79	89.39	1,653.93	-8,425.58	9,470.78	9,173.14	297.64	31.820	
9,100.00	7,236.55	7,262.55	7,262.55	61.04	251.81	89.39	1,653.93	-8,425.58	9,383.00	9,084.93	298.07	31.479	
9,200.00	7,237.13	7,263.13	7,263.13	62.69	251.83	89.40	1,653.93	-8,425.58	9,295.47	8,996.91	298.56	31.134	
9,300.00	7,237.71	7,263.71	7,263.71	64.47	251.85	89.41	1,653.93	-8,425.58	9,208.19	8,909.09	299.11	30.786	
9,400.00	7,238.29	7,264.29	7,264.29	66.36	251.87	89.42	1,653.93	-8,425.58	9,121.18	8,821.46	299.72	30.433	
9,500.00	7,238.87	7,264.87	7,264.87	68.34	251.89	89.42	1,653.93	-8,425.58	9,034.43	8,734.04	300.39	30.076	
9,600.00	7,239.45	7,265.45	7,265.45	70.41	251.91	89.43	1,653.93	-8,425.58	8,947.96	8,646.84	301.13	29.715	
9,700.00	7,240.03	7,266.03	7,266.03	72.55	251.93	89.44	1,653.93	-8,425.58	8,861.78	8,559.86	301.93	29.351	
9,800.00	7,240.61	7,266.61	7,266.61	74.76	251.95	89.45	1,653.93	-8,425.58	8,775.89	8,473.10	302.79	28.983	
9,900.00	7,241.20	7,267.20	7,267.20	77.02	251.97	89.45	1,653.93	-8,425.58	8,690.30	8,386.58	303.72	28.613	
10,000.00	7,241.78	7,267.78	7,267.78	79.33	251.99	89.46	1,653.93	-8,425.58	8,605.02	8,300.31	304.71	28.240	
10,100.00	7,242.36	7,268.36	7,268.36	81.68	252.01	89.47	1,653.93	-8,425.58	8,520.06	8,214.29	305.78	27.864	
10,200.00	7,242.94	7,268.94	7,268.94	84.07	252.03	89.47	1,653.93	-8,425.58	8,435.43	8,128.53	306.91	27.485	
10,300.00	7,243.52	7,269.52	7,269.52	86.49	252.06	89.48	1,653.93	-8,425.58	8,351.14	8,043.04	308.10	27.105	
10,400.00	7,244.10	7,270.10	7,270.10	88.95	252.08	89.49	1,653.93	-8,425.58	8,267.20	7,957.84	309.36	26.723	
10,500.00	7,244.68	7,270.68	7,270.68	91.43	252.10	89.50	1,653.93	-8,425.58	8,183.63	7,872.93	310.70	26.340	
10,600.00	7,245.26	7,271.26	7,271.26	93.93	252.12	89.50	1,653.93	-8,425.58	8,100.42	7,788.33	312.09	25.955	
10,700.00	7,245.84	7,271.84	7,271.84	96.46	252.14	89.51	1,653.93	-8,425.58	8,017.60	7,704.04	313.56	25.569	
10,800.00	7,246.42	7,272.42	7,272.42	99.01	252.16	89.52	1,653.93	-8,425.58	7,935.17	7,620.08	315.10	25.183	
10,900.00	7,247.01	7,273.01	7,273.01	101.58	252.18	89.53	1,653.93	-8,425.58	7,853.15	7,536.45	316.70	24.797	
11,000.00	7,247.59	7,273.59	7,273.59	104.16	252.20	89.53	1,653.93	-8,425.58	7,771.56	7,453.19	318.37	24.410	
11,100.00	7,248.17	7,274.17	7,274.17	106.76	252.22	89.54	1,653.93	-8,425.58	7,690.39	7,370.28	320.11	24.024	
11,200.00	7,248.75	7,274.75	7,274.75	109.37	252.24	89.55	1,653.93	-8,425.58	7,609.68	7,287.76	321.92	23.639	
11,300.00	7,249.33	7,275.33	7,275.33	112.00	252.26	89.56	1,653.93	-8,425.58	7,529.43	7,205.64	323.79	23.254	
11,400.00	7,249.91	7,275.91	7,275.91	114.64	252.28	89.56	1,653.93	-8,425.58	7,449.65	7,123.92	325.74	22.870	
11,500.00	7,250.49	7,276.49	7,276.49	117.29	252.30	89.57	1,653.93	-8,425.58	7,370.37	7,042.62	327.75	22.488	
11,600.00	7,251.07	7,277.07	7,277.07	119.95	252.32	89.58	1,653.93	-8,425.58	7,291.60	6,961.77	329.83	22.107	
11,700.00	7,251.65	7,277.65	7,277.65	122.62	252.34	89.59	1,653.93	-8,425.58	7,213.36	6,881.38	331.98	21.728	
11,800.00	7,252.23	7,278.23	7,278.23	125.30	252.36	89.59	1,653.93	-8,425.58	7,135.66	6,801.46	334.20	21.351	
11,900.00	7,252.82	7,278.82	7,278.82	127.98	252.38	89.60	1,653.93	-8,425.58	7,058.52	6,722.03	336.49	20.977	
12,000.00	7,253.40	7,279.40	7,279.40	130.68	252.40	89.61	1,653.93	-8,425.58	6,981.96	6,643.11	338.85	20.605	
12,100.00	7,253.98	7,279.98	7,279.98	133.38	252.42	89.61	1,653.93	-8,425.58	6,906.00	6,564.72	341.28	20.236	
12,200.00	7,254.56	7,280.56	7,280.56	136.09	252.44	89.62	1,653.93	-8,425.58	6,830.66	6,486.88	343.77	19.870	
12,300.00	7,255.14	7,281.14	7,281.14	138.81	252.46	89.63	1,653.93	-8,425.58	6,755.95	6,409.62	346.34	19.507	
12,400.00	7,255.72	7,281.72	7,281.72	141.53	252.48	89.64	1,653.93	-8,425.58	6,681.91	6,332.94	348.98	19.147	
12,500.00	7,256.30	7,282.30	7,282.30	144.26	252.50	89.64	1,653.93	-8,425.58	6,608.56	6,256.87	351.68	18.791	
12,600.00	7,256.88	7,282.88	7,282.88	146.99	252.52	89.65	1,653.93	-8,425.58	6,535.91	6,181.45	354.46	18.439	
12,700.00	7,257.46	7,283.46	7,283.46	149.73	252.54	89.66	1,653.93	-8,425.58	6,463.99	6,106.68	357.31	18.091	
12,800.00	7,258.04	7,284.04	7,284.04	152.47	252.56	89.67	1,653.93	-8,425.58	6,392.82	6,032.60	360.23	17.747	
12,900.00	7,258.63	7,284.63	7,284.63	155.22	252.58	89.67	1,653.93	-8,425.58	6,322.44	5,959.23	363.21	17.407	
13,000.00	7,259.21	7,285.21	7,285.21	157.97	252.60	89.68	1,653.93	-8,425.58	6,252.86	5,886.59	366.27	17.072	

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

Offset Design Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,100.00	7,259.79	7,285.79	7,285.79	160.72	252.62	89.69	1,653.93	-8,425.58	6,184.12	5,814.72	369.40	16.741	
13,200.00	7,260.37	7,286.37	7,286.37	163.48	252.64	89.70	1,653.93	-8,425.58	6,116.24	5,743.65	372.60	16.415	
13,300.00	7,260.95	7,286.95	7,286.95	166.24	252.66	89.70	1,653.93	-8,425.58	6,049.25	5,673.39	375.86	16.094	
13,400.00	7,261.53	7,287.53	7,287.53	169.01	252.68	89.71	1,653.93	-8,425.58	5,983.19	5,603.99	379.20	15.778	
13,480.77	7,262.00	7,288.00	7,288.00	171.24	252.70	89.72	1,653.93	-8,425.58	5,930.52	5,548.57	381.94	15.527	CC, ES, SF

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

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-166.44	-2,561.06	-617.72	2,634.52				
100.00	100.00	83.75	83.75	3.28	3.28	-166.44	-2,561.18	-617.74	2,634.63	2,628.06	6.57	401.030	
200.00	200.00	188.64	188.64	3.34	3.33	-166.44	-2,561.44	-617.64	2,634.86	2,628.19	6.67	395.008	
300.00	300.00	282.82	282.82	3.44	3.43	-166.45	-2,561.65	-617.48	2,635.03	2,628.16	6.87	383.381	
400.00	399.98	382.21	382.21	3.60	3.58	38.47	-2,561.98	-617.57	2,634.01	2,626.84	7.17	367.288	
500.00	499.84	484.65	484.65	3.79	3.77	38.59	-2,562.24	-617.76	2,630.20	2,622.64	7.56	347.948	
600.00	599.45	583.33	583.33	4.02	4.00	38.79	-2,562.46	-617.84	2,623.63	2,615.61	8.02	327.207	
700.00	698.70	693.57	693.57	4.29	4.28	39.09	-2,562.59	-617.76	2,614.23	2,605.65	8.57	304.874	
800.00	797.47	784.99	784.99	4.59	4.55	39.45	-2,562.57	-617.73	2,602.03	2,592.89	9.14	284.781	
900.00	895.62	879.78	879.78	4.93	4.83	39.90	-2,562.73	-617.95	2,587.44	2,577.69	9.76	265.177	
1,000.00	993.06	991.98	991.97	5.31	5.20	40.50	-2,562.77	-617.98	2,570.12	2,559.65	10.48	245.322	
1,100.00	1,089.64	1,079.90	1,079.89	5.72	5.49	41.10	-2,562.62	-617.91	2,550.07	2,538.92	11.16	228.602	
1,200.00	1,185.27	1,173.11	1,173.11	6.16	5.82	41.82	-2,562.71	-617.99	2,527.85	2,515.96	11.89	212.655	
1,300.00	1,279.82	1,266.04	1,266.04	6.64	6.15	42.64	-2,562.85	-618.02	2,503.29	2,490.64	12.65	197.859	
1,400.00	1,373.17	1,360.44	1,360.43	7.15	6.50	43.57	-2,563.05	-617.99	2,476.50	2,463.04	13.45	184.072	
1,500.00	1,465.21	1,453.46	1,453.46	7.70	6.84	44.61	-2,563.19	-617.88	2,447.45	2,433.17	14.28	171.350	
1,600.00	1,555.84	1,544.99	1,544.99	8.30	7.19	45.75	-2,563.32	-617.82	2,416.33	2,401.19	15.14	159.600	
1,651.50	1,601.92	1,592.31	1,592.30	8.62	7.37	46.38	-2,563.39	-617.68	2,399.51	2,383.91	15.60	153.858	
1,700.00	1,645.13	1,634.72	1,634.71	8.93	7.53	46.74	-2,563.44	-617.55	2,383.47	2,367.45	16.02	148.771	
1,800.00	1,734.20	1,722.30	1,722.30	9.58	7.87	47.48	-2,563.52	-617.63	2,350.78	2,333.86	16.92	138.974	
1,900.00	1,823.28	1,814.33	1,814.33	10.25	8.23	48.29	-2,563.62	-617.55	2,318.48	2,300.63	17.85	129.907	
2,000.00	1,912.36	1,910.30	1,910.29	10.94	8.61	49.15	-2,563.49	-617.47	2,286.42	2,267.61	18.81	121.542	
2,100.00	2,001.43	1,986.14	1,986.14	11.63	8.91	49.85	-2,563.48	-617.60	2,254.99	2,235.26	19.73	114.296	
2,200.00	2,090.51	2,074.19	2,074.18	12.34	9.26	50.68	-2,563.67	-617.92	2,224.33	2,203.62	20.71	107.422	
2,300.00	2,179.59	2,169.42	2,169.41	13.05	9.64	51.60	-2,563.74	-618.31	2,194.07	2,172.34	21.72	101.002	
2,400.00	2,268.66	2,261.50	2,261.49	13.76	10.01	52.52	-2,563.56	-618.60	2,164.09	2,141.35	22.74	95.150	
2,500.00	2,357.74	2,355.04	2,355.03	14.49	10.39	53.48	-2,563.34	-618.74	2,134.58	2,110.79	23.78	89.751	
2,600.00	2,446.82	2,447.21	2,447.20	15.21	10.76	54.43	-2,563.00	-618.57	2,105.40	2,080.57	24.83	84.786	
2,700.00	2,535.89	2,536.15	2,536.14	15.95	11.12	55.38	-2,562.66	-618.36	2,076.80	2,050.92	25.88	80.235	
2,800.00	2,624.97	2,624.85	2,624.84	16.68	11.48	56.34	-2,562.30	-618.19	2,048.80	2,021.85	26.95	76.025	
2,900.00	2,714.05	2,711.26	2,711.25	17.42	11.84	57.30	-2,562.10	-617.87	2,021.52	1,993.50	28.02	72.145	
3,000.00	2,803.12	2,795.13	2,795.12	18.16	12.18	58.25	-2,562.09	-617.59	1,995.08	1,965.98	29.10	68.568	
3,100.00	2,892.20	2,886.01	2,886.00	18.90	12.56	59.30	-2,562.03	-617.54	1,969.42	1,939.21	30.21	65.199	
3,200.00	2,981.28	2,975.80	2,975.78	19.65	12.93	60.38	-2,561.75	-617.70	1,944.41	1,913.09	31.32	62.073	
3,300.00	3,070.36	3,062.31	3,062.29	20.40	13.28	61.43	-2,561.54	-617.81	1,920.19	1,887.75	32.44	59.183	
3,400.00	3,159.43	3,147.38	3,147.36	21.14	13.64	62.48	-2,561.61	-617.78	1,896.92	1,863.35	33.57	56.504	
3,500.00	3,248.51	3,233.84	3,233.83	21.89	14.00	63.58	-2,561.77	-617.95	1,874.66	1,839.94	34.71	54.005	
3,600.00	3,337.59	3,323.27	3,323.25	22.65	14.37	64.72	-2,562.12	-617.91	1,853.25	1,817.38	35.87	51.663	
3,700.00	3,426.66	3,411.49	3,411.48	23.40	14.74	65.87	-2,562.53	-617.83	1,832.73	1,795.69	37.04	49.484	
3,800.00	3,515.74	3,498.77	3,498.75	24.15	15.10	67.02	-2,563.00	-617.79	1,813.17	1,774.97	38.21	47.457	
3,900.00	3,604.82	3,585.38	3,585.37	24.91	15.46	68.19	-2,563.58	-617.79	1,794.65	1,755.26	39.38	45.570	
4,000.00	3,693.89	3,673.30	3,673.28	25.66	15.83	69.39	-2,564.27	-617.85	1,777.17	1,736.60	40.57	43.806	
4,100.00	3,782.97	3,763.40	3,763.37	26.42	16.21	70.64	-2,565.00	-617.92	1,760.69	1,718.93	41.77	42.154	
4,200.00	3,872.05	3,854.08	3,854.05	27.18	16.59	71.92	-2,565.68	-617.94	1,745.14	1,702.17	42.97	40.610	
4,300.00	3,961.12	3,942.38	3,942.35	27.94	16.96	73.18	-2,566.38	-617.89	1,730.58	1,686.41	44.18	39.175	
4,400.00	4,050.20	4,029.50	4,029.46	28.69	17.33	74.44	-2,567.20	-617.89	1,717.21	1,671.83	45.38	37.843	
4,500.00	4,139.28	4,119.51	4,119.47	29.45	17.70	75.75	-2,568.15	-617.87	1,704.93	1,658.34	46.59	36.595	
4,600.00	4,228.35	4,211.76	4,211.72	30.21	18.09	77.10	-2,569.20	-617.64	1,693.64	1,645.83	47.81	35.425	
4,700.00	4,317.43	4,297.61	4,297.55	30.97	18.45	78.37	-2,570.24	-617.45	1,683.50	1,634.49	49.01	34.352	
4,800.00	4,406.51	4,389.10	4,389.04	31.73	18.84	79.75	-2,571.24	-617.36	1,674.51	1,624.28	50.22	33.341	
4,900.00	4,495.59	4,472.61	4,472.55	32.50	19.19	81.02	-2,571.93	-617.52	1,666.74	1,615.33	51.41	32.422	
5,000.00	4,584.66	4,561.28	4,561.22	33.26	19.57	82.39	-2,572.54	-618.09	1,660.41	1,607.80	52.61	31.562	

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

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,652.68	4,652.61	34.02	19.95	83.81	-2,573.19	-618.54	1,655.18	1,601.37	53.81	30.759	
5,200.00	4,762.82	4,747.73	4,747.66	34.78	20.35	85.28	-2,573.94	-618.77	1,651.01	1,595.99	55.02	30.006	
5,300.00	4,851.89	4,842.72	4,842.65	35.54	20.76	86.75	-2,574.79	-618.43	1,647.63	1,591.40	56.23	29.304	
5,400.00	4,940.97	4,932.34	4,932.26	36.31	21.14	88.14	-2,575.62	-617.99	1,645.34	1,587.95	57.40	28.665	
5,500.00	5,030.05	5,021.50	5,021.42	37.07	21.51	89.53	-2,576.27	-617.65	1,644.29	1,585.73	58.56	28.079	
5,537.55	5,063.49	5,055.31	5,055.22	37.36	21.66	90.06	-2,576.46	-617.55	1,644.20	1,585.21	58.99	27.871	
5,600.00	5,119.12	5,111.10	5,111.02	37.83	21.89	90.93	-2,576.73	-617.39	1,644.44	1,584.73	59.71	27.540	
5,700.00	5,208.20	5,197.98	5,197.90	38.60	22.26	92.29	-2,577.12	-617.24	1,645.89	1,585.05	60.84	27.054	
5,800.00	5,297.28	5,287.10	5,287.01	39.36	22.64	93.69	-2,577.48	-617.17	1,648.64	1,586.68	61.96	26.608	
5,900.00	5,386.35	5,376.49	5,376.40	40.13	23.02	95.09	-2,577.78	-617.13	1,652.61	1,589.54	63.07	26.203	
6,000.00	5,475.43	5,464.06	5,463.97	40.89	23.39	96.45	-2,578.05	-617.12	1,657.83	1,593.68	64.16	25.841	
6,100.00	5,564.51	5,551.90	5,551.81	41.66	23.76	97.81	-2,578.41	-617.19	1,664.37	1,599.15	65.23	25.517	
6,200.00	5,653.58	5,639.23	5,639.14	42.42	24.13	99.15	-2,578.75	-617.33	1,672.17	1,605.89	66.28	25.229	
6,300.00	5,742.66	5,725.25	5,725.16	43.19	24.50	100.47	-2,579.06	-617.62	1,681.29	1,613.98	67.31	24.979	
6,400.00	5,831.74	5,811.43	5,811.34	43.95	24.86	101.77	-2,579.36	-618.08	1,691.74	1,623.42	68.32	24.762	
6,500.00	5,920.82	5,898.29	5,898.19	44.72	25.23	103.08	-2,579.54	-618.70	1,703.47	1,634.16	69.32	24.575	
6,600.00	6,009.89	5,981.29	5,981.20	45.48	25.58	104.33	-2,579.52	-619.51	1,716.55	1,646.27	70.27	24.426	
6,700.00	6,098.97	6,066.27	6,066.16	46.25	25.94	105.59	-2,579.35	-620.63	1,731.01	1,659.78	71.22	24.304	
6,800.00	6,188.05	6,152.61	6,152.49	47.01	26.31	106.86	-2,579.18	-621.92	1,746.72	1,674.55	72.17	24.204	
6,900.00	6,277.12	6,240.32	6,240.19	47.78	26.68	108.13	-2,578.85	-623.33	1,763.59	1,690.48	73.10	24.124	
7,000.00	6,366.20	6,327.79	6,327.65	48.55	27.05	109.38	-2,578.43	-624.75	1,781.52	1,707.50	74.02	24.067	
7,100.00	6,455.28	6,412.62	6,412.46	49.31	27.41	110.58	-2,578.01	-626.27	1,800.63	1,725.72	74.91	24.037	
7,197.64	6,542.25	6,497.68	6,497.51	50.06	27.77	111.75	-2,577.57	-627.91	1,820.35	1,744.57	75.78	24.022	
7,200.00	6,544.35	6,499.74	6,499.56	50.08	27.78	111.40	-2,577.56	-627.96	1,820.83	1,745.03	75.80	24.022	
7,250.00	6,589.22	6,546.36	6,546.18	50.44	27.98	103.35	-2,577.29	-628.85	1,829.18	1,752.93	76.25	23.990	
7,300.00	6,634.48	6,593.47	6,593.28	50.77	28.18	94.52	-2,576.99	-629.69	1,833.83	1,757.15	76.67	23.917	
7,350.00	6,679.86	6,641.45	6,641.26	51.06	28.38	85.43	-2,576.66	-630.50	1,834.74	1,757.67	77.07	23.805	
7,400.00	6,725.09	6,689.44	6,689.23	51.31	28.59	76.70	-2,576.34	-631.22	1,831.91	1,754.48	77.44	23.657	
7,450.00	6,769.87	6,736.15	6,735.94	51.52	28.78	68.80	-2,576.00	-631.87	1,825.36	1,747.61	77.75	23.477	
7,500.00	6,813.94	6,781.84	6,781.62	51.69	28.98	62.02	-2,575.58	-632.45	1,815.15	1,737.13	78.02	23.266	
7,550.00	6,857.03	6,825.52	6,825.30	51.84	29.16	56.40	-2,575.08	-632.96	1,801.36	1,723.13	78.23	23.026	
7,600.00	6,898.86	6,867.26	6,867.03	51.95	29.34	51.89	-2,574.49	-633.45	1,784.09	1,705.69	78.39	22.758	
7,650.00	6,939.19	6,907.42	6,907.18	52.05	29.51	48.37	-2,573.81	-633.90	1,763.45	1,684.94	78.51	22.461	
7,700.00	6,977.75	6,940.09	6,939.84	52.13	29.65	45.59	-2,573.18	-634.33	1,739.65	1,661.11	78.54	22.149	
7,750.00	7,014.32	6,972.07	6,971.81	52.20	29.78	43.57	-2,572.49	-634.83	1,712.84	1,634.30	78.54	21.808	
7,800.00	7,048.67	7,002.32	7,002.05	52.26	29.91	42.19	-2,571.79	-635.38	1,683.17	1,604.65	78.51	21.438	
7,850.00	7,080.59	7,031.41	7,031.12	52.33	30.04	41.44	-2,571.05	-635.96	1,650.76	1,572.30	78.46	21.040	
7,900.00	7,109.87	7,146.24	7,053.46	52.39	30.53	41.13	-2,570.52	-636.38	1,615.74	1,537.00	78.74	20.521	
7,950.00	7,136.35	7,119.19	7,080.49	52.47	30.41	41.61	-2,569.64	-637.04	1,578.46	1,500.03	78.43	20.127	
8,000.00	7,159.85	7,104.99	7,104.66	52.55	30.35	42.75	-2,568.86	-637.63	1,538.96	1,460.79	78.16	19.689	
8,050.00	7,180.23	7,126.15	7,125.80	52.64	30.44	44.64	-2,568.17	-638.15	1,497.46	1,419.41	78.05	19.186	
8,100.00	7,197.37	7,144.16	7,143.79	52.75	30.52	47.48	-2,567.58	-638.59	1,454.19	1,376.26	77.93	18.661	
8,150.00	7,211.16	7,158.90	7,158.52	52.88	30.58	51.55	-2,567.10	-638.95	1,409.39	1,331.60	77.79	18.118	
8,200.00	7,221.51	7,170.29	7,169.89	53.03	30.63	57.30	-2,566.73	-639.22	1,363.32	1,285.67	77.65	17.557	
8,250.00	7,228.37	7,178.25	7,177.85	53.20	30.67	65.41	-2,566.48	-639.42	1,316.21	1,238.70	77.51	16.981	
8,300.00	7,231.68	7,182.73	7,182.33	53.40	30.69	76.72	-2,566.33	-639.53	1,268.33	1,190.96	77.37	16.393	
8,317.45	7,232.00	7,183.48	7,183.07	53.47	30.69	81.55	-2,566.31	-639.55	1,251.48	1,174.16	77.32	16.186	
8,400.00	7,232.48	7,185.98	7,185.57	53.86	30.70	82.00	-2,566.22	-639.61	1,171.86	1,094.78	77.08	15.202	
8,500.00	7,233.06	7,189.01	7,188.60	54.44	30.71	82.54	-2,566.13	-639.68	1,075.99	999.20	76.78	14.014	
8,600.00	7,233.64	7,192.04	7,191.63	55.14	30.73	83.08	-2,566.03	-639.75	980.93	904.46	76.47	12.828	
8,700.00	7,234.22	7,195.07	7,194.65	55.99	30.74	83.62	-2,565.93	-639.83	886.94	810.78	76.16	11.645	
8,800.00	7,234.80	7,198.10	7,197.68	57.00	30.75	84.17	-2,565.83	-639.90	794.42	718.52	75.90	10.466	

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

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,201.12	7,200.71	58.18	30.77	84.71	-2,565.73	-639.98	703.93	628.16	75.77	9.291	
9,000.00	7,235.97	7,204.15	7,203.73	59.53	30.78	85.25	-2,565.63	-640.05	616.37	540.46	75.91	8.120	
9,100.00	7,236.55	7,207.18	7,206.76	61.04	30.79	85.80	-2,565.53	-640.12	533.19	456.55	76.64	6.957	
9,200.00	7,237.13	7,210.21	7,209.79	62.69	30.81	86.35	-2,565.44	-640.20	456.78	378.28	78.50	5.819	
9,300.00	7,237.71	7,213.24	7,212.81	64.47	30.82	86.89	-2,565.34	-640.27	391.14	308.85	82.29	4.753	
9,400.00	7,238.29	7,216.27	7,215.84	66.36	30.83	87.44	-2,565.24	-640.35	342.51	254.07	88.44	3.873	
9,500.00	7,238.87	7,219.30	7,218.87	68.34	30.85	87.98	-2,565.14	-640.42	318.77	223.11	95.66	3.332	
9,528.55	7,239.04	7,220.17	7,219.73	68.93	30.85	88.14	-2,565.11	-640.44	317.49	220.02	97.48	3.257	CC, ES
9,600.00	7,239.45	7,222.33	7,221.90	70.41	30.86	88.53	-2,565.04	-640.49	325.43	224.64	100.79	3.229	SF
9,700.00	7,240.03	7,225.36	7,224.92	72.55	30.87	89.08	-2,564.94	-640.57	360.79	258.59	102.21	3.530	
9,800.00	7,240.61	7,228.39	7,227.95	74.76	30.89	89.62	-2,564.85	-640.64	417.64	316.52	101.12	4.130	
9,900.00	7,241.20	7,231.42	7,230.98	77.02	30.90	90.17	-2,564.75	-640.72	488.52	389.37	99.15	4.927	
10,000.00	7,241.78	7,234.45	7,234.00	79.33	30.91	90.71	-2,564.65	-640.79	568.21	471.05	97.16	5.848	
10,100.00	7,242.36	7,237.48	7,237.03	81.68	30.93	91.26	-2,564.55	-640.86	653.50	558.09	95.40	6.850	
10,200.00	7,242.94	7,240.51	7,240.06	84.07	30.94	91.80	-2,564.45	-640.94	742.45	648.51	93.94	7.903	
10,300.00	7,243.52	7,243.54	7,243.08	86.49	30.95	92.35	-2,564.35	-641.01	833.90	741.17	92.73	8.993	
10,400.00	7,244.10	7,246.57	7,246.11	88.95	30.97	92.89	-2,564.25	-641.09	927.11	835.37	91.73	10.106	
10,500.00	7,244.68	7,249.59	7,249.14	91.43	30.98	93.43	-2,564.16	-641.16	1,021.59	930.69	90.91	11.238	
10,600.00	7,245.26	7,252.62	7,252.16	93.93	30.99	93.97	-2,564.06	-641.23	1,117.03	1,026.81	90.22	12.382	
10,700.00	7,245.84	7,255.65	7,255.19	96.46	31.01	94.51	-2,563.96	-641.31	1,213.19	1,123.56	89.63	13.535	
10,800.00	7,246.42	7,258.68	7,258.22	99.01	31.02	95.05	-2,563.86	-641.38	1,309.93	1,220.79	89.13	14.696	
10,900.00	7,247.01	7,261.71	7,261.24	101.58	31.03	95.59	-2,563.76	-641.45	1,407.11	1,318.40	88.71	15.862	
11,000.00	7,247.59	7,264.74	7,264.27	104.16	31.05	96.13	-2,563.66	-641.53	1,504.65	1,416.31	88.34	17.032	
11,100.00	7,248.17	7,267.77	7,267.30	106.76	31.06	96.66	-2,563.57	-641.60	1,602.50	1,514.47	88.02	18.206	
11,200.00	7,248.75	7,270.80	7,270.33	109.37	31.07	97.20	-2,563.47	-641.68	1,700.58	1,612.84	87.74	19.381	
11,300.00	7,249.33	7,273.83	7,273.35	112.00	31.09	97.73	-2,563.37	-641.75	1,798.88	1,711.38	87.50	20.559	
11,400.00	7,249.91	7,276.86	7,276.38	114.64	31.10	98.26	-2,563.27	-641.82	1,897.34	1,810.06	87.28	21.737	
11,500.00	7,250.49	7,279.89	7,279.41	117.29	31.11	98.79	-2,563.17	-641.90	1,995.96	1,908.86	87.09	22.917	
11,600.00	7,251.07	7,282.92	7,282.43	119.95	31.13	99.32	-2,563.07	-641.97	2,094.70	2,007.77	86.93	24.097	
11,700.00	7,251.65	7,285.95	7,285.46	122.62	31.14	99.84	-2,562.97	-642.05	2,193.55	2,106.77	86.78	25.278	
11,800.00	7,252.23	7,288.98	7,288.49	125.30	31.15	100.36	-2,562.88	-642.12	2,292.50	2,205.85	86.64	26.459	
11,900.00	7,252.82	7,292.01	7,291.51	127.98	31.17	100.88	-2,562.78	-642.19	2,391.53	2,305.00	86.53	27.639	
12,000.00	7,253.40	7,295.04	7,294.54	130.68	31.18	101.40	-2,562.68	-642.27	2,490.63	2,404.21	86.42	28.820	
12,100.00	7,253.98	7,298.06	7,297.57	133.38	31.19	101.92	-2,562.58	-642.34	2,589.80	2,503.48	86.33	30.000	
12,200.00	7,254.56	7,301.09	7,300.59	136.09	31.21	102.43	-2,562.48	-642.42	2,689.03	2,602.79	86.24	31.179	
12,300.00	7,255.14	7,304.12	7,303.62	138.81	31.22	102.95	-2,562.38	-642.49	2,788.31	2,702.14	86.17	32.358	
12,400.00	7,255.72	7,307.15	7,306.65	141.53	31.23	103.46	-2,562.29	-642.56	2,887.64	2,801.53	86.11	33.536	
12,500.00	7,256.30	7,310.18	7,309.67	144.26	31.25	103.96	-2,562.19	-642.64	2,987.01	2,900.96	86.05	34.713	
12,600.00	7,256.88	7,313.21	7,312.70	146.99	31.26	104.47	-2,562.09	-642.71	3,086.41	3,000.42	86.00	35.890	
12,700.00	7,257.46	7,316.24	7,315.73	149.73	31.27	104.97	-2,561.99	-642.79	3,185.85	3,099.90	85.95	37.065	
12,800.00	7,258.04	7,319.27	7,318.76	152.47	31.29	105.47	-2,561.89	-642.86	3,285.33	3,199.41	85.91	38.240	
12,900.00	7,258.63	7,322.30	7,321.78	155.22	31.30	105.96	-2,561.79	-642.93	3,384.83	3,298.95	85.88	39.413	
13,000.00	7,259.21	7,325.33	7,324.81	157.97	31.31	106.46	-2,561.69	-643.01	3,484.35	3,398.50	85.85	40.585	
13,100.00	7,259.79	7,328.36	7,327.84	160.72	31.32	106.95	-2,561.60	-643.08	3,583.90	3,498.07	85.83	41.756	
13,200.00	7,260.37	7,331.39	7,330.86	163.48	31.34	107.44	-2,561.50	-643.16	3,683.47	3,597.66	85.81	42.926	
13,300.00	7,260.95	7,334.42	7,333.89	166.24	31.35	107.92	-2,561.40	-643.23	3,783.07	3,697.27	85.79	44.094	
13,400.00	7,261.53	7,337.45	7,336.92	169.01	31.36	108.41	-2,561.30	-643.30	3,882.68	3,796.89	85.78	45.261	
13,480.77	7,262.00	7,339.89	7,339.36	171.24	31.38	108.79	-2,561.22	-643.36	3,963.15	3,877.37	85.78	46.203	

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

Offset Design Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-154.30	-3,630.61	-1,747.28	4,029.38				
100.00	100.00	60.00	60.00	3.28	3.44	-154.30	-3,630.61	-1,747.28	4,029.18	4,022.45	6.73	598.880	
200.00	200.00	160.00	160.00	3.34	5.05	-154.30	-3,630.61	-1,747.28	4,029.18	4,020.79	8.39	480.393	
300.00	300.00	260.00	260.00	3.44	8.03	-154.30	-3,630.61	-1,747.28	4,029.18	4,017.71	11.48	351.087	
400.00	399.98	359.98	359.98	3.60	11.31	50.62	-3,630.61	-1,747.28	4,028.07	4,013.17	14.90	270.276	
500.00	499.84	459.84	459.84	3.79	14.68	50.73	-3,630.61	-1,747.28	4,024.75	4,006.29	18.47	217.963	
600.00	599.45	559.45	559.45	4.02	18.08	50.91	-3,630.61	-1,747.28	4,019.23	3,997.13	22.10	181.831	
700.00	698.70	658.70	658.70	4.29	21.50	51.16	-3,630.61	-1,747.28	4,011.54	3,985.75	25.79	155.542	
800.00	797.47	757.47	757.47	4.59	24.91	51.49	-3,630.61	-1,747.28	4,001.69	3,972.18	29.51	135.618	
900.00	895.62	855.62	855.62	4.93	28.31	51.89	-3,630.61	-1,747.28	3,989.72	3,956.48	33.24	120.023	
1,000.00	993.06	953.06	953.06	5.31	31.70	52.37	-3,630.61	-1,747.28	3,975.69	3,938.70	36.99	107.495	
1,100.00	1,089.64	1,049.64	1,049.64	5.72	35.05	52.91	-3,630.61	-1,747.28	3,959.64	3,918.91	40.73	97.214	
1,200.00	1,185.27	1,145.27	1,145.27	6.16	38.38	53.54	-3,630.61	-1,747.28	3,941.63	3,897.16	44.47	88.626	
1,300.00	1,279.82	1,239.82	1,239.82	6.64	41.67	54.24	-3,630.61	-1,747.28	3,921.75	3,873.53	48.21	81.345	
1,400.00	1,373.17	1,333.17	1,333.17	7.15	44.92	55.01	-3,630.61	-1,747.28	3,900.05	3,848.11	51.94	75.092	
1,500.00	1,465.21	1,425.21	1,425.21	7.70	48.12	55.85	-3,630.61	-1,747.28	3,876.63	3,820.98	55.65	69.662	
1,600.00	1,555.84	1,515.84	1,515.84	8.30	51.28	56.77	-3,630.61	-1,747.28	3,851.59	3,792.24	59.35	64.900	
1,651.50	1,601.92	1,561.92	1,561.92	8.62	52.88	57.27	-3,630.61	-1,747.28	3,838.09	3,776.85	61.24	62.670	
1,700.00	1,645.13	1,605.13	1,605.13	8.93	54.39	57.53	-3,630.61	-1,747.28	3,825.24	3,762.21	63.03	60.691	
1,800.00	1,734.20	1,705.80	1,694.20	9.58	57.90	58.06	-3,630.61	-1,747.28	3,799.00	3,731.88	67.13	56.594	
1,900.00	1,823.28	1,783.28	1,783.28	10.25	60.60	58.60	-3,630.61	-1,747.28	3,773.13	3,702.69	70.44	53.567	
2,000.00	1,912.36	1,872.36	1,872.36	10.94	63.70	59.15	-3,630.61	-1,747.28	3,747.63	3,673.46	74.17	50.528	
2,100.00	2,001.43	1,961.43	1,961.43	11.63	66.81	59.70	-3,630.61	-1,747.28	3,722.51	3,644.60	77.92	47.776	
2,200.00	2,090.51	2,050.51	2,050.51	12.34	69.91	60.26	-3,630.61	-1,747.28	3,697.78	3,616.11	81.67	45.275	
2,300.00	2,179.59	2,139.59	2,139.59	13.05	73.02	60.82	-3,630.61	-1,747.28	3,673.44	3,588.00	85.44	42.992	
2,400.00	2,268.66	2,228.66	2,228.66	13.76	76.13	61.40	-3,630.61	-1,747.28	3,649.51	3,560.28	89.23	40.902	
2,500.00	2,357.74	2,317.74	2,317.74	14.49	79.23	61.97	-3,630.61	-1,747.28	3,625.99	3,532.97	93.02	38.982	
2,600.00	2,446.82	2,406.82	2,406.82	15.21	82.34	62.56	-3,630.61	-1,747.28	3,602.89	3,506.07	96.82	37.213	
2,700.00	2,535.89	2,504.11	2,495.89	15.95	85.74	63.15	-3,630.61	-1,747.28	3,580.22	3,479.30	100.91	35.478	
2,800.00	2,624.97	2,584.97	2,584.97	16.68	88.56	63.74	-3,630.61	-1,747.28	3,557.98	3,453.54	104.44	34.066	
2,900.00	2,714.05	2,674.05	2,674.05	17.42	91.66	64.35	-3,630.61	-1,747.28	3,536.19	3,427.92	108.27	32.661	
3,000.00	2,803.12	2,763.12	2,763.12	18.16	94.77	64.95	-3,630.61	-1,747.28	3,514.85	3,402.75	112.10	31.355	
3,100.00	2,892.20	2,852.20	2,852.20	18.90	97.88	65.57	-3,630.61	-1,747.28	3,493.97	3,378.03	115.94	30.137	
3,200.00	2,981.28	2,941.28	2,941.28	19.65	100.99	66.19	-3,630.61	-1,747.28	3,473.56	3,353.78	119.78	28.999	
3,300.00	3,070.36	3,030.36	3,030.36	20.40	104.10	66.82	-3,630.61	-1,747.28	3,453.62	3,329.99	123.63	27.935	
3,400.00	3,159.43	3,119.43	3,119.43	21.14	107.20	67.45	-3,630.61	-1,747.28	3,434.18	3,306.69	127.49	26.938	
3,500.00	3,248.51	3,208.51	3,208.51	21.89	110.31	68.09	-3,630.61	-1,747.28	3,415.22	3,283.88	131.35	26.001	
3,600.00	3,337.59	3,302.41	3,297.59	22.65	113.59	68.73	-3,630.61	-1,747.28	3,396.77	3,261.39	135.38	25.090	
3,700.00	3,426.66	3,386.66	3,386.66	23.40	116.53	69.38	-3,630.61	-1,747.28	3,378.83	3,239.75	139.08	24.293	
3,800.00	3,515.74	3,475.74	3,475.74	24.15	119.64	70.04	-3,630.61	-1,747.28	3,361.41	3,218.45	142.96	23.513	
3,900.00	3,604.82	3,564.82	3,564.82	24.91	122.75	70.70	-3,630.61	-1,747.28	3,344.52	3,197.68	146.84	22.777	
4,000.00	3,693.89	3,653.89	3,653.89	25.66	125.85	71.37	-3,630.61	-1,747.28	3,328.16	3,177.43	150.72	22.081	
4,100.00	3,782.97	3,742.97	3,742.97	26.42	128.96	72.04	-3,630.61	-1,747.28	3,312.34	3,157.73	154.61	21.424	
4,200.00	3,872.05	3,832.05	3,832.05	27.18	132.07	72.71	-3,630.61	-1,747.28	3,297.07	3,138.57	158.50	20.801	
4,300.00	3,961.12	3,921.12	3,921.12	27.94	135.18	73.40	-3,630.61	-1,747.28	3,282.36	3,119.97	162.40	20.212	
4,400.00	4,050.20	4,010.20	4,010.20	28.69	138.29	74.08	-3,630.61	-1,747.28	3,268.22	3,101.93	166.29	19.653	
4,500.00	4,139.28	4,100.72	4,099.28	29.45	141.45	74.77	-3,630.61	-1,747.28	3,254.65	3,084.41	170.24	19.118	
4,600.00	4,228.35	4,188.35	4,188.35	30.21	144.51	75.47	-3,630.61	-1,747.28	3,241.66	3,067.57	174.10	18.620	
4,700.00	4,317.43	4,277.43	4,277.43	30.97	147.62	76.17	-3,630.61	-1,747.28	3,229.26	3,051.26	178.00	18.142	
4,800.00	4,406.51	4,366.51	4,366.51	31.73	150.73	76.87	-3,630.61	-1,747.28	3,217.45	3,035.55	181.91	17.687	
4,900.00	4,495.59	4,455.59	4,455.59	32.50	153.83	77.58	-3,630.61	-1,747.28	3,206.25	3,020.43	185.81	17.255	
5,000.00	4,584.66	4,544.66	4,544.66	33.26	156.94	78.30	-3,630.61	-1,747.28	3,195.65	3,005.92	189.72	16.844	

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

Offset Design Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,633.74	4,633.74	34.02	160.05	79.01	-3,630.61	-1,747.28	3,185.66	2,992.03	193.63	16.452	
5,200.00	4,762.82	4,722.82	4,722.82	34.78	163.16	79.73	-3,630.61	-1,747.28	3,176.29	2,978.75	197.54	16.079	
5,300.00	4,851.89	4,811.89	4,811.89	35.54	166.27	80.46	-3,630.61	-1,747.28	3,167.55	2,966.09	201.45	15.723	
5,400.00	4,940.97	4,900.97	4,900.97	36.31	169.38	81.18	-3,630.61	-1,747.28	3,159.43	2,954.07	205.36	15.385	
5,500.00	5,030.05	5,009.95	4,990.05	37.07	173.18	81.91	-3,630.61	-1,747.28	3,151.96	2,941.99	209.97	15.011	
5,600.00	5,119.12	5,079.12	5,079.12	37.83	175.60	82.64	-3,630.61	-1,747.28	3,145.11	2,931.93	213.18	14.753	
5,700.00	5,208.20	5,168.20	5,168.20	38.60	178.71	83.38	-3,630.61	-1,747.28	3,138.92	2,921.83	217.09	14.459	
5,800.00	5,297.28	5,257.28	5,257.28	39.36	181.82	84.11	-3,630.61	-1,747.28	3,133.37	2,912.37	221.00	14.178	
5,900.00	5,386.35	5,346.35	5,346.35	40.13	184.93	84.85	-3,630.61	-1,747.28	3,128.47	2,903.56	224.90	13.910	
6,000.00	5,475.43	5,435.43	5,435.43	40.89	188.03	85.59	-3,630.61	-1,747.28	3,124.22	2,895.41	228.81	13.654	
6,100.00	5,564.51	5,524.51	5,524.51	41.66	191.14	86.33	-3,630.61	-1,747.28	3,120.63	2,887.92	232.71	13.410	
6,200.00	5,653.58	5,613.58	5,613.58	42.42	194.25	87.08	-3,630.61	-1,747.28	3,117.70	2,881.09	236.61	13.177	
6,300.00	5,742.66	5,702.66	5,702.66	43.19	197.36	87.82	-3,630.61	-1,747.28	3,115.43	2,874.92	240.50	12.954	
6,400.00	5,831.74	5,808.26	5,791.74	43.95	201.05	88.56	-3,630.61	-1,747.28	3,113.82	2,868.85	244.97	12.711	
6,500.00	5,920.82	5,880.82	5,880.82	44.72	203.58	89.31	-3,630.61	-1,747.28	3,112.87	2,864.59	248.28	12.538	
6,592.82	6,003.50	5,963.50	5,963.50	45.43	206.47	90.00	-3,630.61	-1,747.28	3,112.58	2,860.70	251.89	12.357	
6,600.00	6,009.89	5,969.89	5,969.89	45.48	206.69	90.05	-3,630.61	-1,747.28	3,112.58	2,860.42	252.17	12.343	
6,700.00	6,098.97	6,058.97	6,058.97	46.25	209.80	90.80	-3,630.61	-1,747.28	3,112.96	2,856.92	256.05	12.158	
6,800.00	6,188.05	6,148.05	6,148.05	47.01	212.91	91.54	-3,630.61	-1,747.28	3,114.01	2,854.09	259.92	11.981	
6,900.00	6,277.12	6,237.12	6,237.12	47.78	216.02	92.29	-3,630.61	-1,747.28	3,115.71	2,851.92	263.79	11.811	
7,000.00	6,366.20	6,326.20	6,326.20	48.55	219.13	93.03	-3,630.61	-1,747.28	3,118.08	2,850.42	267.66	11.649	
7,100.00	6,455.28	6,415.28	6,415.28	49.31	222.24	93.77	-3,630.61	-1,747.28	3,121.11	2,849.59	271.52	11.495	
7,197.64	6,542.25	6,502.25	6,502.25	50.06	225.27	94.50	-3,630.61	-1,747.28	3,124.70	2,849.41	275.28	11.351	
7,200.00	6,544.35	6,504.35	6,504.35	50.08	225.35	94.13	-3,630.61	-1,747.28	3,124.79	2,849.41	275.37	11.347	
7,250.00	6,589.22	6,549.22	6,549.22	50.44	226.91	85.81	-3,630.61	-1,747.28	3,124.83	2,847.54	277.29	11.269	
7,300.00	6,634.48	6,605.52	6,594.48	50.77	228.88	76.60	-3,630.61	-1,747.28	3,121.29	2,841.71	279.58	11.164	
7,350.00	6,679.86	6,639.86	6,639.86	51.06	230.08	67.02	-3,630.61	-1,747.28	3,114.16	2,833.10	281.06	11.080	
7,400.00	6,725.09	6,685.09	6,685.09	51.31	231.65	57.66	-3,630.61	-1,747.28	3,103.46	2,820.58	282.88	10.971	
7,450.00	6,769.87	6,729.87	6,729.87	51.52	233.22	49.01	-3,630.61	-1,747.28	3,089.24	2,804.59	284.64	10.853	
7,500.00	6,813.94	6,773.94	6,773.94	51.69	234.76	41.32	-3,630.61	-1,747.28	3,071.55	2,785.20	286.35	10.727	
7,550.00	6,857.03	6,817.03	6,817.03	51.84	236.26	34.63	-3,630.61	-1,747.28	3,050.49	2,762.51	287.98	10.593	
7,600.00	6,898.86	6,858.86	6,858.86	51.95	237.72	28.82	-3,630.61	-1,747.28	3,026.17	2,736.63	289.55	10.451	
7,650.00	6,939.19	6,900.81	6,899.19	52.05	239.18	23.74	-3,630.61	-1,747.28	2,998.71	2,707.62	291.09	10.302	
7,700.00	6,977.75	6,937.75	6,937.75	52.13	240.47	19.18	-3,630.61	-1,747.28	2,968.27	2,675.83	292.44	10.150	
7,750.00	7,014.32	6,974.32	6,974.32	52.20	241.75	14.96	-3,630.61	-1,747.28	2,935.02	2,641.25	293.77	9.991	
7,800.00	7,048.67	7,008.67	7,008.67	52.26	242.95	10.89	-3,630.61	-1,747.28	2,899.15	2,604.14	295.01	9.827	
7,850.00	7,080.59	7,040.59	7,040.59	52.33	244.06	6.78	-3,630.61	-1,747.28	2,860.86	2,564.71	296.15	9.660	
7,900.00	7,109.87	7,069.87	7,069.87	52.39	245.09	2.38	-3,630.61	-1,747.28	2,820.40	2,523.19	297.21	9.490	
7,950.00	7,136.35	7,103.65	7,096.35	52.47	246.27	-2.59	-3,630.61	-1,747.28	2,778.00	2,479.58	298.42	9.309	
8,000.00	7,159.85	7,119.85	7,119.85	52.55	246.83	-8.51	-3,630.61	-1,747.28	2,733.92	2,434.91	299.02	9.143	
8,050.00	7,180.23	7,140.23	7,140.23	52.64	247.54	-15.90	-3,630.61	-1,747.28	2,688.45	2,388.68	299.77	8.968	
8,100.00	7,197.37	7,157.37	7,157.37	52.75	248.14	-25.43	-3,630.61	-1,747.28	2,641.87	2,341.45	300.42	8.794	
8,150.00	7,211.16	7,171.16	7,171.16	52.88	248.62	-37.73	-3,630.61	-1,747.28	2,594.48	2,293.51	300.97	8.620	
8,200.00	7,221.51	7,181.51	7,181.51	53.03	248.98	-52.79	-3,630.61	-1,747.28	2,546.59	2,245.19	301.41	8.449	
8,250.00	7,228.37	7,188.37	7,188.37	53.20	249.22	-69.17	-3,630.61	-1,747.28	2,498.52	2,196.79	301.74	8.280	
8,300.00	7,231.68	7,208.32	7,191.68	53.40	249.92	-84.33	-3,630.61	-1,747.28	2,450.60	2,148.05	302.55	8.100	
8,317.45	7,232.00	7,208.00	7,192.00	53.47	249.91	-88.97	-3,630.61	-1,747.28	2,433.96	2,131.39	302.58	8.044	
8,400.00	7,232.48	7,207.52	7,192.48	53.86	249.89	-89.01	-3,630.61	-1,747.28	2,355.58	2,052.80	302.78	7.780	
8,500.00	7,233.06	7,206.94	7,193.06	54.44	249.87	-89.05	-3,630.61	-1,747.28	2,261.03	1,957.96	303.07	7.460	
8,600.00	7,233.64	7,206.36	7,193.64	55.14	249.85	-89.10	-3,630.61	-1,747.28	2,166.96	1,863.55	303.41	7.142	
8,700.00	7,234.22	7,205.78	7,194.22	55.99	249.83	-89.14	-3,630.61	-1,747.28	2,073.45	1,769.64	303.82	6.825	
8,800.00	7,234.80	7,205.20	7,194.80	57.00	249.81	-89.19	-3,630.61	-1,747.28	1,980.58	1,676.29	304.29	6.509	

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

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

Offset Design Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,204.61	7,195.39	58.18	249.79	-89.23	-3,630.61	-1,747.28	1,888.43	1,583.59	304.84	6.195	
9,000.00	7,235.97	7,204.03	7,195.97	59.53	249.77	-89.28	-3,630.61	-1,747.28	1,797.12	1,491.63	305.49	5.883	
9,100.00	7,236.55	7,203.45	7,196.55	61.04	249.75	-89.32	-3,630.61	-1,747.28	1,706.79	1,400.52	306.26	5.573	
9,200.00	7,237.13	7,202.87	7,197.13	62.69	249.73	-89.37	-3,630.61	-1,747.28	1,617.59	1,310.42	307.17	5.266	
9,300.00	7,237.71	7,202.29	7,197.71	64.47	249.71	-89.41	-3,630.61	-1,747.28	1,529.73	1,221.49	308.24	4.963	
9,400.00	7,238.29	7,201.71	7,198.29	66.36	249.69	-89.45	-3,630.61	-1,747.28	1,443.45	1,133.94	309.51	4.664	
9,500.00	7,238.87	7,201.13	7,198.87	68.34	249.67	-89.50	-3,630.61	-1,747.28	1,359.05	1,048.05	311.00	4.370	
9,600.00	7,239.45	7,200.55	7,199.45	70.41	249.65	-89.54	-3,630.61	-1,747.28	1,276.90	964.14	312.76	4.083	
9,700.00	7,240.03	7,200.03	7,200.03	72.55	249.63	-89.59	-3,630.61	-1,747.28	1,197.48	882.65	314.83	3.804	
9,800.00	7,240.61	7,200.61	7,200.61	74.76	249.65	-89.63	-3,630.61	-1,747.28	1,121.35	804.07	317.28	3.534	
9,900.00	7,241.20	7,201.20	7,201.20	77.02	249.67	-89.68	-3,630.61	-1,747.28	1,049.23	729.13	320.10	3.278	
10,000.00	7,241.78	7,201.78	7,201.78	79.33	249.69	-89.72	-3,630.61	-1,747.28	982.02	658.72	323.29	3.038	
10,100.00	7,242.36	7,202.36	7,202.36	81.68	249.71	-89.76	-3,630.61	-1,747.28	920.77	593.94	326.83	2.817	
10,200.00	7,242.94	7,202.94	7,202.94	84.07	249.73	-89.81	-3,630.61	-1,747.28	866.77	536.15	330.62	2.622	
10,300.00	7,243.52	7,203.52	7,203.52	86.49	249.75	-89.85	-3,630.61	-1,747.28	821.44	486.97	334.47	2.456	
10,400.00	7,244.10	7,204.10	7,204.10	88.95	249.77	-89.90	-3,630.61	-1,747.28	786.27	448.16	338.11	2.326	
10,500.00	7,244.68	7,204.68	7,204.68	91.43	249.79	-89.94	-3,630.61	-1,747.28	762.69	421.49	341.20	2.235	
10,600.00	7,245.26	7,205.26	7,205.26	93.93	249.81	-89.99	-3,630.61	-1,747.28	751.77	408.36	343.41	2.189	
10,632.68	7,245.45	7,205.45	7,205.45	94.76	249.82	-90.00	-3,630.61	-1,747.28	751.06	407.16	343.90	2.184	CC, ES, SF
10,700.00	7,245.84	7,205.84	7,205.84	96.46	249.83	-90.03	-3,630.61	-1,747.28	754.07	409.56	344.50	2.189	
10,800.00	7,246.42	7,206.42	7,206.42	99.01	249.85	-90.07	-3,630.61	-1,747.28	769.47	425.03	344.44	2.234	
10,900.00	7,247.01	7,207.01	7,207.01	101.58	249.87	-90.12	-3,630.61	-1,747.28	797.21	453.87	343.34	2.322	
11,000.00	7,247.59	7,207.59	7,207.59	104.16	249.89	-90.16	-3,630.61	-1,747.28	836.07	494.60	341.47	2.448	
11,100.00	7,248.17	7,208.17	7,208.17	106.76	249.91	-90.21	-3,630.61	-1,747.28	884.57	545.45	339.12	2.608	
11,200.00	7,248.75	7,208.75	7,208.75	109.37	249.93	-90.25	-3,630.61	-1,747.28	941.24	604.68	336.56	2.797	
11,300.00	7,249.33	7,209.33	7,209.33	112.00	249.95	-90.30	-3,630.61	-1,747.28	1,004.68	670.72	333.96	3.008	
11,400.00	7,249.91	7,209.91	7,209.91	114.64	249.97	-90.34	-3,630.61	-1,747.28	1,073.71	742.25	331.46	3.239	
11,500.00	7,250.49	7,210.49	7,210.49	117.29	249.99	-90.38	-3,630.61	-1,747.28	1,147.30	818.18	329.12	3.486	
11,600.00	7,251.07	7,211.07	7,211.07	119.95	250.02	-90.43	-3,630.61	-1,747.28	1,224.65	897.66	326.98	3.745	
11,700.00	7,251.65	7,211.65	7,211.65	122.62	250.04	-90.47	-3,630.61	-1,747.28	1,305.07	980.03	325.05	4.015	
11,800.00	7,252.23	7,212.23	7,212.23	125.30	250.06	-90.52	-3,630.61	-1,747.28	1,388.05	1,064.74	323.31	4.293	
11,900.00	7,252.82	7,212.82	7,212.82	127.98	250.08	-90.56	-3,630.61	-1,747.28	1,473.14	1,151.38	321.76	4.578	
12,000.00	7,253.40	7,213.40	7,213.40	130.68	250.10	-90.61	-3,630.61	-1,747.28	1,560.00	1,239.62	320.37	4.869	
12,100.00	7,253.98	7,213.98	7,213.98	133.38	250.12	-90.65	-3,630.61	-1,747.28	1,648.34	1,329.21	319.14	5.165	
12,200.00	7,254.56	7,214.56	7,214.56	136.09	250.14	-90.69	-3,630.61	-1,747.28	1,737.96	1,419.92	318.04	5.465	
12,300.00	7,255.14	7,215.14	7,215.14	138.81	250.16	-90.74	-3,630.61	-1,747.28	1,828.65	1,511.59	317.05	5.768	
12,400.00	7,255.72	7,215.72	7,215.72	141.53	250.18	-90.78	-3,630.61	-1,747.28	1,920.26	1,604.08	316.18	6.073	
12,500.00	7,256.30	7,216.30	7,216.30	144.26	250.20	-90.83	-3,630.61	-1,747.28	2,012.67	1,697.28	315.39	6.382	
12,600.00	7,256.88	7,216.88	7,216.88	146.99	250.22	-90.87	-3,630.61	-1,747.28	2,105.78	1,791.09	314.68	6.692	
12,700.00	7,257.46	7,217.46	7,217.46	149.73	250.24	-90.92	-3,630.61	-1,747.28	2,199.49	1,885.44	314.05	7.004	
12,800.00	7,258.04	7,218.04	7,218.04	152.47	250.26	-90.96	-3,630.61	-1,747.28	2,293.73	1,980.25	313.48	7.317	
12,900.00	7,258.63	7,218.63	7,218.63	155.22	250.28	-91.00	-3,630.61	-1,747.28	2,388.44	2,075.48	312.96	7.632	
13,000.00	7,259.21	7,219.21	7,219.21	157.97	250.30	-91.05	-3,630.61	-1,747.28	2,483.57	2,171.07	312.50	7.947	
13,100.00	7,259.79	7,219.79	7,219.79	160.72	250.32	-91.09	-3,630.61	-1,747.28	2,579.06	2,266.98	312.08	8.264	
13,200.00	7,260.37	7,220.37	7,220.37	163.48	250.34	-91.14	-3,630.61	-1,747.28	2,674.88	2,363.19	311.69	8.582	
13,300.00	7,260.95	7,220.95	7,220.95	166.24	250.36	-91.18	-3,630.61	-1,747.28	2,771.00	2,459.65	311.35	8.900	
13,400.00	7,261.53	7,221.53	7,221.53	169.01	250.38	-91.23	-3,630.61	-1,747.28	2,867.38	2,556.35	311.03	9.219	
13,480.77	7,262.00	7,222.00	7,222.00	171.24	250.40	-91.26	-3,630.61	-1,747.28	2,945.41	2,634.61	310.80	9.477	

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

Offset Design Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 342-MWD+IFR1

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	0.00	133.24	-477.60	507.82	697.21				
100.00	100.00	93.74	93.74	3.28	0.21	133.27	-477.63	507.35	696.82	693.33	3.49	199.517	
200.00	200.00	199.05	199.03	3.34	0.44	133.37	-477.74	505.71	695.76	691.98	3.78	184.150	
300.00	300.00	304.30	304.25	3.44	0.68	133.54	-477.93	502.89	693.94	689.81	4.12	168.336	
400.00	399.98	411.63	411.51	3.60	1.07	-21.49	-477.48	499.35	689.64	684.97	4.67	147.664	
500.00	499.84	514.74	514.56	3.79	1.51	-21.74	-474.78	496.80	681.18	675.87	5.31	128.173	
600.00	599.45	616.03	615.76	4.02	1.95	-22.21	-471.20	494.70	669.18	663.19	5.99	111.744	
700.00	698.70	716.60	716.22	4.29	2.39	-22.93	-466.78	493.01	653.73	647.03	6.69	97.662	
800.00	797.47	816.25	815.73	4.59	2.82	-23.91	-461.56	491.71	634.91	627.48	7.42	85.514	
900.00	895.62	913.76	913.06	4.93	3.25	-25.16	-455.96	490.68	612.99	604.82	8.17	74.999	
1,000.00	993.06	1,014.22	1,013.34	5.31	3.69	-26.72	-449.94	489.17	587.75	578.79	8.96	65.575	
1,100.00	1,089.64	1,116.16	1,115.09	5.72	4.14	-28.48	-444.80	485.99	559.23	549.45	9.78	57.164	
1,200.00	1,185.27	1,230.26	1,228.75	6.16	4.65	-30.89	-437.51	479.24	525.24	514.56	10.68	49.202	
1,300.00	1,279.82	1,335.09	1,332.80	6.64	5.12	-34.01	-427.73	471.02	486.01	474.47	11.54	42.127	
1,400.00	1,373.17	1,434.02	1,430.53	7.15	5.57	-38.23	-415.21	462.22	442.67	430.28	12.39	35.731	
1,500.00	1,465.21	1,522.59	1,517.58	7.70	5.97	-43.63	-401.17	453.95	396.84	383.59	13.25	29.952	
1,600.00	1,555.84	1,601.31	1,594.68	8.30	6.33	-50.26	-386.77	447.23	351.55	337.38	14.17	24.818	
1,651.50	1,601.92	1,639.89	1,632.46	8.62	6.51	-54.19	-379.53	444.31	329.59	314.91	14.68	22.454	
1,700.00	1,645.13	1,680.28	1,671.98	8.93	6.70	-58.38	-371.73	441.33	310.28	295.09	15.19	20.424	
1,800.00	1,734.20	1,760.43	1,750.16	9.58	7.07	-67.98	-355.41	434.58	276.05	259.70	16.35	16.887	
1,900.00	1,823.28	1,839.88	1,827.77	10.25	7.45	-78.77	-340.07	427.26	252.85	235.27	17.58	14.385	
2,000.00	1,912.36	1,915.68	1,901.92	10.94	7.80	-89.80	-326.01	420.21	244.06	225.33	18.73	13.030	
2,002.57	1,914.64	1,917.61	1,903.81	10.95	7.81	-90.09	-325.65	420.04	244.05	225.29	18.76	13.011	CC, ES
2,100.00	2,001.43	1,990.70	1,975.34	11.63	8.16	-100.72	-311.88	414.00	251.99	232.35	19.64	12.832	SF
2,200.00	2,090.51	2,067.12	2,049.97	12.34	8.53	-111.11	-296.62	408.03	275.36	255.06	20.30	13.565	
2,300.00	2,179.59	2,150.56	2,131.60	13.05	8.92	-120.94	-280.76	401.05	309.31	288.40	20.92	14.786	
2,400.00	2,268.66	2,225.06	2,204.54	13.76	9.28	-128.23	-266.87	395.08	351.16	329.77	21.39	16.414	
2,500.00	2,357.74	2,297.67	2,275.62	14.49	9.63	-134.05	-252.88	390.05	399.16	377.30	21.86	18.261	
2,600.00	2,446.82	2,377.72	2,353.92	15.21	10.01	-139.20	-236.96	385.40	451.41	428.92	22.48	20.077	
2,700.00	2,535.89	2,458.32	2,432.96	15.95	10.39	-143.40	-221.87	380.74	505.11	481.96	23.15	21.815	
2,800.00	2,624.97	2,531.29	2,504.48	16.68	10.74	-146.52	-207.87	376.83	560.90	537.17	23.74	23.629	
2,900.00	2,714.05	2,599.58	2,571.21	17.42	11.07	-148.99	-193.86	373.31	618.97	594.69	24.27	25.499	
3,000.00	2,803.12	2,684.07	2,653.73	18.16	11.47	-151.57	-176.23	368.84	678.20	653.11	25.09	27.029	
3,100.00	2,892.20	2,758.00	2,725.98	18.90	11.83	-153.53	-161.24	364.40	737.70	711.95	25.76	28.641	
3,200.00	2,981.28	2,836.85	2,802.92	19.65	12.21	-155.41	-144.89	358.77	798.20	771.69	26.51	30.110	
3,300.00	3,070.36	2,920.11	2,884.26	20.40	12.62	-157.16	-128.34	352.35	858.55	831.22	27.34	31.407	
3,400.00	3,159.43	3,009.59	2,971.76	21.14	13.05	-158.84	-111.17	344.83	918.90	890.64	28.26	32.520	
3,500.00	3,248.51	3,117.49	3,077.78	21.89	13.57	-160.58	-93.24	335.98	977.47	948.05	29.42	33.223	
3,600.00	3,337.59	3,211.71	3,170.74	22.65	14.01	-161.87	-79.61	328.88	1,034.55	1,004.16	30.39	34.042	
3,700.00	3,426.66	3,312.24	3,270.15	23.40	14.48	-163.01	-65.99	322.87	1,090.94	1,059.50	31.44	34.703	
3,800.00	3,515.74	3,428.21	3,385.24	24.15	15.01	-164.15	-53.16	316.59	1,145.37	1,112.72	32.65	35.083	
3,900.00	3,604.82	3,545.93	3,502.42	24.91	15.53	-165.16	-43.49	310.95	1,197.50	1,163.65	33.85	35.378	
4,000.00	3,693.89	3,651.72	3,607.92	25.66	15.99	-165.90	-36.46	307.73	1,248.18	1,213.28	34.90	35.760	
4,100.00	3,782.97	3,772.62	3,728.70	26.42	16.50	-166.52	-31.09	307.67	1,296.34	1,260.25	36.10	35.915	
4,200.00	3,872.05	3,865.96	3,821.98	27.18	16.89	-166.91	-27.94	308.77	1,343.51	1,306.49	37.02	36.296	
4,300.00	3,961.12	3,962.07	3,918.04	27.94	17.29	-167.29	-24.99	309.91	1,390.47	1,352.51	37.96	36.628	
4,400.00	4,050.20	4,059.96	4,015.91	28.69	17.70	-167.70	-23.03	310.04	1,436.76	1,397.84	38.92	36.911	
4,500.00	4,139.28	4,152.30	4,108.24	29.45	18.08	-168.10	-21.74	309.66	1,482.70	1,442.86	39.84	37.217	
4,600.00	4,228.35	4,266.30	4,222.23	30.21	18.55	-168.56	-21.05	309.02	1,528.10	1,487.17	40.93	37.334	
4,700.00	4,317.43	4,366.16	4,322.07	30.97	18.94	-169.01	-22.26	307.31	1,572.19	1,530.31	41.88	37.539	
4,800.00	4,406.51	4,473.77	4,429.64	31.73	19.36	-169.46	-24.43	305.53	1,615.64	1,572.75	42.89	37.673	
4,900.00	4,495.59	4,582.26	4,538.07	32.50	19.78	-169.87	-28.00	304.62	1,657.79	1,613.90	43.89	37.772	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 342-MWD+IFR1

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,656.05	4,611.82	33.26	20.07	-170.13	-30.22	304.20	1,700.22	1,655.59	44.63	38.097	
5,100.00	4,673.74	4,726.39	4,682.15	34.02	20.34	-170.35	-31.49	304.03	1,743.63	1,698.29	45.34	38.458	
5,200.00	4,762.82	4,809.45	4,765.21	34.78	20.67	-170.57	-32.13	304.26	1,787.83	1,741.68	46.15	38.738	
5,300.00	4,851.89	4,899.66	4,855.42	35.54	21.03	-170.79	-32.66	304.86	1,832.13	1,785.10	47.03	38.959	
5,400.00	4,940.97	4,992.99	4,948.74	36.31	21.40	-171.01	-33.35	305.41	1,876.33	1,828.40	47.93	39.148	
5,500.00	5,030.05	5,086.89	5,042.64	37.07	21.77	-171.23	-34.35	305.73	1,920.34	1,871.50	48.84	39.320	
5,600.00	5,119.12	5,168.74	5,124.48	37.83	22.10	-171.43	-35.32	305.82	1,964.34	1,914.69	49.65	39.563	
5,700.00	5,208.20	5,240.87	5,196.60	38.60	22.39	-171.61	-35.86	305.13	2,009.00	1,958.62	50.38	39.874	
5,800.00	5,297.28	5,308.77	5,264.50	39.36	22.67	-171.77	-35.67	304.53	2,054.56	2,003.48	51.08	40.221	
5,900.00	5,386.35	5,388.02	5,343.74	40.13	23.01	-171.93	-34.76	303.98	2,100.80	2,048.91	51.89	40.485	
6,000.00	5,475.43	5,470.87	5,426.58	40.89	23.36	-172.11	-33.64	302.97	2,147.36	2,094.63	52.73	40.722	
6,100.00	5,564.51	5,589.47	5,545.15	41.66	23.86	-172.38	-32.70	300.91	2,193.70	2,139.79	53.91	40.692	
6,200.00	5,653.58	5,729.04	5,684.70	42.42	24.43	-172.62	-34.26	301.25	2,237.62	2,182.39	55.24	40.509	
6,300.00	5,742.66	5,806.29	5,761.95	43.19	24.74	-172.76	-35.62	301.24	2,281.29	2,225.28	56.02	40.726	
6,400.00	5,831.74	5,875.31	5,830.96	43.95	25.02	-172.85	-36.03	301.94	2,325.66	2,268.94	56.72	41.000	
6,500.00	5,920.82	5,956.01	5,911.65	44.72	25.35	-172.94	-35.82	303.17	2,370.61	2,313.08	57.54	41.201	
6,600.00	6,009.89	6,037.24	5,992.87	45.48	25.69	-173.04	-35.52	303.84	2,415.87	2,357.51	58.36	41.397	
6,700.00	6,098.97	6,130.32	6,085.95	46.25	26.08	-173.16	-35.11	304.33	2,461.27	2,401.98	59.29	41.513	
6,800.00	6,188.05	6,234.57	6,190.20	47.01	26.51	-173.30	-35.24	304.58	2,506.29	2,445.98	60.32	41.553	
6,900.00	6,277.12	6,319.74	6,275.37	47.78	26.85	-173.42	-35.70	304.62	2,551.03	2,489.87	61.17	41.706	
7,000.00	6,366.20	6,401.70	6,357.33	48.55	27.19	-173.53	-35.95	304.43	2,596.06	2,534.06	61.99	41.875	
7,100.00	6,455.28	7,768.97	7,236.33	49.31	35.91	-158.53	-22.63	1,063.23	2,631.98	2,558.39	73.59	35.765	
7,197.64	6,542.25	7,789.71	7,236.93	50.06	36.20	-158.08	-21.91	1,083.95	2,646.64	2,571.83	74.80	35.381	
7,200.00	6,544.35	7,790.21	7,236.94	50.08	36.21	-158.49	-21.89	1,084.44	2,647.03	2,572.20	74.83	35.373	
7,250.00	6,589.22	7,798.50	7,237.17	50.44	36.33	-167.81	-21.60	1,092.72	2,655.84	2,580.47	75.37	35.236	
7,300.00	6,634.48	7,803.08	7,237.29	50.77	36.40	-178.05	-21.45	1,097.31	2,665.45	2,589.63	75.82	35.154	
7,350.00	6,679.86	7,803.29	7,237.30	51.06	36.40	171.28	-21.44	1,097.52	2,675.80	2,599.64	76.16	35.133	
7,400.00	6,725.09	7,798.87	7,237.18	51.31	36.33	160.79	-21.59	1,093.10	2,686.83	2,610.44	76.39	35.172	
7,450.00	6,769.87	7,791.01	7,236.96	51.52	36.22	151.00	-21.86	1,085.24	2,698.44	2,621.91	76.53	35.258	
7,500.00	6,813.94	7,779.29	7,236.63	51.69	36.05	142.17	-22.27	1,073.54	2,710.52	2,633.93	76.59	35.391	
7,550.00	6,857.03	7,763.84	7,236.18	51.84	35.83	134.38	-22.80	1,058.10	2,722.94	2,646.39	76.56	35.567	
7,600.00	6,898.86	7,744.78	7,235.58	51.95	35.56	127.56	-23.46	1,039.06	2,735.56	2,659.11	76.45	35.781	
7,650.00	6,939.19	7,722.28	7,234.84	52.05	35.24	121.61	-24.23	1,016.58	2,748.23	2,671.95	76.28	36.029	
7,700.00	6,977.75	7,709.00	7,234.38	52.13	35.05	116.62	-24.68	1,003.32	2,760.80	2,684.53	76.27	36.196	
7,750.00	7,014.32	7,709.00	7,234.38	52.20	35.05	112.51	-24.68	1,003.32	2,773.35	2,696.83	76.52	36.244	
7,800.00	7,048.67	7,686.49	7,233.61	52.26	34.75	108.59	-25.24	980.84	2,785.52	2,709.12	76.40	36.459	
7,850.00	7,080.59	7,675.88	7,233.25	52.33	34.62	105.33	-25.36	970.23	2,797.50	2,720.98	76.51	36.563	
7,900.00	7,109.87	7,657.00	7,232.62	52.39	34.37	102.37	-25.35	951.36	2,809.11	2,732.59	76.51	36.714	
7,950.00	7,136.35	7,641.86	7,232.07	52.47	34.19	99.84	-25.23	936.23	2,820.14	2,743.50	76.64	36.797	
8,000.00	7,159.85	7,600.14	7,230.15	52.55	33.70	97.36	-24.87	894.55	2,830.27	2,753.89	76.38	37.053	
8,050.00	7,180.23	7,544.00	7,226.25	52.64	33.07	95.13	-24.40	838.57	2,839.27	2,763.30	75.97	37.375	
8,100.00	7,197.37	7,372.83	7,182.20	52.75	31.49	91.83	-26.78	673.71	2,846.06	2,772.07	73.99	38.466	
8,150.00	7,211.16	7,280.00	7,141.28	52.88	30.87	89.67	-31.06	590.61	2,850.08	2,776.75	73.33	38.865	
8,200.00	7,221.51	7,260.19	7,130.76	53.03	30.77	88.78	-32.09	573.85	2,852.63	2,778.92	73.71	38.699	
8,250.00	7,228.37	7,242.85	7,120.92	53.20	30.67	88.16	-32.87	559.60	2,854.09	2,779.91	74.18	38.474	
8,300.00	7,231.68	7,225.67	7,110.61	53.40	30.58	87.78	-33.54	545.88	2,854.44	2,779.73	74.71	38.207	
8,317.45	7,232.00	7,219.71	7,106.90	53.47	30.55	87.70	-33.74	541.22	2,854.29	2,779.38	74.91	38.104	
8,347.05	7,232.17	7,209.81	7,100.59	53.61	30.50	87.58	-34.05	533.60	2,854.04	2,778.77	75.27	37.918	
8,400.00	7,232.48	7,203.58	7,096.59	53.86	30.46	87.50	-34.29	528.82	2,854.13	2,778.08	76.05	37.529	
8,500.00	7,233.06	7,129.10	7,043.59	54.44	30.13	86.43	-35.97	476.59	2,856.13	2,779.22	76.92	37.134	
8,600.00	7,233.64	7,093.00	7,015.54	55.14	29.98	85.86	-37.02	453.91	2,860.22	2,781.85	78.37	36.494	
8,700.00	7,234.22	7,061.80	6,990.27	55.99	29.85	85.35	-37.78	435.63	2,867.11	2,787.10	80.01	35.833	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 342-MWD+IFR1

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	7,041.67	6,973.54	57.00	29.78	85.02	-38.05	424.43	2,877.09	2,795.22	81.87	35.142	
8,900.00	7,235.39	6,999.00	6,937.09	58.18	29.61	84.29	-38.06	402.26	2,890.42	2,806.92	83.51	34.613	
9,000.00	7,235.97	6,999.00	6,937.09	59.53	29.61	84.29	-38.06	402.26	2,906.27	2,820.56	85.70	33.910	
9,100.00	7,236.55	6,999.00	6,937.09	61.04	29.61	84.29	-38.06	402.26	2,925.44	2,837.53	87.91	33.278	
9,200.00	7,237.13	6,968.06	6,909.89	62.69	29.49	83.74	-37.70	387.53	2,947.49	2,857.73	89.76	32.838	
9,300.00	7,237.71	6,950.48	6,894.18	64.47	29.42	83.43	-37.43	379.66	2,972.51	2,880.77	91.75	32.400	
9,400.00	7,238.29	6,934.43	6,879.68	66.36	29.36	83.14	-37.14	372.78	3,000.41	2,906.69	93.72	32.014	
9,500.00	7,238.87	6,904.00	6,851.81	68.34	29.24	82.59	-36.47	360.58	3,031.27	2,935.76	95.50	31.740	
9,600.00	7,239.45	6,913.76	6,860.80	70.41	29.28	82.77	-36.74	364.37	3,064.65	2,966.99	97.66	31.380	
9,700.00	7,240.03	6,864.36	6,814.84	72.55	29.09	81.86	-35.98	346.31	3,100.73	3,001.58	99.15	31.272	
9,800.00	7,240.61	6,827.67	6,780.03	74.76	28.95	81.17	-36.38	334.72	3,139.12	3,038.41	100.71	31.169	
9,900.00	7,241.20	6,812.00	6,765.02	77.02	28.88	80.88	-36.80	330.25	3,179.93	3,077.50	102.43	31.046	
10,000.00	7,241.78	6,812.00	6,765.02	79.33	28.88	80.88	-36.80	330.25	3,223.29	3,119.06	104.23	30.925	
10,100.00	7,242.36	6,812.00	6,765.02	81.68	28.88	80.88	-36.80	330.25	3,269.13	3,163.18	105.95	30.856	
10,200.00	7,242.94	6,812.00	6,765.02	84.07	28.88	80.88	-36.80	330.25	3,317.35	3,209.77	107.59	30.834	
10,300.00	7,243.52	6,812.00	6,765.02	86.49	28.88	80.88	-36.80	330.25	3,367.86	3,258.71	109.15	30.857	
10,400.00	7,244.10	6,812.00	6,765.02	88.95	28.88	80.88	-36.80	330.25	3,420.54	3,309.92	110.62	30.921	
10,500.00	7,244.68	6,812.00	6,765.02	91.43	28.88	80.88	-36.80	330.25	3,475.30	3,363.28	112.02	31.023	
10,600.00	7,245.26	6,775.13	6,729.34	93.93	28.74	80.17	-37.57	320.98	3,530.99	3,417.95	113.04	31.237	
10,700.00	7,245.84	6,771.18	6,725.49	96.46	28.72	80.10	-37.60	320.09	3,589.38	3,475.11	114.27	31.412	
10,800.00	7,246.42	6,767.40	6,721.81	99.01	28.71	80.03	-37.63	319.26	3,649.55	3,534.12	115.42	31.618	
10,900.00	7,247.01	6,763.80	6,718.30	101.58	28.69	79.96	-37.65	318.49	3,711.42	3,594.90	116.52	31.853	
11,000.00	7,247.59	6,760.36	6,714.93	104.16	28.68	79.89	-37.66	317.76	3,774.90	3,657.35	117.55	32.114	
11,100.00	7,248.17	6,757.07	6,711.71	106.76	28.66	79.83	-37.66	317.08	3,839.92	3,721.40	118.52	32.400	
11,200.00	7,248.75	6,718.00	6,673.27	109.37	28.51	79.08	-37.22	310.15	3,907.44	3,788.28	119.16	32.791	
11,300.00	7,249.33	6,718.00	6,673.27	112.00	28.51	79.08	-37.22	310.15	3,975.15	3,855.10	120.05	33.112	
11,400.00	7,249.91	6,718.00	6,673.27	114.64	28.51	79.08	-37.22	310.15	4,044.19	3,923.31	120.88	33.455	
11,500.00	7,250.49	6,718.00	6,673.27	117.29	28.51	79.08	-37.22	310.15	4,114.51	3,992.85	121.67	33.817	
11,600.00	7,251.07	6,718.00	6,673.27	119.95	28.51	79.08	-37.22	310.15	4,186.04	4,063.64	122.40	34.198	
11,700.00	7,251.65	6,718.00	6,673.27	122.62	28.51	79.08	-37.22	310.15	4,258.72	4,135.62	123.10	34.597	
11,800.00	7,252.23	6,718.00	6,673.27	125.30	28.51	79.08	-37.22	310.15	4,332.48	4,208.74	123.74	35.012	
11,900.00	7,252.82	6,718.00	6,673.27	127.98	28.51	79.08	-37.22	310.15	4,407.28	4,282.92	124.35	35.442	
12,000.00	7,253.40	6,718.00	6,673.27	130.68	28.51	79.08	-37.22	310.15	4,483.06	4,358.13	124.92	35.886	
12,100.00	7,253.98	6,718.00	6,673.27	133.38	28.51	79.08	-37.22	310.15	4,559.77	4,434.31	125.46	36.344	
12,200.00	7,254.56	6,718.00	6,673.27	136.09	28.51	79.08	-37.22	310.15	4,637.37	4,511.41	125.96	36.815	
12,300.00	7,255.14	6,718.00	6,673.27	138.81	28.51	79.08	-37.22	310.15	4,715.82	4,589.38	126.44	37.298	
12,400.00	7,255.72	6,718.00	6,673.27	141.53	28.51	79.08	-37.22	310.15	4,795.07	4,668.19	126.88	37.792	
12,500.00	7,256.30	6,718.00	6,673.27	144.26	28.51	79.08	-37.22	310.15	4,875.08	4,747.78	127.30	38.297	
12,600.00	7,256.88	6,718.00	6,673.27	146.99	28.51	79.08	-37.22	310.15	4,955.82	4,828.13	127.69	38.811	
12,700.00	7,257.46	6,718.00	6,673.27	149.73	28.51	79.08	-37.22	310.15	5,037.24	4,909.18	128.06	39.335	
12,800.00	7,258.04	6,718.00	6,673.27	152.47	28.51	79.08	-37.22	310.15	5,119.33	4,990.92	128.41	39.868	
12,900.00	7,258.63	6,718.00	6,673.27	155.22	28.51	79.08	-37.22	310.15	5,202.04	5,073.31	128.73	40.410	
13,000.00	7,259.21	6,718.00	6,673.27	157.97	28.51	79.08	-37.22	310.15	5,285.35	5,156.32	129.04	40.959	
13,100.00	7,259.79	6,718.00	6,673.27	160.72	28.51	79.08	-37.22	310.15	5,369.24	5,239.91	129.33	41.517	
13,200.00	7,260.37	6,718.00	6,673.27	163.48	28.51	79.08	-37.22	310.15	5,453.66	5,324.06	129.60	42.081	
13,300.00	7,260.95	6,718.00	6,673.27	166.24	28.51	79.08	-37.22	310.15	5,538.60	5,408.75	129.86	42.652	
13,400.00	7,261.53	6,718.00	6,673.27	169.01	28.51	79.08	-37.22	310.15	5,624.04	5,493.94	130.10	43.229	
13,480.77	7,262.00	6,718.00	6,673.27	171.24	28.51	79.08	-37.22	310.15	5,693.40	5,563.11	130.28	43.700	

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

Offset Design Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 170-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	125.12	-357.74	508.65	621.95				
100.00	100.00	95.46	95.45	3.28	3.29	125.24	-358.49	507.52	621.39	614.82	6.57	94.551	
200.00	200.00	201.40	201.30	3.34	3.33	125.62	-360.90	503.76	619.82	613.16	6.66	93.063	
300.00	300.00	303.68	303.51	3.44	3.42	125.85	-361.66	500.46	617.63	610.76	6.87	89.945	
400.00	399.98	422.68	422.42	3.60	3.60	-29.52	-358.19	497.53	612.45	605.24	7.21	84.903	
500.00	499.84	544.22	543.58	3.79	3.85	-30.17	-351.00	491.54	600.44	592.75	7.69	78.088	
600.00	599.45	646.09	644.92	4.02	4.11	-31.06	-342.96	484.93	583.13	574.96	8.17	71.334	
700.00	698.70	804.13	801.26	4.29	4.57	-32.89	-326.99	469.56	559.94	550.90	9.03	61.983	
800.00	797.47	897.73	892.74	4.59	4.89	-34.70	-312.83	455.72	526.63	517.03	9.60	54.855	
900.00	895.62	973.64	967.24	4.93	5.15	-36.61	-302.17	445.81	492.94	482.82	10.12	48.691	
1,000.00	993.06	1,055.08	1,047.61	5.31	5.45	-38.96	-292.78	436.62	459.82	449.09	10.73	42.863	
1,100.00	1,089.64	1,147.56	1,139.11	5.72	5.80	-42.04	-283.88	426.58	426.07	414.64	11.43	37.282	
1,200.00	1,185.27	1,241.42	1,231.89	6.16	6.16	-46.06	-274.64	415.84	390.39	378.21	12.17	32.066	
1,300.00	1,279.82	1,326.05	1,315.52	6.64	6.50	-50.88	-265.75	406.42	354.18	341.24	12.94	27.377	
1,400.00	1,373.17	1,412.27	1,400.83	7.15	6.85	-57.14	-256.80	397.68	319.54	305.77	13.77	23.209	
1,500.00	1,465.21	1,497.83	1,485.49	7.70	7.20	-64.99	-247.89	389.07	287.52	272.84	14.68	19.589	
1,600.00	1,555.84	1,581.27	1,568.00	8.30	7.55	-74.53	-238.65	380.78	260.98	245.30	15.68	16.645	
1,651.50	1,601.92	1,623.32	1,609.56	8.62	7.73	-80.02	-233.76	376.61	250.72	234.50	16.22	15.453	
1,700.00	1,645.13	1,661.83	1,647.62	8.93	7.89	-85.15	-229.28	372.87	244.02	227.28	16.74	14.576	
1,774.64	1,711.61	1,721.71	1,706.89	9.41	8.15	-93.30	-222.65	367.48	240.10	222.58	17.52	13.707	CC, ES
1,800.00	1,734.20	1,742.78	1,727.75	9.58	8.23	-96.16	-220.39	365.66	240.53	222.76	17.77	13.537	
1,900.00	1,823.28	1,825.76	1,809.93	10.25	8.59	-107.21	-211.50	358.27	250.29	231.62	18.67	13.403	SF
2,000.00	1,912.36	1,905.36	1,888.70	10.94	8.93	-116.99	-202.66	350.99	272.14	252.73	19.41	14.018	
2,100.00	2,001.43	1,987.67	1,970.11	11.63	9.29	-125.79	-193.00	343.73	304.03	283.94	20.08	15.140	
2,200.00	2,090.51	2,077.38	2,059.08	12.34	9.67	-133.55	-183.97	336.56	341.66	320.86	20.80	16.423	
2,300.00	2,179.59	2,169.98	2,151.20	13.05	10.06	-139.87	-177.38	329.84	381.55	359.98	21.57	17.692	
2,400.00	2,268.66	2,266.52	2,247.48	13.76	10.47	-144.95	-172.96	324.43	422.56	400.18	22.39	18.876	
2,500.00	2,357.74	2,366.58	2,347.39	14.49	10.87	-149.16	-171.41	319.28	462.98	439.74	23.24	19.920	
2,600.00	2,446.82	2,453.87	2,434.65	15.21	11.22	-152.00	-171.67	316.84	503.27	479.27	24.01	20.964	
2,700.00	2,535.89	2,549.30	2,530.02	15.95	11.60	-154.67	-171.53	313.94	544.96	520.11	24.85	21.930	
2,800.00	2,624.97	2,650.52	2,631.20	16.68	11.99	-156.98	-173.77	312.02	585.19	559.45	25.74	22.735	
2,900.00	2,714.05	2,728.32	2,708.97	17.42	12.29	-158.30	-175.66	312.88	625.63	599.17	26.45	23.650	
3,000.00	2,803.12	2,803.78	2,784.43	18.16	12.59	-159.52	-175.25	312.74	669.05	641.90	27.15	24.644	
3,100.00	2,892.20	2,901.96	2,882.59	18.90	12.98	-160.98	-174.49	311.85	713.17	685.11	28.07	25.408	
3,200.00	2,981.28	3,004.17	2,984.79	19.65	13.38	-162.22	-176.13	312.41	755.17	726.16	29.01	26.030	
3,300.00	3,070.36	3,084.67	3,065.27	20.40	13.69	-162.99	-177.00	314.08	797.67	767.91	29.76	26.801	
3,400.00	3,159.43	3,162.69	3,143.28	21.14	14.00	-163.68	-176.77	315.33	841.59	811.10	30.49	27.598	
3,500.00	3,248.51	3,248.24	3,228.82	21.89	14.34	-164.43	-175.95	315.88	886.37	855.06	31.31	28.309	
3,600.00	3,337.59	3,340.00	3,320.58	22.65	14.72	-165.20	-175.23	315.70	931.28	899.08	32.20	28.922	
3,700.00	3,426.66	3,425.41	3,405.98	23.40	15.08	-165.87	-174.60	315.23	976.32	943.29	33.03	29.559	
3,800.00	3,515.74	3,513.91	3,494.47	24.15	15.45	-166.52	-173.85	314.51	1,021.62	987.72	33.89	30.141	
3,900.00	3,604.82	3,593.88	3,574.43	24.91	15.79	-167.09	-173.01	313.40	1,067.32	1,032.65	34.67	30.781	
4,000.00	3,693.89	3,713.31	3,693.84	25.66	16.28	-167.83	-172.15	312.45	1,112.83	1,076.99	35.84	31.049	
4,100.00	3,782.97	3,798.17	3,778.69	26.42	16.61	-168.21	-172.48	313.85	1,156.79	1,120.13	36.66	31.557	
4,200.00	3,872.05	3,876.93	3,857.42	27.18	16.93	-168.49	-172.10	315.83	1,201.34	1,163.92	37.42	32.103	
4,300.00	3,961.12	3,981.03	3,961.49	27.94	17.35	-168.84	-171.48	318.42	1,246.07	1,207.63	38.43	32.421	
4,400.00	4,050.20	4,095.56	4,075.99	28.69	17.80	-169.26	-173.20	320.35	1,289.15	1,249.62	39.53	32.613	
4,500.00	4,139.28	4,201.86	4,182.23	29.45	18.23	-169.67	-176.65	321.60	1,330.88	1,290.34	40.54	32.829	
4,600.00	4,228.35	4,284.62	4,264.92	30.21	18.56	-170.04	-179.93	321.10	1,372.44	1,331.09	41.35	33.191	
4,700.00	4,317.43	4,355.51	4,335.73	30.97	18.85	-170.40	-182.49	319.30	1,414.86	1,372.81	42.06	33.642	
4,800.00	4,406.51	4,430.74	4,410.90	31.73	19.16	-170.78	-184.41	316.83	1,458.45	1,415.65	42.80	34.076	
4,900.00	4,495.59	4,510.54	4,490.68	32.50	19.48	-171.10	-185.42	315.30	1,502.84	1,459.25	43.59	34.479	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 170-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,593.10	4,573.24	33.26	19.82	-171.35	-185.62	315.20	1,547.69	1,503.29	44.40	34.858	
5,100.00	4,673.74	4,678.29	4,658.41	34.02	20.17	-171.53	-185.04	316.42	1,592.93	1,547.69	45.24	35.210	
5,200.00	4,762.82	4,773.24	4,753.33	34.78	20.56	-171.68	-184.19	318.72	1,638.11	1,591.92	46.18	35.469	
5,300.00	4,851.89	4,866.31	4,846.36	35.54	20.94	-171.80	-183.62	321.64	1,682.85	1,635.74	47.11	35.722	
5,400.00	4,940.97	4,947.01	4,927.05	36.31	21.28	-171.96	-183.27	322.71	1,727.94	1,680.03	47.91	36.064	
5,500.00	5,030.05	5,047.99	5,028.02	37.07	21.70	-172.20	-183.57	322.42	1,772.86	1,723.94	48.92	36.241	
5,600.00	5,119.12	5,145.16	5,125.19	37.83	22.10	-172.45	-184.53	321.65	1,817.36	1,767.48	49.88	36.431	
5,700.00	5,208.20	5,243.42	5,223.43	38.60	22.50	-172.69	-186.08	320.87	1,861.38	1,810.52	50.86	36.599	
5,800.00	5,297.28	5,325.80	5,305.78	39.36	22.85	-172.91	-187.68	319.59	1,905.33	1,853.65	51.68	36.866	
5,900.00	5,386.35	5,390.71	5,370.68	40.13	23.12	-173.08	-188.46	318.09	1,950.16	1,897.82	52.34	37.263	
6,000.00	5,475.43	5,471.01	5,450.96	40.89	23.46	-173.27	-188.54	316.55	1,995.81	1,942.67	53.14	37.555	
6,100.00	5,564.51	5,549.36	5,529.30	41.66	23.79	-173.41	-187.90	316.24	2,041.81	1,987.88	53.93	37.858	
6,200.00	5,653.58	5,624.93	5,604.87	42.42	24.11	-173.52	-186.77	316.09	2,088.35	2,033.66	54.69	38.183	
6,300.00	5,742.66	5,720.32	5,700.23	43.19	24.52	-173.68	-185.06	315.30	2,135.34	2,079.67	55.66	38.362	
6,400.00	5,831.74	5,830.36	5,810.27	43.95	24.98	-173.82	-184.14	315.51	2,181.16	2,124.39	56.78	38.416	
6,500.00	5,920.82	5,931.81	5,911.71	44.72	25.41	-173.93	-183.44	316.61	2,226.67	2,168.87	57.80	38.526	
6,600.00	6,009.89	6,065.73	6,045.62	45.48	25.96	-174.11	-184.73	316.91	2,271.08	2,211.96	59.12	38.416	
6,700.00	6,098.97	6,147.16	6,127.04	46.25	26.30	-174.22	-186.13	317.20	2,314.77	2,254.84	59.94	38.621	
6,800.00	6,188.05	6,204.58	6,184.45	47.01	26.54	-174.30	-186.77	317.10	2,359.15	2,298.62	60.52	38.979	
6,900.00	6,277.12	7,510.54	6,970.39	47.78	35.71	-157.19	-180.01	1,089.26	2,375.01	2,302.17	72.84	32.604	
7,000.00	6,366.20	7,524.36	6,969.62	48.55	35.92	-156.86	-179.49	1,103.05	2,390.35	2,316.40	73.95	32.326	
7,100.00	6,455.28	7,538.18	6,968.86	49.31	36.13	-156.53	-178.99	1,116.84	2,409.67	2,334.75	74.92	32.162	
7,197.64	6,542.25	7,551.67	6,968.10	50.06	36.33	-156.20	-178.50	1,130.29	2,432.29	2,356.53	75.76	32.105	
7,200.00	6,544.35	7,551.99	6,968.08	50.08	36.34	-156.63	-178.49	1,130.62	2,432.88	2,357.10	75.78	32.105	
7,250.00	6,589.22	7,556.92	6,967.81	50.44	36.42	-166.42	-178.31	1,135.53	2,445.94	2,369.82	76.13	32.130	
7,300.00	6,634.48	7,557.25	6,967.79	50.77	36.42	-177.19	-178.30	1,135.87	2,459.94	2,383.59	76.35	32.220	
7,350.00	6,679.86	7,552.80	6,968.04	51.06	36.35	171.59	-178.46	1,131.42	2,474.77	2,398.33	76.44	32.375	
7,400.00	6,725.09	7,544.50	6,968.50	51.31	36.22	160.54	-178.76	1,123.14	2,490.32	2,413.89	76.43	32.582	
7,450.00	6,769.87	7,531.98	6,969.20	51.52	36.04	150.17	-179.21	1,110.65	2,506.43	2,430.11	76.32	32.840	
7,500.00	6,813.94	7,515.33	6,970.12	51.69	35.78	140.76	-179.83	1,094.04	2,522.95	2,446.83	76.11	33.147	
7,550.00	6,857.03	7,494.63	6,971.27	51.84	35.47	132.40	-180.61	1,073.39	2,539.68	2,463.86	75.82	33.497	
7,600.00	6,898.86	7,470.03	6,972.61	51.95	35.10	125.04	-181.55	1,048.84	2,556.43	2,480.99	75.44	33.886	
7,650.00	6,939.19	7,460.00	6,973.16	52.05	34.95	118.93	-181.94	1,038.83	2,573.07	2,497.72	75.35	34.148	
7,700.00	6,977.75	7,431.01	6,974.68	52.13	34.56	113.28	-182.98	1,009.90	2,589.39	2,514.43	74.95	34.547	
7,750.00	7,014.32	7,410.89	6,975.66	52.20	34.29	108.51	-183.58	989.82	2,605.34	2,530.61	74.73	34.863	
7,800.00	7,048.67	7,389.17	6,976.65	52.26	33.99	104.33	-184.14	968.12	2,620.74	2,546.23	74.51	35.175	
7,850.00	7,080.59	7,365.00	6,977.68	52.33	33.67	100.66	-184.63	943.98	2,635.43	2,561.16	74.27	35.482	
7,900.00	7,109.87	7,365.00	6,977.68	52.39	33.67	97.75	-184.63	943.98	2,649.45	2,574.93	74.52	35.554	
7,950.00	7,136.35	7,326.26	6,977.80	52.47	33.20	94.78	-185.09	905.25	2,662.30	2,588.13	74.17	35.894	
8,000.00	7,159.85	7,306.43	6,976.73	52.55	32.96	92.40	-185.16	885.45	2,674.31	2,600.12	74.19	36.048	
8,050.00	7,180.23	7,271.00	6,972.93	52.64	32.54	90.19	-184.99	850.23	2,685.35	2,611.36	73.99	36.295	
8,100.00	7,197.37	7,271.00	6,972.93	52.75	32.54	88.66	-184.99	850.23	2,695.06	2,620.58	74.48	36.185	
8,150.00	7,211.16	7,245.80	6,968.83	52.88	32.27	87.18	-184.65	825.37	2,703.63	2,629.00	74.62	36.230	
8,200.00	7,221.51	7,225.01	6,964.65	53.03	32.05	86.01	-184.23	805.01	2,710.92	2,636.01	74.91	36.191	
8,250.00	7,228.37	7,204.17	6,959.74	53.20	31.83	85.12	-183.69	784.77	2,716.86	2,641.61	75.25	36.105	
8,300.00	7,231.68	7,178.00	6,952.57	53.40	31.55	84.46	-182.85	759.62	2,721.43	2,645.87	75.56	36.019	
8,317.45	7,232.00	7,178.00	6,952.57	53.47	31.55	84.35	-182.85	759.62	2,722.67	2,646.84	75.84	35.902	
8,400.00	7,232.48	7,143.13	6,941.46	53.86	31.24	84.12	-181.39	726.60	2,728.97	2,652.30	76.67	35.594	
8,500.00	7,233.06	7,083.00	6,918.59	54.44	30.70	83.64	-177.92	671.12	2,738.91	2,661.42	77.49	35.346	
8,600.00	7,233.64	7,038.81	6,898.63	55.14	30.38	83.22	-175.25	631.80	2,750.57	2,671.83	78.74	34.932	
8,700.00	7,234.22	6,956.39	6,853.93	55.99	29.83	82.29	-171.94	562.70	2,763.30	2,683.78	79.51	34.753	
8,800.00	7,234.80	6,895.00	6,814.92	57.00	29.47	81.49	-170.53	515.35	2,777.62	2,696.92	80.70	34.417	

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

Offset Design Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 170-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	6,862.85	6,792.83	58.18	29.31	81.03	-169.93	492.01	2,794.20	2,711.79	82.41	33.907	
9,000.00	7,235.97	6,831.93	6,770.69	59.53	29.16	80.57	-169.23	470.44	2,813.43	2,729.27	84.16	33.429	
9,100.00	7,236.55	6,809.11	6,753.81	61.04	29.04	80.23	-168.66	455.10	2,835.34	2,749.31	86.03	32.956	
9,200.00	7,237.13	6,731.63	6,692.65	62.69	28.71	78.98	-167.92	407.63	2,859.50	2,772.29	87.20	32.792	
9,300.00	7,237.71	6,669.67	6,639.47	64.47	28.46	77.89	-170.13	376.01	2,885.60	2,797.05	88.55	32.585	
9,400.00	7,238.29	6,624.70	6,598.75	66.36	28.28	77.05	-173.56	357.25	2,914.05	2,823.94	90.11	32.339	
9,500.00	7,238.87	6,612.00	6,586.99	68.34	28.23	76.81	-174.80	352.63	2,945.20	2,853.13	92.07	31.989	
9,600.00	7,239.45	6,612.00	6,586.99	70.41	28.23	76.81	-174.80	352.63	2,979.36	2,885.22	94.15	31.646	
9,700.00	7,240.03	6,612.00	6,586.99	72.55	28.23	76.81	-174.80	352.63	3,016.45	2,920.30	96.15	31.373	
9,800.00	7,240.61	6,612.00	6,586.99	74.76	28.23	76.81	-174.80	352.63	3,056.36	2,958.29	98.07	31.164	
9,900.00	7,241.20	6,612.00	6,586.99	77.02	28.23	76.81	-174.80	352.63	3,098.99	2,999.07	99.92	31.015	
10,000.00	7,241.78	6,572.96	6,550.17	79.33	28.07	76.05	-178.54	340.24	3,143.01	3,041.80	101.21	31.053	
10,100.00	7,242.36	6,567.61	6,545.05	81.68	28.05	75.95	-179.01	338.75	3,190.35	3,087.50	102.84	31.021	
10,200.00	7,242.94	6,562.61	6,540.26	84.07	28.03	75.85	-179.44	337.41	3,240.04	3,135.64	104.40	31.036	
10,300.00	7,243.52	6,557.94	6,535.77	86.49	28.01	75.76	-179.83	336.19	3,291.98	3,186.11	105.87	31.094	
10,400.00	7,244.10	6,518.00	6,496.93	88.95	27.85	74.97	-182.83	327.42	3,347.15	3,240.29	106.86	31.322	
10,500.00	7,244.68	6,518.00	6,496.93	91.43	27.85	74.97	-182.83	327.42	3,403.07	3,294.82	108.24	31.439	
10,600.00	7,245.26	6,518.00	6,496.93	93.93	27.85	74.97	-182.83	327.42	3,460.97	3,351.42	109.55	31.593	
10,700.00	7,245.84	6,518.00	6,496.93	96.46	27.85	74.97	-182.83	327.42	3,520.76	3,409.99	110.77	31.783	
10,800.00	7,246.42	6,518.00	6,496.93	99.01	27.85	74.97	-182.83	327.42	3,582.35	3,470.42	111.93	32.005	
10,900.00	7,247.01	6,518.00	6,496.93	101.58	27.85	74.97	-182.83	327.42	3,645.64	3,532.62	113.02	32.258	
11,000.00	7,247.59	6,518.00	6,496.93	104.16	27.85	74.97	-182.83	327.42	3,710.54	3,596.51	114.04	32.538	
11,100.00	7,248.17	6,518.00	6,496.93	106.76	27.85	74.97	-182.83	327.42	3,776.98	3,661.98	114.99	32.845	
11,200.00	7,248.75	6,518.00	6,496.93	109.37	27.85	74.97	-182.83	327.42	3,844.87	3,728.98	115.89	33.176	
11,300.00	7,249.33	6,518.00	6,496.93	112.00	27.85	74.97	-182.83	327.42	3,914.14	3,797.40	116.73	33.530	
11,400.00	7,249.91	6,518.00	6,496.93	114.64	27.85	74.97	-182.83	327.42	3,984.71	3,867.19	117.52	33.905	
11,500.00	7,250.49	6,518.00	6,496.93	117.29	27.85	74.97	-182.83	327.42	4,056.52	3,938.26	118.27	34.300	
11,600.00	7,251.07	6,518.00	6,496.93	119.95	27.85	74.97	-182.83	327.42	4,129.51	4,010.55	118.96	34.714	
11,700.00	7,251.65	6,518.00	6,496.93	122.62	27.85	74.97	-182.83	327.42	4,203.60	4,083.99	119.61	35.144	
11,800.00	7,252.23	6,518.00	6,496.93	125.30	27.85	74.97	-182.83	327.42	4,278.75	4,158.53	120.22	35.591	
11,900.00	7,252.82	6,518.00	6,496.93	127.98	27.85	74.97	-182.83	327.42	4,354.90	4,234.11	120.79	36.053	
12,000.00	7,253.40	6,518.00	6,496.93	130.68	27.85	74.97	-182.83	327.42	4,432.00	4,310.67	121.33	36.530	
12,100.00	7,253.98	6,518.00	6,496.93	133.38	27.85	74.97	-182.83	327.42	4,510.00	4,388.17	121.83	37.019	
12,200.00	7,254.56	6,518.00	6,496.93	136.09	27.85	74.97	-182.83	327.42	4,588.85	4,466.55	122.30	37.522	
12,300.00	7,255.14	6,518.00	6,496.93	138.81	27.85	74.97	-182.83	327.42	4,668.51	4,545.77	122.74	38.036	
12,400.00	7,255.72	6,518.00	6,496.93	141.53	27.85	74.97	-182.83	327.42	4,748.94	4,625.79	123.15	38.561	
12,500.00	7,256.30	6,518.00	6,496.93	144.26	27.85	74.97	-182.83	327.42	4,830.10	4,706.56	123.54	39.097	
12,600.00	7,256.88	6,518.00	6,496.93	146.99	27.85	74.97	-182.83	327.42	4,911.96	4,788.05	123.91	39.642	
12,700.00	7,257.46	6,518.00	6,496.93	149.73	27.85	74.97	-182.83	327.42	4,994.47	4,870.22	124.25	40.197	
12,800.00	7,258.04	6,518.00	6,496.93	152.47	27.85	74.97	-182.83	327.42	5,077.62	4,953.05	124.57	40.760	
12,900.00	7,258.63	6,518.00	6,496.93	155.22	27.85	74.97	-182.83	327.42	5,161.36	5,036.49	124.88	41.332	
13,000.00	7,259.21	6,518.00	6,496.93	157.97	27.85	74.97	-182.83	327.42	5,245.68	5,120.52	125.16	41.912	
13,100.00	7,259.79	6,518.00	6,496.93	160.72	27.85	74.97	-182.83	327.42	5,330.53	5,205.10	125.43	42.499	
13,200.00	7,260.37	6,518.00	6,496.93	163.48	27.85	74.97	-182.83	327.42	5,415.91	5,290.22	125.68	43.093	
13,300.00	7,260.95	6,518.00	6,496.93	166.24	27.85	74.97	-182.83	327.42	5,501.77	5,375.85	125.92	43.693	
13,400.00	7,261.53	6,518.00	6,496.93	169.01	27.85	74.97	-182.83	327.42	5,588.11	5,461.96	126.14	44.300	
13,480.77	7,262.00	6,518.00	6,496.93	171.24	27.85	74.97	-182.83	327.42	5,658.17	5,531.86	126.31	44.794	

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

Offset Design Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 141-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	126.62	-377.78	508.37	633.47				
100.00	100.00	78.43	78.43	3.28	3.29	126.65	-378.43	508.71	634.12	627.55	6.57	96.510	
200.00	200.00	175.80	175.76	3.34	3.31	126.76	-380.82	509.85	636.51	629.86	6.65	95.693	
300.00	300.00	295.61	295.55	3.44	3.43	126.93	-382.73	509.19	637.02	630.15	6.87	92.683	
400.00	399.98	430.90	430.69	3.60	3.64	-28.05	-382.36	503.44	632.02	624.74	7.28	86.855	
500.00	499.84	555.31	554.44	3.79	3.91	-27.92	-380.24	490.91	618.25	610.47	7.79	79.414	
600.00	599.45	653.06	651.44	4.02	4.16	-27.91	-378.48	478.92	599.77	591.51	8.26	72.623	
700.00	698.70	735.84	733.52	4.29	4.39	-27.86	-379.24	468.30	579.52	570.79	8.73	66.412	
800.00	797.47	811.61	808.66	4.59	4.63	-27.73	-383.37	459.55	559.86	550.63	9.23	60.655	
900.00	895.62	893.49	889.69	4.93	4.90	-27.45	-391.25	450.87	540.48	530.66	9.82	55.065	
1,000.00	993.06	979.53	974.79	5.31	5.20	-27.22	-401.29	443.17	520.61	510.15	10.46	49.762	
1,100.00	1,089.64	1,058.12	1,052.61	5.72	5.47	-27.25	-411.22	438.52	500.64	489.53	11.12	45.039	
1,200.00	1,185.27	1,136.43	1,130.07	6.16	5.76	-27.50	-422.51	436.72	481.50	469.70	11.80	40.812	
1,300.00	1,279.82	1,223.33	1,215.78	6.64	6.07	-27.96	-436.87	437.31	462.85	450.31	12.54	36.909	
1,400.00	1,373.17	1,317.84	1,308.77	7.15	6.43	-28.61	-453.71	438.43	442.44	429.10	13.35	33.150	
1,500.00	1,465.21	1,413.77	1,402.87	7.70	6.81	-29.34	-472.35	438.92	419.53	405.34	14.20	29.547	
1,600.00	1,555.84	1,508.36	1,495.48	8.30	7.20	-30.29	-491.58	439.12	394.02	378.94	15.08	26.123	
1,651.50	1,601.92	1,556.76	1,542.81	8.62	7.40	-30.90	-501.73	439.27	380.00	364.45	15.55	24.430	
1,700.00	1,645.13	1,602.83	1,587.84	8.93	7.60	-31.40	-511.45	439.47	366.54	350.54	16.01	22.901	
1,800.00	1,734.20	1,697.43	1,680.29	9.58	8.01	-32.55	-531.51	440.01	339.07	322.11	16.95	20.000	
1,900.00	1,823.28	1,793.27	1,773.84	10.25	8.44	-33.86	-552.30	440.78	312.19	294.26	17.94	17.406	
2,000.00	1,912.36	1,890.96	1,869.49	10.94	8.87	-35.72	-572.11	441.73	284.91	265.95	18.96	15.028	
2,100.00	2,001.43	1,989.41	1,966.04	11.63	9.32	-38.15	-591.35	442.68	257.61	237.59	20.02	12.869	
2,200.00	2,090.51	2,086.49	2,061.37	12.34	9.76	-41.08	-609.72	442.13	229.22	208.11	21.11	10.857	
2,300.00	2,179.59	2,179.96	2,153.13	13.05	10.19	-44.69	-627.49	442.05	201.99	179.72	22.27	9.071	
2,400.00	2,268.66	2,276.70	2,248.18	13.76	10.64	-49.75	-645.46	442.56	176.22	152.72	23.50	7.500	
2,500.00	2,357.74	2,372.88	2,342.66	14.49	11.09	-56.22	-663.46	441.55	150.69	125.88	24.81	6.073	
2,600.00	2,446.82	2,467.50	2,435.65	15.21	11.53	-65.03	-680.92	440.75	127.89	101.65	26.24	4.874	
2,700.00	2,535.89	2,561.65	2,528.27	15.95	11.97	-77.13	-697.81	440.31	109.78	82.06	27.71	3.961	
2,800.00	2,624.97	2,656.69	2,621.80	16.68	12.42	-92.67	-714.72	440.41	99.15	70.18	28.97	3.422	
2,873.42	2,690.38	2,727.42	2,691.45	17.22	12.75	-105.92	-727.01	439.82	96.85	67.30	29.56	3.277	CC, ES
2,900.00	2,714.05	2,753.20	2,716.82	17.42	12.87	-110.91	-731.51	439.26	97.15	67.47	29.68	3.273	SF
3,000.00	2,803.12	2,848.56	2,810.60	18.16	13.33	-128.74	-748.52	436.06	104.17	74.29	29.88	3.487	
3,100.00	2,892.20	2,943.37	2,903.73	18.90	13.78	-143.08	-766.02	433.12	119.77	89.71	30.05	3.985	
3,200.00	2,981.28	3,037.76	2,996.44	19.65	14.23	-153.67	-783.55	430.48	141.21	110.74	30.47	4.634	
3,300.00	3,070.36	3,132.56	3,089.60	20.40	14.69	-161.15	-801.05	428.64	166.27	135.14	31.13	5.341	
3,400.00	3,159.43	3,227.59	3,182.97	21.14	15.15	-166.64	-818.66	426.97	193.24	161.30	31.94	6.050	
3,500.00	3,248.51	3,321.70	3,275.47	21.89	15.60	-170.56	-835.91	426.01	221.50	188.68	32.82	6.749	
3,600.00	3,337.59	3,416.45	3,368.73	22.65	16.05	-173.38	-852.66	425.90	250.84	217.09	33.75	7.432	
3,700.00	3,426.66	3,511.27	3,462.09	23.40	16.50	-175.49	-869.28	426.35	280.57	245.85	34.71	8.082	
3,800.00	3,515.74	3,604.73	3,554.15	24.15	16.95	-177.12	-885.33	426.99	310.83	275.17	35.66	8.716	
3,900.00	3,604.82	3,694.46	3,642.68	24.91	17.37	-178.38	-899.93	427.44	342.16	305.60	36.56	9.359	
4,000.00	3,693.89	3,789.43	3,736.42	25.66	17.83	-179.78	-915.06	425.85	374.77	337.21	37.55	9.979	
4,100.00	3,782.97	3,888.43	3,833.79	26.42	18.30	178.67	-932.68	422.67	406.55	367.92	38.63	10.524	
4,200.00	3,872.05	3,984.56	3,928.13	27.18	18.77	177.29	-950.81	419.31	437.74	398.08	39.67	11.035	
4,300.00	3,961.12	4,081.38	4,023.02	27.94	19.25	176.00	-969.66	415.39	468.87	428.14	40.73	11.513	
4,400.00	4,050.20	4,179.83	4,119.40	28.69	19.74	174.85	-989.39	411.73	499.55	457.74	41.81	11.948	
4,500.00	4,139.28	4,275.14	4,212.65	29.45	20.21	173.87	-1,008.86	408.44	529.92	487.06	42.86	12.365	
4,600.00	4,228.35	4,366.62	4,302.29	30.21	20.66	173.12	-1,026.91	405.90	560.67	516.83	43.84	12.788	
4,700.00	4,317.43	4,474.25	4,407.73	30.97	21.20	172.39	-1,048.38	403.63	591.03	545.98	45.05	13.120	
4,800.00	4,406.51	4,580.78	4,511.77	31.73	21.73	171.79	-1,071.25	403.11	619.33	573.11	46.22	13.400	
4,900.00	4,495.59	4,667.61	4,596.59	32.50	22.17	171.36	-1,089.85	402.69	647.71	600.55	47.16	13.733	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 141-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,762.49	4,689.31	33.26	22.64	170.89	-1,109.93	401.67	676.66	628.46	48.20	14.038	
5,100.00	4,673.74	4,848.86	4,773.87	34.02	23.07	170.52	-1,127.50	400.66	706.37	657.24	49.13	14.377	
5,200.00	4,762.82	4,939.68	4,862.91	34.78	23.52	170.16	-1,145.32	399.12	736.96	686.84	50.12	14.705	
5,300.00	4,851.89	5,042.22	4,963.51	35.54	24.03	169.85	-1,165.13	398.17	767.41	716.17	51.24	14.976	
5,400.00	4,940.97	5,142.67	5,062.10	36.31	24.53	169.70	-1,184.34	399.02	797.10	744.77	52.33	15.232	
5,500.00	5,030.05	5,232.26	5,150.13	37.07	24.96	169.63	-1,200.95	400.47	826.82	773.55	53.28	15.519	
5,600.00	5,119.12	5,313.96	5,230.61	37.83	25.36	169.63	-1,214.86	401.96	857.65	803.54	54.11	15.849	
5,700.00	5,208.20	5,398.81	5,314.45	38.60	25.76	169.69	-1,227.93	403.50	889.77	834.80	54.97	16.186	
5,800.00	5,297.28	5,503.01	5,417.35	39.36	26.25	169.71	-1,244.16	404.79	922.07	865.98	56.09	16.438	
5,900.00	5,386.35	5,601.44	5,514.28	40.13	26.73	169.61	-1,261.29	404.86	953.55	896.39	57.16	16.683	
6,000.00	5,475.43	5,681.75	5,593.42	40.89	27.12	169.52	-1,274.94	404.55	985.59	927.61	57.98	16.998	
6,100.00	5,564.51	5,813.50	5,723.03	41.66	27.76	169.38	-1,298.54	404.67	1,016.68	957.22	59.46	17.099	
6,200.00	5,653.58	5,916.32	5,823.61	42.42	28.28	169.21	-1,319.87	405.44	1,045.09	984.51	60.58	17.252	
6,300.00	5,742.66	5,995.42	5,901.19	43.19	28.67	169.13	-1,335.28	406.28	1,074.38	1,012.96	61.42	17.492	
6,400.00	5,831.74	6,074.93	5,979.43	43.95	29.06	169.08	-1,349.41	406.72	1,105.29	1,043.03	62.25	17.754	
6,500.00	5,920.82	6,182.11	6,084.79	44.72	29.58	168.98	-1,369.08	406.92	1,135.93	1,072.50	63.43	17.910	
6,600.00	6,009.89	6,269.71	6,171.00	45.48	30.01	168.94	-1,384.60	407.51	1,166.82	1,102.46	64.35	18.131	
6,700.00	6,098.97	6,855.47	6,705.70	46.25	32.44	175.13	-1,491.40	580.87	1,188.09	1,122.70	65.39	18.169	
6,800.00	6,188.05	7,499.10	6,983.34	47.01	36.50	-160.30	-1,558.55	1,135.10	1,170.26	1,103.80	66.45	17.610	
6,900.00	6,277.12	7,540.04	6,985.17	47.78	37.07	-158.26	-1,561.60	1,175.89	1,141.89	1,071.79	70.10	16.288	
7,000.00	6,366.20	7,573.11	6,985.77	48.55	37.53	-156.60	-1,563.81	1,208.88	1,120.94	1,047.50	73.44	15.263	
7,100.00	6,455.28	7,589.28	6,985.88	49.31	37.78	-155.78	-1,564.77	1,225.02	1,108.16	1,032.03	76.13	14.557	
7,197.64	6,542.25	7,605.00	6,985.96	50.06	38.02	-154.98	-1,565.61	1,240.72	1,103.99	1,025.73	78.26	14.106	
7,197.71	6,542.31	7,605.01	6,985.96	50.06	38.02	-154.98	-1,565.61	1,240.73	1,103.99	1,025.73	78.26	14.106	
7,200.00	6,544.35	7,605.37	6,985.96	50.08	38.03	-155.35	-1,565.63	1,241.09	1,104.00	1,025.69	78.31	14.098	
7,250.00	6,589.22	7,611.67	6,985.99	50.44	38.12	-163.83	-1,565.94	1,247.38	1,105.29	1,026.13	79.16	13.963	
7,300.00	6,634.48	7,615.07	6,986.00	50.77	38.17	-173.45	-1,566.10	1,250.78	1,108.98	1,029.17	79.81	13.895	
7,350.00	6,679.86	7,615.61	6,986.00	51.06	38.18	176.31	-1,566.12	1,251.31	1,115.05	1,034.79	80.26	13.894	
7,400.00	6,725.09	7,613.36	6,985.99	51.31	38.15	166.04	-1,566.02	1,249.06	1,123.43	1,042.93	80.50	13.956	
7,450.00	6,769.87	7,608.40	6,985.97	51.52	38.07	156.26	-1,565.78	1,244.12	1,134.00	1,053.45	80.56	14.077	
7,500.00	6,813.94	7,600.84	6,985.94	51.69	37.96	147.24	-1,565.40	1,236.57	1,146.59	1,066.15	80.44	14.254	
7,550.00	6,857.03	7,590.78	6,985.89	51.84	37.80	139.06	-1,564.86	1,226.52	1,160.98	1,080.80	80.18	14.480	
7,600.00	6,898.86	7,572.00	6,985.77	51.95	37.52	131.39	-1,563.74	1,207.77	1,176.95	1,097.32	79.63	14.781	
7,650.00	6,939.19	7,561.88	6,985.66	52.05	37.38	124.93	-1,563.08	1,197.68	1,194.14	1,114.86	79.29	15.061	
7,700.00	6,977.75	7,542.06	6,985.23	52.13	37.10	118.74	-1,561.74	1,177.90	1,212.31	1,133.63	78.69	15.407	
7,750.00	7,014.32	7,520.58	6,984.45	52.20	36.80	113.09	-1,560.19	1,156.50	1,231.14	1,153.08	78.06	15.772	
7,800.00	7,048.67	7,497.63	6,983.25	52.26	36.48	107.94	-1,558.43	1,133.65	1,250.35	1,172.93	77.42	16.149	
7,850.00	7,080.59	7,472.59	6,981.51	52.33	36.14	103.22	-1,556.39	1,108.75	1,269.67	1,192.88	76.79	16.534	
7,900.00	7,109.87	7,442.29	6,978.51	52.39	35.77	98.79	-1,553.87	1,078.70	1,288.77	1,212.66	76.11	16.932	
7,950.00	7,136.35	7,411.62	6,974.33	52.47	35.39	94.80	-1,551.34	1,048.43	1,307.38	1,231.88	75.49	17.317	
8,000.00	7,159.85	7,380.74	6,968.96	52.55	35.03	91.23	-1,548.81	1,018.13	1,325.29	1,250.33	74.95	17.681	
8,050.00	7,180.23	7,350.61	6,962.60	52.64	34.71	88.07	-1,546.36	988.77	1,342.34	1,267.77	74.57	18.001	
8,100.00	7,197.37	7,320.25	6,955.10	52.75	34.41	85.28	-1,543.88	959.47	1,358.38	1,284.10	74.28	18.287	
8,150.00	7,211.16	7,288.00	6,945.91	52.88	34.12	82.81	-1,541.25	928.67	1,373.27	1,299.23	74.04	18.548	
8,200.00	7,221.51	7,264.34	6,938.42	53.03	33.94	80.85	-1,539.26	906.32	1,386.93	1,312.74	74.20	18.693	
8,250.00	7,228.37	7,238.99	6,929.72	53.20	33.76	79.17	-1,536.98	882.62	1,399.36	1,324.95	74.42	18.805	
8,300.00	7,231.68	7,213.40	6,920.24	53.40	33.61	77.80	-1,534.52	858.98	1,410.44	1,335.71	74.73	18.874	
8,317.45	7,232.00	7,193.00	6,912.19	53.47	33.51	77.21	-1,532.44	840.35	1,414.06	1,339.54	74.52	18.976	
8,400.00	7,232.48	7,159.66	6,897.90	53.86	33.36	76.66	-1,528.99	810.43	1,431.41	1,355.90	75.51	18.956	
8,500.00	7,233.06	7,099.00	6,868.08	54.44	33.16	75.53	-1,522.75	758.00	1,455.60	1,379.45	76.16	19.113	
8,600.00	7,233.64	7,062.86	6,848.01	55.14	33.05	74.77	-1,519.05	728.17	1,483.29	1,405.69	77.60	19.116	
8,700.00	7,234.22	7,006.00	6,813.09	55.99	32.90	73.47	-1,513.22	683.71	1,515.02	1,436.59	78.44	19.315	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 141-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	7,006.00	6,813.09	57.00	32.90	73.47	-1,513.22	683.71	1,550.59	1,469.73	80.86	19.176	
8,900.00	7,235.39	6,964.74	6,785.52	58.18	32.78	72.47	-1,508.48	653.39	1,590.13	1,508.02	82.11	19.367	
9,000.00	7,235.97	6,940.60	6,768.68	59.53	32.71	71.87	-1,505.23	636.39	1,633.95	1,550.22	83.73	19.515	
9,100.00	7,236.55	6,911.00	6,747.36	61.04	32.63	71.13	-1,500.78	616.36	1,681.67	1,596.54	85.13	19.754	
9,200.00	7,237.13	6,911.00	6,747.36	62.69	32.63	71.13	-1,500.78	616.36	1,733.10	1,646.02	87.09	19.901	
9,300.00	7,237.71	6,869.35	6,716.30	64.47	32.49	70.07	-1,493.85	589.50	1,787.37	1,699.34	88.04	20.303	
9,400.00	7,238.29	6,846.51	6,698.81	66.36	32.42	69.49	-1,489.79	575.39	1,844.88	1,755.59	89.29	20.662	
9,500.00	7,238.87	6,815.00	6,674.17	68.34	32.32	68.68	-1,483.88	556.65	1,905.27	1,814.97	90.30	21.100	
9,600.00	7,239.45	6,815.00	6,674.17	70.41	32.32	68.68	-1,483.88	556.65	1,968.20	1,876.46	91.74	21.454	
9,700.00	7,240.03	6,778.67	6,645.01	72.55	32.19	67.75	-1,476.94	536.11	2,033.33	1,940.84	92.49	21.984	
9,800.00	7,240.61	6,756.70	6,626.99	74.76	32.11	67.18	-1,472.81	524.25	2,100.70	2,007.30	93.39	22.493	
9,900.00	7,241.20	6,720.00	6,596.25	77.02	31.98	66.23	-1,466.01	505.39	2,170.22	2,076.23	94.00	23.088	
10,000.00	7,241.78	6,720.00	6,596.25	79.33	31.98	66.23	-1,466.01	505.39	2,241.31	2,146.27	95.04	23.584	
10,100.00	7,242.36	6,720.00	6,596.25	81.68	31.98	66.23	-1,466.01	505.39	2,314.53	2,218.57	95.96	24.119	
10,200.00	7,242.94	6,687.53	6,568.41	84.07	31.86	65.38	-1,460.07	489.80	2,388.98	2,292.53	96.45	24.770	
10,300.00	7,243.52	6,673.94	6,556.57	86.49	31.81	65.03	-1,457.58	483.60	2,465.18	2,368.10	97.08	25.393	
10,400.00	7,244.10	6,661.19	6,545.37	88.95	31.76	64.69	-1,455.25	477.96	2,542.80	2,445.14	97.66	26.036	
10,500.00	7,244.68	6,627.00	6,514.92	91.43	31.63	63.80	-1,449.03	463.71	2,622.07	2,524.08	97.99	26.759	
10,600.00	7,245.26	6,627.00	6,514.92	93.93	31.63	63.80	-1,449.03	463.71	2,701.96	2,603.37	98.59	27.406	
10,700.00	7,245.84	6,627.00	6,514.92	96.46	31.63	63.80	-1,449.03	463.71	2,783.15	2,684.02	99.13	28.076	
10,800.00	7,246.42	6,627.00	6,514.92	99.01	31.63	63.80	-1,449.03	463.71	2,865.54	2,765.92	99.61	28.766	
10,900.00	7,247.01	6,627.00	6,514.92	101.58	31.63	63.80	-1,449.03	463.71	2,949.01	2,848.96	100.05	29.475	
11,000.00	7,247.59	6,627.00	6,514.92	104.16	31.63	63.80	-1,449.03	463.71	3,033.48	2,933.04	100.44	30.202	
11,100.00	7,248.17	6,627.00	6,514.92	106.76	31.63	63.80	-1,449.03	463.71	3,118.87	3,018.08	100.79	30.944	
11,200.00	7,248.75	6,627.00	6,514.92	109.37	31.63	63.80	-1,449.03	463.71	3,205.11	3,104.00	101.11	31.700	
11,300.00	7,249.33	6,584.84	6,476.52	112.00	31.46	62.70	-1,441.26	448.16	3,290.61	3,189.42	101.20	32.517	
11,400.00	7,249.91	6,578.98	6,471.12	114.64	31.44	62.55	-1,440.16	446.20	3,377.90	3,276.46	101.45	33.298	
11,500.00	7,250.49	6,573.41	6,465.96	117.29	31.41	62.41	-1,439.11	444.38	3,465.82	3,364.15	101.67	34.087	
11,600.00	7,251.07	6,533.00	6,428.13	119.95	31.25	61.37	-1,431.39	432.47	3,555.38	3,453.64	101.74	34.947	
11,700.00	7,251.65	6,533.00	6,428.13	122.62	31.25	61.37	-1,431.39	432.47	3,644.16	3,542.20	101.96	35.741	
11,800.00	7,252.23	6,533.00	6,428.13	125.30	31.25	61.37	-1,431.39	432.47	3,733.51	3,631.34	102.17	36.543	
11,900.00	7,252.82	6,533.00	6,428.13	127.98	31.25	61.37	-1,431.39	432.47	3,823.39	3,721.03	102.35	37.354	
12,000.00	7,253.40	6,533.00	6,428.13	130.68	31.25	61.37	-1,431.39	432.47	3,913.75	3,811.23	102.53	38.173	
12,100.00	7,253.98	6,533.00	6,428.13	133.38	31.25	61.37	-1,431.39	432.47	4,004.58	3,901.90	102.68	39.000	
12,200.00	7,254.56	6,533.00	6,428.13	136.09	31.25	61.37	-1,431.39	432.47	4,095.83	3,993.01	102.83	39.833	
12,300.00	7,255.14	6,533.00	6,428.13	138.81	31.25	61.37	-1,431.39	432.47	4,187.49	4,084.53	102.96	40.672	
12,400.00	7,255.72	6,533.00	6,428.13	141.53	31.25	61.37	-1,431.39	432.47	4,279.51	4,176.43	103.08	41.517	
12,500.00	7,256.30	6,533.00	6,428.13	144.26	31.25	61.37	-1,431.39	432.47	4,371.89	4,268.70	103.19	42.367	
12,600.00	7,256.88	6,533.00	6,428.13	146.99	31.25	61.37	-1,431.39	432.47	4,464.60	4,361.30	103.29	43.222	
12,700.00	7,257.46	6,533.00	6,428.13	149.73	31.25	61.37	-1,431.39	432.47	4,557.61	4,454.22	103.39	44.082	
12,800.00	7,258.04	6,533.00	6,428.13	152.47	31.25	61.37	-1,431.39	432.47	4,650.91	4,547.44	103.48	44.946	
12,900.00	7,258.63	6,533.00	6,428.13	155.22	31.25	61.37	-1,431.39	432.47	4,744.49	4,640.93	103.56	45.814	
13,000.00	7,259.21	6,533.00	6,428.13	157.97	31.25	61.37	-1,431.39	432.47	4,838.33	4,734.69	103.64	46.686	
13,100.00	7,259.79	6,533.00	6,428.13	160.72	31.25	61.37	-1,431.39	432.47	4,932.40	4,828.70	103.71	47.561	
13,200.00	7,260.37	6,533.00	6,428.13	163.48	31.25	61.37	-1,431.39	432.47	5,026.71	4,922.93	103.77	48.439	
13,300.00	7,260.95	6,533.00	6,428.13	166.24	31.25	61.37	-1,431.39	432.47	5,121.23	5,017.39	103.84	49.321	
13,400.00	7,261.53	6,533.00	6,428.13	169.01	31.25	61.37	-1,431.39	432.47	5,215.95	5,112.06	103.89	50.205	
13,480.77	7,262.00	6,533.00	6,428.13	171.24	31.25	61.37	-1,431.39	432.47	5,292.61	5,188.67	103.94	50.920	

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

Offset Design Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 250-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	135.57	-517.67	507.54	725.05				
100.00	100.00	94.09	94.08	3.28	3.29	135.56	-517.39	507.36	724.66	718.09	6.57	110.274	
200.00	200.00	199.79	199.78	3.34	3.31	135.54	-516.40	506.72	723.56	716.91	6.65	108.852	
300.00	300.00	306.42	306.39	3.44	3.38	135.48	-514.41	505.81	721.64	714.82	6.82	105.758	
400.00	399.98	417.26	417.13	3.60	3.52	-19.98	-509.74	505.66	716.91	709.79	7.13	100.574	
500.00	499.84	522.00	521.69	3.79	3.72	-20.51	-503.77	505.17	707.65	700.13	7.52	94.137	
600.00	599.45	608.31	607.92	4.02	3.91	-20.92	-500.51	503.77	695.71	687.78	7.93	87.702	
700.00	698.70	697.34	696.92	4.29	4.13	-21.21	-500.37	501.40	682.32	673.90	8.42	81.064	
800.00	797.47	787.70	787.08	4.59	4.37	-21.27	-504.03	496.95	667.01	658.05	8.96	74.464	
900.00	895.62	885.97	884.70	4.93	4.66	-21.01	-512.14	489.17	649.27	639.70	9.57	67.824	
1,000.00	993.06	984.10	981.64	5.31	4.97	-20.48	-522.89	478.44	628.15	617.91	10.24	61.346	
1,100.00	1,089.64	1,077.91	1,073.76	5.72	5.30	-19.75	-535.52	466.06	604.13	593.19	10.94	55.220	
1,200.00	1,185.27	1,170.46	1,164.39	6.16	5.64	-18.94	-549.24	453.25	577.63	565.95	11.68	49.459	
1,300.00	1,279.82	1,263.71	1,255.47	6.64	6.01	-18.02	-564.10	439.88	548.59	536.14	12.46	44.043	
1,400.00	1,373.17	1,362.34	1,351.60	7.15	6.42	-16.92	-580.33	424.90	516.46	503.17	13.28	38.881	
1,500.00	1,465.21	1,458.42	1,445.22	7.70	6.83	-15.77	-595.59	409.59	480.53	466.40	14.13	34.017	
1,600.00	1,555.84	1,554.44	1,539.00	8.30	7.25	-14.64	-609.67	394.55	441.01	426.03	14.98	29.434	
1,651.50	1,601.92	1,601.27	1,584.88	8.62	7.45	-14.14	-615.88	387.54	419.21	403.79	15.42	27.180	
1,700.00	1,645.13	1,644.40	1,627.25	8.93	7.64	-13.63	-621.28	381.59	398.38	382.55	15.83	25.160	
1,800.00	1,734.20	1,731.27	1,712.87	9.58	8.02	-12.68	-631.47	371.03	355.85	339.17	16.68	21.339	
1,900.00	1,823.28	1,816.89	1,797.61	10.25	8.39	-12.03	-641.03	363.40	314.68	297.15	17.53	17.949	
2,000.00	1,912.36	1,906.37	1,886.43	10.94	8.77	-11.73	-650.52	358.19	274.77	256.37	18.40	14.934	
2,100.00	2,001.43	2,005.23	1,984.69	11.63	9.19	-11.52	-659.91	352.70	234.24	215.00	19.24	12.174	
2,200.00	2,090.51	2,098.37	2,077.41	12.34	9.58	-11.43	-665.83	346.23	190.57	170.49	20.09	9.488	
2,300.00	2,179.59	2,187.30	2,166.00	13.05	9.96	-11.59	-671.25	340.69	147.10	126.13	20.97	7.014	
2,400.00	2,268.66	2,277.01	2,255.43	13.76	10.34	-12.38	-676.75	336.13	104.28	82.40	21.88	4.767	
2,500.00	2,357.74	2,368.20	2,346.36	14.49	10.72	-14.83	-681.94	331.83	61.38	38.61	22.77	2.696	
2,600.00	2,446.82	2,458.02	2,436.10	15.21	11.09	-38.22	-684.14	328.75	18.25	-6.21	24.46	0.746	Level 1
2,634.88	2,477.88	2,489.15	2,467.21	15.47	11.22	-94.45	-684.81	327.84	9.33	-17.03	26.36	0.354	Level 1, CC, ES, SF
2,700.00	2,535.89	2,547.37	2,525.39	15.95	11.46	-164.66	-686.10	326.26	30.62	6.25	24.37	1.257	Level 3
2,800.00	2,624.97	2,636.53	2,614.51	16.68	11.83	-176.26	-687.95	323.85	74.65	49.54	25.11	2.973	
2,900.00	2,714.05	2,725.29	2,703.23	17.42	12.20	-179.17	-689.36	321.39	119.73	93.77	25.96	4.613	
3,000.00	2,803.12	2,813.89	2,791.77	18.16	12.57	179.44	-690.62	318.70	165.16	138.35	26.82	6.159	
3,100.00	2,892.20	2,901.80	2,879.66	18.90	12.93	179.11	-690.82	317.19	211.08	183.42	27.65	7.633	
3,200.00	2,981.28	2,990.76	2,968.62	19.65	13.29	179.08	-690.61	316.22	257.13	228.61	28.52	9.014	
3,300.00	3,070.36	3,079.92	3,057.77	20.40	13.66	178.97	-690.64	314.96	303.09	273.69	29.41	10.307	
3,400.00	3,159.43	3,168.83	3,146.67	21.14	14.03	178.88	-690.76	313.64	348.99	318.71	30.28	11.524	
3,500.00	3,248.51	3,257.58	3,235.42	21.89	14.40	178.80	-690.89	312.33	394.89	363.73	31.16	12.673	
3,600.00	3,337.59	3,345.93	3,323.75	22.65	14.77	178.74	-690.98	310.97	440.85	408.82	32.03	13.764	
3,700.00	3,426.66	3,432.67	3,410.48	23.40	15.13	178.73	-690.75	309.78	487.03	454.17	32.87	14.818	
3,800.00	3,515.74	3,519.07	3,496.87	24.15	15.48	178.75	-690.05	308.69	533.60	499.90	33.70	15.834	
3,900.00	3,604.82	3,607.84	3,585.63	24.91	15.84	178.79	-689.09	307.63	580.37	545.79	34.58	16.784	
4,000.00	3,693.89	3,696.62	3,674.40	25.66	16.21	178.83	-688.22	306.66	627.01	591.55	35.46	17.683	
4,100.00	3,782.97	3,789.59	3,767.36	26.42	16.59	178.85	-687.53	305.65	673.47	637.06	36.41	18.497	
4,200.00	3,872.05	3,885.95	3,863.72	27.18	16.97	178.97	-687.19	306.02	719.04	681.65	37.40	19.226	
4,300.00	3,961.12	3,977.16	3,954.90	27.94	17.33	179.22	-686.75	308.26	763.93	725.64	38.29	19.951	
4,400.00	4,050.20	4,065.61	4,043.33	28.69	17.67	179.40	-686.44	310.05	808.86	769.73	39.14	20.667	
4,500.00	4,139.28	4,157.45	4,135.16	29.45	18.03	179.55	-686.29	311.60	853.80	813.76	40.04	21.324	
4,600.00	4,228.35	4,248.22	4,225.92	30.21	18.38	179.64	-686.67	312.91	898.36	857.43	40.93	21.950	
4,700.00	4,317.43	4,338.18	4,315.87	30.97	18.74	179.69	-687.18	313.69	943.01	901.20	41.81	22.554	
4,800.00	4,406.51	4,431.69	4,409.37	31.73	19.12	179.71	-688.16	314.28	987.37	944.62	42.75	23.097	
4,900.00	4,495.59	4,523.15	4,500.82	32.50	19.49	179.72	-689.51	314.71	1,031.44	987.78	43.66	23.623	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 250-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,611.97	4,589.63	33.26	19.86	179.71	-690.90	314.98	1,075.51	1,030.97	44.54	24.145	
5,100.00	4,673.74	4,706.60	4,684.26	34.02	20.25	179.70	-692.34	315.27	1,119.61	1,074.11	45.50	24.605	
5,200.00	4,762.82	4,805.20	4,782.81	34.78	20.67	179.68	-694.92	315.75	1,162.72	1,116.21	46.52	24.997	
5,300.00	4,851.89	4,886.98	4,864.56	35.54	21.01	179.62	-697.21	315.36	1,206.09	1,158.77	47.32	25.489	
5,400.00	4,940.97	4,967.71	4,945.27	36.31	21.36	179.54	-699.12	314.28	1,250.12	1,202.01	48.11	25.985	
5,500.00	5,030.05	5,051.62	5,029.15	37.07	21.72	179.46	-700.71	312.89	1,294.67	1,245.72	48.95	26.451	
5,600.00	5,119.12	5,142.06	5,119.57	37.83	22.11	179.38	-702.20	311.47	1,339.39	1,289.52	49.87	26.858	
5,700.00	5,208.20	5,210.45	5,187.95	38.60	22.40	179.36	-702.72	310.64	1,384.71	1,334.21	50.50	27.422	
5,800.00	5,297.28	5,279.57	5,257.06	39.36	22.69	179.36	-701.89	310.08	1,431.40	1,380.28	51.12	27.999	
5,900.00	5,386.35	5,353.70	5,331.17	40.13	22.99	179.38	-700.15	309.24	1,479.14	1,427.32	51.81	28.547	
6,000.00	5,475.43	5,437.59	5,415.01	40.89	23.34	179.40	-697.81	308.08	1,527.34	1,474.69	52.64	29.014	
6,100.00	5,564.51	5,523.67	5,501.04	41.66	23.70	179.38	-695.56	306.23	1,575.68	1,522.18	53.50	29.450	
6,200.00	5,653.58	5,668.17	5,645.50	42.42	24.32	179.31	-694.77	303.11	1,622.30	1,567.16	55.14	29.419	
6,300.00	5,742.66	5,774.45	5,751.75	43.19	24.77	179.27	-696.40	301.86	1,666.93	1,610.67	56.26	29.627	
6,400.00	5,831.74	5,844.34	5,821.64	43.95	25.07	179.25	-697.41	301.32	1,711.58	1,654.65	56.93	30.063	
6,500.00	5,920.82	5,903.00	5,880.29	44.72	25.32	179.24	-697.10	300.63	1,757.84	1,700.39	57.45	30.598	
6,600.00	6,009.89	5,998.93	5,976.20	45.48	25.72	179.24	-695.92	299.47	1,804.75	1,746.31	58.44	30.881	
6,700.00	6,098.97	6,100.76	6,078.03	46.25	26.15	179.25	-695.29	298.66	1,850.99	1,791.48	59.51	31.106	
6,800.00	6,188.05	6,187.15	6,164.41	47.01	26.52	179.25	-694.94	298.11	1,897.00	1,836.62	60.38	31.418	
6,900.00	6,277.12	6,273.60	6,250.87	47.78	26.89	179.26	-694.49	297.59	1,943.09	1,881.84	61.25	31.723	
7,000.00	6,366.20	7,740.49	7,146.25	48.55	37.35	-157.15	-691.43	1,161.11	1,963.91	1,889.50	74.41	26.394	
7,100.00	6,455.28	7,754.22	7,146.38	49.31	37.57	-156.76	-691.51	1,174.84	1,968.17	1,892.25	75.92	25.926	
7,197.64	6,542.25	7,768.24	7,146.59	50.06	37.80	-156.36	-691.58	1,188.86	1,977.06	1,899.83	77.23	25.600	
7,200.00	6,544.35	7,768.58	7,146.59	50.08	37.81	-156.76	-691.58	1,189.20	1,977.34	1,900.08	77.26	25.594	
7,250.00	6,589.22	7,774.52	7,146.71	50.44	37.91	-165.86	-691.60	1,195.13	1,983.77	1,905.94	77.84	25.487	
7,300.00	6,634.48	7,777.78	7,146.77	50.77	37.96	-175.93	-691.61	1,198.40	1,991.46	1,913.15	78.31	25.430	
7,350.00	6,679.86	7,778.27	7,146.79	51.06	37.97	173.55	-691.61	1,198.89	2,000.36	1,921.68	78.68	25.424	
7,400.00	6,725.09	7,775.88	7,146.73	51.31	37.93	163.18	-691.60	1,196.49	2,010.39	1,931.45	78.94	25.466	
7,450.00	6,769.87	7,770.50	7,146.63	51.52	37.84	153.45	-691.59	1,191.11	2,021.48	1,942.38	79.10	25.555	
7,500.00	6,813.94	7,762.06	7,146.48	51.69	37.70	144.63	-691.55	1,182.68	2,033.49	1,954.33	79.16	25.688	
7,550.00	6,857.03	7,750.51	7,146.34	51.84	37.51	136.79	-691.49	1,171.13	2,046.30	1,967.18	79.12	25.862	
7,600.00	6,898.86	7,735.82	7,146.23	51.95	37.27	129.88	-691.40	1,156.44	2,059.74	1,980.74	79.00	26.072	
7,650.00	6,939.19	7,717.98	7,146.21	52.05	36.98	123.78	-691.26	1,138.60	2,073.64	1,994.84	78.80	26.315	
7,700.00	6,977.75	7,694.68	7,146.38	52.13	36.61	118.31	-691.04	1,115.31	2,087.81	2,009.32	78.49	26.599	
7,750.00	7,014.32	7,657.73	7,146.45	52.20	36.06	113.22	-690.73	1,078.35	2,101.92	2,023.97	77.95	26.966	
7,800.00	7,048.67	7,617.95	7,146.02	52.26	35.47	108.68	-690.50	1,038.58	2,115.69	2,038.33	77.36	27.349	
7,850.00	7,080.59	7,586.33	7,145.23	52.33	35.03	104.84	-690.35	1,006.97	2,128.97	2,051.99	76.98	27.656	
7,900.00	7,109.87	7,557.87	7,143.89	52.39	34.65	101.51	-690.10	978.54	2,141.74	2,065.03	76.71	27.919	
7,950.00	7,136.35	7,528.54	7,141.86	52.47	34.26	98.57	-689.71	949.29	2,153.87	2,077.40	76.47	28.166	
8,000.00	7,159.85	7,487.17	7,137.93	52.55	33.75	95.82	-689.01	908.11	2,165.18	2,089.10	76.08	28.459	
8,050.00	7,180.23	7,429.07	7,130.68	52.64	33.06	93.24	-688.37	850.47	2,175.15	2,099.68	75.47	28.822	
8,100.00	7,197.37	7,393.82	7,124.99	52.75	32.69	91.32	-688.12	815.69	2,183.73	2,108.37	75.36	28.979	
8,150.00	7,211.16	7,365.71	7,118.84	52.88	32.41	89.79	-687.79	788.26	2,191.21	2,115.77	75.45	29.044	
8,200.00	7,221.51	7,338.06	7,111.36	53.03	32.13	88.52	-687.33	761.65	2,197.57	2,121.97	75.60	29.067	
8,250.00	7,228.37	7,288.45	7,094.58	53.20	31.69	87.26	-686.43	714.99	2,202.66	2,127.19	75.47	29.186	
8,300.00	7,231.68	7,210.55	7,060.88	53.40	31.06	85.91	-686.45	644.82	2,205.65	2,130.73	74.92	29.440	
8,317.45	7,232.00	7,183.14	7,046.91	53.47	30.88	85.48	-686.92	621.23	2,206.16	2,131.40	74.75	29.512	
8,400.00	7,232.48	7,112.98	7,006.41	53.86	30.43	84.42	-689.19	564.04	2,208.04	2,133.03	75.01	29.435	
8,500.00	7,233.06	7,074.94	6,982.15	54.44	30.22	83.78	-690.22	534.76	2,212.90	2,136.62	76.28	29.011	
8,600.00	7,233.64	7,036.00	6,955.92	55.14	30.02	83.10	-690.79	505.99	2,221.02	2,143.38	77.64	28.608	
8,700.00	7,234.22	7,002.72	6,932.33	55.99	29.87	82.49	-690.99	482.53	2,232.42	2,153.21	79.21	28.185	
8,800.00	7,234.80	6,969.04	6,907.29	57.00	29.72	81.85	-691.04	460.01	2,247.14	2,166.31	80.83	27.801	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 250-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	6,941.00	6,885.60	58.18	29.59	81.29	-690.97	442.24	2,265.27	2,182.69	82.58	27.431	
9,000.00	7,235.97	6,902.83	6,854.78	59.53	29.44	80.50	-690.95	419.74	2,286.74	2,202.55	84.19	27.160	
9,100.00	7,236.55	6,873.13	6,829.77	61.04	29.32	79.86	-691.14	403.73	2,311.56	2,225.62	85.93	26.900	
9,200.00	7,237.13	6,846.00	6,806.19	62.69	29.21	79.27	-691.48	390.31	2,339.79	2,252.11	87.68	26.685	
9,300.00	7,237.71	6,811.11	6,775.27	64.47	29.08	78.48	-692.11	374.17	2,371.30	2,282.02	89.27	26.562	
9,400.00	7,238.29	6,776.41	6,744.14	66.36	28.94	77.70	-692.97	358.85	2,405.88	2,315.06	90.81	26.492	
9,500.00	7,238.87	6,753.00	6,722.95	68.34	28.85	77.16	-693.66	348.95	2,443.50	2,351.04	92.46	26.428	
9,600.00	7,239.45	6,753.00	6,722.95	70.41	28.85	77.16	-693.66	348.95	2,484.45	2,390.09	94.36	26.330	
9,700.00	7,240.03	6,753.00	6,722.95	72.55	28.85	77.16	-693.66	348.95	2,528.68	2,432.53	96.15	26.298	
9,800.00	7,240.61	6,753.00	6,722.95	74.76	28.85	77.16	-693.66	348.95	2,576.04	2,478.20	97.84	26.329	
9,900.00	7,241.20	6,716.22	6,688.99	77.02	28.71	76.31	-694.55	334.85	2,625.13	2,526.16	98.97	26.525	
10,000.00	7,241.78	6,709.26	6,682.46	79.33	28.68	76.15	-694.65	332.47	2,677.69	2,577.31	100.38	26.675	
10,100.00	7,242.36	6,702.80	6,676.37	81.68	28.66	76.00	-694.73	330.33	2,732.83	2,631.12	101.71	26.870	
10,200.00	7,242.94	6,696.79	6,670.67	84.07	28.63	75.86	-694.78	328.41	2,790.38	2,687.44	102.94	27.106	
10,300.00	7,243.52	6,659.00	6,634.39	86.49	28.49	74.97	-694.78	317.87	2,851.23	2,747.49	103.73	27.486	
10,400.00	7,244.10	6,659.00	6,634.39	88.95	28.49	74.97	-694.78	317.87	2,912.93	2,808.05	104.87	27.775	
10,500.00	7,244.68	6,659.00	6,634.39	91.43	28.49	74.97	-694.78	317.87	2,976.71	2,870.78	105.93	28.101	
10,600.00	7,245.26	6,659.00	6,634.39	93.93	28.49	74.97	-694.78	317.87	3,042.44	2,935.54	106.90	28.460	
10,700.00	7,245.84	6,659.00	6,634.39	96.46	28.49	74.97	-694.78	317.87	3,110.00	3,002.20	107.80	28.851	
10,800.00	7,246.42	6,659.00	6,634.39	99.01	28.49	74.97	-694.78	317.87	3,179.27	3,070.64	108.62	29.269	
10,900.00	7,247.01	6,659.00	6,634.39	101.58	28.49	74.97	-694.78	317.87	3,250.13	3,140.75	109.38	29.714	
11,000.00	7,247.59	6,659.00	6,634.39	104.16	28.49	74.97	-694.78	317.87	3,322.50	3,212.42	110.08	30.182	
11,100.00	7,248.17	6,659.00	6,634.39	106.76	28.49	74.97	-694.78	317.87	3,396.27	3,285.55	110.72	30.673	
11,200.00	7,248.75	6,659.00	6,634.39	109.37	28.49	74.97	-694.78	317.87	3,471.36	3,360.04	111.31	31.185	
11,300.00	7,249.33	6,659.00	6,634.39	112.00	28.49	74.97	-694.78	317.87	3,547.67	3,435.81	111.86	31.716	
11,400.00	7,249.91	6,659.00	6,634.39	114.64	28.49	74.97	-694.78	317.87	3,625.14	3,512.78	112.36	32.264	
11,500.00	7,250.49	6,659.00	6,634.39	117.29	28.49	74.97	-694.78	317.87	3,703.68	3,590.87	112.82	32.829	
11,600.00	7,251.07	6,659.00	6,634.39	119.95	28.49	74.97	-694.78	317.87	3,783.24	3,670.00	113.24	33.409	
11,700.00	7,251.65	6,659.00	6,634.39	122.62	28.49	74.97	-694.78	317.87	3,863.75	3,750.12	113.63	34.004	
11,800.00	7,252.23	6,659.00	6,634.39	125.30	28.49	74.97	-694.78	317.87	3,945.15	3,831.17	113.99	34.611	
11,900.00	7,252.82	6,659.00	6,634.39	127.98	28.49	74.97	-694.78	317.87	4,027.39	3,913.07	114.31	35.231	
12,000.00	7,253.40	6,619.25	6,595.60	130.68	28.33	74.03	-694.41	309.21	4,109.32	3,994.93	114.39	35.925	
12,100.00	7,253.98	6,616.06	6,592.47	133.38	28.32	73.95	-694.37	308.60	4,192.90	4,078.24	114.66	36.570	
12,200.00	7,254.56	6,613.01	6,589.47	136.09	28.31	73.88	-694.34	308.04	4,277.17	4,162.27	114.90	37.224	
12,300.00	7,255.14	6,610.09	6,586.60	138.81	28.29	73.81	-694.31	307.50	4,362.09	4,246.96	115.13	37.888	
12,400.00	7,255.72	6,607.29	6,583.84	141.53	28.28	73.75	-694.28	307.01	4,447.63	4,332.29	115.34	38.560	
12,500.00	7,256.30	6,604.60	6,581.20	144.26	28.27	73.68	-694.25	306.54	4,533.75	4,418.21	115.54	39.239	
12,600.00	7,256.88	6,564.00	6,541.04	146.99	28.11	72.72	-693.75	300.58	4,621.44	4,505.93	115.51	40.009	
12,700.00	7,257.46	6,564.00	6,541.04	149.73	28.11	72.72	-693.75	300.58	4,708.50	4,592.81	115.70	40.696	
12,800.00	7,258.04	6,564.00	6,541.04	152.47	28.11	72.72	-693.75	300.58	4,796.07	4,680.20	115.87	41.391	
12,900.00	7,258.63	6,564.00	6,541.04	155.22	28.11	72.72	-693.75	300.58	4,884.12	4,768.09	116.03	42.093	
13,000.00	7,259.21	6,564.00	6,541.04	157.97	28.11	72.72	-693.75	300.58	4,972.62	4,856.43	116.18	42.800	
13,100.00	7,259.79	6,564.00	6,541.04	160.72	28.11	72.72	-693.75	300.58	5,061.54	4,945.22	116.32	43.514	
13,200.00	7,260.37	6,564.00	6,541.04	163.48	28.11	72.72	-693.75	300.58	5,150.87	5,034.43	116.45	44.233	
13,300.00	7,260.95	6,564.00	6,541.04	166.24	28.11	72.72	-693.75	300.58	5,240.59	5,124.02	116.57	44.957	
13,400.00	7,261.53	6,564.00	6,541.04	169.01	28.11	72.72	-693.75	300.58	5,330.68	5,214.00	116.68	45.686	
13,480.77	7,262.00	6,564.00	6,541.04	171.24	28.11	72.72	-693.75	300.58	5,403.69	5,286.93	116.76	46.278	

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

Offset Design Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 342-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	132.02	-457.56	507.82	683.64				
100.00	100.00	89.41	89.41	3.28	3.29	131.99	-457.32	508.00	683.53	676.96	6.57	104.028	
200.00	200.00	189.86	189.86	3.34	3.31	131.91	-456.48	508.63	683.43	676.79	6.64	102.874	
300.00	300.00	290.29	290.27	3.44	3.34	131.76	-455.03	509.72	683.28	676.49	6.79	100.686	
400.00	399.98	403.60	403.54	3.60	3.44	-23.67	-452.59	510.78	681.00	673.97	7.03	96.805	
500.00	499.84	527.73	527.55	3.79	3.63	-24.14	-447.75	508.45	672.23	664.79	7.45	90.279	
600.00	599.45	645.35	644.78	4.02	3.89	-24.99	-439.09	504.58	657.00	649.05	7.95	82.608	
700.00	698.70	748.93	747.82	4.29	4.15	-26.09	-429.35	500.48	636.98	628.50	8.49	75.064	
800.00	797.47	853.60	851.84	4.59	4.45	-27.52	-418.71	495.95	613.37	604.28	9.09	67.505	
900.00	895.62	963.00	960.15	4.93	4.80	-29.64	-404.16	490.81	584.90	575.14	9.76	59.925	
1,000.00	993.06	1,066.55	1,062.18	5.31	5.16	-32.40	-387.33	485.47	552.09	541.63	10.45	52.816	
1,100.00	1,089.64	1,158.90	1,152.79	5.72	5.50	-35.70	-370.19	480.68	516.22	505.08	11.14	46.332	
1,200.00	1,185.27	1,246.27	1,238.54	6.16	5.83	-39.55	-354.01	476.16	479.17	467.31	11.86	40.417	
1,300.00	1,279.82	1,335.20	1,325.88	6.64	6.18	-44.28	-338.03	471.29	441.59	428.97	12.62	34.979	
1,400.00	1,373.17	1,422.55	1,411.40	7.15	6.54	-50.20	-320.96	466.39	403.90	390.45	13.45	30.030	
1,500.00	1,465.21	1,506.69	1,493.41	7.70	6.89	-57.44	-302.70	461.76	368.07	353.72	14.35	25.649	
1,600.00	1,555.84	1,586.72	1,570.98	8.30	7.24	-65.91	-283.61	457.00	336.67	321.32	15.34	21.940	
1,651.50	1,601.92	1,624.97	1,607.99	8.62	7.41	-70.45	-274.23	454.73	323.67	307.78	15.89	20.371	
1,700.00	1,645.13	1,660.74	1,642.61	8.93	7.57	-74.68	-265.45	452.67	314.22	297.80	16.41	19.146	
1,800.00	1,734.20	1,733.14	1,712.79	9.58	7.89	-83.49	-248.04	449.02	305.02	287.55	17.47	17.465	
1,813.47	1,746.20	1,743.03	1,722.39	9.67	7.94	-84.69	-245.72	448.60	304.89	287.29	17.60	17.322	CC, ES
1,900.00	1,823.28	1,807.33	1,784.93	10.25	8.23	-92.43	-230.96	446.23	310.18	291.76	18.42	16.842	SF
2,000.00	1,912.36	1,884.90	1,860.57	10.94	8.58	-101.20	-213.89	444.19	328.31	309.06	19.25	17.056	
2,100.00	2,001.43	1,965.49	1,939.29	11.63	8.94	-109.46	-196.79	441.96	356.40	336.41	19.99	17.826	
2,200.00	2,090.51	2,047.32	2,019.39	12.34	9.31	-116.80	-180.22	439.53	391.91	371.22	20.69	18.943	
2,300.00	2,179.59	2,122.88	2,093.31	13.05	9.65	-122.73	-164.76	436.85	433.44	412.15	21.29	20.363	
2,400.00	2,268.66	2,196.92	2,165.60	13.76	9.99	-127.81	-149.04	434.00	480.06	458.21	21.85	21.966	
2,500.00	2,357.74	2,267.17	2,234.09	14.49	10.32	-131.93	-133.59	431.72	530.85	508.46	22.39	23.714	
2,600.00	2,446.82	2,339.26	2,304.13	15.21	10.66	-135.55	-116.67	429.83	585.36	562.40	22.96	25.498	
2,700.00	2,535.89	2,433.04	2,395.63	15.95	11.10	-139.49	-96.21	427.49	640.42	616.58	23.85	26.855	
2,800.00	2,624.97	2,506.44	2,467.32	16.68	11.44	-142.14	-80.66	425.14	696.36	671.89	24.47	28.453	
2,900.00	2,714.05	2,574.70	2,533.84	17.42	11.76	-144.34	-65.57	422.56	754.13	729.09	25.05	30.110	
3,000.00	2,803.12	2,654.30	2,611.26	18.16	12.14	-146.60	-47.33	419.47	813.44	787.65	25.79	31.546	
3,100.00	2,892.20	2,732.53	2,687.53	18.90	12.51	-148.55	-30.19	416.26	872.68	846.16	26.52	32.908	
3,200.00	2,981.28	2,799.47	2,752.66	19.65	12.83	-149.96	-14.88	414.46	933.24	906.13	27.11	34.419	
3,300.00	3,070.36	2,891.23	2,842.04	20.40	13.27	-151.64	5.80	412.29	993.99	965.93	28.06	35.429	
3,400.00	3,159.43	2,940.52	2,889.94	21.14	13.51	-152.49	17.28	410.64	1,055.66	1,027.23	28.43	37.130	
3,500.00	3,248.51	3,008.51	2,955.66	21.89	13.85	-153.60	34.42	407.58	1,119.24	1,090.18	29.06	38.508	
3,600.00	3,337.59	3,128.43	3,072.19	22.65	14.43	-155.36	62.06	401.68	1,181.54	1,151.15	30.40	38.872	
3,700.00	3,426.66	3,203.52	3,145.58	23.40	14.79	-156.32	77.63	398.36	1,242.24	1,211.10	31.13	39.901	
3,800.00	3,515.74	3,270.74	3,211.05	24.15	15.12	-157.10	92.60	395.54	1,304.28	1,272.50	31.77	41.049	
3,900.00	3,604.82	3,409.45	3,346.97	24.91	15.77	-158.55	119.55	389.49	1,364.04	1,330.74	33.30	40.963	
4,000.00	3,693.89	3,491.95	3,428.14	25.66	16.16	-159.32	133.90	386.11	1,422.61	1,388.48	34.13	41.684	
4,100.00	3,782.97	3,556.35	3,491.46	26.42	16.46	-159.85	145.46	384.06	1,481.68	1,446.93	34.75	42.637	
4,200.00	3,872.05	3,609.01	3,543.08	27.18	16.71	-160.25	155.73	382.38	1,542.10	1,506.87	35.23	43.769	
4,300.00	3,961.12	3,677.54	3,610.06	27.94	17.04	-160.74	169.99	380.05	1,603.65	1,567.74	35.91	44.655	
4,400.00	4,050.20	3,744.55	3,675.53	28.69	17.36	-161.19	184.11	377.63	1,665.55	1,628.98	36.57	45.538	
4,500.00	4,139.28	3,801.85	3,731.37	29.45	17.64	-161.53	196.87	376.04	1,728.33	1,691.21	37.12	46.561	
4,600.00	4,228.35	3,850.60	3,778.73	30.21	17.88	-161.80	208.40	374.95	1,792.20	1,754.64	37.56	47.717	
4,700.00	4,317.43	3,902.00	3,828.43	30.97	18.14	-162.06	221.41	373.71	1,857.35	1,819.31	38.03	48.838	
4,800.00	4,406.51	3,945.64	3,870.47	31.73	18.36	-162.27	233.05	372.44	1,923.62	1,885.22	38.40	50.091	
4,900.00	4,495.59	3,997.00	3,919.78	32.50	18.62	-162.52	247.31	370.52	1,990.93	1,952.05	38.88	51.211	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 342-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,053.66	3,974.01	33.26	18.91	-162.79	263.54	368.28	2,058.99	2,019.56	39.43	52.221	
5,100.00	4,673.74	4,140.13	4,056.70	34.02	19.36	-163.15	288.65	365.38	2,127.34	2,086.95	40.39	52.670	
5,200.00	4,762.82	4,410.94	4,319.55	34.78	20.70	-164.21	352.63	356.93	2,190.91	2,147.27	43.63	50.212	
5,300.00	4,851.89	4,471.07	4,378.45	35.54	20.99	-164.46	364.50	354.45	2,252.31	2,208.07	44.24	50.916	
5,400.00	4,940.97	4,541.55	4,447.40	36.31	21.33	-164.73	378.78	351.49	2,314.18	2,269.22	44.96	51.470	
5,500.00	5,030.05	4,610.38	4,514.68	37.07	21.67	-164.97	393.00	348.76	2,376.36	2,330.69	45.67	52.033	
5,600.00	5,119.12	4,692.75	4,595.16	37.83	22.07	-165.24	410.36	345.97	2,438.78	2,392.24	46.54	52.401	
5,700.00	5,208.20	4,784.62	4,685.03	38.60	22.51	-165.52	429.10	342.81	2,500.71	2,453.19	47.52	52.623	
5,800.00	5,297.28	4,886.94	4,785.24	39.36	23.00	-165.86	449.18	337.75	2,562.41	2,513.79	48.61	52.709	
5,900.00	5,386.35	4,972.04	4,868.76	40.13	23.41	-166.18	464.50	332.00	2,623.15	2,573.64	49.50	52.988	
6,000.00	5,475.43	5,025.00	4,920.66	40.89	23.66	-166.37	474.36	328.47	2,684.44	2,634.41	50.03	53.653	
6,100.00	5,564.51	5,067.73	4,962.46	41.66	23.87	-166.51	482.85	325.78	2,746.66	2,696.21	50.45	54.447	
6,200.00	5,653.58	5,120.00	5,013.40	42.42	24.13	-166.67	494.14	322.68	2,810.04	2,759.07	50.97	55.133	
6,300.00	5,742.66	5,153.76	5,046.20	43.19	24.30	-166.76	501.90	320.88	2,874.27	2,823.00	51.27	56.062	
6,400.00	5,831.74	5,520.10	5,405.86	43.95	26.03	-167.44	569.69	314.03	2,932.89	2,877.60	55.29	53.045	
6,500.00	5,920.82	5,584.02	5,469.05	44.72	26.32	-167.53	579.33	314.46	2,989.99	2,934.03	55.96	53.430	
6,600.00	6,009.89	5,951.12	5,833.88	45.48	27.90	-168.08	618.22	315.59	3,043.87	2,984.44	59.43	51.222	
6,700.00	6,098.97	6,106.44	5,989.06	46.25	28.53	-168.36	624.87	315.32	3,092.19	3,031.35	60.84	50.827	
6,800.00	6,188.05	6,254.27	6,136.84	47.01	29.11	-168.65	628.01	313.64	3,139.06	3,076.90	62.16	50.502	
6,900.00	6,277.12	6,371.28	6,253.84	47.78	29.56	-168.89	628.58	312.29	3,184.48	3,121.26	63.23	50.366	
7,000.00	6,366.20	7,767.54	7,050.34	48.55	38.40	-154.72	642.13	1,179.10	3,207.42	3,131.68	75.74	42.347	
7,100.00	6,455.28	7,781.71	7,050.48	49.31	38.62	-154.47	642.00	1,193.27	3,229.65	3,152.87	76.78	42.065	
7,197.64	6,542.25	7,797.76	7,050.63	50.06	38.89	-154.18	641.88	1,209.32	3,254.08	3,176.30	77.78	41.837	
7,200.00	6,544.35	7,798.14	7,050.63	50.08	38.90	-154.62	641.88	1,209.70	3,254.71	3,176.90	77.80	41.832	
7,250.00	6,589.22	7,804.57	7,050.69	50.44	39.00	-164.47	641.84	1,216.12	3,268.37	3,190.12	78.25	41.768	
7,300.00	6,634.48	7,807.82	7,050.72	50.77	39.06	-175.23	641.82	1,219.38	3,282.86	3,204.25	78.61	41.762	
7,350.00	6,679.86	7,807.92	7,050.72	51.06	39.06	173.61	641.82	1,219.47	3,298.07	3,219.19	78.88	41.812	
7,400.00	6,725.09	7,804.90	7,050.69	51.31	39.01	162.67	641.83	1,216.46	3,313.91	3,234.85	79.06	41.914	
7,450.00	6,769.87	7,798.82	7,050.64	51.52	38.91	152.45	641.87	1,210.38	3,330.26	3,251.09	79.17	42.065	
7,500.00	6,813.94	7,789.75	7,050.56	51.69	38.76	143.24	641.94	1,201.30	3,347.00	3,267.79	79.20	42.259	
7,550.00	6,857.03	7,778.00	7,050.44	51.84	38.56	135.09	642.03	1,189.56	3,363.97	3,284.80	79.17	42.489	
7,600.00	6,898.86	7,764.19	7,050.32	51.95	38.35	127.97	642.16	1,175.75	3,381.05	3,301.93	79.12	42.734	
7,650.00	6,939.19	7,747.81	7,050.25	52.05	38.10	121.75	642.34	1,159.37	3,398.08	3,319.06	79.02	43.004	
7,700.00	6,977.75	7,728.70	7,050.27	52.13	37.81	116.29	642.58	1,140.27	3,414.90	3,336.03	78.88	43.295	
7,750.00	7,014.32	7,706.96	7,050.41	52.20	37.48	111.50	642.89	1,118.53	3,431.37	3,352.67	78.70	43.601	
7,800.00	7,048.67	7,627.73	7,050.98	52.26	36.37	106.61	643.75	1,039.31	3,447.19	3,369.63	77.56	44.448	
7,850.00	7,080.59	7,466.00	7,046.98	52.33	34.45	101.42	641.59	877.74	3,461.63	3,386.36	75.27	45.987	
7,900.00	7,109.87	7,442.33	7,044.35	52.39	34.22	98.39	640.81	854.23	3,474.04	3,398.79	75.25	46.169	
7,950.00	7,136.35	7,419.05	7,041.08	52.47	34.00	95.76	640.12	831.18	3,485.46	3,410.20	75.26	46.311	
8,000.00	7,159.85	7,395.36	7,037.07	52.55	33.78	93.51	639.49	807.85	3,495.81	3,420.49	75.32	46.416	
8,050.00	7,180.23	8,050.00	6,981.01	52.64	38.09	89.93	631.61	644.30	3,504.63	3,425.24	79.39	44.142	
8,100.00	7,197.37	7,183.00	6,964.25	52.75	32.48	88.24	628.89	609.94	3,510.94	3,437.43	73.51	47.763	
8,150.00	7,211.16	7,183.00	6,964.25	52.88	32.48	87.28	628.89	609.94	3,515.91	3,441.85	74.05	47.478	
8,200.00	7,221.51	7,183.00	6,964.25	53.03	32.48	86.57	628.89	609.94	3,519.73	3,445.07	74.66	47.143	
8,250.00	7,228.37	7,183.00	6,964.25	53.20	32.48	86.10	628.89	609.94	3,522.38	3,447.05	75.33	46.759	
8,300.00	7,231.68	7,183.00	6,964.25	53.40	32.48	85.86	628.89	609.94	3,523.85	3,447.80	76.05	46.334	
8,317.45	7,232.00	7,183.00	6,964.25	53.47	32.48	85.82	628.89	609.94	3,524.08	3,447.77	76.32	46.176	
8,365.40	7,232.28	7,144.61	6,943.15	53.69	32.33	85.48	626.49	577.99	3,523.41	3,446.77	76.64	45.974	
8,400.00	7,232.48	7,140.57	6,940.78	53.86	32.32	85.44	626.37	574.71	3,524.04	3,446.90	77.15	45.681	
8,500.00	7,233.06	7,091.00	6,909.68	54.44	32.15	84.93	626.91	536.16	3,529.04	3,450.75	78.29	45.077	
8,600.00	7,233.64	7,091.00	6,909.68	55.14	32.15	84.93	626.91	536.16	3,534.47	3,454.32	80.14	44.101	
8,700.00	7,234.22	7,091.00	6,909.68	55.99	32.15	84.93	626.91	536.16	3,542.70	3,460.60	82.10	43.150	

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

Offset Design Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 342-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	7,091.00	6,909.68	57.00	32.15	84.93	626.91	536.16	3,553.74	3,469.60	84.14	42.237	
8,900.00	7,235.39	7,091.00	6,909.68	58.18	32.15	84.93	626.91	536.16	3,567.54	3,481.31	86.23	41.371	
9,000.00	7,235.97	7,052.96	6,883.63	59.53	32.02	84.51	628.92	508.52	3,583.53	3,495.55	87.98	40.730	
9,100.00	7,236.55	7,028.00	6,865.72	61.04	31.93	84.22	630.39	491.19	3,601.77	3,511.87	89.90	40.063	
9,200.00	7,237.13	6,997.00	6,842.64	62.69	31.83	83.85	632.40	470.60	3,622.25	3,530.47	91.78	39.465	
9,300.00	7,237.71	6,997.00	6,842.64	64.47	31.83	83.85	632.40	470.60	3,644.99	3,551.01	93.98	38.784	
9,400.00	7,238.29	6,965.73	6,818.26	66.36	31.73	83.46	634.57	451.15	3,669.87	3,573.98	95.89	38.271	
9,500.00	7,238.87	6,949.01	6,804.73	68.34	31.67	83.24	635.76	441.39	3,697.07	3,599.15	97.92	37.757	
9,600.00	7,239.45	6,905.00	6,767.61	70.41	31.53	82.65	639.01	418.00	3,726.93	3,627.24	99.69	37.386	
9,700.00	7,240.03	6,905.00	6,767.61	72.55	31.53	82.65	639.01	418.00	3,758.30	3,656.49	101.81	36.914	
9,800.00	7,240.61	6,905.00	6,767.61	74.76	31.53	82.65	639.01	418.00	3,792.05	3,688.16	103.89	36.500	
9,900.00	7,241.20	6,880.85	6,746.46	77.02	31.45	82.32	640.69	406.47	3,827.99	3,722.26	105.74	36.203	
10,000.00	7,241.78	6,660.06	6,540.79	79.33	30.67	79.05	637.55	328.05	3,864.38	3,758.55	105.83	36.516	
10,100.00	7,242.36	6,651.17	6,532.20	81.68	30.64	78.91	636.77	325.90	3,902.60	3,794.87	107.73	36.226	
10,200.00	7,242.94	6,625.00	6,506.76	84.07	30.54	78.50	634.35	320.25	3,943.06	3,833.65	109.41	36.040	
10,300.00	7,243.52	6,625.00	6,506.76	86.49	30.54	78.50	634.35	320.25	3,985.39	3,874.11	111.28	35.814	
10,400.00	7,244.10	6,625.00	6,506.76	88.95	30.54	78.50	634.35	320.25	4,029.75	3,916.66	113.09	35.633	
10,500.00	7,244.68	6,625.00	6,506.76	91.43	30.54	78.50	634.35	320.25	4,076.09	3,961.25	114.84	35.495	
10,600.00	7,245.26	6,625.00	6,506.76	93.93	30.54	78.50	634.35	320.25	4,124.32	4,007.81	116.52	35.397	
10,700.00	7,245.84	6,625.00	6,506.76	96.46	30.54	78.50	634.35	320.25	4,174.40	4,056.27	118.13	35.337	
10,800.00	7,246.42	6,625.00	6,506.76	99.01	30.54	78.50	634.35	320.25	4,226.25	4,106.57	119.69	35.311	
10,900.00	7,247.01	6,625.00	6,506.76	101.58	30.54	78.50	634.35	320.25	4,279.81	4,158.64	121.17	35.319	
11,000.00	7,247.59	6,625.00	6,506.76	104.16	30.54	78.50	634.35	320.25	4,335.02	4,212.42	122.60	35.359	
11,100.00	7,248.17	6,625.00	6,506.76	106.76	30.54	78.50	634.35	320.25	4,391.80	4,267.84	123.97	35.427	
11,200.00	7,248.75	6,625.00	6,506.76	109.37	30.54	78.50	634.35	320.25	4,450.12	4,324.84	125.28	35.523	
11,300.00	7,249.33	6,625.00	6,506.76	112.00	30.54	78.50	634.35	320.25	4,509.89	4,383.37	126.52	35.644	
11,400.00	7,249.91	6,625.00	6,506.76	114.64	30.54	78.50	634.35	320.25	4,571.07	4,443.35	127.72	35.790	
11,500.00	7,250.49	6,625.00	6,506.76	117.29	30.54	78.50	634.35	320.25	4,633.60	4,504.74	128.86	35.959	
11,600.00	7,251.07	6,625.00	6,506.76	119.95	30.54	78.50	634.35	320.25	4,697.43	4,567.48	129.95	36.149	
11,700.00	7,251.65	6,625.00	6,506.76	122.62	30.54	78.50	634.35	320.25	4,762.50	4,631.52	130.98	36.359	
11,800.00	7,252.23	6,625.00	6,506.76	125.30	30.54	78.50	634.35	320.25	4,828.77	4,696.80	131.97	36.589	
11,900.00	7,252.82	6,625.00	6,506.76	127.98	30.54	78.50	634.35	320.25	4,896.18	4,763.26	132.92	36.836	
12,000.00	7,253.40	6,625.00	6,506.76	130.68	30.54	78.50	634.35	320.25	4,964.69	4,830.88	133.82	37.101	
12,100.00	7,253.98	6,625.00	6,506.76	133.38	30.54	78.50	634.35	320.25	5,034.26	4,899.58	134.67	37.381	
12,200.00	7,254.56	6,625.00	6,506.76	136.09	30.54	78.50	634.35	320.25	5,104.83	4,969.35	135.49	37.677	
12,300.00	7,255.14	6,625.00	6,506.76	138.81	30.54	78.50	634.35	320.25	5,176.38	5,040.11	136.27	37.987	
12,400.00	7,255.72	6,625.00	6,506.76	141.53	30.54	78.50	634.35	320.25	5,248.86	5,111.85	137.01	38.311	
12,500.00	7,256.30	6,625.00	6,506.76	144.26	30.54	78.50	634.35	320.25	5,322.22	5,184.51	137.71	38.647	
12,600.00	7,256.88	6,625.00	6,506.76	146.99	30.54	78.50	634.35	320.25	5,396.45	5,258.06	138.39	38.996	
12,700.00	7,257.46	6,625.00	6,506.76	149.73	30.54	78.50	634.35	320.25	5,471.49	5,332.47	139.03	39.356	
12,800.00	7,258.04	6,625.00	6,506.76	152.47	30.54	78.50	634.35	320.25	5,547.32	5,407.69	139.64	39.727	
12,900.00	7,258.63	6,625.00	6,506.76	155.22	30.54	78.50	634.35	320.25	5,623.91	5,483.69	140.22	40.108	
13,000.00	7,259.21	6,625.00	6,506.76	157.97	30.54	78.50	634.35	320.25	5,701.23	5,560.45	140.77	40.500	
13,100.00	7,259.79	6,625.00	6,506.76	160.72	30.54	78.50	634.35	320.25	5,779.23	5,637.93	141.30	40.900	
13,200.00	7,260.37	6,625.00	6,506.76	163.48	30.54	78.50	634.35	320.25	5,857.91	5,716.11	141.80	41.310	
13,300.00	7,260.95	6,625.00	6,506.76	166.24	30.54	78.50	634.35	320.25	5,937.23	5,794.95	142.29	41.728	
13,400.00	7,261.53	6,625.00	6,506.76	169.01	30.54	78.50	634.35	320.25	6,017.17	5,874.42	142.74	42.154	
13,480.77	7,262.00	6,625.00	6,506.76	171.24	30.54	78.50	634.35	320.25	6,082.16	5,939.07	143.10	42.503	

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

Offset Design Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 140-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	129.41	-417.49	508.10	657.71				
100.00	100.00	81.89	81.89	3.28	3.29	129.40	-417.72	508.48	658.10	651.53	6.57	100.165	
200.00	200.00	178.11	178.10	3.34	3.31	129.38	-418.49	509.81	659.67	653.01	6.65	99.158	
300.00	300.00	283.98	283.95	3.44	3.41	129.34	-419.03	511.14	660.97	654.12	6.86	96.404	
400.00	399.98	395.28	395.25	3.60	3.57	-25.97	-418.05	511.92	659.39	652.22	7.17	91.962	
500.00	499.84	523.52	523.36	3.79	3.82	-26.65	-412.64	511.50	651.85	644.22	7.64	85.366	
600.00	599.45	655.48	654.62	4.02	4.15	-28.02	-399.67	508.47	636.24	628.00	8.24	77.217	
700.00	698.70	784.78	781.95	4.29	4.54	-30.39	-377.86	504.10	612.87	603.94	8.93	68.632	
800.00	797.47	896.10	889.79	4.59	4.92	-33.70	-350.56	500.60	583.13	573.54	9.60	60.771	
900.00	895.62	992.39	982.00	4.93	5.26	-37.61	-322.95	497.99	550.25	540.01	10.24	53.723	
1,000.00	993.06	1,091.53	1,076.15	5.31	5.66	-42.63	-292.11	494.30	515.04	504.08	10.96	46.988	
1,100.00	1,089.64	1,177.58	1,157.63	5.72	6.02	-47.94	-264.78	490.16	479.41	467.73	11.68	41.057	
1,200.00	1,185.27	1,258.75	1,235.03	6.16	6.38	-53.61	-240.80	485.50	445.55	433.11	12.44	35.827	
1,300.00	1,279.82	1,348.74	1,320.95	6.64	6.79	-60.81	-214.80	479.15	413.89	400.58	13.30	31.115	
1,400.00	1,373.17	1,423.06	1,391.30	7.15	7.14	-67.94	-191.49	473.57	386.91	372.71	14.20	27.243	
1,500.00	1,465.21	1,490.06	1,454.25	7.70	7.47	-75.14	-168.95	469.41	369.44	354.30	15.15	24.392	
1,579.84	1,537.69	1,540.45	1,501.43	8.18	7.72	-80.78	-151.40	467.15	364.82	348.92	15.89	22.956	CC, ES
1,600.00	1,555.84	1,554.69	1,514.77	8.30	7.79	-82.37	-146.41	466.64	365.09	349.01	16.08	22.704	
1,651.50	1,601.92	1,591.86	1,549.74	8.62	7.98	-86.47	-133.87	465.40	368.22	351.66	16.56	22.234	
1,700.00	1,645.13	1,627.96	1,583.93	8.93	8.16	-90.41	-122.35	464.36	374.28	357.27	17.00	22.013	SF
1,800.00	1,734.20	1,696.29	1,648.88	9.58	8.50	-97.53	-101.18	462.80	395.83	378.04	17.79	22.253	
1,900.00	1,823.28	1,763.23	1,712.37	10.25	8.83	-104.02	-80.00	461.77	428.59	410.13	18.46	23.221	
2,000.00	1,912.36	1,829.55	1,775.12	10.94	9.17	-109.86	-58.57	461.23	470.35	451.30	19.05	24.691	
2,100.00	2,001.43	1,901.95	1,843.53	11.63	9.54	-115.52	-34.87	460.89	518.80	499.12	19.68	26.363	
2,200.00	2,090.51	1,976.99	1,914.55	12.34	9.92	-120.69	-10.66	459.79	571.33	551.00	20.33	28.100	
2,300.00	2,179.59	2,049.26	1,982.92	13.05	10.30	-125.09	12.67	457.81	627.17	606.22	20.95	29.932	
2,400.00	2,268.66	2,121.78	2,051.54	13.76	10.68	-128.98	36.02	455.31	685.63	664.05	21.59	31.762	
2,500.00	2,357.74	2,195.53	2,121.37	14.49	11.06	-132.45	59.56	452.45	746.02	723.78	22.25	33.535	
2,600.00	2,446.82	2,270.97	2,192.86	15.21	11.46	-135.58	83.37	448.91	807.79	784.85	22.94	35.216	
2,700.00	2,535.89	2,345.79	2,263.81	15.95	11.86	-138.38	106.68	444.28	870.52	846.89	23.63	36.840	
2,800.00	2,624.97	2,417.75	2,332.02	16.68	12.24	-140.83	128.97	438.87	934.24	909.95	24.29	38.457	
2,900.00	2,714.05	2,479.48	2,390.44	17.42	12.57	-142.72	148.33	434.14	999.25	974.41	24.84	40.224	
3,000.00	2,803.12	2,554.39	2,461.28	18.16	12.98	-144.75	172.08	428.66	1,065.36	1,039.79	25.57	41.669	
3,100.00	2,892.20	2,639.77	2,542.30	18.90	13.44	-146.81	198.22	422.17	1,131.33	1,104.90	26.43	42.807	
3,200.00	2,981.28	2,715.77	2,614.80	19.65	13.84	-148.33	220.67	418.25	1,197.01	1,169.82	27.19	44.030	
3,300.00	3,070.36	2,776.16	2,672.36	20.40	14.16	-149.34	238.86	416.64	1,263.49	1,235.73	27.76	45.510	
3,400.00	3,159.43	2,847.95	2,740.68	21.14	14.54	-150.40	260.85	415.30	1,330.63	1,302.14	28.49	46.704	
3,500.00	3,248.51	2,917.10	2,806.49	21.89	14.90	-151.37	282.00	413.36	1,398.02	1,368.83	29.19	47.895	
3,600.00	3,337.59	2,982.44	2,868.61	22.65	15.25	-152.21	302.18	411.46	1,465.86	1,436.01	29.84	49.116	
3,700.00	3,426.66	3,042.45	2,925.54	23.40	15.58	-152.88	321.13	410.56	1,534.33	1,503.89	30.44	50.403	
3,800.00	3,515.74	3,116.04	2,995.23	24.15	15.97	-153.58	344.75	410.68	1,603.25	1,572.03	31.22	51.354	
3,900.00	3,604.82	3,188.84	3,064.28	24.91	16.36	-154.22	367.85	410.70	1,672.01	1,640.02	31.99	52.266	
4,000.00	3,693.89	3,253.69	3,125.72	25.66	16.71	-154.76	388.56	410.31	1,741.06	1,708.40	32.66	53.305	
4,100.00	3,782.97	3,322.43	3,190.82	26.42	17.08	-155.32	410.61	409.34	1,810.38	1,777.00	33.39	54.226	
4,200.00	3,872.05	3,409.70	3,273.56	27.18	17.55	-156.02	438.29	407.27	1,879.62	1,845.28	34.34	54.732	
4,300.00	3,961.12	3,514.82	3,373.65	27.94	18.11	-156.75	470.34	405.57	1,947.97	1,912.46	35.51	54.851	
4,400.00	4,050.20	3,619.52	3,473.82	28.69	18.66	-157.34	500.79	406.08	2,015.13	1,978.46	36.67	54.953	
4,500.00	4,139.28	3,716.89	3,567.38	29.45	19.16	-157.86	527.78	406.01	2,081.35	2,043.62	37.73	55.168	
4,600.00	4,228.35	3,770.51	3,618.90	30.21	19.44	-158.14	542.65	405.94	2,147.61	2,109.34	38.28	56.106	
4,700.00	4,317.43	3,825.49	3,671.60	30.97	19.73	-158.40	558.33	405.90	2,214.55	2,175.71	38.85	57.010	
4,800.00	4,406.51	3,879.26	3,722.98	31.73	20.01	-158.64	574.14	406.10	2,282.17	2,242.77	39.40	57.923	
4,900.00	4,495.59	3,935.57	3,776.66	32.50	20.31	-158.87	591.17	406.50	2,350.40	2,310.41	39.99	58.777	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 140-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	3,990.00	3,828.44	33.26	20.60	-159.08	607.94	406.77	2,419.13	2,378.58	40.56	59.650	
5,100.00	4,673.74	4,046.51	3,882.08	34.02	20.90	-159.29	625.71	406.98	2,488.38	2,447.23	41.15	60.471	
5,200.00	4,762.82	4,097.53	3,930.39	34.78	21.18	-159.48	642.11	407.17	2,558.18	2,516.50	41.68	61.378	
5,300.00	4,851.89	4,143.02	3,973.33	35.54	21.43	-159.63	657.14	407.32	2,628.65	2,586.51	42.14	62.377	
5,400.00	4,940.97	4,189.13	4,016.70	36.31	21.69	-159.78	672.79	407.46	2,699.81	2,657.19	42.61	63.358	
5,500.00	5,030.05	4,238.59	4,063.10	37.07	21.97	-159.94	689.93	407.53	2,771.53	2,728.40	43.13	64.264	
5,600.00	5,119.12	4,494.19	4,305.48	37.83	23.35	-160.76	770.78	405.74	2,841.04	2,794.89	46.15	61.556	
5,700.00	5,208.20	4,607.61	4,414.38	38.60	23.95	-161.11	802.44	404.50	2,908.00	2,860.59	47.40	61.346	
5,800.00	5,297.28	4,668.74	4,473.26	39.36	24.27	-161.30	818.85	403.46	2,974.26	2,926.20	48.06	61.889	
5,900.00	5,386.35	4,701.60	4,504.80	40.13	24.44	-161.41	828.03	402.52	3,041.47	2,993.08	48.39	62.854	
6,000.00	5,475.43	4,737.00	4,538.64	40.89	24.63	-161.53	838.33	401.17	3,109.68	3,060.94	48.74	63.795	
6,100.00	5,564.51	4,777.19	4,576.92	41.66	24.85	-161.67	850.42	399.40	3,178.73	3,129.57	49.16	64.666	
6,200.00	5,653.58	4,829.00	4,626.15	42.42	25.13	-161.84	866.43	397.08	3,248.43	3,198.72	49.70	65.355	
6,300.00	5,742.66	6,300.00	4,707.93	43.19	33.17	-162.12	892.66	392.98	3,317.91	3,260.22	57.69	57.512	
6,400.00	5,831.74	4,964.19	4,754.74	43.95	25.87	-162.28	907.60	390.43	3,387.50	3,336.32	51.18	66.188	
6,500.00	5,920.82	5,016.00	4,803.77	44.72	26.15	-162.45	924.08	387.45	3,458.05	3,406.32	51.73	66.846	
6,600.00	6,009.89	6,600.00	4,961.18	45.48	34.69	-163.00	973.66	376.25	3,527.58	3,466.87	60.72	58.099	
6,700.00	6,098.97	5,667.23	5,431.82	46.25	29.50	-164.43	1,088.38	346.92	3,594.55	3,535.87	58.68	61.260	
6,800.00	6,188.05	6,800.00	5,578.83	47.01	34.62	-164.75	1,114.30	343.36	3,653.90	3,589.35	64.55	56.603	
6,900.00	6,277.12	5,999.66	5,759.89	47.78	30.99	-165.09	1,141.37	341.87	3,710.42	3,648.55	61.87	59.973	
7,000.00	6,366.20	6,082.39	5,841.86	48.55	31.35	-165.24	1,152.56	340.74	3,766.44	3,703.72	62.72	60.054	
7,100.00	6,455.28	7,896.49	7,072.66	49.31	40.77	-153.26	1,223.75	1,258.06	3,807.11	3,728.49	78.62	48.423	
7,197.64	6,542.25	7,918.70	7,071.83	50.06	41.10	-152.92	1,223.37	1,280.25	3,833.15	3,753.41	79.74	48.070	
7,200.00	6,544.35	7,919.26	7,071.81	50.08	41.11	-153.36	1,223.36	1,280.81	3,833.80	3,754.04	79.77	48.062	
7,250.00	6,589.22	7,930.22	7,071.46	50.44	41.28	-163.23	1,223.15	1,291.76	3,848.16	3,767.85	80.31	47.914	
7,300.00	6,634.48	7,936.88	7,071.26	50.77	41.39	-174.01	1,223.01	1,298.41	3,863.31	3,782.55	80.76	47.836	
7,350.00	6,679.86	7,933.50	7,071.36	51.06	41.34	174.71	1,223.08	1,295.03	3,879.15	3,798.16	80.99	47.896	
7,400.00	6,725.09	7,922.06	7,071.72	51.31	41.15	163.59	1,223.31	1,283.60	3,895.58	3,814.53	81.05	48.065	
7,450.00	6,769.87	7,907.01	7,072.25	51.52	40.93	153.19	1,223.58	1,268.57	3,912.45	3,831.42	81.03	48.282	
7,500.00	6,813.94	7,884.70	7,073.17	51.69	40.60	143.75	1,223.93	1,246.28	3,929.62	3,848.75	80.87	48.590	
7,550.00	6,857.03	7,854.66	7,074.69	51.84	40.15	135.35	1,224.29	1,216.28	3,946.90	3,866.34	80.57	48.989	
7,600.00	6,898.86	7,825.00	7,076.48	51.95	39.71	128.03	1,224.54	1,186.67	3,964.10	3,883.84	80.27	49.387	
7,650.00	6,939.19	7,825.00	7,076.48	52.05	39.71	122.06	1,224.54	1,186.67	3,981.19	3,900.68	80.51	49.451	
7,700.00	6,977.75	7,794.72	7,078.10	52.13	39.31	116.52	1,224.86	1,156.44	3,997.90	3,917.64	80.25	49.817	
7,750.00	7,014.32	7,779.14	7,078.65	52.20	39.11	111.85	1,225.12	1,140.88	4,014.28	3,934.02	80.26	50.018	
7,800.00	7,048.67	7,543.00	7,045.75	52.26	36.59	105.17	1,224.93	908.59	4,030.21	3,953.34	76.87	52.427	
7,850.00	7,080.59	7,543.00	7,045.75	52.33	36.59	101.92	1,224.93	908.59	4,043.89	3,966.72	77.17	52.403	
7,900.00	7,109.87	7,543.00	7,045.75	52.39	36.59	99.11	1,224.93	908.59	4,056.84	3,979.34	77.50	52.347	
7,950.00	7,136.35	7,543.00	7,045.75	52.47	36.59	96.67	1,224.93	908.59	4,069.00	3,991.13	77.87	52.255	
8,000.00	7,159.85	7,505.18	7,032.25	52.55	36.33	94.17	1,223.99	873.28	4,079.56	4,001.79	77.77	52.456	
8,050.00	7,180.23	7,497.26	7,029.11	52.64	36.28	92.33	1,223.92	866.01	4,089.56	4,011.44	78.12	52.348	
8,100.00	7,197.37	7,488.95	7,025.71	52.75	36.23	90.77	1,223.90	858.43	4,098.49	4,019.97	78.52	52.196	
8,150.00	7,211.16	7,450.00	7,008.23	52.88	36.02	89.21	1,224.46	823.64	4,106.76	4,028.21	78.54	52.286	
8,200.00	7,221.51	7,450.00	7,008.23	53.03	36.02	88.28	1,224.46	823.64	4,113.11	4,033.95	79.16	51.959	
8,250.00	7,228.37	7,450.00	7,008.23	53.20	36.02	87.60	1,224.46	823.64	4,118.29	4,038.46	79.83	51.590	
8,300.00	7,231.68	7,450.00	7,008.23	53.40	36.02	87.16	1,224.46	823.64	4,122.28	4,041.74	80.54	51.185	
8,317.45	7,232.00	7,450.00	7,008.23	53.47	36.02	87.06	1,224.46	823.64	4,123.39	4,042.59	80.79	51.036	
8,400.00	7,232.48	7,418.27	6,992.53	53.86	35.88	86.84	1,225.49	796.09	4,128.81	4,047.14	81.68	50.551	
8,500.00	7,233.06	7,383.02	6,974.04	54.44	35.74	86.58	1,226.92	766.11	4,136.90	4,053.99	82.90	49.900	
8,600.00	7,233.64	7,034.09	6,750.30	55.14	34.84	83.46	1,225.96	499.66	4,143.32	4,062.39	80.93	51.197	
8,700.00	7,234.22	6,999.00	6,723.85	55.99	34.75	83.09	1,224.23	476.69	4,149.17	4,066.67	82.51	50.288	
8,800.00	7,234.80	6,979.00	6,708.33	57.00	34.70	82.88	1,223.28	464.11	4,156.95	4,072.62	84.33	49.295	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 140-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	6,941.91	6,678.51	58.18	34.60	82.46	1,221.53	442.13	4,166.64	4,080.56	86.08	48.406	
9,000.00	7,235.97	6,918.90	6,659.30	59.53	34.53	82.20	1,220.46	429.51	4,178.40	4,090.38	88.02	47.472	
9,100.00	7,236.55	9,100.00	6,597.64	61.04	42.23	81.34	1,216.04	398.16	4,192.15	4,093.22	98.93	42.375	
9,200.00	7,237.13	6,790.00	6,543.49	62.69	34.12	80.59	1,211.28	374.45	4,207.58	4,116.30	91.28	46.097	
9,300.00	7,237.71	6,790.00	6,543.49	64.47	34.12	80.59	1,211.28	374.45	4,224.90	4,131.35	93.55	45.163	
9,400.00	7,238.29	6,790.00	6,543.49	66.36	34.12	80.59	1,211.28	374.45	4,244.51	4,148.69	95.82	44.295	
9,500.00	7,238.87	6,790.00	6,543.49	68.34	34.12	80.59	1,211.28	374.45	4,266.37	4,168.27	98.10	43.490	
9,600.00	7,239.45	6,790.00	6,543.49	70.41	34.12	80.59	1,211.28	374.45	4,290.46	4,190.09	100.36	42.749	
9,700.00	7,240.03	6,790.00	6,543.49	72.55	34.12	80.59	1,211.28	374.45	4,316.72	4,214.11	102.61	42.069	
9,800.00	7,240.61	6,751.02	6,506.32	74.76	33.98	80.08	1,207.23	363.45	4,344.10	4,239.60	104.50	41.571	
9,900.00	7,241.20	6,747.02	6,502.46	77.02	33.97	80.02	1,206.87	362.47	4,374.36	4,267.70	106.66	41.013	
10,000.00	7,241.78	6,743.26	6,498.82	79.33	33.95	79.97	1,206.53	361.58	4,406.67	4,297.88	108.79	40.508	
10,100.00	7,242.36	6,739.70	6,495.38	81.68	33.94	79.93	1,206.21	360.76	4,440.97	4,330.09	110.87	40.054	
10,200.00	7,242.94	6,736.34	6,492.11	84.07	33.93	79.88	1,205.93	360.01	4,477.22	4,364.30	112.92	39.650	
10,300.00	7,243.52	6,695.00	6,451.61	86.49	33.78	79.32	1,202.88	352.39	4,516.47	4,401.87	114.61	39.408	
10,400.00	7,244.10	6,695.00	6,451.61	88.95	33.78	79.32	1,202.88	352.39	4,556.35	4,439.76	116.59	39.081	
10,500.00	7,244.68	6,695.00	6,451.61	91.43	33.78	79.32	1,202.88	352.39	4,598.05	4,479.53	118.52	38.796	
10,600.00	7,245.26	6,695.00	6,451.61	93.93	33.78	79.32	1,202.88	352.39	4,641.54	4,521.14	120.40	38.552	
10,700.00	7,245.84	6,695.00	6,451.61	96.46	33.78	79.32	1,202.88	352.39	4,686.75	4,564.53	122.22	38.347	
10,800.00	7,246.42	6,695.00	6,451.61	99.01	33.78	79.32	1,202.88	352.39	4,733.65	4,609.66	123.99	38.179	
10,900.00	7,247.01	6,695.00	6,451.61	101.58	33.78	79.32	1,202.88	352.39	4,782.17	4,656.47	125.70	38.044	
11,000.00	7,247.59	6,695.00	6,451.61	104.16	33.78	79.32	1,202.88	352.39	4,832.28	4,704.92	127.36	37.942	
11,100.00	7,248.17	6,695.00	6,451.61	106.76	33.78	79.32	1,202.88	352.39	4,883.92	4,754.96	128.96	37.871	
11,200.00	7,248.75	6,695.00	6,451.61	109.37	33.78	79.32	1,202.88	352.39	4,937.05	4,806.54	130.51	37.829	
11,300.00	7,249.33	6,695.00	6,451.61	112.00	33.78	79.32	1,202.88	352.39	4,991.62	4,859.61	132.01	37.813	
11,400.00	7,249.91	6,695.00	6,451.61	114.64	33.78	79.32	1,202.88	352.39	5,047.58	4,914.13	133.45	37.824	
11,500.00	7,250.49	6,695.00	6,451.61	117.29	33.78	79.32	1,202.88	352.39	5,104.88	4,970.04	134.84	37.859	
11,600.00	7,251.07	6,695.00	6,451.61	119.95	33.78	79.32	1,202.88	352.39	5,163.49	5,027.31	136.18	37.917	
11,700.00	7,251.65	6,695.00	6,451.61	122.62	33.78	79.32	1,202.88	352.39	5,223.35	5,085.88	137.47	37.996	
11,800.00	7,252.23	6,695.00	6,451.61	125.30	33.78	79.32	1,202.88	352.39	5,284.42	5,145.71	138.71	38.096	
11,900.00	7,252.82	6,695.00	6,451.61	127.98	33.78	79.32	1,202.88	352.39	5,346.67	5,206.77	139.91	38.216	
12,000.00	7,253.40	6,695.00	6,451.61	130.68	33.78	79.32	1,202.88	352.39	5,410.05	5,269.00	141.06	38.354	
12,100.00	7,253.98	6,695.00	6,451.61	133.38	33.78	79.32	1,202.88	352.39	5,474.53	5,332.37	142.16	38.509	
12,200.00	7,254.56	6,695.00	6,451.61	136.09	33.78	79.32	1,202.88	352.39	5,540.06	5,396.83	143.22	38.681	
12,300.00	7,255.14	6,695.00	6,451.61	138.81	33.78	79.32	1,202.88	352.39	5,606.60	5,462.36	144.25	38.869	
12,400.00	7,255.72	6,695.00	6,451.61	141.53	33.78	79.32	1,202.88	352.39	5,674.13	5,528.91	145.23	39.071	
12,500.00	7,256.30	6,695.00	6,451.61	144.26	33.78	79.32	1,202.88	352.39	5,742.61	5,596.44	146.17	39.288	
12,600.00	7,256.88	6,695.00	6,451.61	146.99	33.78	79.32	1,202.88	352.39	5,812.00	5,664.92	147.07	39.517	
12,700.00	7,257.46	6,695.00	6,451.61	149.73	33.78	79.32	1,202.88	352.39	5,882.27	5,734.33	147.94	39.760	
12,800.00	7,258.04	6,695.00	6,451.61	152.47	33.78	79.32	1,202.88	352.39	5,953.39	5,804.61	148.78	40.015	
12,900.00	7,258.63	6,695.00	6,451.61	155.22	33.78	79.32	1,202.88	352.39	6,025.33	5,875.75	149.58	40.281	
13,000.00	7,259.21	6,695.00	6,451.61	157.97	33.78	79.32	1,202.88	352.39	6,098.07	5,947.72	150.35	40.559	
13,100.00	7,259.79	6,695.00	6,451.61	160.72	33.78	79.32	1,202.88	352.39	6,171.56	6,020.47	151.09	40.847	
13,200.00	7,260.37	6,695.00	6,451.61	163.48	33.78	79.32	1,202.88	352.39	6,245.80	6,093.99	151.80	41.144	
13,300.00	7,260.95	6,695.00	6,451.61	166.24	33.78	79.32	1,202.88	352.39	6,320.74	6,168.25	152.48	41.452	
13,400.00	7,261.53	6,695.00	6,451.61	169.01	33.78	79.32	1,202.88	352.39	6,396.37	6,243.23	153.14	41.768	
13,480.77	7,262.00	6,695.00	6,451.61	171.24	33.78	79.32	1,202.88	352.39	6,457.94	6,304.29	153.65	42.030	

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

Offset Design Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 437-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	130.73	-437.52	508.10	670.60				
100.00	100.00	95.27	95.27	3.28	3.29	130.71	-437.08	507.89	670.10	663.53	6.57	101.965	
200.00	200.00	202.29	202.27	3.34	3.31	130.66	-435.54	507.16	668.64	661.99	6.65	100.567	
300.00	300.00	309.25	309.20	3.44	3.35	130.55	-432.88	505.90	666.13	659.33	6.80	97.986	
400.00	399.98	416.03	415.89	3.60	3.41	-24.83	-429.12	504.12	660.99	653.98	7.01	94.298	
500.00	499.84	530.52	530.18	3.79	3.56	-25.42	-422.85	501.76	651.17	643.80	7.37	88.381	
600.00	599.45	639.70	638.88	4.02	3.78	-26.51	-412.91	499.84	636.21	628.39	7.83	81.288	
700.00	698.70	748.49	746.78	4.29	4.05	-28.21	-399.09	498.77	616.79	608.42	8.37	73.709	
800.00	797.47	859.89	856.60	4.59	4.37	-30.69	-380.53	497.81	592.58	583.58	8.99	65.895	
900.00	895.62	971.18	965.45	4.93	4.73	-34.06	-357.42	496.15	563.59	553.91	9.68	58.213	
1,000.00	993.06	1,073.45	1,064.66	5.31	5.09	-38.13	-332.74	493.27	530.47	520.09	10.38	51.082	
1,100.00	1,089.64	1,162.18	1,150.56	5.72	5.43	-42.46	-310.82	489.71	495.58	484.50	11.08	44.731	
1,200.00	1,185.27	1,255.83	1,241.26	6.16	5.81	-47.88	-287.93	485.19	460.40	448.55	11.85	38.854	
1,300.00	1,279.82	1,347.02	1,329.09	6.64	6.20	-54.40	-264.15	479.30	424.86	412.19	12.67	33.522	
1,400.00	1,373.17	1,424.09	1,402.75	7.15	6.54	-61.27	-242.06	474.12	392.06	378.52	13.54	28.955	
1,500.00	1,465.21	1,498.22	1,473.34	7.70	6.88	-68.91	-219.81	470.11	366.44	351.95	14.49	25.290	
1,600.00	1,555.84	1,571.68	1,543.07	8.30	7.23	-77.22	-197.07	465.99	350.28	334.78	15.50	22.600	
1,651.50	1,601.92	1,606.12	1,575.82	8.62	7.39	-81.23	-186.56	464.28	346.90	330.89	16.00	21.676	
1,670.90	1,619.20	1,619.18	1,588.27	8.74	7.45	-82.73	-182.65	463.72	346.62	330.43	16.19	21.408	CC, ES
1,700.00	1,645.13	1,639.00	1,607.20	8.93	7.55	-85.00	-176.81	462.96	347.24	330.78	16.47	21.090	
1,800.00	1,734.20	1,711.51	1,676.66	9.58	7.89	-93.06	-156.12	460.80	358.24	340.88	17.36	20.632	SF
1,900.00	1,823.28	1,793.28	1,755.36	10.25	8.28	-101.55	-134.09	458.15	380.40	362.17	18.22	20.875	
2,000.00	1,912.36	1,872.79	1,832.21	10.94	8.66	-109.05	-114.01	454.74	410.93	391.95	18.98	21.647	
2,100.00	2,001.43	1,945.95	1,902.91	11.63	9.01	-115.26	-95.52	451.29	449.11	429.48	19.63	22.882	
2,200.00	2,090.51	2,013.51	1,968.00	12.34	9.34	-120.41	-77.69	448.07	494.05	473.88	20.18	24.487	
2,300.00	2,179.59	2,083.40	2,035.10	13.05	9.68	-125.15	-58.43	444.72	544.46	523.73	20.74	26.254	
2,400.00	2,268.66	2,154.93	2,103.69	13.76	10.04	-129.38	-38.40	441.34	598.71	577.38	21.32	28.076	
2,500.00	2,357.74	2,225.27	2,171.19	14.49	10.39	-132.93	-18.82	438.72	655.65	633.74	21.91	29.921	
2,600.00	2,446.82	2,282.64	2,226.03	15.21	10.68	-135.47	-2.06	436.89	715.62	693.27	22.35	32.025	
2,700.00	2,535.89	2,360.14	2,299.80	15.95	11.08	-138.49	21.54	434.37	778.02	754.96	23.06	33.735	
2,800.00	2,624.97	2,438.94	2,375.17	16.68	11.48	-141.17	44.33	431.31	840.35	816.54	23.81	35.296	
2,900.00	2,714.05	2,514.58	2,447.53	17.42	11.87	-143.37	66.24	428.88	903.70	879.18	24.53	36.847	
3,000.00	2,803.12	2,603.59	2,533.08	18.16	12.32	-145.64	90.62	425.73	966.53	941.11	25.42	38.017	
3,100.00	2,892.20	2,667.13	2,594.16	18.90	12.64	-147.02	108.04	424.19	1,030.03	1,004.03	26.01	39.609	
3,200.00	2,981.28	2,731.96	2,656.34	19.65	12.97	-148.25	126.38	423.19	1,094.67	1,068.06	26.61	41.130	
3,300.00	3,070.36	2,793.21	2,714.92	20.40	13.28	-149.34	144.19	421.91	1,160.29	1,133.11	27.18	42.683	
3,400.00	3,159.43	2,849.78	2,768.83	21.14	13.58	-150.24	161.32	421.02	1,227.13	1,199.43	27.70	44.301	
3,500.00	3,248.51	2,919.53	2,835.12	21.89	13.95	-151.23	183.01	420.17	1,294.82	1,266.42	28.40	45.589	
3,600.00	3,337.59	3,000.60	2,912.23	22.65	14.37	-152.30	207.99	418.74	1,362.55	1,333.29	29.26	46.567	
3,700.00	3,426.66	3,129.57	3,035.69	23.40	15.04	-153.82	245.16	416.14	1,429.20	1,398.48	30.72	46.519	
3,800.00	3,515.74	3,190.93	3,094.82	24.15	15.36	-154.46	261.50	414.93	1,494.16	1,462.84	31.33	47.699	
3,900.00	3,604.82	3,243.97	3,145.72	24.91	15.63	-154.98	276.38	413.87	1,560.31	1,528.49	31.83	49.028	
4,000.00	3,693.89	3,301.37	3,200.62	25.66	15.93	-155.51	293.08	412.61	1,627.42	1,595.03	32.39	50.252	
4,100.00	3,782.97	3,440.73	3,334.40	26.42	16.65	-156.70	331.90	409.15	1,693.89	1,659.92	33.97	49.867	
4,200.00	3,872.05	3,514.92	3,406.06	27.18	17.03	-157.31	350.88	406.38	1,758.68	1,723.95	34.73	50.634	
4,300.00	3,961.12	3,561.34	3,450.80	27.94	17.27	-157.69	363.07	404.09	1,824.21	1,789.04	35.17	51.871	
4,400.00	4,050.20	3,610.90	3,498.35	28.69	17.52	-158.10	376.74	401.26	1,890.93	1,855.29	35.64	53.059	
4,500.00	4,139.28	3,703.90	3,587.59	29.45	18.01	-158.80	402.40	396.01	1,957.79	1,921.14	36.65	53.423	
4,600.00	4,228.35	3,799.35	3,679.51	30.21	18.50	-159.44	427.70	391.46	2,023.79	1,986.11	37.68	53.708	
4,700.00	4,317.43	3,849.95	3,728.21	30.97	18.77	-159.75	441.26	389.36	2,090.05	2,051.87	38.18	54.745	
4,800.00	4,406.51	3,883.00	3,759.94	31.73	18.94	-159.94	450.44	388.06	2,157.30	2,118.84	38.46	56.096	
4,900.00	4,495.59	3,923.42	3,798.54	32.50	19.16	-160.16	462.31	386.53	2,225.76	2,186.93	38.83	57.323	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 437-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	3,976.00	3,848.27	33.26	19.44	-160.42	479.27	384.58	2,295.98	2,256.62	39.36	58.339	
5,100.00	4,673.74	3,976.00	3,848.27	34.02	19.44	-160.42	479.27	384.58	2,366.92	2,327.73	39.19	60.392	
5,200.00	4,762.82	4,018.11	3,887.76	34.78	19.68	-160.62	493.82	382.94	2,439.20	2,399.62	39.59	61.616	
5,300.00	4,851.89	4,070.00	3,936.08	35.54	19.97	-160.86	512.57	380.66	2,512.55	2,472.43	40.12	62.632	
5,400.00	4,940.97	4,115.33	3,978.19	36.31	20.23	-161.06	529.24	378.50	2,586.39	2,545.83	40.56	63.768	
5,500.00	5,030.05	4,496.83	4,340.25	37.07	22.31	-162.66	646.67	359.48	2,656.15	2,610.93	45.22	58.736	
5,600.00	5,119.12	4,560.18	4,401.44	37.83	22.64	-162.90	662.79	356.76	2,721.85	2,675.96	45.89	59.315	
5,700.00	5,208.20	4,629.02	4,467.90	38.60	22.99	-163.13	680.53	353.95	2,787.79	2,741.17	46.62	59.799	
5,800.00	5,297.28	4,681.80	4,518.78	39.36	23.26	-163.30	694.44	352.10	2,854.12	2,806.95	47.17	60.508	
5,900.00	5,386.35	4,816.00	4,648.15	40.13	23.96	-163.67	729.89	348.40	2,920.73	2,872.07	48.65	60.029	
6,000.00	5,475.43	4,874.66	4,704.93	40.89	24.26	-163.84	744.48	346.36	2,985.98	2,936.71	49.27	60.599	
6,100.00	5,564.51	4,930.72	4,759.09	41.66	24.54	-164.00	758.84	344.41	3,051.82	3,001.95	49.87	61.202	
6,200.00	5,653.58	4,992.91	4,819.09	42.42	24.86	-164.17	775.03	342.10	3,118.02	3,067.50	50.53	61.710	
6,300.00	5,742.66	5,072.36	4,895.72	43.19	25.27	-164.38	795.79	338.88	3,184.37	3,132.98	51.39	61.968	
6,400.00	5,831.74	5,841.93	5,652.00	43.95	28.77	-166.02	921.94	326.30	3,247.32	3,188.73	58.60	55.418	
6,500.00	5,920.82	5,895.09	5,705.09	44.72	28.98	-166.13	924.94	325.85	3,296.77	3,237.55	59.22	55.672	
6,600.00	6,009.89	6,000.29	5,810.06	45.48	29.39	-166.36	931.51	324.22	3,346.96	3,286.75	60.21	55.588	
6,700.00	6,098.97	6,174.62	5,984.23	46.25	30.06	-166.70	938.80	323.40	3,394.99	3,333.32	61.67	55.048	
6,800.00	6,188.05	6,343.05	6,152.63	47.01	30.69	-167.03	941.87	322.74	3,441.15	3,378.10	63.05	54.577	
6,900.00	6,277.12	6,445.96	6,255.53	47.78	31.06	-167.23	942.18	322.23	3,486.04	3,422.04	64.00	54.471	
7,000.00	6,366.20	6,531.60	6,341.17	48.55	31.37	-167.39	942.47	322.20	3,530.91	3,466.06	64.84	54.455	
7,100.00	6,455.28	7,840.90	7,139.74	49.31	38.20	-155.62	955.40	1,130.22	3,554.56	3,478.84	75.72	46.943	
7,197.64	6,542.25	7,867.00	7,139.87	50.06	38.56	-155.19	955.79	1,156.31	3,578.54	3,501.65	76.89	46.541	
7,200.00	6,544.35	7,867.00	7,139.87	50.08	38.56	-155.64	955.79	1,156.31	3,579.15	3,502.24	76.91	46.538	
7,250.00	6,589.22	7,867.00	7,139.87	50.44	38.56	-165.56	955.79	1,156.31	3,592.40	3,515.14	77.26	46.500	
7,300.00	6,634.48	7,867.00	7,139.87	50.77	38.56	-176.33	955.79	1,156.31	3,606.34	3,528.76	77.58	46.485	
7,350.00	6,679.86	7,867.00	7,139.87	51.06	38.56	172.58	955.79	1,156.31	3,620.89	3,543.01	77.88	46.492	
7,400.00	6,725.09	7,867.00	7,139.87	51.31	38.56	161.78	955.79	1,156.31	3,635.94	3,557.78	78.16	46.517	
7,450.00	6,769.87	7,849.78	7,139.78	51.52	38.32	151.49	955.52	1,139.09	3,651.33	3,573.20	78.13	46.732	
7,500.00	6,813.94	7,843.30	7,139.75	51.69	38.23	142.44	955.43	1,132.62	3,667.03	3,588.76	78.27	46.848	
7,550.00	6,857.03	7,834.81	7,139.72	51.84	38.11	134.49	955.34	1,124.13	3,682.89	3,604.51	78.37	46.992	
7,600.00	6,898.86	7,824.36	7,139.70	51.95	37.97	127.57	955.24	1,113.68	3,698.77	3,620.34	78.43	47.157	
7,650.00	6,939.19	7,812.00	7,139.69	52.05	37.80	121.56	955.16	1,101.32	3,714.56	3,636.09	78.47	47.340	
7,700.00	6,977.75	7,797.82	7,139.70	52.13	37.61	116.33	955.11	1,087.14	3,730.12	3,651.65	78.47	47.533	
7,750.00	7,014.32	7,750.00	7,139.75	52.20	36.99	111.61	955.13	1,059.07	3,745.34	3,667.33	78.01	48.013	
7,800.00	7,048.67	7,720.00	7,139.49	52.26	36.63	107.26	955.08	1,009.32	3,759.92	3,682.18	77.75	48.362	
7,850.00	7,080.59	7,699.92	7,138.99	52.33	36.41	103.79	955.00	989.24	3,773.60	3,695.85	77.75	48.534	
7,900.00	7,109.87	7,680.46	7,138.12	52.39	36.19	100.77	955.03	969.80	3,786.52	3,708.72	77.80	48.671	
7,950.00	7,136.35	7,660.36	7,136.82	52.47	35.98	98.14	955.16	949.75	3,798.59	3,720.72	77.87	48.781	
8,000.00	7,159.85	7,626.00	7,133.65	52.55	35.62	95.75	955.61	915.54	3,809.77	3,732.00	77.77	48.990	
8,050.00	7,180.23	7,546.66	7,120.04	52.64	34.94	93.33	956.27	837.43	3,819.67	3,742.56	77.11	49.534	
8,100.00	7,197.37	7,531.00	7,116.20	52.75	34.83	91.78	956.23	822.25	3,827.81	3,750.41	77.40	49.452	
8,150.00	7,211.16	7,503.25	7,108.44	52.88	34.65	90.41	956.27	795.61	3,834.70	3,757.08	77.62	49.406	
8,200.00	7,221.51	7,488.47	7,103.81	53.03	34.56	89.42	956.43	781.57	3,840.47	3,762.43	78.04	49.209	
8,250.00	7,228.37	7,473.48	7,098.76	53.20	34.48	88.68	956.70	767.46	3,845.02	3,766.50	78.52	48.969	
8,300.00	7,231.68	7,437.00	7,085.01	53.40	34.30	88.06	957.76	733.70	3,848.49	3,769.73	78.76	48.866	
8,317.45	7,232.00	7,437.00	7,085.01	53.47	34.30	87.99	957.76	733.70	3,849.26	3,770.24	79.02	48.715	
8,400.00	7,232.48	7,222.02	6,967.03	53.86	33.64	86.22	957.44	555.39	3,851.84	3,773.95	77.89	49.450	
8,500.00	7,233.06	7,184.58	6,940.64	54.44	33.53	85.82	956.31	528.87	3,854.34	3,775.13	79.21	48.660	
8,600.00	7,233.64	7,146.83	6,912.73	55.14	33.43	85.40	955.37	503.46	3,858.78	3,778.13	80.65	47.846	
8,700.00	7,234.22	7,085.68	6,864.80	55.99	33.26	84.69	953.61	465.57	3,864.94	3,782.95	81.99	47.139	
8,800.00	7,234.80	7,029.39	6,817.96	57.00	33.09	83.99	951.49	434.44	3,872.83	3,789.35	83.47	46.395	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 437-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	6,977.39	6,772.98	58.18	32.93	83.32	949.05	408.47	3,882.52	3,797.44	85.08	45.632	
9,000.00	7,235.97	6,966.00	6,762.94	59.53	32.89	83.17	948.45	403.14	3,894.33	3,807.19	87.14	44.688	
9,100.00	7,236.55	6,966.00	6,762.94	61.04	32.89	83.17	948.45	403.14	3,908.64	3,819.29	89.35	43.743	
9,200.00	7,237.13	6,928.71	6,729.45	62.69	32.77	82.67	946.65	386.84	3,924.86	3,833.61	91.25	43.012	
9,300.00	7,237.71	6,917.15	6,718.89	64.47	32.73	82.52	946.17	382.18	3,943.67	3,850.27	93.40	42.223	
9,400.00	7,238.29	6,906.47	6,709.06	66.36	32.70	82.37	945.77	378.04	3,964.80	3,869.24	95.56	41.489	
9,500.00	7,238.87	6,872.00	6,676.86	68.34	32.58	81.90	944.68	365.76	3,988.52	3,891.02	97.51	40.905	
9,600.00	7,239.45	6,872.00	6,676.86	70.41	32.58	81.90	944.68	365.76	4,014.05	3,914.31	99.74	40.244	
9,700.00	7,240.03	6,872.00	6,676.86	72.55	32.58	81.90	944.68	365.76	4,041.90	3,939.95	101.95	39.644	
9,800.00	7,240.61	6,872.00	6,676.86	74.76	32.58	81.90	944.68	365.76	4,072.01	3,967.88	104.13	39.104	
9,900.00	7,241.20	6,872.00	6,676.86	77.02	32.58	81.90	944.68	365.76	4,104.34	3,998.07	106.27	38.622	
10,000.00	7,241.78	6,872.00	6,676.86	79.33	32.58	81.90	944.68	365.76	4,138.83	4,030.47	108.36	38.194	
10,100.00	7,242.36	6,872.00	6,676.86	81.68	32.58	81.90	944.68	365.76	4,175.43	4,065.02	110.41	37.818	
10,200.00	7,242.94	6,872.00	6,676.86	84.07	32.58	81.90	944.68	365.76	4,214.09	4,101.69	112.40	37.491	
10,300.00	7,243.52	6,872.00	6,676.86	86.49	32.58	81.90	944.68	365.76	4,254.75	4,140.40	114.34	37.210	
10,400.00	7,244.10	6,832.00	6,638.79	88.95	32.44	81.33	943.89	353.54	4,296.42	4,180.47	115.95	37.055	
10,500.00	7,244.68	6,826.67	6,633.67	91.43	32.43	81.26	943.82	352.07	4,340.62	4,222.87	117.74	36.865	
10,600.00	7,245.26	6,821.61	6,628.80	93.93	32.41	81.19	943.77	350.71	4,386.62	4,267.14	119.49	36.713	
10,700.00	7,245.84	6,816.80	6,624.16	96.46	32.39	81.12	943.73	349.44	4,434.38	4,313.21	121.17	36.596	
10,800.00	7,246.42	6,777.00	6,585.45	99.01	32.25	80.55	943.70	340.18	4,484.59	4,362.03	122.56	36.591	
10,900.00	7,247.01	6,777.00	6,585.45	101.58	32.25	80.55	943.70	340.18	4,535.51	4,411.35	124.17	36.527	
11,000.00	7,247.59	6,777.00	6,585.45	104.16	32.25	80.55	943.70	340.18	4,588.05	4,462.33	125.72	36.495	
11,100.00	7,248.17	6,777.00	6,585.45	106.76	32.25	80.55	943.70	340.18	4,642.14	4,514.93	127.21	36.492	
11,200.00	7,248.75	6,777.00	6,585.45	109.37	32.25	80.55	943.70	340.18	4,697.75	4,569.10	128.65	36.517	
11,300.00	7,249.33	6,777.00	6,585.45	112.00	32.25	80.55	943.70	340.18	4,754.80	4,624.77	130.03	36.568	
11,400.00	7,249.91	6,777.00	6,585.45	114.64	32.25	80.55	943.70	340.18	4,813.26	4,681.91	131.35	36.644	
11,500.00	7,250.49	6,777.00	6,585.45	117.29	32.25	80.55	943.70	340.18	4,873.06	4,740.44	132.62	36.744	
11,600.00	7,251.07	6,777.00	6,585.45	119.95	32.25	80.55	943.70	340.18	4,934.17	4,800.33	133.84	36.866	
11,700.00	7,251.65	6,777.00	6,585.45	122.62	32.25	80.55	943.70	340.18	4,996.54	4,861.52	135.01	37.008	
11,800.00	7,252.23	6,777.00	6,585.45	125.30	32.25	80.55	943.70	340.18	5,060.11	4,923.97	136.13	37.170	
11,900.00	7,252.82	6,777.00	6,585.45	127.98	32.25	80.55	943.70	340.18	5,124.84	4,987.63	137.21	37.351	
12,000.00	7,253.40	6,777.00	6,585.45	130.68	32.25	80.55	943.70	340.18	5,190.69	5,052.46	138.24	37.549	
12,100.00	7,253.98	6,777.00	6,585.45	133.38	32.25	80.55	943.70	340.18	5,257.62	5,118.40	139.22	37.765	
12,200.00	7,254.56	6,777.00	6,585.45	136.09	32.25	80.55	943.70	340.18	5,325.59	5,185.43	140.16	37.995	
12,300.00	7,255.14	6,777.00	6,585.45	138.81	32.25	80.55	943.70	340.18	5,394.56	5,253.49	141.07	38.241	
12,400.00	7,255.72	6,777.00	6,585.45	141.53	32.25	80.55	943.70	340.18	5,464.48	5,322.55	141.93	38.501	
12,500.00	7,256.30	6,777.00	6,585.45	144.26	32.25	80.55	943.70	340.18	5,535.33	5,392.57	142.76	38.774	
12,600.00	7,256.88	6,777.00	6,585.45	146.99	32.25	80.55	943.70	340.18	5,607.06	5,463.52	143.55	39.060	
12,700.00	7,257.46	6,777.00	6,585.45	149.73	32.25	80.55	943.70	340.18	5,679.66	5,535.35	144.31	39.358	
12,800.00	7,258.04	6,777.00	6,585.45	152.47	32.25	80.55	943.70	340.18	5,753.07	5,608.04	145.03	39.668	
12,900.00	7,258.63	6,777.00	6,585.45	155.22	32.25	80.55	943.70	340.18	5,827.27	5,681.55	145.72	39.988	
13,000.00	7,259.21	6,777.00	6,585.45	157.97	32.25	80.55	943.70	340.18	5,902.24	5,755.85	146.39	40.319	
13,100.00	7,259.79	6,777.00	6,585.45	160.72	32.25	80.55	943.70	340.18	5,977.94	5,830.91	147.02	40.660	
13,200.00	7,260.37	6,736.50	6,545.61	163.48	32.11	79.98	943.83	332.97	6,053.38	5,905.92	147.46	41.051	
13,300.00	7,260.95	6,734.50	6,543.63	166.24	32.10	79.95	943.83	332.67	6,130.36	5,982.32	148.04	41.411	
13,400.00	7,261.53	6,732.58	6,541.73	169.01	32.10	79.92	943.83	332.39	6,207.99	6,059.40	148.59	41.779	
13,480.77	7,262.00	6,731.08	6,540.24	171.24	32.09	79.90	943.83	332.17	6,271.16	6,122.14	149.02	42.083	

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

Offset Design Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 166-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	138.73	-577.78	506.99	768.76				
100.00	100.00	89.88	89.88	3.28	3.29	138.75	-577.91	506.77	768.63	762.06	6.57	116.979	
200.00	200.00	191.02	191.02	3.34	3.31	138.82	-578.33	506.00	768.45	761.79	6.65	115.534	
276.94	276.94	269.20	269.19	3.42	3.38	138.88	-578.66	505.21	768.18	761.39	6.80	113.036	
300.00	300.00	283.53	283.52	3.44	3.40	138.89	-578.85	505.12	768.27	761.43	6.84	112.298	
400.00	399.98	358.26	358.21	3.60	3.49	-16.15	-581.13	505.25	768.99	761.89	7.10	108.263	
500.00	499.84	442.36	442.14	3.79	3.64	-16.00	-586.45	505.57	769.00	761.55	7.45	103.248	
600.00	599.45	520.60	520.03	4.02	3.80	-15.81	-593.73	506.07	768.09	760.23	7.86	97.675	
700.00	698.70	605.14	603.97	4.29	4.01	-15.63	-603.68	507.48	766.36	758.01	8.35	91.786	
800.00	797.47	688.99	686.96	4.59	4.24	-15.41	-615.56	508.90	763.18	754.29	8.89	85.827	
900.00	895.62	770.83	767.54	4.93	4.50	-15.11	-629.83	509.95	758.93	749.44	9.48	80.031	
1,000.00	993.06	855.11	849.88	5.31	4.79	-14.65	-647.76	510.18	753.69	743.56	10.13	74.428	
1,100.00	1,089.64	943.53	935.65	5.72	5.12	-14.02	-669.23	509.21	746.74	735.92	10.82	69.024	
1,200.00	1,185.27	1,031.53	1,020.18	6.16	5.48	-13.20	-693.54	506.59	738.13	726.57	11.56	63.876	
1,300.00	1,279.82	1,124.26	1,108.82	6.64	5.89	-12.29	-720.57	503.60	727.46	715.11	12.35	58.920	
1,400.00	1,373.17	1,220.50	1,200.59	7.15	6.33	-11.31	-749.38	500.23	714.14	700.95	13.19	54.161	
1,500.00	1,465.21	1,316.55	1,292.20	7.70	6.79	-10.38	-778.07	497.26	697.84	683.78	14.05	49.651	
1,600.00	1,555.84	1,411.89	1,382.88	8.30	7.26	-9.40	-807.34	493.99	678.90	663.95	14.95	45.408	
1,651.50	1,601.92	1,466.09	1,434.28	8.62	7.53	-8.74	-824.31	491.21	667.74	652.29	15.45	43.228	
1,700.00	1,645.13	1,515.14	1,480.73	8.93	7.78	-8.04	-839.75	488.03	656.64	640.73	15.91	41.278	
1,800.00	1,734.20	1,614.21	1,574.49	9.58	8.29	-6.50	-870.95	480.82	633.65	616.80	16.86	37.593	
1,900.00	1,823.28	1,712.97	1,668.24	10.25	8.81	-4.92	-901.26	474.17	610.67	592.86	17.81	34.281	
2,000.00	1,912.36	1,809.70	1,760.19	10.94	9.32	-3.32	-930.70	468.22	588.17	569.39	18.77	31.333	
2,100.00	2,001.43	1,916.69	1,862.63	11.63	9.88	-1.60	-961.02	462.58	564.56	544.79	19.77	28.552	
2,200.00	2,090.51	2,016.01	1,958.14	12.34	10.40	0.04	-987.85	457.72	540.36	519.61	20.74	26.048	
2,300.00	2,179.59	2,117.46	2,056.01	13.05	10.92	1.76	-1,014.20	453.48	515.89	494.16	21.73	23.746	
2,400.00	2,268.66	2,214.86	2,150.18	13.76	11.43	3.58	-1,038.64	448.93	490.86	468.17	22.70	21.626	
2,500.00	2,357.74	2,303.22	2,235.53	14.49	11.89	5.38	-1,061.19	445.15	466.90	443.24	23.66	19.736	
2,600.00	2,446.82	2,401.42	2,330.09	15.21	12.40	7.55	-1,087.45	441.58	444.84	420.19	24.65	18.043	
2,700.00	2,535.89	2,498.65	2,424.11	15.95	12.91	9.81	-1,111.99	438.39	422.05	396.39	25.66	16.447	
2,800.00	2,624.97	2,590.26	2,512.57	16.68	13.39	12.12	-1,135.69	435.87	400.70	374.03	26.67	15.024	
2,900.00	2,714.05	2,680.80	2,599.74	17.42	13.87	14.54	-1,160.10	434.23	381.34	353.64	27.70	13.768	
3,000.00	2,803.12	2,778.76	2,693.71	18.16	14.40	17.57	-1,187.66	431.55	363.92	335.13	28.79	12.642	
3,100.00	2,892.20	2,873.41	2,784.67	18.90	14.91	20.88	-1,213.61	428.30	346.83	316.92	29.91	11.597	
3,200.00	2,981.28	2,965.75	2,873.02	19.65	15.42	24.56	-1,240.16	424.13	332.43	301.36	31.07	10.699	
3,300.00	3,070.36	3,066.83	2,969.68	20.40	15.98	28.89	-1,269.35	419.72	319.86	287.50	32.36	9.885	
3,400.00	3,159.43	3,162.41	3,061.51	21.14	16.50	33.30	-1,295.57	415.73	307.66	273.98	33.69	9.133	
3,500.00	3,248.51	3,256.95	3,152.09	21.89	17.02	37.95	-1,322.33	411.59	298.44	263.35	35.09	8.505	
3,600.00	3,337.59	3,361.20	3,252.21	22.65	17.58	43.33	-1,351.06	407.40	290.72	254.06	36.66	7.930	
3,700.00	3,426.66	3,452.39	3,340.11	23.40	18.08	48.23	-1,375.11	404.35	284.09	245.90	38.19	7.439	
3,800.00	3,515.74	3,552.96	3,436.82	24.15	18.62	53.82	-1,402.44	400.51	280.97	241.09	39.88	7.045	
3,900.00	3,604.82	3,649.92	3,530.34	24.91	19.14	59.20	-1,427.91	397.93	279.11	237.55	41.56	6.716	
3,917.15	3,620.09	3,666.49	3,546.31	25.04	19.23	60.10	-1,432.33	397.61	279.04	237.19	41.85	6.668	CC
4,000.00	3,693.89	3,743.78	3,620.66	25.66	19.65	64.25	-1,453.35	395.93	280.18	236.98	43.20	6.486	ES
4,100.00	3,782.97	3,836.91	3,709.93	26.42	20.17	69.04	-1,479.80	393.77	284.72	239.92	44.79	6.357	
4,200.00	3,872.05	3,932.88	3,801.55	27.18	20.71	73.59	-1,508.30	391.68	292.16	245.78	46.38	6.300	
4,300.00	3,961.12	4,029.63	3,893.79	27.94	21.25	77.84	-1,537.44	389.76	301.57	253.64	47.93	6.292	SF
4,400.00	4,050.20	4,125.89	3,985.42	28.69	21.80	81.74	-1,566.86	387.96	312.75	263.33	49.42	6.329	
4,500.00	4,139.28	4,221.36	4,076.15	29.45	22.34	85.26	-1,596.51	386.07	325.67	274.82	50.84	6.405	
4,600.00	4,228.35	4,320.28	4,170.30	30.21	22.91	88.72	-1,626.77	383.90	339.78	287.49	52.29	6.498	
4,700.00	4,317.43	4,419.13	4,264.70	30.97	23.46	92.04	-1,656.03	381.91	354.50	300.81	53.69	6.603	
4,800.00	4,406.51	4,505.12	4,346.88	31.73	23.95	94.82	-1,681.16	378.88	371.57	316.79	54.78	6.783	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 166-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,495.59	4,600.31	4,437.89	32.50	24.48	97.75	-1,708.64	373.95	391.14	335.11	56.02	6.982	
5,000.00	4,584.66	4,697.22	4,530.76	33.26	25.02	100.57	-1,735.82	368.71	411.69	354.43	57.26	7.190	
5,100.00	4,673.74	4,798.02	4,627.79	34.02	25.57	103.41	-1,762.66	363.67	432.53	374.00	58.54	7.389	
5,200.00	4,762.82	4,888.45	4,715.14	34.78	26.05	105.88	-1,785.63	359.29	453.98	394.42	59.56	7.623	
5,300.00	4,851.89	4,981.73	4,805.12	35.54	26.56	108.18	-1,809.56	353.67	477.40	416.78	60.62	7.876	
5,400.00	4,940.97	5,080.13	4,900.22	36.31	27.08	110.46	-1,834.14	347.85	501.42	439.66	61.76	8.119	
5,500.00	5,030.05	5,174.91	4,991.75	37.07	27.59	112.41	-1,858.21	342.69	525.65	462.82	62.82	8.367	
5,600.00	5,119.12	5,279.00	5,092.34	37.83	28.15	114.39	-1,884.44	337.45	550.06	486.00	64.06	8.587	
5,700.00	5,208.20	5,379.78	5,190.02	38.60	28.69	116.24	-1,908.99	333.96	573.50	508.30	65.20	8.797	
5,800.00	5,297.28	5,479.97	5,287.97	39.36	29.19	118.29	-1,929.90	331.58	596.74	530.50	66.25	9.008	
5,900.00	5,386.35	5,578.05	5,384.52	40.13	29.66	120.46	-1,947.08	330.27	620.09	552.90	67.19	9.229	
6,000.00	5,475.43	5,678.86	5,484.11	40.89	30.14	122.73	-1,962.69	330.05	643.51	575.40	68.11	9.448	
6,100.00	5,564.51	5,766.53	5,571.00	41.66	30.53	124.74	-1,974.33	330.18	667.87	599.07	68.80	9.707	
6,200.00	5,653.58	5,848.46	5,652.47	42.42	30.88	126.68	-1,982.98	329.81	694.30	624.96	69.34	10.013	
6,300.00	5,742.66	5,931.07	5,734.79	43.19	31.23	128.63	-1,989.84	328.66	723.12	653.28	69.83	10.355	
6,400.00	5,831.74	6,019.63	5,823.10	43.95	31.59	130.66	-1,996.06	326.90	753.78	683.38	70.40	10.707	
6,500.00	5,920.82	6,111.55	5,914.84	44.72	31.96	132.68	-2,001.61	325.31	785.45	714.44	71.01	11.061	
6,600.00	6,009.89	6,201.43	6,004.60	45.48	32.32	134.58	-2,006.11	324.21	817.94	746.37	71.57	11.429	
6,700.00	6,098.97	6,288.50	6,091.64	46.25	32.65	136.44	-2,008.48	323.72	851.56	779.51	72.05	11.819	
6,800.00	6,188.05	6,371.62	6,174.75	47.01	32.96	138.16	-2,009.64	323.30	886.54	814.09	72.45	12.237	
6,900.00	6,277.12	6,453.98	6,257.09	47.78	33.27	139.74	-2,010.71	322.14	923.08	850.23	72.84	12.672	
7,000.00	6,366.20	7,952.74	7,096.18	48.55	39.21	-162.87	-2,014.84	1,176.18	879.96	818.44	61.52	14.305	
7,100.00	6,455.28	7,971.95	7,095.91	49.31	39.51	-161.43	-2,015.31	1,195.38	830.79	763.97	66.82	12.434	
7,197.64	6,542.25	7,990.84	7,095.65	50.06	39.81	-160.00	-2,015.79	1,214.26	791.63	719.69	71.94	11.004	
7,200.00	6,544.35	7,991.30	7,095.64	50.08	39.82	-160.27	-2,015.80	1,214.71	790.80	718.74	72.06	10.975	
7,250.00	6,589.22	7,998.85	7,095.54	50.44	39.94	-166.85	-2,016.00	1,222.26	774.65	700.12	74.53	10.394	
7,300.00	6,634.48	8,002.41	7,095.49	50.77	40.00	-174.79	-2,016.09	1,225.83	761.37	684.58	76.79	9.914	
7,350.00	6,679.86	8,001.96	7,095.50	51.06	39.99	176.38	-2,016.08	1,225.37	751.25	672.47	78.78	9.537	
7,400.00	6,725.09	7,997.46	7,095.56	51.31	39.92	167.27	-2,015.96	1,220.87	744.47	664.06	80.41	9.258	
7,450.00	6,769.87	7,988.92	7,095.68	51.52	39.78	158.37	-2,015.74	1,212.34	741.10	659.45	81.65	9.077	
7,475.40	6,792.37	7,983.05	7,095.76	51.61	39.69	154.03	-2,015.59	1,206.47	740.67	658.56	82.12	9.020	
7,500.00	6,813.94	7,976.38	7,095.85	51.69	39.58	149.96	-2,015.42	1,199.80	741.06	658.60	82.47	8.986	
7,550.00	6,857.03	7,959.89	7,096.08	51.84	39.32	142.15	-2,015.01	1,183.32	744.18	661.31	82.87	8.980	
7,600.00	6,898.86	7,939.53	7,096.37	51.95	39.00	134.89	-2,014.53	1,162.97	750.13	667.25	82.88	9.051	
7,650.00	6,939.19	7,912.90	7,096.76	52.05	38.59	127.96	-2,013.95	1,136.35	758.52	676.05	82.48	9.197	
7,700.00	6,977.75	7,872.00	7,097.39	52.13	38.00	120.82	-2,013.58	1,095.45	768.60	687.06	81.53	9.427	
7,750.00	7,014.32	7,825.41	7,098.15	52.20	37.33	114.09	-2,014.11	1,048.88	779.55	699.24	80.31	9.707	
7,800.00	7,048.67	7,795.11	7,098.60	52.26	36.95	108.95	-2,014.70	1,018.59	791.16	711.68	79.48	9.954	
7,850.00	7,080.59	7,762.68	7,098.92	52.33	36.54	104.23	-2,015.17	986.16	803.37	724.78	78.59	10.222	
7,900.00	7,109.87	7,728.01	7,099.09	52.39	36.14	99.92	-2,015.50	951.49	815.79	738.11	77.68	10.502	
7,950.00	7,136.35	7,688.82	7,099.14	52.47	35.99	95.96	-2,015.76	912.30	827.95	751.17	76.78	10.783	
8,000.00	7,159.85	7,647.74	7,099.06	52.55	35.98	92.47	-2,015.94	871.23	839.44	763.51	75.94	11.054	
8,050.00	7,180.23	7,606.67	7,098.63	52.64	35.98	89.50	-2,016.03	830.16	849.98	774.71	75.27	11.292	
8,100.00	7,197.37	7,565.42	7,097.25	52.75	35.98	86.98	-2,016.00	788.93	859.40	784.66	74.74	11.499	
8,150.00	7,211.16	7,528.08	7,095.14	52.88	35.98	84.97	-2,015.83	751.65	867.56	793.10	74.46	11.651	
8,200.00	7,221.51	7,496.21	7,092.43	53.03	35.97	83.42	-2,015.27	719.90	874.76	800.25	74.51	11.740	
8,250.00	7,228.37	7,464.19	7,088.81	53.20	35.97	82.19	-2,014.24	688.11	880.96	806.26	74.70	11.794	
8,300.00	7,231.68	7,432.05	7,084.28	53.40	35.97	81.27	-2,012.75	656.33	886.09	811.07	75.02	11.811	
8,317.45	7,232.00	7,413.00	7,081.17	53.47	35.97	80.94	-2,011.64	637.56	887.66	812.72	74.94	11.845	
8,400.00	7,232.48	7,353.79	7,064.90	53.86	35.92	79.91	-2,008.85	580.81	895.31	819.87	75.44	11.868	
8,500.00	7,233.06	7,291.09	7,035.02	54.44	35.84	78.02	-2,007.79	525.86	907.69	831.63	76.05	11.935	
8,600.00	7,233.64	7,247.46	7,007.30	55.14	35.77	76.29	-2,007.69	492.23	926.17	848.86	77.31	11.979	

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

Offset Design Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 166-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,700.00	7,234.22	7,212.38	6,981.47	55.99	35.70	74.69	-2,007.89	468.53	951.92	873.01	78.90	12.064	
8,800.00	7,234.80	7,170.00	6,947.91	57.00	35.59	72.66	-2,007.99	442.66	985.07	904.94	80.13	12.293	
8,900.00	7,235.39	7,145.58	6,927.73	58.18	35.53	71.46	-2,008.07	428.91	1,024.89	942.85	82.03	12.493	
9,000.00	7,235.97	7,112.78	6,899.82	59.53	35.44	69.83	-2,008.52	411.69	1,070.89	987.46	83.44	12.835	
9,100.00	7,236.55	7,074.00	6,865.74	61.04	35.34	67.86	-2,009.56	393.22	1,122.69	1,038.23	84.46	13.293	
9,200.00	7,237.13	7,074.00	6,865.74	62.69	35.34	67.86	-2,009.56	393.22	1,179.65	1,092.96	86.69	13.608	
9,300.00	7,237.71	7,046.37	6,840.81	64.47	35.26	66.45	-2,010.43	381.34	1,241.29	1,153.56	87.73	14.149	
9,400.00	7,238.29	7,031.01	6,826.74	66.36	35.21	65.66	-2,010.86	375.20	1,307.28	1,218.31	88.97	14.694	
9,500.00	7,238.87	7,017.21	6,813.98	68.34	35.17	64.96	-2,011.21	369.96	1,376.96	1,286.91	90.05	15.291	
9,600.00	7,239.45	6,979.00	6,778.09	70.41	35.06	63.04	-2,012.02	356.88	1,450.54	1,360.17	90.37	16.051	
9,700.00	7,240.03	6,979.00	6,778.09	72.55	35.06	63.04	-2,012.02	356.88	1,525.79	1,434.30	91.49	16.678	
9,800.00	7,240.61	6,979.00	6,778.09	74.76	35.06	63.04	-2,012.02	356.88	1,603.75	1,511.33	92.42	17.353	
9,900.00	7,241.20	6,979.00	6,778.09	77.02	35.06	63.04	-2,012.02	356.88	1,684.03	1,590.84	93.19	18.071	
10,000.00	7,241.78	6,979.00	6,778.09	79.33	35.06	63.04	-2,012.02	356.88	1,766.34	1,672.50	93.83	18.824	
10,100.00	7,242.36	6,979.00	6,778.09	81.68	35.06	63.04	-2,012.02	356.88	1,850.38	1,756.02	94.37	19.608	
10,200.00	7,242.94	6,979.00	6,778.09	84.07	35.06	63.04	-2,012.02	356.88	1,935.95	1,841.14	94.81	20.419	
10,300.00	7,243.52	6,943.00	6,743.63	86.49	34.94	61.25	-2,012.59	346.51	2,021.58	1,926.85	94.73	21.341	
10,400.00	7,244.10	6,936.72	6,737.56	88.95	34.92	60.94	-2,012.67	344.90	2,109.16	2,014.16	95.00	22.202	
10,500.00	7,244.68	6,930.88	6,731.90	91.43	34.90	60.65	-2,012.75	343.45	2,197.74	2,102.50	95.23	23.077	
10,600.00	7,245.26	6,925.44	6,726.62	93.93	34.89	60.39	-2,012.82	342.15	2,287.19	2,191.76	95.43	23.966	
10,700.00	7,245.84	6,920.37	6,721.69	96.46	34.87	60.14	-2,012.88	340.98	2,377.44	2,281.83	95.61	24.867	
10,800.00	7,246.42	6,886.00	6,688.03	99.01	34.76	58.49	-2,013.20	334.06	2,469.23	2,373.75	95.48	25.862	
10,900.00	7,247.01	6,886.00	6,688.03	101.58	34.76	58.49	-2,013.20	334.06	2,560.58	2,464.92	95.66	26.767	
11,000.00	7,247.59	6,886.00	6,688.03	104.16	34.76	58.49	-2,013.20	334.06	2,652.57	2,556.74	95.82	27.682	
11,100.00	7,248.17	6,886.00	6,688.03	106.76	34.76	58.49	-2,013.20	334.06	2,745.11	2,649.15	95.96	28.607	
11,200.00	7,248.75	6,886.00	6,688.03	109.37	34.76	58.49	-2,013.20	334.06	2,838.16	2,742.08	96.08	29.541	
11,300.00	7,249.33	6,886.00	6,688.03	112.00	34.76	58.49	-2,013.20	334.06	2,931.66	2,835.48	96.18	30.482	
11,400.00	7,249.91	6,886.00	6,688.03	114.64	34.76	58.49	-2,013.20	334.06	3,025.58	2,929.32	96.27	31.430	
11,500.00	7,250.49	6,886.00	6,688.03	117.29	34.76	58.49	-2,013.20	334.06	3,119.88	3,023.54	96.34	32.384	
11,600.00	7,251.07	6,886.00	6,688.03	119.95	34.76	58.49	-2,013.20	334.06	3,214.53	3,118.12	96.41	33.343	
11,700.00	7,251.65	6,886.00	6,688.03	122.62	34.76	58.49	-2,013.20	334.06	3,309.49	3,213.02	96.46	34.308	
11,800.00	7,252.23	6,886.00	6,688.03	125.30	34.76	58.49	-2,013.20	334.06	3,404.73	3,308.22	96.51	35.277	
11,900.00	7,252.82	6,886.00	6,688.03	127.98	34.76	58.49	-2,013.20	334.06	3,500.25	3,403.69	96.56	36.250	
12,000.00	7,253.40	6,886.00	6,688.03	130.68	34.76	58.49	-2,013.20	334.06	3,596.00	3,499.41	96.60	37.227	
12,100.00	7,253.98	6,886.00	6,688.03	133.38	34.76	58.49	-2,013.20	334.06	3,691.98	3,595.35	96.63	38.207	
12,200.00	7,254.56	6,886.00	6,688.03	136.09	34.76	58.49	-2,013.20	334.06	3,788.17	3,691.51	96.66	39.190	
12,300.00	7,255.14	6,886.00	6,688.03	138.81	34.76	58.49	-2,013.20	334.06	3,884.56	3,787.87	96.69	40.176	
12,400.00	7,255.72	6,886.00	6,688.03	141.53	34.76	58.49	-2,013.20	334.06	3,981.12	3,884.40	96.71	41.164	
12,500.00	7,256.30	6,886.00	6,688.03	144.26	34.76	58.49	-2,013.20	334.06	4,077.84	3,981.11	96.74	42.154	
12,600.00	7,256.88	6,886.00	6,688.03	146.99	34.76	58.49	-2,013.20	334.06	4,174.72	4,077.97	96.76	43.147	
12,700.00	7,257.46	6,848.83	6,651.33	149.73	34.63	56.77	-2,013.18	328.12	4,270.95	4,174.30	96.64	44.193	
12,800.00	7,258.04	6,846.08	6,648.61	152.47	34.62	56.65	-2,013.16	327.73	4,367.99	4,271.33	96.66	45.191	
12,900.00	7,258.63	6,843.42	6,645.98	155.22	34.62	56.53	-2,013.13	327.35	4,465.15	4,368.48	96.67	46.189	
13,000.00	7,259.21	6,840.85	6,643.44	157.97	34.61	56.41	-2,013.10	327.00	4,562.43	4,465.75	96.68	47.189	
13,100.00	7,259.79	6,838.36	6,640.97	160.72	34.60	56.30	-2,013.07	326.66	4,659.82	4,563.12	96.70	48.190	
13,200.00	7,260.37	6,835.95	6,638.59	163.48	34.59	56.19	-2,013.03	326.34	4,757.30	4,660.59	96.71	49.192	
13,300.00	7,260.95	6,833.62	6,636.27	166.24	34.58	56.09	-2,013.00	326.03	4,854.89	4,758.16	96.72	50.194	
13,400.00	7,261.53	6,831.36	6,634.03	169.01	34.57	55.99	-2,012.96	325.73	4,952.56	4,855.83	96.74	51.196	
13,480.77	7,262.00	6,829.58	6,632.27	171.24	34.57	55.91	-2,012.93	325.50	5,031.52	4,934.77	96.75	52.007	

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

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 436-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	137.71	-557.75	507.27	754.00				
100.00	100.00	88.07	88.06	3.28	3.29	137.75	-558.13	506.92	753.98	747.41	6.57	114.750	
200.00	200.00	186.99	186.97	3.34	3.31	137.89	-559.49	505.72	754.17	747.53	6.64	113.517	
300.00	300.00	285.84	285.77	3.44	3.34	138.13	-561.81	503.64	754.52	747.74	6.79	111.173	
400.00	399.98	384.61	384.44	3.60	3.39	-16.71	-565.11	500.71	753.37	746.38	6.99	107.817	
500.00	499.84	477.24	476.90	3.79	3.48	-16.41	-569.38	497.09	749.23	741.97	7.27	103.082	
600.00	599.45	566.57	565.80	4.02	3.64	-15.97	-576.55	492.19	743.31	735.65	7.66	97.042	
700.00	698.70	657.31	655.82	4.29	3.84	-15.39	-586.08	485.94	735.10	726.97	8.13	90.409	
800.00	797.47	742.35	739.98	4.59	4.06	-14.81	-596.84	480.10	725.30	716.64	8.66	83.755	
900.00	895.62	825.53	821.95	4.93	4.31	-14.17	-609.65	474.23	714.28	705.04	9.24	77.286	
1,000.00	993.06	905.00	899.94	5.31	4.57	-13.52	-624.03	469.13	702.53	692.66	9.86	71.216	
1,100.00	1,089.64	982.84	976.05	5.72	4.85	-12.90	-639.91	465.42	690.39	679.86	10.52	65.610	
1,200.00	1,185.27	1,067.48	1,058.50	6.16	5.17	-12.27	-658.84	462.85	677.60	666.37	11.24	60.308	
1,300.00	1,279.82	1,157.21	1,145.60	6.64	5.53	-11.60	-680.28	460.70	663.20	651.21	11.99	55.302	
1,400.00	1,373.17	1,255.28	1,240.57	7.15	5.94	-10.83	-704.65	458.29	646.31	633.49	12.82	50.426	
1,500.00	1,465.21	1,350.29	1,332.30	7.70	6.36	-9.94	-729.08	454.48	626.07	612.41	13.67	45.814	
1,600.00	1,555.84	1,440.28	1,418.79	8.30	6.78	-8.96	-753.55	450.11	603.47	588.95	14.53	41.547	
1,651.50	1,601.92	1,486.90	1,463.38	8.62	7.00	-8.37	-766.91	447.53	591.07	576.09	14.98	39.455	
1,700.00	1,645.13	1,532.97	1,507.37	8.93	7.23	-7.70	-780.32	444.83	579.15	563.73	15.42	37.554	
1,800.00	1,734.20	1,627.35	1,597.42	9.58	7.70	-6.23	-808.00	439.21	555.00	538.66	16.34	33.974	
1,900.00	1,823.28	1,726.30	1,692.04	10.25	8.20	-4.67	-836.55	434.30	531.27	513.99	17.28	30.745	
2,000.00	1,912.36	1,828.00	1,789.76	10.94	8.72	-3.09	-864.39	430.10	506.96	488.72	18.24	27.789	
2,100.00	2,001.43	1,927.80	1,886.12	11.63	9.22	-1.58	-890.19	426.98	482.06	462.86	19.20	25.108	
2,200.00	2,090.51	2,029.10	1,984.36	12.34	9.72	-0.11	-914.80	425.21	456.62	436.47	20.16	22.652	
2,300.00	2,179.59	2,139.15	2,091.69	13.05	10.25	1.55	-939.03	423.19	429.37	408.24	21.13	20.323	
2,400.00	2,268.66	2,239.02	2,189.58	13.76	10.73	3.20	-958.68	421.06	400.18	378.12	22.07	18.136	
2,500.00	2,357.74	2,332.53	2,281.32	14.49	11.17	4.98	-976.70	418.99	370.91	347.90	23.01	16.121	
2,600.00	2,446.82	2,424.60	2,371.48	15.21	11.62	7.06	-995.17	416.87	342.76	318.79	23.97	14.302	
2,700.00	2,535.89	2,520.66	2,465.51	15.95	12.09	9.73	-1,014.66	414.07	315.19	290.25	24.94	12.637	
2,800.00	2,624.97	2,612.50	2,555.21	16.68	12.54	12.92	-1,034.07	410.64	289.03	263.07	25.95	11.136	
2,900.00	2,714.05	2,709.61	2,650.04	17.42	13.02	16.98	-1,054.61	406.77	263.95	236.94	27.01	9.773	
3,000.00	2,803.12	2,803.67	2,741.98	18.16	13.49	21.69	-1,074.12	402.94	239.96	211.83	28.14	8.529	
3,100.00	2,892.20	2,892.23	2,828.18	18.90	13.94	26.84	-1,094.16	399.80	219.76	190.40	29.36	7.485	
3,200.00	2,981.28	2,984.96	2,917.94	19.65	14.42	32.83	-1,117.30	397.29	204.18	173.48	30.70	6.651	
3,300.00	3,070.36	3,087.74	3,017.75	20.40	14.94	40.54	-1,141.60	394.46	190.23	157.98	32.25	5.898	
3,400.00	3,159.43	3,185.83	3,113.65	21.14	15.44	49.26	-1,162.01	391.67	177.37	143.40	33.97	5.221	
3,500.00	3,248.51	3,280.42	3,206.09	21.89	15.91	58.60	-1,181.90	389.00	169.39	133.57	35.82	4.728	
3,600.00	3,337.59	3,379.72	3,303.54	22.65	16.39	69.16	-1,200.86	387.38	164.60	126.86	37.75	4.361	
3,628.97	3,363.39	3,406.08	3,329.45	22.86	16.52	72.10	-1,205.70	386.86	164.25	125.98	38.27	4.292	CC, ES
3,700.00	3,426.66	3,471.97	3,394.15	23.40	16.84	79.48	-1,218.06	384.91	166.29	126.80	39.49	4.211	SF
3,800.00	3,515.74	3,567.62	3,487.98	24.15	17.31	89.45	-1,236.43	382.63	174.00	133.01	40.99	4.245	
3,900.00	3,604.82	3,660.82	3,579.28	24.91	17.77	97.97	-1,255.04	380.47	186.96	144.79	42.18	4.433	
4,000.00	3,693.89	3,753.63	3,670.03	25.66	18.24	105.19	-1,274.15	376.96	205.31	162.17	43.15	4.759	
4,100.00	3,782.97	3,849.42	3,763.96	26.42	18.72	111.74	-1,292.65	373.69	226.26	182.20	44.05	5.136	
4,200.00	3,872.05	3,940.23	3,852.59	27.18	19.18	116.46	-1,311.97	369.62	250.47	205.65	44.82	5.588	
4,300.00	3,961.12	4,034.67	3,944.19	27.94	19.67	120.02	-1,334.28	363.94	277.29	231.56	45.73	6.064	
4,400.00	4,050.20	4,137.06	4,043.10	28.69	20.21	122.88	-1,360.33	359.46	303.08	256.20	46.88	6.465	
4,500.00	4,139.28	4,233.31	4,136.00	29.45	20.72	125.09	-1,385.24	355.90	328.69	280.80	47.89	6.864	
4,600.00	4,228.35	4,329.52	4,229.59	30.21	21.22	127.47	-1,407.38	353.33	354.47	305.63	48.84	7.258	
4,700.00	4,317.43	4,422.70	4,320.80	30.97	21.69	129.88	-1,426.31	351.28	381.10	331.42	49.68	7.671	
4,800.00	4,406.51	4,515.17	4,411.37	31.73	22.15	131.99	-1,444.76	348.72	408.94	358.43	50.52	8.095	
4,900.00	4,495.59	4,608.87	4,503.37	32.50	22.62	133.99	-1,462.36	346.05	437.75	386.38	51.37	8.521	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 436-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,704.45	4,597.11	33.26	23.09	135.73	-1,480.80	343.22	466.92	414.63	52.29	8.929	
5,100.00	4,673.74	4,800.74	4,691.25	34.02	23.58	137.09	-1,500.75	339.85	496.31	443.05	53.26	9.318	
5,200.00	4,762.82	4,899.21	4,787.70	34.78	24.07	138.46	-1,520.44	337.45	525.33	471.06	54.27	9.681	
5,300.00	4,851.89	4,995.37	4,881.77	35.54	24.56	139.60	-1,540.24	335.24	554.20	498.95	55.24	10.032	
5,400.00	4,940.97	5,088.23	4,972.19	36.31	25.03	140.38	-1,561.12	332.15	583.25	527.04	56.21	10.376	
5,500.00	5,030.05	5,179.51	5,061.09	37.07	25.50	141.05	-1,581.52	328.35	613.16	556.00	57.16	10.726	
5,600.00	5,119.12	5,272.70	5,152.29	37.83	25.97	141.89	-1,600.37	325.34	643.37	585.26	58.11	11.071	
5,700.00	5,208.20	5,357.23	5,235.77	38.60	26.37	142.95	-1,613.60	324.09	674.52	615.69	58.83	11.466	
5,800.00	5,297.28	5,431.93	5,309.88	39.36	26.72	143.98	-1,622.77	322.49	708.07	648.75	59.32	11.936	
5,900.00	5,386.35	5,512.85	5,390.40	40.13	27.07	145.15	-1,630.46	320.19	743.86	683.97	59.89	12.420	
6,000.00	5,475.43	5,603.74	5,481.05	40.89	27.45	146.52	-1,636.75	318.17	780.85	720.22	60.62	12.881	
6,100.00	5,564.51	5,686.28	5,563.45	41.66	27.80	147.76	-1,641.21	316.84	818.56	757.38	61.18	13.379	
6,200.00	5,653.58	5,769.88	5,646.96	42.42	28.13	148.96	-1,644.74	315.07	857.65	795.88	61.77	13.885	
6,300.00	5,742.66	5,861.80	5,738.83	43.19	28.50	150.27	-1,647.19	313.76	897.47	834.97	62.50	14.360	
6,400.00	5,831.74	5,965.01	5,842.02	43.95	28.90	151.73	-1,649.11	314.11	936.89	873.47	63.42	14.772	
6,500.00	5,920.82	6,057.40	5,934.37	44.72	29.27	152.91	-1,651.79	315.04	975.60	911.43	64.17	15.204	
6,600.00	6,009.89	6,145.29	6,022.23	45.48	29.61	153.97	-1,653.82	316.04	1,014.91	950.06	64.84	15.651	
6,700.00	6,098.97	6,235.26	6,112.17	46.25	29.96	154.97	-1,656.02	316.82	1,054.60	989.03	65.57	16.082	
6,800.00	6,188.05	6,320.65	6,197.53	47.01	30.30	155.86	-1,657.95	317.60	1,094.65	1,028.41	66.24	16.526	
6,900.00	6,277.12	6,403.72	6,280.59	47.78	30.63	156.66	-1,659.49	317.84	1,135.58	1,068.71	66.88	16.981	
7,000.00	6,366.20	6,495.75	6,372.61	48.55	30.99	157.52	-1,660.60	318.35	1,176.97	1,109.30	67.67	17.394	
7,100.00	6,455.28	7,882.92	7,218.15	49.31	38.04	-159.41	-1,683.37	1,204.92	1,147.59	1,077.12	70.47	16.285	
7,197.64	6,542.25	7,900.61	7,218.47	50.06	38.32	-158.50	-1,684.27	1,222.59	1,121.83	1,048.00	73.82	15.196	
7,200.00	6,544.35	7,901.04	7,218.47	50.08	38.33	-158.82	-1,684.29	1,223.01	1,121.30	1,047.40	73.90	15.173	
7,250.00	6,589.22	7,908.32	7,218.60	50.44	38.45	-166.20	-1,684.63	1,230.29	1,111.14	1,035.66	75.48	14.722	
7,300.00	6,634.48	7,912.50	7,218.68	50.77	38.52	-174.71	-1,684.82	1,234.46	1,103.13	1,026.22	76.90	14.345	
7,350.00	6,679.86	7,913.58	7,218.70	51.06	38.53	176.14	-1,684.87	1,235.54	1,097.40	1,019.25	78.15	14.042	
7,400.00	6,725.09	7,911.59	7,218.66	51.31	38.50	166.96	-1,684.78	1,233.55	1,094.04	1,014.83	79.21	13.812	
7,445.45	6,765.82	7,907.16	7,218.58	51.50	38.43	159.00	-1,684.58	1,229.13	1,093.06	1,013.07	79.99	13.666	
7,450.00	6,769.87	7,906.58	7,218.57	51.52	38.42	158.23	-1,684.55	1,228.55	1,093.06	1,013.01	80.05	13.654	
7,500.00	6,813.94	7,898.62	7,218.43	51.69	38.29	150.23	-1,684.17	1,220.59	1,094.44	1,013.75	80.69	13.563	
7,550.00	6,857.03	7,888.00	7,218.24	51.84	38.11	143.04	-1,683.64	1,209.99	1,098.07	1,016.94	81.13	13.535	
7,600.00	6,898.86	7,873.64	7,218.00	51.95	37.90	136.55	-1,682.87	1,195.65	1,103.79	1,022.41	81.38	13.564	
7,650.00	6,939.19	7,856.64	7,217.73	52.05	37.65	130.69	-1,681.91	1,178.68	1,111.39	1,029.93	81.46	13.644	
7,700.00	6,977.75	7,836.89	7,217.46	52.13	37.36	125.36	-1,680.71	1,158.97	1,120.63	1,039.24	81.38	13.770	
7,750.00	7,014.32	7,814.51	7,217.18	52.20	37.03	120.46	-1,679.26	1,136.64	1,131.23	1,050.04	81.19	13.934	
7,800.00	7,048.67	7,760.73	7,216.59	52.26	36.31	114.84	-1,675.84	1,082.98	1,142.84	1,062.57	80.27	14.238	
7,850.00	7,080.59	7,672.65	7,214.35	52.33	35.23	108.65	-1,674.11	994.96	1,152.97	1,074.32	78.65	14.659	
7,900.00	7,109.87	7,636.80	7,210.66	52.39	34.84	104.80	-1,673.70	959.31	1,162.96	1,084.81	78.15	14.881	
7,950.00	7,136.35	7,602.60	7,204.92	52.47	34.50	101.35	-1,673.09	925.61	1,172.92	1,095.24	77.68	15.099	
8,000.00	7,159.85	7,568.60	7,197.41	52.55	34.23	98.23	-1,672.31	892.46	1,182.74	1,105.44	77.29	15.302	
8,050.00	7,180.23	7,534.96	7,188.48	52.64	34.02	95.42	-1,671.39	860.03	1,192.24	1,115.29	76.95	15.493	
8,100.00	7,197.37	7,497.20	7,176.69	52.75	33.86	92.78	-1,670.22	824.19	1,201.27	1,124.69	76.58	15.686	
8,150.00	7,211.16	7,446.51	7,157.28	52.88	33.72	90.03	-1,669.05	777.41	1,209.30	1,133.32	75.98	15.915	
8,200.00	7,221.51	7,401.93	7,136.74	53.03	33.62	87.72	-1,668.57	737.86	1,216.13	1,140.56	75.58	16.091	
8,250.00	7,228.37	7,364.50	7,117.07	53.20	33.54	85.87	-1,668.42	706.02	1,221.93	1,146.48	75.46	16.193	
8,300.00	7,231.68	7,328.85	7,096.36	53.40	33.47	84.31	-1,668.46	677.01	1,226.71	1,151.26	75.45	16.258	
8,317.45	7,232.00	7,320.00	7,090.93	53.47	33.46	83.93	-1,668.49	670.02	1,228.13	1,152.56	75.57	16.252	
8,400.00	7,232.48	7,276.83	7,063.04	53.86	33.36	82.62	-1,668.51	637.08	1,236.25	1,160.04	76.21	16.222	
8,500.00	7,233.06	7,225.00	7,026.71	54.44	33.24	80.94	-1,668.06	600.13	1,250.88	1,173.83	77.06	16.233	
8,600.00	7,233.64	7,187.30	6,998.77	55.14	33.15	79.66	-1,667.48	574.84	1,270.76	1,192.34	78.42	16.205	
8,700.00	7,234.22	7,144.01	6,965.60	55.99	33.04	78.16	-1,666.67	547.03	1,295.81	1,216.17	79.64	16.270	

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

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 436-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	7,105.69	6,935.29	57.00	32.94	76.80	-1,665.84	523.59	1,326.02	1,245.01	81.01	16.369	
8,900.00	7,235.39	7,071.62	6,907.57	58.18	32.84	75.58	-1,665.01	503.81	1,361.34	1,278.89	82.45	16.510	
9,000.00	7,235.97	7,034.00	6,876.15	59.53	32.74	74.21	-1,664.00	483.16	1,401.66	1,317.93	83.72	16.742	
9,100.00	7,236.55	7,004.11	6,850.76	61.04	32.66	73.12	-1,663.15	467.41	1,446.50	1,361.39	85.12	16.994	
9,200.00	7,237.13	6,966.51	6,818.57	62.69	32.55	71.76	-1,662.02	448.01	1,495.41	1,409.19	86.21	17.346	
9,300.00	7,237.71	6,939.00	6,794.85	64.47	32.47	70.77	-1,661.16	434.10	1,548.06	1,460.61	87.45	17.702	
9,400.00	7,238.29	6,908.40	6,768.09	66.36	32.38	69.67	-1,660.31	419.29	1,604.32	1,515.81	88.50	18.127	
9,500.00	7,238.87	6,886.61	6,748.69	68.34	32.31	68.88	-1,659.85	409.39	1,664.06	1,574.43	89.63	18.565	
9,600.00	7,239.45	6,846.00	6,711.81	70.41	32.19	67.40	-1,659.34	392.39	1,727.30	1,637.06	90.24	19.140	
9,700.00	7,240.03	6,846.00	6,711.81	72.55	32.19	67.40	-1,659.34	392.39	1,792.91	1,701.33	91.58	19.578	
9,800.00	7,240.61	6,846.00	6,711.81	74.76	32.19	67.40	-1,659.34	392.39	1,861.59	1,768.84	92.75	20.071	
9,900.00	7,241.20	6,810.50	6,678.98	77.02	32.07	66.10	-1,659.26	378.88	1,932.35	1,839.18	93.18	20.738	
10,000.00	7,241.78	6,792.86	6,662.52	79.33	32.02	65.46	-1,659.34	372.54	2,005.41	1,911.57	93.84	21.372	
10,100.00	7,242.36	6,776.57	6,647.24	81.68	31.97	64.87	-1,659.50	366.91	2,080.42	1,985.99	94.43	22.031	
10,200.00	7,242.94	6,752.00	6,624.04	84.07	31.89	63.98	-1,659.87	358.83	2,157.26	2,062.44	94.83	22.749	
10,300.00	7,243.52	6,752.00	6,624.04	86.49	31.89	63.98	-1,659.87	358.83	2,235.65	2,140.14	95.52	23.406	
10,400.00	7,244.10	6,752.00	6,624.04	88.95	31.89	63.98	-1,659.87	358.83	2,315.71	2,219.59	96.12	24.093	
10,500.00	7,244.68	6,752.00	6,624.04	91.43	31.89	63.98	-1,659.87	358.83	2,397.26	2,300.62	96.64	24.806	
10,600.00	7,245.26	6,718.59	6,592.22	93.93	31.77	62.77	-1,660.39	348.66	2,479.46	2,382.74	96.72	25.634	
10,700.00	7,245.84	6,709.72	6,583.72	96.46	31.74	62.46	-1,660.50	346.12	2,563.17	2,466.11	97.06	26.409	
10,800.00	7,246.42	6,701.31	6,575.65	99.01	31.72	62.16	-1,660.59	343.77	2,647.92	2,550.56	97.35	27.199	
10,900.00	7,247.01	6,693.33	6,567.97	101.58	31.69	61.88	-1,660.67	341.60	2,733.62	2,636.00	97.62	28.003	
11,000.00	7,247.59	6,657.00	6,532.82	104.16	31.57	60.61	-1,660.90	332.41	2,820.69	2,723.10	97.59	28.904	
11,100.00	7,248.17	6,657.00	6,532.82	106.76	31.57	60.61	-1,660.90	332.41	2,907.83	2,809.95	97.88	29.708	
11,200.00	7,248.75	6,657.00	6,532.82	109.37	31.57	60.61	-1,660.90	332.41	2,995.77	2,897.64	98.14	30.526	
11,300.00	7,249.33	6,657.00	6,532.82	112.00	31.57	60.61	-1,660.90	332.41	3,084.45	2,986.08	98.37	31.356	
11,400.00	7,249.91	6,657.00	6,532.82	114.64	31.57	60.61	-1,660.90	332.41	3,173.80	3,075.23	98.57	32.198	
11,500.00	7,250.49	6,657.00	6,532.82	117.29	31.57	60.61	-1,660.90	332.41	3,263.77	3,165.02	98.75	33.050	
11,600.00	7,251.07	6,657.00	6,532.82	119.95	31.57	60.61	-1,660.90	332.41	3,354.31	3,255.39	98.91	33.911	
11,700.00	7,251.65	6,657.00	6,532.82	122.62	31.57	60.61	-1,660.90	332.41	3,445.37	3,346.31	99.06	34.781	
11,800.00	7,252.23	6,657.00	6,532.82	125.30	31.57	60.61	-1,660.90	332.41	3,536.91	3,437.72	99.19	35.659	
11,900.00	7,252.82	6,657.00	6,532.82	127.98	31.57	60.61	-1,660.90	332.41	3,628.90	3,529.60	99.30	36.544	
12,000.00	7,253.40	6,657.00	6,532.82	130.68	31.57	60.61	-1,660.90	332.41	3,721.30	3,621.90	99.41	37.435	
12,100.00	7,253.98	6,657.00	6,532.82	133.38	31.57	60.61	-1,660.90	332.41	3,814.09	3,714.59	99.50	38.333	
12,200.00	7,254.56	6,657.00	6,532.82	136.09	31.57	60.61	-1,660.90	332.41	3,907.23	3,807.65	99.58	39.236	
12,300.00	7,255.14	6,657.00	6,532.82	138.81	31.57	60.61	-1,660.90	332.41	4,000.70	3,901.05	99.66	40.144	
12,400.00	7,255.72	6,657.00	6,532.82	141.53	31.57	60.61	-1,660.90	332.41	4,094.49	3,994.76	99.73	41.057	
12,500.00	7,256.30	6,657.00	6,532.82	144.26	31.57	60.61	-1,660.90	332.41	4,188.56	4,088.77	99.79	41.974	
12,600.00	7,256.88	6,657.00	6,532.82	146.99	31.57	60.61	-1,660.90	332.41	4,282.89	4,183.05	99.85	42.895	
12,700.00	7,257.46	6,657.00	6,532.82	149.73	31.57	60.61	-1,660.90	332.41	4,377.48	4,277.58	99.90	43.819	
12,800.00	7,258.04	6,657.00	6,532.82	152.47	31.57	60.61	-1,660.90	332.41	4,472.31	4,372.36	99.95	44.747	
12,900.00	7,258.63	6,657.00	6,532.82	155.22	31.57	60.61	-1,660.90	332.41	4,567.35	4,467.36	99.99	45.678	
13,000.00	7,259.21	6,657.00	6,532.82	157.97	31.57	60.61	-1,660.90	332.41	4,662.61	4,562.58	100.03	46.612	
13,100.00	7,259.79	6,657.00	6,532.82	160.72	31.57	60.61	-1,660.90	332.41	4,758.05	4,657.99	100.07	47.549	
13,200.00	7,260.37	6,657.00	6,532.82	163.48	31.57	60.61	-1,660.90	332.41	4,853.69	4,753.58	100.10	48.488	
13,300.00	7,260.95	6,657.00	6,532.82	166.24	31.57	60.61	-1,660.90	332.41	4,949.49	4,849.36	100.13	49.429	
13,400.00	7,261.53	6,657.00	6,532.82	169.01	31.57	60.61	-1,660.90	332.41	5,045.46	4,945.29	100.16	50.372	
13,480.77	7,262.00	6,657.00	6,532.82	171.24	31.57	60.61	-1,660.90	332.41	5,123.08	5,022.89	100.19	51.135	

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

Offset Design Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 249-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	136.67	-537.71	507.26	739.30				
100.00	100.00	89.77	89.77	3.28	3.29	136.65	-537.47	507.45	739.18	732.61	6.57	112.497	
200.00	200.00	190.63	190.63	3.34	3.31	136.56	-536.63	508.10	739.01	732.37	6.64	111.237	
300.00	300.00	288.42	288.40	3.44	3.36	136.43	-535.33	509.20	738.82	732.02	6.80	108.607	
341.96	341.96	327.69	327.66	3.50	3.40	-18.76	-534.87	509.83	738.64	731.74	6.90	107.022	
400.00	399.98	381.99	381.95	3.60	3.47	-18.88	-534.37	510.91	737.69	730.62	7.07	104.414	
500.00	499.84	477.18	477.10	3.79	3.63	-19.18	-533.96	513.18	734.08	726.67	7.41	99.033	
600.00	599.45	573.77	573.69	4.02	3.82	-19.47	-534.93	514.66	727.64	719.80	7.84	92.815	
700.00	698.70	667.52	667.39	4.29	4.04	-19.72	-537.57	515.12	718.50	710.17	8.33	86.291	
800.00	797.47	757.02	756.74	4.59	4.27	-19.85	-542.59	514.38	707.17	698.30	8.86	79.800	
900.00	895.62	845.91	845.22	4.93	4.53	-19.81	-550.90	512.31	694.16	684.72	9.45	73.483	
1,000.00	993.06	934.77	933.21	5.31	4.80	-19.56	-562.52	508.33	679.12	669.04	10.08	67.377	
1,100.00	1,089.64	1,020.99	1,017.99	5.72	5.09	-19.09	-577.37	503.20	662.81	652.06	10.75	61.655	
1,200.00	1,185.27	1,115.95	1,111.01	6.16	5.43	-18.50	-595.39	496.94	644.21	632.73	11.48	56.093	
1,300.00	1,279.82	1,206.75	1,199.93	6.64	5.77	-18.03	-612.98	491.69	623.27	611.03	12.25	50.890	
1,400.00	1,373.17	1,297.31	1,288.43	7.15	6.14	-17.58	-631.52	486.81	600.24	587.19	13.04	46.024	
1,500.00	1,465.21	1,390.69	1,379.41	7.70	6.53	-17.06	-651.91	481.45	574.84	560.96	13.88	41.425	
1,600.00	1,555.84	1,487.72	1,473.78	8.30	6.95	-16.49	-673.61	475.40	546.38	531.63	14.75	37.038	
1,651.50	1,601.92	1,536.99	1,521.65	8.62	7.17	-16.17	-684.79	472.01	530.44	515.22	15.21	34.869	
1,700.00	1,645.13	1,582.21	1,565.52	8.93	7.37	-15.76	-695.21	468.66	515.03	499.39	15.64	32.926	
1,800.00	1,734.20	1,672.02	1,652.78	9.58	7.78	-14.97	-715.74	463.17	483.95	467.42	16.53	29.284	
1,900.00	1,823.28	1,765.04	1,743.29	10.25	8.21	-14.22	-736.76	458.82	453.61	436.18	17.44	26.017	
2,000.00	1,912.36	1,858.75	1,834.54	10.94	8.65	-13.46	-757.81	455.28	423.76	405.40	18.36	23.083	
2,100.00	2,001.43	1,957.08	1,930.51	11.63	9.11	-12.74	-779.05	452.53	393.87	374.57	19.30	20.409	
2,200.00	2,090.51	2,059.34	2,030.30	12.34	9.59	-11.58	-800.71	447.30	362.42	342.18	20.24	17.906	
2,300.00	2,179.59	2,155.32	2,124.04	13.05	10.05	-10.22	-820.52	441.67	330.30	309.13	21.17	15.600	
2,400.00	2,268.66	2,253.31	2,220.10	13.76	10.51	-8.82	-839.16	436.55	297.39	275.29	22.10	13.458	
2,500.00	2,357.74	2,348.31	2,313.47	14.49	10.96	-7.31	-856.08	431.86	263.81	240.79	23.02	11.460	
2,600.00	2,446.82	2,442.89	2,406.43	15.21	11.40	-5.40	-872.93	427.37	230.54	206.60	23.94	9.630	
2,700.00	2,535.89	2,537.64	2,499.82	15.95	11.85	-3.18	-888.36	423.29	196.45	171.60	24.85	7.904	
2,800.00	2,624.97	2,629.58	2,590.24	16.68	12.28	-0.01	-904.58	419.53	163.99	138.19	25.80	6.357	
2,900.00	2,714.05	2,724.39	2,683.62	17.42	12.73	4.53	-920.58	416.06	131.69	104.95	26.73	4.926	
3,000.00	2,803.12	2,817.02	2,774.56	18.16	13.17	12.51	-937.62	411.53	101.76	73.96	27.80	3.661	
3,100.00	2,892.20	2,911.70	2,867.52	18.90	13.63	26.63	-954.98	406.80	75.19	45.96	29.23	2.572	
3,200.00	2,981.28	3,006.32	2,960.49	19.65	14.08	51.52	-971.92	402.22	56.64	24.88	31.76	1.783	
3,263.99	3,038.28	3,067.34	3,020.67	20.13	14.37	73.94	-981.67	399.60	52.54	18.76	33.78	1.555	CC, ES, SF
3,300.00	3,070.36	3,100.70	3,053.62	20.40	14.53	86.64	-986.74	398.26	54.15	19.59	34.56	1.567	
3,400.00	3,159.43	3,194.44	3,145.83	21.14	14.98	112.79	-1,003.09	394.26	71.77	36.53	35.24	2.036	
3,500.00	3,248.51	3,290.09	3,239.59	21.89	15.45	126.61	-1,021.74	391.15	97.03	61.38	35.65	2.722	
3,600.00	3,337.59	3,383.97	3,331.98	22.65	15.90	135.41	-1,038.21	388.77	125.51	89.43	36.08	3.478	
3,700.00	3,426.66	3,478.01	3,424.56	23.40	16.35	140.98	-1,054.46	386.05	156.19	119.48	36.71	4.255	
3,800.00	3,515.74	3,572.57	3,517.53	24.15	16.81	144.51	-1,071.46	382.97	187.72	150.23	37.49	5.007	
3,900.00	3,604.82	3,666.08	3,609.38	24.91	17.26	146.85	-1,088.74	379.65	219.67	181.34	38.34	5.730	
4,000.00	3,693.89	3,758.66	3,700.37	25.66	17.71	148.59	-1,105.31	375.67	252.76	213.57	39.20	6.449	
4,100.00	3,782.97	3,855.55	3,795.48	26.42	18.19	149.86	-1,123.29	371.37	285.75	245.54	40.21	7.106	
4,200.00	3,872.05	3,955.13	3,892.55	27.18	18.69	150.33	-1,144.89	366.25	317.51	276.16	41.35	7.678	
4,300.00	3,961.12	4,050.32	3,984.87	27.94	19.18	150.41	-1,167.54	361.30	348.09	305.66	42.43	8.203	
4,400.00	4,050.20	4,140.68	4,072.62	28.69	19.65	150.47	-1,188.37	355.71	379.84	336.43	43.41	8.749	
4,500.00	4,139.28	4,230.50	4,160.04	29.45	20.11	150.62	-1,208.20	350.03	412.29	367.91	44.37	9.291	
4,600.00	4,228.35	4,315.27	4,243.11	30.21	20.53	151.03	-1,224.13	344.52	446.77	401.58	45.19	9.887	
4,700.00	4,317.43	4,408.17	4,334.55	30.97	20.98	151.67	-1,239.56	338.99	482.19	436.04	46.15	10.448	
4,800.00	4,406.51	4,506.07	4,431.03	31.73	21.45	152.34	-1,255.38	333.90	517.39	470.18	47.21	10.960	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 249-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,495.59	4,607.70	4,531.02	32.50	21.94	152.92	-1,273.03	329.66	551.15	502.81	48.34	11.402	
5,000.00	4,584.66	4,696.41	4,618.31	33.26	22.38	153.38	-1,288.45	326.23	584.75	535.52	49.23	11.878	
5,100.00	4,673.74	4,776.33	4,697.07	34.02	22.76	153.76	-1,301.34	321.97	620.17	570.21	49.96	12.413	
5,200.00	4,762.82	4,865.57	4,785.24	34.78	23.18	154.23	-1,314.20	317.01	656.86	606.01	50.85	12.917	
5,300.00	4,851.89	4,945.59	4,864.48	35.54	23.56	154.71	-1,324.32	312.50	694.73	643.18	51.55	13.476	
5,400.00	4,940.97	5,037.24	4,955.42	36.31	23.97	155.29	-1,334.53	307.32	733.61	681.14	52.47	13.981	
5,500.00	5,030.05	5,128.16	5,045.77	37.07	24.38	155.91	-1,343.74	303.11	772.50	719.13	53.36	14.476	
5,600.00	5,119.12	5,207.60	5,124.80	37.83	24.74	156.45	-1,350.93	299.48	812.11	758.08	54.03	15.029	
5,700.00	5,208.20	5,283.99	5,200.95	38.60	25.06	157.04	-1,355.85	296.01	853.43	798.80	54.62	15.623	
5,800.00	5,297.28	5,361.01	5,277.88	39.36	25.38	157.76	-1,358.24	293.31	896.31	841.12	55.20	16.239	
5,900.00	5,386.35	5,442.20	5,359.04	40.13	25.70	158.57	-1,358.93	290.93	940.43	884.60	55.83	16.845	
6,000.00	5,475.43	5,536.10	5,452.90	40.89	26.06	159.45	-1,359.32	288.64	984.68	927.98	56.71	17.364	
6,100.00	5,564.51	5,620.02	5,536.80	41.66	26.38	160.22	-1,359.26	286.98	1,029.15	971.75	57.40	17.930	
6,200.00	5,653.58	5,706.06	5,622.83	42.42	26.70	160.94	-1,358.94	285.12	1,074.08	1,015.94	58.14	18.475	
6,300.00	5,742.66	5,791.35	5,708.09	43.19	27.02	161.62	-1,358.20	283.42	1,119.37	1,060.51	58.86	19.018	
6,400.00	5,831.74	5,900.29	5,817.01	43.95	27.42	162.52	-1,356.52	283.11	1,164.29	1,104.32	59.97	19.413	
6,500.00	5,920.82	5,990.30	5,907.02	44.72	27.74	163.24	-1,355.56	283.85	1,208.37	1,147.61	60.76	19.887	
6,600.00	6,009.89	6,075.65	5,992.37	45.48	28.04	163.85	-1,354.77	284.32	1,252.66	1,191.17	61.48	20.374	
6,700.00	6,098.97	6,154.50	6,071.21	46.25	28.33	164.37	-1,353.94	284.26	1,297.49	1,235.38	62.11	20.890	
6,800.00	6,188.05	6,241.92	6,158.62	47.01	28.65	164.90	-1,352.73	283.71	1,342.96	1,280.07	62.89	21.354	
6,900.00	6,277.12	7,730.41	7,063.87	47.78	37.46	-158.67	-1,340.82	1,159.00	1,364.63	1,293.42	71.21	19.164	
7,000.00	6,366.20	7,750.23	7,064.50	48.55	37.78	-157.85	-1,341.67	1,178.78	1,349.06	1,275.21	73.85	18.268	
7,100.00	6,455.28	7,768.84	7,064.99	49.31	38.08	-157.07	-1,342.35	1,197.37	1,340.46	1,264.27	76.18	17.595	
7,170.56	6,518.13	7,781.30	7,065.27	49.85	38.28	-156.55	-1,342.73	1,209.82	1,338.67	1,261.05	77.62	17.247	
7,197.64	6,542.25	7,785.94	7,065.37	50.06	38.36	-156.36	-1,342.85	1,214.46	1,338.94	1,260.82	78.12	17.140	
7,200.00	6,544.35	7,786.34	7,065.37	50.08	38.36	-156.73	-1,342.86	1,214.86	1,338.98	1,260.82	78.16	17.131	
7,250.00	6,589.22	7,793.00	7,065.50	50.44	38.47	-165.32	-1,343.03	1,221.52	1,340.98	1,262.01	78.97	16.981	
7,300.00	6,634.48	7,793.00	7,065.50	50.77	38.47	-175.14	-1,343.03	1,221.52	1,344.89	1,265.35	79.54	16.908	
7,350.00	6,679.86	7,793.00	7,065.50	51.06	38.47	174.62	-1,343.03	1,221.52	1,350.68	1,270.67	80.01	16.880	
7,400.00	6,725.09	7,793.00	7,065.50	51.31	38.47	164.54	-1,343.03	1,221.52	1,358.30	1,277.91	80.39	16.897	
7,450.00	6,769.87	7,793.00	7,065.50	51.52	38.47	155.13	-1,343.03	1,221.52	1,367.67	1,287.00	80.67	16.954	
7,500.00	6,813.94	7,782.51	7,065.30	51.69	38.30	146.21	-1,342.76	1,211.03	1,378.63	1,298.00	80.64	17.097	
7,550.00	6,857.03	7,772.44	7,065.08	51.84	38.14	138.32	-1,342.46	1,200.98	1,391.04	1,310.50	80.54	17.271	
7,600.00	6,898.86	7,760.07	7,064.77	51.95	37.94	131.29	-1,342.04	1,188.61	1,404.71	1,324.37	80.34	17.484	
7,650.00	6,939.19	7,745.53	7,064.36	52.05	37.70	125.00	-1,341.49	1,174.10	1,419.41	1,339.36	80.05	17.731	
7,700.00	6,977.75	7,728.99	7,063.82	52.13	37.43	119.34	-1,340.76	1,157.57	1,434.94	1,355.24	79.70	18.004	
7,750.00	7,014.32	7,710.57	7,063.13	52.20	37.14	114.24	-1,339.83	1,139.20	1,451.06	1,371.76	79.30	18.298	
7,800.00	7,048.67	7,682.22	7,062.02	52.26	36.70	109.36	-1,338.25	1,110.91	1,467.52	1,388.81	78.70	18.646	
7,850.00	7,080.59	7,633.75	7,061.42	52.33	36.00	104.49	-1,335.83	1,062.51	1,483.65	1,405.93	77.72	19.090	
7,900.00	7,109.87	7,574.28	7,062.59	52.39	35.19	100.02	-1,333.54	1,003.09	1,498.86	1,422.26	76.61	19.566	
7,950.00	7,136.35	7,507.93	7,061.87	52.47	34.35	95.99	-1,332.13	936.77	1,512.61	1,437.17	75.45	20.049	
8,000.00	7,159.85	7,439.31	7,056.21	52.55	33.60	92.38	-1,332.12	868.41	1,524.60	1,450.26	74.35	20.507	
8,050.00	7,180.23	7,364.54	7,042.21	52.64	32.88	89.02	-1,334.07	795.04	1,534.65	1,461.50	73.16	20.977	
8,100.00	7,197.37	7,303.93	7,024.73	52.75	32.39	86.29	-1,337.37	737.12	1,542.55	1,470.25	72.30	21.335	
8,150.00	7,211.16	7,265.78	7,011.60	52.88	32.15	84.39	-1,339.80	701.38	1,548.95	1,476.92	72.03	21.504	
8,200.00	7,221.51	7,227.68	6,997.16	53.03	31.95	82.81	-1,342.31	666.22	1,553.92	1,482.08	71.84	21.630	
8,250.00	7,228.37	7,200.96	6,986.03	53.20	31.84	81.75	-1,344.06	642.00	1,557.50	1,485.47	72.03	21.623	
8,300.00	7,231.68	7,175.83	6,974.47	53.40	31.74	80.97	-1,345.59	619.73	1,559.85	1,487.51	72.35	21.561	
8,317.45	7,232.00	7,167.14	6,970.23	53.47	31.71	80.76	-1,346.09	612.17	1,560.37	1,487.90	72.48	21.529	
8,400.00	7,232.48	7,129.00	6,950.20	53.86	31.59	80.01	-1,348.12	579.78	1,563.76	1,490.52	73.24	21.351	
8,500.00	7,233.06	7,129.00	6,950.20	54.44	31.59	80.01	-1,348.12	579.78	1,572.69	1,497.28	75.41	20.854	
8,600.00	7,233.64	7,080.47	6,921.23	55.14	31.46	78.95	-1,349.26	540.89	1,585.32	1,508.77	76.55	20.709	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 249-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,700.00	7,234.22	7,034.00	6,889.98	55.99	31.34	77.84	-1,348.00	506.56	1,604.40	1,526.63	77.78	20.629	
8,800.00	7,234.80	7,034.00	6,889.98	57.00	31.34	77.84	-1,348.00	506.56	1,627.13	1,546.99	80.14	20.304	
8,900.00	7,235.39	6,939.00	6,819.32	58.18	31.08	75.34	-1,347.30	443.18	1,653.35	1,573.08	80.27	20.597	
9,000.00	7,235.97	6,906.16	6,793.29	59.53	30.98	74.42	-1,348.24	423.17	1,682.70	1,600.84	81.85	20.557	
9,100.00	7,236.55	6,885.57	6,776.52	61.04	30.92	73.83	-1,348.56	411.24	1,716.72	1,633.05	83.67	20.519	
9,200.00	7,237.13	6,845.00	6,742.49	62.69	30.80	72.67	-1,348.55	389.16	1,755.54	1,670.60	84.95	20.667	
9,300.00	7,237.71	6,845.00	6,742.49	64.47	30.80	72.67	-1,348.55	389.16	1,797.79	1,710.77	87.02	20.658	
9,400.00	7,238.29	6,845.00	6,742.49	66.36	30.80	72.67	-1,348.55	389.16	1,844.50	1,755.56	88.94	20.738	
9,500.00	7,238.87	6,813.34	6,715.05	68.34	30.70	71.74	-1,348.18	373.38	1,894.58	1,804.46	90.12	21.024	
9,600.00	7,239.45	6,797.64	6,701.16	70.41	30.65	71.27	-1,347.98	366.07	1,948.25	1,856.78	91.48	21.297	
9,700.00	7,240.03	6,783.37	6,688.37	72.55	30.60	70.85	-1,347.78	359.72	2,005.14	1,912.40	92.75	21.620	
9,800.00	7,240.61	6,751.00	6,658.87	74.76	30.50	69.88	-1,347.28	346.43	2,065.33	1,971.73	93.59	22.067	
9,900.00	7,241.20	6,751.00	6,658.87	77.02	30.50	69.88	-1,347.28	346.43	2,127.73	2,032.86	94.88	22.427	
10,000.00	7,241.78	6,751.00	6,658.87	79.33	30.50	69.88	-1,347.28	346.43	2,192.92	2,096.90	96.02	22.837	
10,100.00	7,242.36	6,728.10	6,637.65	81.68	30.42	69.18	-1,347.02	337.83	2,260.40	2,163.67	96.74	23.367	
10,200.00	7,242.94	6,712.77	6,623.32	84.07	30.37	68.72	-1,346.97	332.40	2,329.99	2,232.52	97.47	23.904	
10,300.00	7,243.52	6,698.81	6,610.18	86.49	30.32	68.29	-1,347.03	327.66	2,401.52	2,303.37	98.15	24.468	
10,400.00	7,244.10	6,686.03	6,598.09	88.95	30.27	67.90	-1,347.15	323.52	2,474.84	2,376.08	98.77	25.058	
10,500.00	7,244.68	6,656.00	6,569.46	91.43	30.17	66.98	-1,347.72	314.48	2,550.01	2,450.90	99.10	25.731	
10,600.00	7,245.26	6,656.00	6,569.46	93.93	30.17	66.98	-1,347.72	314.48	2,626.39	2,526.64	99.75	26.329	
10,700.00	7,245.84	6,656.00	6,569.46	96.46	30.17	66.98	-1,347.72	314.48	2,704.31	2,603.98	100.33	26.953	
10,800.00	7,246.42	6,656.00	6,569.46	99.01	30.17	66.98	-1,347.72	314.48	2,783.65	2,682.79	100.85	27.601	
10,900.00	7,247.01	6,656.00	6,569.46	101.58	30.17	66.98	-1,347.72	314.48	2,864.28	2,762.96	101.32	28.270	
11,000.00	7,247.59	6,656.00	6,569.46	104.16	30.17	66.98	-1,347.72	314.48	2,946.09	2,844.36	101.73	28.960	
11,100.00	7,248.17	6,656.00	6,569.46	106.76	30.17	66.98	-1,347.72	314.48	3,029.00	2,926.90	102.10	29.666	
11,200.00	7,248.75	6,621.50	6,536.22	109.37	30.04	65.93	-1,348.51	305.29	3,112.10	3,009.97	102.13	30.471	
11,300.00	7,249.33	6,615.94	6,530.83	112.00	30.02	65.76	-1,348.62	303.93	3,196.66	3,094.26	102.40	31.218	
11,400.00	7,249.91	6,610.64	6,525.69	114.64	30.00	65.60	-1,348.72	302.66	3,282.05	3,179.41	102.64	31.977	
11,500.00	7,250.49	6,605.60	6,520.79	117.29	29.99	65.45	-1,348.81	301.49	3,368.20	3,265.35	102.85	32.747	
11,600.00	7,251.07	6,600.78	6,516.10	119.95	29.97	65.30	-1,348.89	300.39	3,455.07	3,352.02	103.05	33.528	
11,700.00	7,251.65	6,562.00	6,478.14	122.62	29.83	64.13	-1,349.40	292.44	3,543.40	3,440.42	102.97	34.411	
11,800.00	7,252.23	6,562.00	6,478.14	125.30	29.83	64.13	-1,349.40	292.44	3,631.36	3,528.18	103.17	35.196	
11,900.00	7,252.82	6,562.00	6,478.14	127.98	29.83	64.13	-1,349.40	292.44	3,719.92	3,616.57	103.36	35.991	
12,000.00	7,253.40	6,562.00	6,478.14	130.68	29.83	64.13	-1,349.40	292.44	3,809.06	3,705.54	103.52	36.795	
12,100.00	7,253.98	6,562.00	6,478.14	133.38	29.83	64.13	-1,349.40	292.44	3,898.72	3,795.05	103.67	37.606	
12,200.00	7,254.56	6,562.00	6,478.14	136.09	29.83	64.13	-1,349.40	292.44	3,988.87	3,885.06	103.81	38.426	
12,300.00	7,255.14	6,562.00	6,478.14	138.81	29.83	64.13	-1,349.40	292.44	4,079.48	3,975.55	103.93	39.252	
12,400.00	7,255.72	6,562.00	6,478.14	141.53	29.83	64.13	-1,349.40	292.44	4,170.52	4,066.48	104.04	40.085	
12,500.00	7,256.30	6,562.00	6,478.14	144.26	29.83	64.13	-1,349.40	292.44	4,261.97	4,157.82	104.14	40.924	
12,600.00	7,256.88	6,562.00	6,478.14	146.99	29.83	64.13	-1,349.40	292.44	4,353.78	4,249.55	104.24	41.769	
12,700.00	7,257.46	6,562.00	6,478.14	149.73	29.83	64.13	-1,349.40	292.44	4,445.96	4,341.64	104.32	42.618	
12,800.00	7,258.04	6,562.00	6,478.14	152.47	29.83	64.13	-1,349.40	292.44	4,538.46	4,434.06	104.40	43.473	
12,900.00	7,258.63	6,562.00	6,478.14	155.22	29.83	64.13	-1,349.40	292.44	4,631.27	4,526.81	104.47	44.332	
13,000.00	7,259.21	6,562.00	6,478.14	157.97	29.83	64.13	-1,349.40	292.44	4,724.38	4,619.85	104.53	45.195	
13,100.00	7,259.79	6,562.00	6,478.14	160.72	29.83	64.13	-1,349.40	292.44	4,817.77	4,713.17	104.59	46.062	
13,200.00	7,260.37	6,562.00	6,478.14	163.48	29.83	64.13	-1,349.40	292.44	4,911.41	4,806.76	104.65	46.933	
13,300.00	7,260.95	6,562.00	6,478.14	166.24	29.83	64.13	-1,349.40	292.44	5,005.30	4,900.60	104.70	47.807	
13,400.00	7,261.53	6,562.00	6,478.14	169.01	29.83	64.13	-1,349.40	292.44	5,099.43	4,994.68	104.75	48.684	
13,480.77	7,262.00	6,562.00	6,478.14	171.24	29.83	64.13	-1,349.40	292.44	5,175.61	5,070.83	104.78	49.394	

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

Offset Design Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 141-MWD+IFR1

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	0.00	128.04	-397.82	508.37	645.62				
100.00	100.00	87.01	87.01	3.28	0.19	128.01	-397.62	508.70	645.66	642.19	3.48	185.768	
200.00	200.00	176.57	176.56	3.34	0.47	127.91	-397.13	509.91	646.43	642.61	3.82	169.302	
300.00	300.00	256.18	256.09	3.44	0.83	127.74	-397.27	513.34	649.94	645.61	4.33	150.044	
400.00	399.98	335.84	335.51	3.60	1.19	-27.66	-398.02	519.36	654.98	650.08	4.89	133.839	
500.00	499.84	410.82	410.03	3.79	1.53	-28.09	-399.65	527.56	660.41	654.91	5.50	120.051	
600.00	599.45	487.16	485.54	4.02	1.89	-28.64	-402.81	538.24	666.49	660.34	6.15	108.391	
700.00	698.70	568.89	566.03	4.29	2.26	-29.26	-408.39	551.26	672.81	665.99	6.82	98.644	
800.00	797.47	656.93	652.45	4.59	2.68	-29.91	-416.95	565.75	678.33	670.81	7.52	90.219	
900.00	895.62	749.97	743.54	4.93	3.14	-30.54	-428.52	580.72	682.22	673.97	8.24	82.752	
1,000.00	993.06	854.43	845.59	5.31	3.66	-31.10	-445.03	595.58	683.58	674.55	9.03	75.709	
1,100.00	1,089.64	981.20	969.40	5.72	4.27	-31.39	-469.71	606.87	679.65	669.74	9.90	68.623	
1,200.00	1,185.27	1,116.81	1,101.83	6.16	4.88	-31.30	-498.68	608.50	667.24	656.39	10.85	61.498	
1,300.00	1,279.82	1,220.48	1,202.36	6.64	5.34	-31.00	-523.55	604.06	649.09	637.35	11.74	55.284	
1,400.00	1,373.17	1,315.06	1,293.18	7.15	5.77	-30.55	-549.22	597.92	628.17	615.53	12.64	49.692	
1,500.00	1,465.21	1,409.58	1,383.29	7.70	6.21	-30.01	-576.87	590.86	604.89	591.32	13.58	44.556	
1,600.00	1,555.84	1,503.48	1,472.44	8.30	6.66	-29.49	-605.40	583.40	579.11	564.57	14.54	39.825	
1,651.50	1,601.92	1,551.87	1,518.19	8.62	6.91	-29.21	-620.63	579.35	564.91	549.86	15.05	37.534	
1,700.00	1,645.13	1,599.59	1,563.28	8.93	7.15	-28.78	-635.73	575.25	551.16	535.62	15.54	35.466	
1,800.00	1,734.20	1,699.80	1,658.02	9.58	7.67	-27.80	-667.10	566.25	522.42	505.87	16.56	31.553	
1,900.00	1,823.28	1,797.01	1,750.34	10.25	8.18	-26.86	-696.26	557.54	493.01	475.43	17.57	28.053	
2,000.00	1,912.36	1,883.65	1,832.75	10.94	8.65	-25.99	-722.04	550.38	464.11	445.53	18.58	24.974	
2,100.00	2,001.43	1,962.61	1,907.46	11.63	9.08	-25.14	-747.21	546.19	438.75	419.17	19.59	22.402	
2,200.00	2,090.51	2,057.98	1,997.57	12.34	9.62	-24.11	-778.26	542.89	415.37	394.73	20.63	20.129	
2,300.00	2,179.59	2,155.46	2,089.85	13.05	10.17	-23.06	-809.57	540.24	392.33	370.64	21.69	18.089	
2,400.00	2,268.66	2,255.18	2,184.62	13.76	10.74	-21.99	-840.51	537.61	368.71	345.97	22.74	16.211	
2,500.00	2,357.74	2,352.55	2,277.30	14.49	11.29	-20.92	-870.26	535.58	345.25	321.46	23.79	14.512	
2,600.00	2,446.82	2,453.09	2,372.85	15.21	11.85	-19.35	-901.28	531.59	320.90	296.08	24.82	12.928	
2,700.00	2,535.89	2,549.00	2,464.19	15.95	12.39	-17.69	-930.30	527.79	296.36	270.51	25.84	11.468	
2,800.00	2,624.97	2,643.65	2,554.37	16.68	12.93	-15.95	-958.91	525.04	272.71	245.86	26.86	10.155	
2,900.00	2,714.05	2,738.68	2,644.84	17.42	13.47	-13.96	-987.90	522.96	250.01	222.15	27.86	8.975	
3,000.00	2,803.12	2,837.06	2,738.43	18.16	14.03	-11.52	-1,018.20	521.15	228.10	199.26	28.84	7.909	
3,100.00	2,892.20	2,934.05	2,830.51	18.90	14.59	-8.02	-1,048.39	517.09	205.75	175.96	29.79	6.906	
3,200.00	2,981.28	3,029.02	2,920.42	19.65	15.13	-3.70	-1,078.72	513.17	185.08	154.34	30.74	6.021	
3,300.00	3,070.36	3,125.75	3,011.83	20.40	15.70	1.73	-1,110.13	509.38	166.32	134.63	31.69	5.248	
3,400.00	3,159.43	3,222.67	3,103.60	21.14	16.26	8.13	-1,141.13	506.28	149.11	116.39	32.71	4.558	
3,500.00	3,248.51	3,319.71	3,195.45	21.89	16.83	16.11	-1,172.26	502.94	134.29	100.41	33.88	3.963	
3,600.00	3,337.59	3,418.37	3,288.97	22.65	17.40	26.37	-1,203.38	498.58	122.24	86.86	35.38	3.455	
3,700.00	3,426.66	3,516.47	3,382.49	23.40	17.95	38.06	-1,232.80	495.06	113.10	75.82	37.28	3.034	
3,800.00	3,515.74	3,615.01	3,476.77	24.15	18.51	50.79	-1,261.37	492.81	107.97	68.42	39.54	2.730	
3,850.71	3,560.91	3,663.87	3,523.59	24.54	18.78	57.27	-1,275.29	492.08	107.13	66.40	40.74	2.630	CC
3,900.00	3,604.82	3,711.18	3,568.91	24.91	19.05	63.59	-1,288.88	491.24	107.93	66.04	41.88	2.577	ES, SF
4,000.00	3,693.89	3,806.30	3,659.92	25.66	19.58	75.86	-1,316.39	488.58	114.63	70.64	43.99	2.606	
4,100.00	3,782.97	3,904.45	3,754.09	26.42	20.13	87.24	-1,343.87	485.27	126.45	80.63	45.82	2.760	
4,200.00	3,872.05	3,997.45	3,842.93	27.18	20.66	95.57	-1,371.12	481.79	143.07	96.00	47.08	3.039	
4,300.00	3,961.12	4,091.90	3,932.09	27.94	21.21	101.14	-1,401.97	477.41	163.75	115.52	48.23	3.395	
4,400.00	4,050.20	4,188.12	4,022.03	28.69	21.80	104.76	-1,435.81	472.60	186.31	136.86	49.45	3.768	
4,500.00	4,139.28	4,285.39	4,112.31	29.45	22.40	107.12	-1,471.69	467.86	209.46	158.75	50.72	4.130	
4,600.00	4,228.35	4,384.06	4,203.92	30.21	23.01	109.03	-1,508.12	463.62	232.34	180.30	52.03	4.465	
4,700.00	4,317.43	4,481.58	4,294.81	30.97	23.61	110.79	-1,543.23	459.70	255.10	201.81	53.29	4.787	
4,800.00	4,406.51	4,579.93	4,386.78	31.73	24.20	112.45	-1,577.86	456.10	277.71	223.16	54.55	5.091	
4,900.00	4,495.59	4,677.49	4,478.46	32.50	24.79	114.09	-1,611.08	452.85	300.21	244.45	55.77	5.384	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 141-MWD+IFR1

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,774.39	4,569.78	33.26	25.37	115.63	-1,643.35	449.66	322.93	265.99	56.95	5.671	
5,100.00	4,673.74	4,872.50	4,662.59	34.02	25.94	117.17	-1,674.98	446.55	345.81	287.68	58.14	5.948	
5,200.00	4,762.82	4,971.68	4,756.82	34.78	26.52	118.74	-1,705.83	444.12	368.32	309.00	59.33	6.208	
5,300.00	4,851.89	5,066.83	4,847.74	35.54	27.06	120.32	-1,733.81	442.22	390.87	330.48	60.39	6.473	
5,400.00	4,940.97	5,161.55	4,938.58	36.31	27.59	121.88	-1,760.55	439.69	414.51	353.09	61.42	6.749	
5,500.00	5,030.05	5,260.19	5,033.04	37.07	28.15	123.28	-1,788.84	437.10	438.29	375.75	62.55	7.007	
5,600.00	5,119.12	5,360.39	5,128.93	37.83	28.71	124.52	-1,817.82	435.08	461.66	397.95	63.71	7.246	
5,700.00	5,208.20	5,459.05	5,223.45	38.60	29.27	125.69	-1,846.07	433.82	484.57	419.74	64.84	7.474	
5,800.00	5,297.28	5,558.54	5,319.37	39.36	29.81	127.02	-1,872.45	433.41	507.37	441.45	65.92	7.696	
5,900.00	5,386.35	5,653.01	5,410.36	40.13	30.33	128.15	-1,897.87	433.12	530.20	463.27	66.93	7.921	
6,000.00	5,475.43	5,753.87	5,507.32	40.89	30.89	129.17	-1,925.65	432.54	553.28	485.21	68.07	8.128	
6,100.00	5,564.51	5,840.03	5,589.85	41.66	31.38	129.86	-1,950.34	431.44	576.83	507.85	68.98	8.362	
6,200.00	5,653.58	5,925.81	5,671.84	42.42	31.86	130.40	-1,975.37	428.39	602.39	532.50	69.88	8.620	
6,300.00	5,742.66	6,025.28	5,767.23	43.19	32.42	131.06	-2,003.25	424.25	628.94	557.88	71.06	8.851	
6,400.00	5,831.74	6,127.17	5,864.06	43.95	33.01	131.42	-2,034.69	420.14	654.50	582.16	72.34	9.047	
6,500.00	5,920.82	6,227.26	5,959.65	44.72	33.58	131.91	-2,064.16	417.27	679.49	605.94	73.55	9.239	
6,600.00	6,009.89	6,334.19	6,062.18	45.48	34.18	132.53	-2,094.46	415.70	703.63	628.80	74.83	9.403	
6,700.00	6,098.97	6,432.64	6,155.61	46.25	34.75	132.81	-2,125.44	413.94	727.02	650.98	76.04	9.561	
6,800.00	6,188.05	6,531.58	6,249.06	47.01	35.34	132.96	-2,157.87	411.86	750.25	672.96	77.29	9.707	
6,900.00	6,277.12	6,631.87	6,343.65	47.78	35.93	133.09	-2,191.15	410.14	772.98	694.42	78.56	9.839	
7,000.00	6,366.20	6,727.15	6,433.92	48.55	36.49	133.29	-2,221.60	408.79	795.89	716.16	79.73	9.982	
7,100.00	6,455.28	8,093.96	7,234.29	49.31	41.25	-173.43	-2,437.83	1,185.10	795.48	755.92	39.56	20.108	
7,197.64	6,542.25	8,111.67	7,233.97	50.06	41.38	-171.17	-2,437.48	1,202.81	715.27	670.79	44.48	16.080	
7,200.00	6,544.35	8,112.10	7,233.96	50.08	41.39	-171.22	-2,437.47	1,203.23	713.38	668.76	44.61	15.990	
7,250.00	6,589.22	8,118.87	7,233.83	50.44	41.44	-173.25	-2,437.35	1,210.00	673.72	626.17	47.55	14.170	
7,300.00	6,634.48	8,121.38	7,233.78	50.77	41.46	-176.94	-2,437.31	1,212.52	635.18	584.41	50.76	12.513	
7,350.00	6,679.86	8,119.63	7,233.82	51.06	41.45	178.03	-2,437.34	1,210.76	598.27	544.01	54.25	11.028	
7,400.00	6,725.09	8,113.61	7,233.93	51.31	41.40	172.17	-2,437.44	1,204.74	563.52	505.54	57.99	9.718	
7,450.00	6,769.87	8,103.35	7,234.12	51.52	41.32	165.98	-2,437.63	1,194.49	531.48	469.58	61.90	8.586	
7,500.00	6,813.94	8,088.92	7,234.37	51.69	41.22	159.79	-2,437.94	1,180.07	502.62	436.74	65.88	7.629	
7,550.00	6,857.03	8,070.40	7,234.67	51.84	41.11	153.74	-2,438.39	1,161.55	477.39	407.59	69.80	6.839	
7,600.00	6,898.86	8,047.90	7,235.00	51.95	40.99	147.83	-2,439.02	1,139.07	456.10	382.63	73.47	6.208	
7,650.00	6,939.19	8,021.57	7,235.34	52.05	40.89	142.01	-2,439.89	1,112.74	438.91	362.21	76.70	5.722	
7,700.00	6,977.75	7,993.95	7,235.66	52.13	40.82	136.50	-2,440.88	1,085.15	425.86	346.44	79.42	5.362	
7,750.00	7,014.32	7,963.38	7,236.07	52.20	40.76	131.05	-2,442.01	1,054.60	416.87	335.40	81.47	5.117	
7,800.00	7,048.67	7,929.70	7,236.58	52.26	40.72	125.64	-2,443.26	1,020.95	411.55	328.75	82.80	4.971	
7,850.00	7,080.59	7,893.81	7,237.18	52.33	40.68	120.39	-2,444.63	985.09	409.35	325.89	83.46	4.904	
7,900.00	7,109.87	7,900.00	7,236.00	52.39	40.68	112.14	-2,448.57	910.59	409.22	325.89	83.33	4.911	
7,950.00	7,136.35	7,751.24	7,224.93	52.47	40.64	104.52	-2,455.42	844.05	407.00	325.48	81.52	4.992	
8,000.00	7,159.85	7,705.78	7,211.24	52.55	40.63	98.95	-2,460.81	801.07	404.64	324.30	80.34	5.037	
8,046.96	7,179.08	7,671.00	7,197.06	52.64	40.61	94.45	-2,464.68	769.58	403.79	324.79	79.00	5.111	
8,050.00	7,180.23	7,671.00	7,197.06	52.64	40.61	94.40	-2,464.68	769.58	403.80	324.79	79.01	5.111	
8,100.00	7,197.37	7,648.28	7,186.15	52.75	40.60	91.10	-2,466.71	749.75	405.39	327.29	78.10	5.190	
8,150.00	7,211.16	7,625.67	7,174.34	52.88	40.57	87.84	-2,467.97	730.51	409.73	332.37	77.35	5.297	
8,200.00	7,221.51	7,602.81	7,161.83	53.03	40.54	84.65	-2,468.67	711.40	416.31	339.43	76.88	5.415	
8,250.00	7,228.37	7,579.83	7,149.03	53.20	40.51	81.65	-2,468.65	692.32	424.81	348.03	76.78	5.533	
8,300.00	7,231.68	7,555.90	7,135.51	53.40	40.48	78.82	-2,467.82	672.59	434.77	357.76	77.01	5.646	
8,317.45	7,232.00	7,545.00	7,129.28	53.47	40.46	77.71	-2,467.17	663.66	438.51	361.57	76.95	5.699	
8,400.00	7,232.48	7,513.09	7,110.39	53.86	40.38	75.35	-2,464.20	638.13	460.95	382.33	78.62	5.863	
8,500.00	7,233.06	7,476.12	7,087.02	54.44	40.29	72.61	-2,458.71	610.03	499.67	418.86	80.81	6.183	
8,600.00	7,233.64	7,452.00	7,070.98	55.14	40.24	70.85	-2,453.95	592.65	549.46	465.79	83.67	6.567	
8,700.00	7,234.22	7,408.42	7,040.36	55.99	40.08	67.75	-2,443.92	563.35	607.48	522.79	84.70	7.173	

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

Offset Design Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 141-MWD+IFR1

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	7,379.54	7,018.87	57.00	39.98	65.75	-2,436.60	545.49	672.59	586.24	86.35	7.789	
8,900.00	7,235.39	7,358.00	7,002.28	58.18	39.91	64.29	-2,430.83	533.03	743.35	655.37	87.98	8.449	
9,000.00	7,235.97	7,327.65	6,978.36	59.53	39.78	62.33	-2,422.16	516.49	818.40	729.56	88.85	9.211	
9,100.00	7,236.55	7,303.92	6,959.38	61.04	39.68	60.89	-2,414.91	504.23	896.89	807.13	89.76	9.992	
9,200.00	7,237.13	7,263.00	6,926.12	62.69	39.50	58.60	-2,401.49	484.53	978.60	888.68	89.92	10.883	
9,300.00	7,237.71	7,263.00	6,926.12	64.47	39.50	58.60	-2,401.49	484.53	1,061.69	970.50	91.19	11.643	
9,400.00	7,238.29	7,263.00	6,926.12	66.36	39.50	58.60	-2,401.49	484.53	1,147.48	1,055.34	92.14	12.453	
9,500.00	7,238.87	7,233.23	6,901.42	68.34	39.35	57.06	-2,391.15	471.55	1,234.31	1,142.01	92.30	13.373	
9,600.00	7,239.45	7,220.57	6,890.74	70.41	39.29	56.44	-2,386.66	466.45	1,322.86	1,230.14	92.73	14.266	
9,700.00	7,240.03	7,209.10	6,880.97	72.55	39.23	55.88	-2,382.54	462.05	1,412.61	1,319.53	93.09	15.175	
9,800.00	7,240.61	7,168.00	6,845.42	74.76	39.02	54.00	-2,367.45	448.01	1,504.49	1,411.52	92.98	16.182	
9,900.00	7,241.20	7,168.00	6,845.42	77.02	39.02	54.00	-2,367.45	448.01	1,595.56	1,502.16	93.40	17.083	
10,000.00	7,241.78	7,168.00	6,845.42	79.33	39.02	54.00	-2,367.45	448.01	1,687.63	1,593.90	93.74	18.003	
10,100.00	7,242.36	7,168.00	6,845.42	81.68	39.02	54.00	-2,367.45	448.01	1,780.57	1,686.55	94.01	18.940	
10,200.00	7,242.94	7,168.00	6,845.42	84.07	39.02	54.00	-2,367.45	448.01	1,874.23	1,779.99	94.23	19.889	
10,300.00	7,243.52	7,168.00	6,845.42	86.49	39.02	54.00	-2,367.45	448.01	1,968.51	1,874.10	94.41	20.850	
10,400.00	7,244.10	7,168.00	6,845.42	88.95	39.02	54.00	-2,367.45	448.01	2,063.33	1,968.77	94.56	21.821	
10,500.00	7,244.68	7,168.00	6,845.42	91.43	39.02	54.00	-2,367.45	448.01	2,158.62	2,063.94	94.68	22.799	
10,600.00	7,245.26	7,133.90	6,815.34	93.93	38.83	52.55	-2,354.72	438.25	2,253.30	2,158.68	94.62	23.814	
10,700.00	7,245.84	7,127.52	6,809.66	96.46	38.80	52.28	-2,352.34	436.59	2,348.95	2,254.26	94.69	24.806	
10,800.00	7,246.42	7,121.54	6,804.31	99.01	38.76	52.04	-2,350.10	435.08	2,444.89	2,350.13	94.76	25.801	
10,900.00	7,247.01	7,115.91	6,799.28	101.58	38.73	51.82	-2,348.00	433.70	2,541.08	2,446.26	94.82	26.799	
11,000.00	7,247.59	7,110.62	6,794.53	104.16	38.70	51.61	-2,346.03	432.45	2,637.51	2,542.64	94.87	27.801	
11,100.00	7,248.17	7,074.00	6,761.44	106.76	38.50	50.21	-2,332.38	424.76	2,734.99	2,640.17	94.82	28.843	
11,200.00	7,248.75	7,074.00	6,761.44	109.37	38.50	50.21	-2,332.38	424.76	2,831.59	2,736.70	94.89	29.840	
11,300.00	7,249.33	7,074.00	6,761.44	112.00	38.50	50.21	-2,332.38	424.76	2,928.42	2,833.47	94.95	30.842	
11,400.00	7,249.91	7,074.00	6,761.44	114.64	38.50	50.21	-2,332.38	424.76	3,025.46	2,930.45	95.00	31.847	
11,500.00	7,250.49	7,074.00	6,761.44	117.29	38.50	50.21	-2,332.38	424.76	3,122.68	3,027.63	95.05	32.854	
11,600.00	7,251.07	7,074.00	6,761.44	119.95	38.50	50.21	-2,332.38	424.76	3,220.07	3,124.98	95.09	33.864	
11,700.00	7,251.65	7,074.00	6,761.44	122.62	38.50	50.21	-2,332.38	424.76	3,317.62	3,222.49	95.12	34.877	
11,800.00	7,252.23	7,074.00	6,761.44	125.30	38.50	50.21	-2,332.38	424.76	3,415.31	3,320.15	95.16	35.891	
11,900.00	7,252.82	7,074.00	6,761.44	127.98	38.50	50.21	-2,332.38	424.76	3,513.13	3,417.94	95.19	36.907	
12,000.00	7,253.40	7,074.00	6,761.44	130.68	38.50	50.21	-2,332.38	424.76	3,611.06	3,515.85	95.22	37.925	
12,100.00	7,253.98	7,074.00	6,761.44	133.38	38.50	50.21	-2,332.38	424.76	3,709.11	3,613.87	95.24	38.944	
12,200.00	7,254.56	7,074.00	6,761.44	136.09	38.50	50.21	-2,332.38	424.76	3,807.26	3,712.00	95.27	39.964	
12,300.00	7,255.14	7,074.00	6,761.44	138.81	38.50	50.21	-2,332.38	424.76	3,905.51	3,810.22	95.29	40.985	
12,400.00	7,255.72	7,074.00	6,761.44	141.53	38.50	50.21	-2,332.38	424.76	4,003.84	3,908.53	95.31	42.007	
12,500.00	7,256.30	7,074.00	6,761.44	144.26	38.50	50.21	-2,332.38	424.76	4,102.25	4,006.91	95.34	43.030	
12,600.00	7,256.88	7,074.00	6,761.44	146.99	38.50	50.21	-2,332.38	424.76	4,200.74	4,105.38	95.36	44.053	
12,700.00	7,257.46	7,074.00	6,761.44	149.73	38.50	50.21	-2,332.38	424.76	4,299.29	4,203.92	95.38	45.076	
12,800.00	7,258.04	7,074.00	6,761.44	152.47	38.50	50.21	-2,332.38	424.76	4,397.92	4,302.52	95.40	46.100	
12,900.00	7,258.63	7,074.00	6,761.44	155.22	38.50	50.21	-2,332.38	424.76	4,496.60	4,401.18	95.42	47.124	
13,000.00	7,259.21	7,074.00	6,761.44	157.97	38.50	50.21	-2,332.38	424.76	4,595.34	4,499.90	95.44	48.149	
13,100.00	7,259.79	7,074.00	6,761.44	160.72	38.50	50.21	-2,332.38	424.76	4,694.13	4,598.67	95.46	49.173	
13,200.00	7,260.37	7,074.00	6,761.44	163.48	38.50	50.21	-2,332.38	424.76	4,792.97	4,697.49	95.48	50.197	
13,300.00	7,260.95	7,034.73	6,725.44	166.24	38.27	48.80	-2,318.05	418.33	4,890.84	4,795.33	95.51	51.209	
13,400.00	7,261.53	7,032.65	6,723.53	169.01	38.25	48.73	-2,317.31	418.04	4,989.67	4,894.14	95.53	52.230	
13,480.77	7,262.00	7,031.02	6,722.02	171.24	38.24	48.67	-2,316.73	417.82	5,069.52	4,973.97	95.55	53.055	

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

Offset Design Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 226-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	123.57	-337.71	508.93	610.88				
100.00	100.00	86.16	86.16	3.28	3.29	123.59	-338.03	508.95	610.99	604.42	6.57	92.993	
200.00	200.00	182.96	182.95	3.34	3.30	123.68	-339.18	509.04	611.72	605.07	6.64	92.097	
300.00	300.00	285.48	285.46	3.44	3.37	123.79	-340.72	509.22	612.71	605.90	6.81	89.974	
400.00	399.98	389.07	389.05	3.60	3.49	-31.47	-340.51	509.60	611.41	604.32	7.08	86.297	
500.00	499.84	491.85	491.83	3.79	3.66	-31.83	-340.01	509.65	606.72	599.27	7.45	81.468	
600.00	599.45	578.19	578.17	4.02	3.84	-32.31	-339.89	510.13	599.75	591.89	7.86	76.339	
700.00	698.70	662.44	662.35	4.29	4.04	-33.12	-339.59	513.32	592.47	584.14	8.33	71.117	
800.00	797.47	746.39	746.07	4.59	4.27	-34.29	-338.74	519.33	584.98	576.12	8.86	65.990	
900.00	895.62	832.66	831.89	4.93	4.52	-35.84	-337.63	528.07	577.40	567.94	9.46	61.065	
1,000.00	993.06	928.44	927.00	5.31	4.82	-37.86	-336.54	539.25	568.99	558.87	10.12	56.245	
1,100.00	1,089.64	1,041.10	1,039.15	5.72	5.19	-40.35	-336.89	549.98	557.36	546.49	10.87	51.284	
1,200.00	1,185.27	1,161.50	1,159.38	6.16	5.61	-43.20	-338.28	555.91	540.10	528.40	11.69	46.193	
1,300.00	1,279.82	1,272.75	1,270.62	6.64	6.00	-46.36	-338.63	556.92	517.27	504.76	12.51	41.341	
1,400.00	1,373.17	1,367.89	1,365.75	7.15	6.33	-49.79	-337.99	556.59	491.87	478.55	13.33	36.907	
1,500.00	1,465.21	1,461.06	1,458.92	7.70	6.67	-53.79	-337.55	555.82	465.53	451.34	14.19	32.816	
1,600.00	1,555.84	1,549.38	1,547.24	8.30	6.99	-58.30	-337.37	555.09	439.45	424.36	15.09	29.117	
1,651.50	1,601.92	1,592.84	1,590.70	8.62	7.16	-60.82	-337.28	555.00	426.70	411.11	15.58	27.382	
1,700.00	1,645.13	1,634.15	1,632.01	8.93	7.31	-63.15	-337.19	555.14	415.56	399.50	16.06	25.877	
1,800.00	1,734.20	1,724.96	1,722.82	9.58	7.66	-68.65	-336.72	555.42	395.47	378.37	17.09	23.136	
1,900.00	1,823.28	1,812.55	1,810.40	10.25	8.01	-74.38	-336.12	555.63	379.81	361.65	18.16	20.914	
2,000.00	1,912.36	1,898.36	1,896.21	10.94	8.35	-80.38	-334.95	556.12	369.66	350.41	19.24	19.211	
2,100.00	2,001.43	1,984.87	1,982.62	11.63	8.69	-86.99	-330.93	556.50	366.13	345.82	20.31	18.026	
2,104.24	2,005.21	1,988.59	1,986.33	11.66	8.71	-87.28	-330.70	556.49	366.13	345.77	20.36	17.987	CC, ES
2,200.00	2,090.51	2,069.93	2,067.41	12.34	9.03	-93.89	-324.30	555.64	369.42	348.10	21.32	17.327	
2,300.00	2,179.59	2,152.74	2,149.70	13.05	9.37	-100.79	-315.27	553.66	380.60	358.37	22.23	17.121	SF
2,400.00	2,268.66	2,232.69	2,228.93	13.76	9.69	-107.34	-305.05	550.48	399.32	376.31	23.01	17.354	
2,500.00	2,357.74	2,303.00	2,298.45	14.49	9.98	-112.73	-294.81	548.46	426.60	403.00	23.60	18.075	
2,600.00	2,446.82	2,374.33	2,368.79	15.21	10.27	-117.73	-283.00	547.31	461.52	437.40	24.12	19.133	
2,700.00	2,535.89	2,441.34	2,434.60	15.95	10.55	-122.00	-270.39	546.63	502.87	478.33	24.54	20.492	
2,800.00	2,624.97	2,506.29	2,498.08	16.68	10.82	-125.67	-256.66	546.90	549.94	525.03	24.91	22.076	
2,900.00	2,714.05	2,571.92	2,561.89	17.42	11.09	-129.00	-241.34	547.30	601.49	576.19	25.30	23.776	
3,000.00	2,803.12	2,633.27	2,621.21	18.16	11.35	-131.80	-225.70	547.66	656.81	631.18	25.63	25.630	
3,100.00	2,892.20	2,695.79	2,681.29	18.90	11.62	-134.32	-208.44	548.52	715.52	689.52	26.00	27.519	
3,200.00	2,981.28	2,773.05	2,755.43	19.65	11.96	-137.08	-186.72	549.11	775.87	749.21	26.66	29.103	
3,300.00	3,070.36	2,836.40	2,816.13	20.40	12.24	-139.14	-168.55	548.90	837.59	810.50	27.09	30.914	
3,400.00	3,159.43	2,903.06	2,879.73	21.14	12.54	-141.12	-148.63	548.03	901.05	873.44	27.61	32.640	
3,500.00	3,248.51	2,974.08	2,947.41	21.89	12.86	-143.05	-127.20	546.26	965.43	937.22	28.21	34.226	
3,600.00	3,337.59	3,041.40	3,011.51	22.65	13.17	-144.68	-106.69	544.65	1,030.69	1,001.92	28.77	35.829	
3,700.00	3,426.66	3,118.03	3,084.46	23.40	13.52	-146.33	-83.29	542.86	1,096.54	1,067.05	29.50	37.174	
3,800.00	3,515.74	3,190.48	3,153.51	24.15	13.86	-147.77	-61.48	540.47	1,162.51	1,132.34	30.17	38.535	
3,900.00	3,604.82	3,263.96	3,223.52	24.91	14.21	-148.99	-39.19	539.58	1,229.02	1,198.15	30.87	39.808	
4,000.00	3,693.89	3,357.86	3,313.30	25.66	14.66	-150.38	-11.73	538.28	1,294.98	1,263.07	31.91	40.584	
4,100.00	3,782.97	3,446.14	3,398.02	26.42	15.08	-151.46	13.08	538.73	1,360.26	1,327.40	32.86	41.397	
4,200.00	3,872.05	3,546.67	3,494.90	27.18	15.56	-152.54	39.88	539.52	1,424.61	1,390.62	33.99	41.916	
4,300.00	3,961.12	3,599.00	3,545.31	27.94	15.81	-153.09	53.95	539.19	1,489.24	1,454.84	34.40	43.288	
4,400.00	4,050.20	3,695.65	3,638.41	28.69	16.27	-154.09	79.82	537.27	1,554.21	1,518.74	35.47	43.823	
4,500.00	4,139.28	3,755.52	3,696.24	29.45	16.56	-154.69	95.20	535.46	1,618.56	1,582.56	36.00	44.961	
4,600.00	4,228.35	3,808.00	3,746.68	30.21	16.81	-155.18	109.59	533.90	1,684.26	1,647.83	36.43	46.230	
4,700.00	4,317.43	3,854.14	3,790.85	30.97	17.04	-155.57	122.92	532.92	1,751.14	1,714.36	36.78	47.609	
4,800.00	4,406.51	3,906.22	3,840.50	31.73	17.30	-155.95	138.61	532.73	1,818.98	1,781.76	37.22	48.865	
4,900.00	4,495.59	3,959.96	3,891.55	32.50	17.57	-156.29	155.40	533.11	1,887.65	1,849.95	37.70	50.068	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 226-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,028.44	3,956.40	33.26	17.91	-156.68	177.39	533.99	1,956.98	1,918.58	38.41	50.954	
5,100.00	4,673.74	4,154.55	4,076.32	34.02	18.54	-157.33	216.34	536.12	2,025.54	1,985.58	39.96	50.694	
5,200.00	4,762.82	4,270.14	4,187.24	34.78	19.12	-157.92	248.84	536.81	2,091.95	2,050.64	41.32	50.633	
5,300.00	4,851.89	4,374.37	4,287.74	35.54	19.63	-158.45	276.47	536.50	2,157.33	2,114.83	42.50	50.765	
5,400.00	4,940.97	4,421.71	4,333.40	36.31	19.87	-158.69	288.95	535.94	2,222.73	2,179.82	42.91	51.800	
5,500.00	5,030.05	4,470.40	4,380.21	37.07	20.11	-158.93	302.32	535.07	2,289.09	2,245.75	43.34	52.815	
5,600.00	5,119.12	4,563.26	4,469.48	37.83	20.57	-159.41	327.75	532.36	2,355.58	2,311.21	44.37	53.088	
5,700.00	5,208.20	4,611.89	4,516.22	38.60	20.82	-159.65	341.09	530.69	2,422.23	2,377.42	44.81	54.058	
5,800.00	5,297.28	4,668.39	4,570.34	39.36	21.10	-159.91	357.21	529.08	2,489.66	2,444.31	45.35	54.894	
5,900.00	5,386.35	5,900.00	4,653.28	40.13	27.35	-160.29	381.45	526.48	2,556.77	2,504.94	51.83	49.333	
6,000.00	5,475.43	4,803.52	4,699.96	40.89	21.79	-160.50	395.19	524.98	2,624.21	2,577.46	46.75	56.129	
6,100.00	5,564.51	4,849.11	4,743.47	41.66	22.02	-160.68	408.75	523.76	2,692.64	2,645.48	47.16	57.095	
6,200.00	5,653.58	4,975.27	4,864.12	42.42	22.66	-161.08	445.57	522.75	2,760.35	2,711.69	48.66	56.725	
6,300.00	5,742.66	5,055.25	4,940.82	43.19	23.07	-161.33	468.24	521.78	2,827.64	2,778.10	49.54	57.082	
6,400.00	5,831.74	5,140.61	5,022.76	43.95	23.51	-161.60	492.07	520.31	2,894.70	2,844.22	50.48	57.345	
6,500.00	5,920.82	5,230.26	5,108.97	44.72	23.96	-161.87	516.63	518.43	2,961.44	2,909.96	51.47	57.532	
6,600.00	6,009.89	5,311.25	5,186.89	45.48	24.37	-162.10	538.69	517.42	3,027.98	2,975.62	52.36	57.832	
6,700.00	6,098.97	5,442.05	5,313.38	46.25	25.03	-162.43	571.96	516.26	3,092.65	3,038.79	53.87	57.415	
6,800.00	6,188.05	5,496.00	5,365.49	47.01	25.30	-162.58	585.87	515.08	3,158.18	3,103.77	54.41	58.049	
6,900.00	6,277.12	5,537.32	5,405.31	47.78	25.51	-162.69	596.83	513.90	3,224.33	3,169.54	54.79	58.850	
7,000.00	6,366.20	5,599.00	5,464.70	48.55	25.82	-162.86	613.37	511.98	3,290.89	3,235.46	55.43	59.371	
7,100.00	6,455.28	5,667.41	5,530.53	49.31	26.17	-163.05	631.80	509.44	3,357.66	3,301.51	56.15	59.794	
7,197.64	6,542.25	5,768.80	5,628.18	50.06	26.69	-163.33	658.77	505.35	3,422.71	3,365.42	57.29	59.739	
7,200.00	6,544.35	5,771.49	5,630.78	50.08	26.70	-163.91	659.48	505.25	3,424.27	3,366.95	57.33	59.734	
7,250.00	6,589.22	5,792.57	5,651.10	50.44	26.81	-176.54	665.03	504.46	3,457.26	3,399.73	57.52	60.105	
7,300.00	6,634.48	5,812.06	5,669.86	50.77	26.91	170.23	670.28	503.75	3,489.91	3,432.22	57.69	60.498	
7,350.00	6,679.86	5,831.49	5,688.53	51.06	27.01	156.93	675.61	503.07	3,522.05	3,464.21	57.84	60.889	
7,400.00	6,725.09	5,868.00	5,723.53	51.31	27.19	144.31	685.91	501.85	3,553.58	3,495.36	58.21	61.046	
7,450.00	6,769.87	5,870.63	5,726.05	51.52	27.21	132.58	686.67	501.76	3,584.07	3,525.92	58.15	61.637	
7,500.00	6,813.94	5,899.52	5,753.70	51.69	27.36	122.38	695.00	500.84	3,613.56	3,555.14	58.42	61.857	
7,550.00	6,857.03	5,927.72	5,780.67	51.84	27.50	113.59	703.21	499.97	3,641.79	3,583.11	58.68	62.057	
7,600.00	6,898.86	5,955.07	5,806.80	51.95	27.65	106.13	711.22	499.16	3,668.63	3,609.68	58.95	62.233	
7,650.00	6,939.19	5,990.72	5,840.86	52.05	27.83	99.93	721.72	498.15	3,693.94	3,634.61	59.34	62.253	
7,700.00	6,977.75	6,028.08	5,876.55	52.13	28.03	94.78	732.69	497.18	3,717.56	3,657.79	59.77	62.200	
7,750.00	7,014.32	6,157.60	6,000.74	52.20	28.70	91.66	769.40	495.22	3,739.23	3,677.85	61.38	60.916	
7,800.00	7,048.67	6,195.30	6,037.05	52.26	28.89	88.15	779.52	494.84	3,758.52	3,696.64	61.88	60.742	
7,850.00	7,080.59	6,231.29	6,071.75	52.33	29.07	85.23	789.08	494.19	3,775.96	3,713.57	62.39	60.520	
7,900.00	7,109.87	7,900.00	6,087.66	52.39	37.60	82.59	793.44	493.86	3,791.57	3,720.79	70.78	53.566	
7,950.00	7,136.35	6,242.00	6,082.07	52.47	29.13	80.10	791.90	493.94	3,805.48	3,742.65	62.83	60.565	
8,000.00	7,159.85	6,270.13	6,109.17	52.55	29.27	78.48	799.40	493.24	3,817.40	3,753.97	63.43	60.183	
8,050.00	7,180.23	6,278.44	6,117.17	52.64	29.32	76.96	801.67	493.02	3,827.56	3,763.71	63.85	59.942	
8,100.00	7,197.37	6,285.54	6,123.99	52.75	29.35	75.75	803.62	492.83	3,835.85	3,771.51	64.34	59.620	
8,150.00	7,211.16	6,291.38	6,129.60	52.88	29.38	74.83	805.23	492.67	3,842.23	3,777.35	64.88	59.217	
8,200.00	7,221.51	6,295.94	6,133.98	53.03	29.41	74.18	806.50	492.55	3,846.69	3,781.20	65.49	58.737	
8,250.00	7,228.37	6,299.19	6,137.10	53.20	29.42	73.80	807.41	492.46	3,849.22	3,783.07	66.15	58.187	
8,300.00	7,231.68	6,301.11	6,138.94	53.40	29.43	73.66	807.95	492.40	3,849.81	3,782.95	66.87	57.574	
8,317.45	7,232.00	6,301.47	6,139.28	53.47	29.43	73.67	808.05	492.39	3,849.57	3,782.44	67.13	57.348	
8,398.33	7,232.47	6,302.74	6,140.50	53.85	29.44	73.69	808.40	492.36	3,848.72	3,780.31	68.40	56.265	
8,400.00	7,232.48	6,302.76	6,140.53	53.86	29.44	73.69	808.41	492.36	3,848.72	3,780.29	68.43	56.243	
8,500.00	7,233.06	6,304.34	6,142.04	54.44	29.45	73.71	808.85	492.31	3,850.06	3,779.90	70.16	54.876	
8,600.00	7,233.64	6,305.93	6,143.56	55.14	29.46	73.74	809.30	492.27	3,853.99	3,781.97	72.03	53.508	
8,700.00	7,234.22	6,307.52	6,145.09	55.99	29.47	73.76	809.75	492.22	3,860.51	3,786.51	74.01	52.165	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 226-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	6,309.13	6,146.63	57.00	29.47	73.78	810.20	492.18	3,869.61	3,793.53	76.08	50.864	
8,900.00	7,235.39	6,310.75	6,148.18	58.18	29.48	73.81	810.66	492.13	3,881.26	3,803.04	78.22	49.622	
9,000.00	7,235.97	6,312.37	6,149.74	59.53	29.49	73.83	811.12	492.08	3,895.44	3,815.03	80.41	48.446	
9,100.00	7,236.55	6,314.01	6,151.31	61.04	29.50	73.86	811.59	492.04	3,912.12	3,829.49	82.63	47.343	
9,200.00	7,237.13	6,335.00	6,171.41	62.69	29.61	74.17	817.61	491.42	3,931.38	3,846.27	85.11	46.192	
9,300.00	7,237.71	6,335.00	6,171.41	64.47	29.61	74.17	817.61	491.42	3,952.95	3,865.61	87.34	45.259	
9,400.00	7,238.29	6,335.00	6,171.41	66.36	29.61	74.17	817.61	491.42	3,976.93	3,887.36	89.57	44.403	
9,500.00	7,238.87	6,335.00	6,171.41	68.34	29.61	74.17	817.61	491.42	4,003.26	3,911.48	91.78	43.620	
9,600.00	7,239.45	6,335.00	6,171.41	70.41	29.61	74.17	817.61	491.42	4,031.89	3,937.93	93.96	42.909	
9,700.00	7,240.03	6,335.00	6,171.41	72.55	29.61	74.17	817.61	491.42	4,062.79	3,966.67	96.12	42.268	
9,800.00	7,240.61	6,335.00	6,171.41	74.76	29.61	74.17	817.61	491.42	4,095.90	3,997.66	98.24	41.693	
9,900.00	7,241.20	6,335.00	6,171.41	77.02	29.61	74.17	817.61	491.42	4,131.16	4,030.84	100.32	41.181	
10,000.00	7,241.78	6,335.00	6,171.41	79.33	29.61	74.17	817.61	491.42	4,168.52	4,066.17	102.35	40.729	
10,100.00	7,242.36	6,335.00	6,171.41	81.68	29.61	74.17	817.61	491.42	4,207.93	4,103.60	104.33	40.333	
10,200.00	7,242.94	6,335.00	6,171.41	84.07	29.61	74.17	817.61	491.42	4,249.33	4,143.07	106.26	39.990	
10,300.00	7,243.52	6,335.00	6,171.41	86.49	29.61	74.17	817.61	491.42	4,292.66	4,184.52	108.14	39.697	
10,400.00	7,244.10	6,337.21	6,173.52	88.95	29.62	74.20	818.26	491.35	4,337.86	4,227.87	109.98	39.441	
10,500.00	7,244.68	6,340.43	6,176.60	91.43	29.64	74.25	819.19	491.25	4,384.87	4,273.09	111.78	39.226	
10,600.00	7,245.26	6,343.66	6,179.69	93.93	29.65	74.30	820.13	491.15	4,433.64	4,320.11	113.53	39.053	
10,700.00	7,245.84	6,346.93	6,182.81	96.46	29.67	74.35	821.08	491.05	4,484.10	4,368.89	115.22	38.919	
10,800.00	7,246.42	6,350.22	6,185.96	99.01	29.69	74.39	822.04	490.95	4,536.21	4,419.36	116.85	38.822	
10,900.00	7,247.01	6,353.54	6,189.13	101.58	29.71	74.44	823.01	490.85	4,589.90	4,471.48	118.42	38.760	
11,000.00	7,247.59	6,356.88	6,192.33	104.16	29.72	74.49	823.98	490.75	4,645.12	4,525.18	119.94	38.730	
11,100.00	7,248.17	6,360.25	6,195.55	106.76	29.74	74.54	824.96	490.64	4,701.81	4,580.41	121.40	38.730	
11,200.00	7,248.75	6,363.65	6,198.80	109.37	29.76	74.59	825.96	490.53	4,759.93	4,637.12	122.81	38.759	
11,300.00	7,249.33	6,367.08	6,202.08	112.00	29.78	74.64	826.96	490.43	4,819.42	4,695.26	124.16	38.815	
11,400.00	7,249.91	6,370.53	6,205.38	114.64	29.79	74.70	827.97	490.32	4,880.23	4,754.76	125.47	38.896	
11,500.00	7,250.49	6,374.02	6,208.71	117.29	29.81	74.75	828.99	490.20	4,942.32	4,815.59	126.72	39.001	
11,600.00	7,251.07	6,377.53	6,212.07	119.95	29.83	74.80	830.01	490.09	5,005.63	4,877.70	127.93	39.128	
11,700.00	7,251.65	6,381.07	6,215.45	122.62	29.85	74.85	831.05	489.98	5,070.12	4,941.03	129.09	39.276	
11,800.00	7,252.23	6,384.64	6,218.87	125.30	29.87	74.91	832.10	489.86	5,135.74	5,005.54	130.20	39.444	
11,900.00	7,252.82	6,388.25	6,222.31	127.98	29.89	74.96	833.16	489.74	5,202.46	5,071.18	131.27	39.630	
12,000.00	7,253.40	6,391.88	6,225.78	130.68	29.91	75.01	834.22	489.63	5,270.22	5,137.92	132.30	39.834	
12,100.00	7,253.98	6,395.54	6,229.28	133.38	29.93	75.07	835.30	489.51	5,339.00	5,205.71	133.29	40.055	
12,200.00	7,254.56	6,399.24	6,232.81	136.09	29.94	75.12	836.38	489.38	5,408.75	5,274.50	134.24	40.291	
12,300.00	7,255.14	6,402.97	6,236.37	138.81	29.96	75.18	837.48	489.26	5,479.43	5,344.28	135.15	40.543	
12,400.00	7,255.72	6,406.72	6,239.96	141.53	29.98	75.23	838.59	489.13	5,551.01	5,414.98	136.03	40.808	
12,500.00	7,256.30	6,410.52	6,243.58	144.26	30.00	75.29	839.70	489.01	5,623.45	5,486.58	136.87	41.086	
12,600.00	7,256.88	6,414.34	6,247.23	146.99	30.02	75.35	840.83	488.88	5,696.73	5,559.05	137.68	41.377	
12,700.00	7,257.46	6,418.20	6,250.92	149.73	30.04	75.40	841.97	488.75	5,770.81	5,632.35	138.46	41.679	
12,800.00	7,258.04	6,422.09	6,254.63	152.47	30.06	75.46	843.12	488.61	5,845.66	5,706.45	139.21	41.993	
12,900.00	7,258.63	6,426.02	6,258.38	155.22	30.08	75.52	844.28	488.48	5,921.24	5,781.32	139.92	42.318	
13,000.00	7,259.21	6,429.98	6,262.16	157.97	30.11	75.58	845.45	488.34	5,997.54	5,856.92	140.62	42.652	
13,100.00	7,259.79	6,433.97	6,265.98	160.72	30.13	75.64	846.63	488.21	6,074.52	5,933.24	141.28	42.996	
13,200.00	7,260.37	6,428.00	6,260.27	163.48	30.10	75.55	844.86	488.41	6,152.18	6,010.38	141.80	43.387	
13,300.00	7,260.95	6,428.00	6,260.27	166.24	30.10	75.55	844.86	488.41	6,230.46	6,088.10	142.37	43.764	
13,400.00	7,261.53	6,428.00	6,260.27	169.01	30.10	75.55	844.86	488.41	6,309.36	6,166.45	142.91	44.150	
13,480.77	7,262.00	6,428.00	6,260.27	171.24	30.10	75.55	844.86	488.41	6,373.52	6,230.19	143.33	44.467	

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

Offset Design Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 229-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	121.97	-317.67	508.93	600.03				
100.00	100.00	93.86	93.85	3.28	3.29	121.91	-316.87	508.98	599.57	593.00	6.57	91.239	
200.00	200.00	199.25	199.21	3.34	3.31	121.67	-314.09	509.14	598.31	591.67	6.65	90.004	
300.00	300.00	295.82	295.71	3.44	3.38	121.36	-310.50	509.50	596.69	589.87	6.82	87.481	
400.00	399.98	388.29	388.16	3.60	3.49	-34.04	-308.73	510.02	594.74	587.65	7.09	83.933	
500.00	499.84	479.64	479.50	3.79	3.64	-34.27	-309.77	510.29	591.24	583.81	7.43	79.615	
600.00	599.45	576.62	576.46	4.02	3.83	-34.71	-311.48	511.50	586.02	578.16	7.85	74.608	
700.00	698.70	669.41	669.20	4.29	4.06	-35.59	-311.27	514.27	578.50	570.16	8.35	69.299	
800.00	797.47	758.32	757.94	4.59	4.30	-36.92	-309.49	519.37	569.89	561.00	8.89	64.071	
900.00	895.62	846.01	845.22	4.93	4.56	-38.75	-306.02	527.08	560.72	551.23	9.49	59.073	
1,000.00	993.06	939.51	938.04	5.31	4.86	-41.15	-301.39	537.26	551.05	540.90	10.15	54.281	
1,100.00	1,089.64	1,039.30	1,037.23	5.72	5.19	-43.95	-297.37	547.49	539.63	528.76	10.87	49.625	
1,200.00	1,185.27	1,147.88	1,145.37	6.16	5.57	-47.30	-293.91	556.57	525.57	513.90	11.67	45.035	
1,300.00	1,279.82	1,255.81	1,253.10	6.64	5.96	-51.04	-291.05	562.33	507.97	495.46	12.51	40.611	
1,400.00	1,373.17	1,370.20	1,367.45	7.15	6.38	-55.54	-288.96	563.86	486.46	473.06	13.39	36.316	
1,500.00	1,465.21	1,471.17	1,468.39	7.70	6.74	-60.13	-288.46	561.62	462.06	447.78	14.28	32.362	
1,600.00	1,555.84	1,560.22	1,557.39	8.30	7.06	-64.85	-289.05	558.66	437.64	422.45	15.19	28.812	
1,651.50	1,601.92	1,601.95	1,599.11	8.62	7.21	-67.35	-289.32	557.65	426.11	410.44	15.68	27.180	
1,700.00	1,645.13	1,641.97	1,639.12	8.93	7.36	-69.68	-289.47	557.06	416.41	400.26	16.15	25.782	
1,800.00	1,734.20	1,728.05	1,725.20	9.58	7.68	-74.98	-289.56	556.36	400.20	383.03	17.17	23.310	
1,900.00	1,823.28	1,815.16	1,812.30	10.25	8.02	-80.71	-289.10	556.03	389.21	370.99	18.22	21.365	
2,000.00	1,912.36	1,902.34	1,899.47	10.94	8.36	-86.76	-287.59	555.74	383.88	364.61	19.27	19.920	
2,036.28	1,944.67	1,933.55	1,930.67	11.19	8.49	-89.01	-286.56	555.52	383.46	363.81	19.65	19.516	CC, ES
2,100.00	2,001.43	1,986.70	1,983.76	11.63	8.70	-92.90	-284.33	555.16	384.90	364.61	20.29	18.970	
2,200.00	2,090.51	2,068.45	2,065.38	12.34	9.03	-98.91	-279.71	554.73	393.06	371.82	21.24	18.508	
2,300.00	2,179.59	2,148.29	2,144.95	13.05	9.35	-104.75	-273.14	554.17	408.68	386.59	22.09	18.499	SF
2,400.00	2,268.66	2,226.07	2,222.30	13.76	9.67	-110.24	-265.12	553.45	431.37	408.52	22.85	18.881	
2,500.00	2,357.74	2,297.52	2,293.16	14.49	9.96	-115.01	-255.94	553.05	461.24	437.78	23.46	19.659	
2,600.00	2,446.82	2,373.85	2,368.64	15.21	10.28	-119.70	-244.54	552.87	497.27	473.20	24.08	20.652	
2,700.00	2,535.89	2,447.86	2,441.65	15.95	10.59	-123.82	-232.48	552.64	538.05	513.41	24.64	21.834	
2,800.00	2,624.97	2,519.10	2,511.73	16.68	10.88	-127.43	-219.67	552.30	583.11	557.95	25.16	23.177	
2,900.00	2,714.05	2,581.00	2,572.40	17.42	11.14	-130.30	-207.41	551.72	632.04	606.51	25.53	24.755	
3,000.00	2,803.12	2,639.70	2,629.59	18.16	11.39	-132.77	-194.19	551.46	685.21	659.36	25.85	26.502	
3,100.00	2,892.20	2,690.60	2,678.74	18.90	11.60	-134.69	-181.01	551.94	742.71	716.66	26.06	28.503	
3,200.00	2,981.28	2,738.85	2,724.90	19.65	11.81	-136.35	-166.98	552.72	803.95	777.73	26.23	30.655	
3,300.00	3,070.36	2,783.77	2,767.44	20.40	12.01	-137.77	-152.57	553.62	868.48	842.13	26.35	32.960	
3,400.00	3,159.43	2,824.73	2,805.78	21.14	12.19	-138.99	-138.18	554.30	936.04	909.62	26.42	35.429	
3,500.00	3,248.51	2,861.00	2,839.33	21.89	12.36	-140.01	-124.41	554.74	1,006.33	979.90	26.42	38.086	
3,600.00	3,337.59	2,909.72	2,883.95	22.65	12.58	-141.30	-104.85	555.22	1,078.69	1,052.00	26.69	40.421	
3,700.00	3,426.66	2,954.02	2,924.18	23.40	12.79	-142.37	-86.31	555.64	1,152.66	1,125.77	26.89	42.863	
3,800.00	3,515.74	3,050.99	3,012.44	24.15	13.25	-144.52	-46.18	555.23	1,226.68	1,198.60	28.08	43.686	
3,900.00	3,604.82	3,148.79	3,102.49	24.91	13.73	-146.44	-8.06	553.43	1,299.34	1,270.09	29.25	44.418	
4,000.00	3,693.89	3,204.62	3,154.05	25.66	14.00	-147.43	13.31	552.23	1,371.79	1,342.08	29.71	46.176	
4,100.00	3,782.97	3,305.86	3,247.73	26.42	14.51	-149.03	51.63	549.86	1,444.40	1,413.47	30.93	46.705	
4,200.00	3,872.05	3,418.24	3,353.09	27.18	15.07	-150.56	90.64	547.52	1,514.72	1,482.42	32.30	46.900	
4,300.00	3,961.12	3,534.55	3,463.23	27.94	15.65	-151.91	127.95	545.77	1,583.30	1,549.61	33.69	46.989	
4,400.00	4,050.20	3,623.78	3,548.29	28.69	16.09	-152.70	154.83	547.42	1,650.39	1,615.70	34.69	47.581	
4,500.00	4,139.28	3,670.66	3,592.87	29.45	16.33	-153.04	169.25	549.21	1,718.03	1,682.96	35.06	48.996	
4,600.00	4,228.35	3,703.00	3,623.47	30.21	16.49	-153.26	179.61	550.58	1,786.91	1,751.68	35.23	50.723	
4,700.00	4,317.43	3,756.78	3,674.11	30.97	16.76	-153.61	197.62	552.60	1,856.84	1,821.12	35.72	51.981	
4,800.00	4,406.51	3,797.00	3,711.75	31.73	16.97	-153.88	211.74	553.61	1,928.01	1,892.00	36.01	53.540	
4,900.00	4,495.59	3,828.98	3,741.51	32.50	17.14	-154.10	223.45	554.09	2,000.41	1,964.23	36.18	55.292	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 229-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	3,859.90	3,770.08	33.26	17.30	-154.32	235.26	554.23	2,074.08	2,037.75	36.33	57.085	
5,100.00	4,673.74	3,889.00	3,796.79	34.02	17.45	-154.53	246.80	554.09	2,148.95	2,112.49	36.46	58.938	
5,200.00	4,762.82	3,920.72	3,825.71	34.78	17.63	-154.75	259.82	553.63	2,224.91	2,188.27	36.64	60.728	
5,300.00	4,851.89	3,950.66	3,852.83	35.54	17.79	-154.97	272.49	552.91	2,301.86	2,265.07	36.79	62.567	
5,400.00	4,940.97	3,981.00	3,880.13	36.31	17.96	-155.19	285.69	551.91	2,379.77	2,342.81	36.95	64.397	
5,500.00	5,030.05	4,004.67	3,901.28	37.07	18.09	-155.36	296.28	550.95	2,458.59	2,421.57	37.02	66.411	
5,600.00	5,119.12	4,028.75	3,922.64	37.83	18.23	-155.54	307.33	549.86	2,538.34	2,501.24	37.10	68.419	
5,700.00	5,208.20	4,074.00	3,962.36	38.60	18.48	-155.86	328.87	547.45	2,619.17	2,581.65	37.52	69.802	
5,800.00	5,297.28	4,074.00	3,962.36	39.36	18.48	-155.86	328.87	547.45	2,700.36	2,663.12	37.23	72.530	
5,900.00	5,386.35	4,105.99	3,990.17	40.13	18.67	-156.09	344.57	545.56	2,782.43	2,744.97	37.46	74.277	
6,000.00	5,475.43	4,815.18	4,638.81	40.89	22.63	-159.69	622.82	516.34	2,858.06	2,810.66	47.40	60.294	
6,100.00	5,564.51	4,890.19	4,710.62	41.66	23.03	-159.98	644.42	514.40	2,925.70	2,877.49	48.21	60.684	
6,200.00	5,653.58	4,964.06	4,781.33	42.42	23.41	-160.24	665.70	512.73	2,993.35	2,944.34	49.01	61.076	
6,300.00	5,742.66	5,035.06	4,849.30	43.19	23.78	-160.47	686.19	511.40	3,061.02	3,011.25	49.77	61.497	
6,400.00	5,831.74	5,098.87	4,910.32	43.95	24.12	-160.66	704.87	510.97	3,128.88	3,078.42	50.46	62.013	
6,500.00	5,920.82	5,110.00	4,920.95	44.72	24.18	-160.69	708.16	510.98	3,197.46	3,146.99	50.48	63.345	
6,600.00	6,009.89	5,157.39	4,966.01	45.48	24.43	-160.80	722.82	511.27	3,266.68	3,215.72	50.96	64.106	
6,700.00	6,098.97	5,204.00	5,009.91	46.25	24.68	-160.89	738.45	511.84	3,337.31	3,285.88	51.43	64.891	
6,800.00	6,188.05	5,204.00	5,009.91	47.01	24.68	-160.89	738.45	511.84	3,408.52	3,357.23	51.29	66.452	
6,900.00	6,277.12	5,242.39	5,045.82	47.78	24.89	-160.97	752.02	512.41	3,480.72	3,429.06	51.66	67.376	
7,000.00	6,366.20	5,276.10	5,077.22	48.55	25.08	-161.03	764.28	512.90	3,553.61	3,501.64	51.97	68.382	
7,100.00	6,455.28	5,317.58	5,115.70	49.31	25.31	-161.10	779.73	513.49	3,627.14	3,574.76	52.38	69.247	
7,197.64	6,542.25	7,197.64	5,228.53	50.06	35.84	-161.29	824.73	515.23	3,698.97	3,635.93	63.04	58.675	
7,200.00	6,544.35	7,200.00	5,230.03	50.08	35.85	-161.91	825.31	515.25	3,700.69	3,637.62	63.06	58.681	
7,250.00	6,589.22	5,546.99	5,329.62	50.44	26.59	-175.24	862.50	516.54	3,736.42	3,681.20	55.21	67.671	
7,300.00	6,634.48	5,601.11	5,380.49	50.77	26.89	171.07	880.93	517.11	3,771.51	3,715.67	55.84	67.542	
7,350.00	6,679.86	5,687.54	5,462.04	51.06	27.36	157.67	909.51	518.81	3,805.44	3,748.58	56.86	66.924	
7,400.00	6,725.09	5,719.54	5,492.29	51.31	27.54	144.72	919.95	519.44	3,838.47	3,781.28	57.19	67.121	
7,450.00	6,769.87	5,751.22	5,522.22	51.52	27.71	132.91	930.29	519.93	3,870.53	3,813.03	57.51	67.307	
7,500.00	6,813.94	5,766.00	5,536.20	51.69	27.79	122.35	935.12	520.11	3,901.52	3,843.91	57.61	67.722	
7,550.00	6,857.03	5,766.00	5,536.20	51.84	27.79	113.06	935.12	520.11	3,931.48	3,873.95	57.53	68.334	
7,600.00	6,898.86	5,801.70	5,569.86	51.95	27.99	105.46	946.99	520.45	3,959.90	3,901.98	57.92	68.371	
7,650.00	6,939.19	5,814.81	5,582.19	52.05	28.06	98.81	951.45	520.55	3,987.07	3,929.04	58.03	68.707	
7,700.00	6,977.75	5,827.26	5,593.88	52.13	28.13	93.16	955.74	520.62	4,012.71	3,954.55	58.15	69.002	
7,750.00	7,014.32	5,861.00	5,625.46	52.20	28.31	88.65	967.61	520.76	4,036.86	3,978.28	58.58	68.915	
7,800.00	7,048.67	5,861.00	5,625.46	52.26	28.31	84.45	967.61	520.76	4,059.01	4,000.41	58.60	69.262	
7,850.00	7,080.59	5,861.00	5,625.46	52.33	28.31	80.89	967.61	520.76	4,079.41	4,020.74	58.67	69.529	
7,900.00	7,109.87	5,884.95	5,647.84	52.39	28.45	78.18	976.15	520.78	4,097.88	4,038.78	59.10	69.336	
7,950.00	7,136.35	5,909.38	5,670.67	52.47	28.59	75.96	984.84	520.74	4,114.29	4,054.70	59.60	69.036	
8,000.00	7,159.85	5,931.40	5,691.26	52.55	28.71	74.14	992.64	520.65	4,128.60	4,068.47	60.13	68.666	
8,050.00	7,180.23	5,950.83	5,709.44	52.64	28.82	72.67	999.51	520.52	4,140.76	4,080.07	60.69	68.226	
8,100.00	7,197.37	5,967.52	5,725.05	52.75	28.91	71.50	1,005.39	520.37	4,150.76	4,089.46	61.30	67.715	
8,150.00	7,211.16	5,968.66	5,726.12	52.88	28.92	70.45	1,005.81	520.36	4,158.62	4,096.84	61.78	67.315	
8,200.00	7,221.51	5,973.89	5,731.01	53.03	28.95	69.75	1,007.67	520.32	4,164.28	4,101.90	62.39	66.748	
8,250.00	7,228.37	5,977.47	5,734.35	53.20	28.97	69.31	1,008.94	520.29	4,167.75	4,104.71	63.05	66.105	
8,300.00	7,231.68	5,979.38	5,736.13	53.40	28.98	69.14	1,009.62	520.27	4,169.02	4,105.26	63.75	65.394	
8,317.45	7,232.00	5,979.64	5,736.38	53.47	28.98	69.13	1,009.71	520.27	4,168.94	4,104.93	64.01	65.132	
8,368.61	7,232.30	5,980.13	5,736.84	53.71	28.98	69.14	1,009.88	520.26	4,168.62	4,103.82	64.80	64.331	
8,400.00	7,232.48	5,980.43	5,737.12	53.86	28.99	69.14	1,009.99	520.26	4,168.74	4,103.45	65.29	63.852	
8,500.00	7,233.06	5,981.39	5,738.01	54.44	28.99	69.16	1,010.33	520.25	4,170.69	4,103.71	66.99	62.261	
8,600.00	7,233.64	5,982.34	5,738.90	55.14	29.00	69.17	1,010.67	520.24	4,175.04	4,106.21	68.82	60.662	
8,700.00	7,234.22	5,983.31	5,739.80	55.99	29.00	69.18	1,011.02	520.23	4,181.77	4,111.00	70.78	59.085	

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

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

Offset Design Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 229-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	5,984.27	5,740.70	57.00	29.01	69.20	1,011.36	520.22	4,190.88	4,118.06	72.82	57.553	
8,900.00	7,235.39	5,985.24	5,741.61	58.18	29.01	69.21	1,011.71	520.21	4,202.35	4,127.42	74.93	56.082	
9,000.00	7,235.97	5,986.21	5,742.52	59.53	29.02	69.22	1,012.05	520.21	4,216.16	4,139.06	77.10	54.684	
9,100.00	7,236.55	5,987.19	5,743.43	61.04	29.02	69.24	1,012.40	520.20	4,232.29	4,152.98	79.31	53.366	
9,200.00	7,237.13	5,988.16	5,744.34	62.69	29.03	69.25	1,012.75	520.19	4,250.71	4,169.17	81.54	52.132	
9,300.00	7,237.71	5,989.15	5,745.26	64.47	29.03	69.26	1,013.10	520.18	4,271.39	4,187.61	83.78	50.984	
9,400.00	7,238.29	5,990.13	5,746.18	66.36	29.04	69.28	1,013.45	520.17	4,294.30	4,208.28	86.02	49.921	
9,500.00	7,238.87	5,991.12	5,747.10	68.34	29.05	69.29	1,013.81	520.16	4,319.41	4,231.15	88.26	48.942	
9,600.00	7,239.45	5,992.11	5,748.03	70.41	29.05	69.30	1,014.16	520.15	4,346.67	4,256.19	90.47	48.043	
9,700.00	7,240.03	5,993.11	5,748.96	72.55	29.06	69.32	1,014.52	520.14	4,376.04	4,283.37	92.67	47.222	
9,800.00	7,240.61	5,994.11	5,749.89	74.76	29.06	69.33	1,014.87	520.13	4,407.49	4,312.66	94.84	46.475	
9,900.00	7,241.20	5,995.11	5,750.82	77.02	29.07	69.34	1,015.23	520.12	4,440.97	4,344.00	96.97	45.798	
10,000.00	7,241.78	5,996.11	5,751.76	79.33	29.07	69.36	1,015.59	520.11	4,476.43	4,377.37	99.06	45.188	
10,100.00	7,242.36	5,997.12	5,752.71	81.68	29.08	69.37	1,015.96	520.10	4,513.83	4,412.72	101.11	44.641	
10,200.00	7,242.94	5,998.14	5,753.65	84.07	29.09	69.39	1,016.32	520.09	4,553.12	4,450.00	103.12	44.154	
10,300.00	7,243.52	5,999.15	5,754.60	86.49	29.09	69.40	1,016.68	520.08	4,594.25	4,489.17	105.08	43.722	
10,400.00	7,244.10	6,000.17	5,755.55	88.95	29.10	69.41	1,017.05	520.07	4,637.17	4,530.18	106.99	43.342	
10,500.00	7,244.68	6,001.19	5,756.51	91.43	29.10	69.43	1,017.42	520.06	4,681.83	4,572.98	108.85	43.012	
10,600.00	7,245.26	6,002.22	5,757.47	93.93	29.11	69.44	1,017.79	520.05	4,728.19	4,617.53	110.66	42.729	
10,700.00	7,245.84	6,003.25	5,758.43	96.46	29.11	69.46	1,018.16	520.04	4,776.19	4,663.78	112.41	42.488	
10,800.00	7,246.42	6,004.29	5,759.39	99.01	29.12	69.47	1,018.53	520.03	4,825.78	4,711.67	114.11	42.289	
10,900.00	7,247.01	6,005.32	5,760.36	101.58	29.13	69.48	1,018.90	520.02	4,876.92	4,761.16	115.77	42.128	
11,000.00	7,247.59	6,006.37	5,761.33	104.16	29.13	69.50	1,019.27	520.01	4,929.56	4,812.20	117.36	42.003	
11,100.00	7,248.17	6,007.41	5,762.31	106.76	29.14	69.51	1,019.65	520.00	4,983.65	4,864.74	118.91	41.911	
11,200.00	7,248.75	6,008.46	5,763.29	109.37	29.14	69.53	1,020.03	519.99	5,039.14	4,918.74	120.40	41.852	
11,300.00	7,249.33	6,009.51	5,764.27	112.00	29.15	69.54	1,020.41	519.98	5,095.99	4,974.14	121.85	41.822	
11,400.00	7,249.91	6,010.57	5,765.25	114.64	29.16	69.56	1,020.79	519.97	5,154.16	5,030.91	123.24	41.821	
11,500.00	7,250.49	6,011.63	5,766.24	117.29	29.16	69.57	1,021.17	519.96	5,213.59	5,089.00	124.59	41.846	
11,600.00	7,251.07	6,012.69	5,767.23	119.95	29.17	69.59	1,021.55	519.95	5,274.25	5,148.36	125.89	41.896	
11,700.00	7,251.65	6,013.76	5,768.23	122.62	29.17	69.60	1,021.94	519.94	5,336.09	5,208.95	127.14	41.970	
11,800.00	7,252.23	6,014.83	5,769.23	125.30	29.18	69.62	1,022.33	519.93	5,399.08	5,270.73	128.35	42.065	
11,900.00	7,252.82	6,015.91	5,770.23	127.98	29.19	69.63	1,022.71	519.92	5,463.17	5,333.65	129.51	42.182	
12,000.00	7,253.40	6,016.99	5,771.24	130.68	29.19	69.65	1,023.10	519.91	5,528.32	5,397.69	130.63	42.319	
12,100.00	7,253.98	6,018.07	5,772.25	133.38	29.20	69.66	1,023.50	519.90	5,594.51	5,462.79	131.72	42.474	
12,200.00	7,254.56	6,019.16	5,773.26	136.09	29.20	69.67	1,023.89	519.89	5,661.69	5,528.93	132.76	42.647	
12,300.00	7,255.14	6,020.25	5,774.28	138.81	29.21	69.69	1,024.28	519.87	5,729.82	5,596.06	133.76	42.837	
12,400.00	7,255.72	6,021.34	5,775.30	141.53	29.22	69.70	1,024.68	519.86	5,798.88	5,664.16	134.72	43.043	
12,500.00	7,256.30	6,022.44	5,776.32	144.26	29.22	69.72	1,025.08	519.85	5,868.83	5,733.17	135.65	43.264	
12,600.00	7,256.88	6,023.55	5,777.35	146.99	29.23	69.74	1,025.48	519.84	5,939.64	5,803.09	136.55	43.499	
12,700.00	7,257.46	6,024.65	5,778.38	149.73	29.24	69.75	1,025.88	519.83	6,011.27	5,873.87	137.41	43.748	
12,800.00	7,258.04	6,025.76	5,779.42	152.47	29.24	69.77	1,026.28	519.82	6,083.71	5,945.47	138.24	44.009	
12,900.00	7,258.63	6,026.88	5,780.46	155.22	29.25	69.78	1,026.68	519.81	6,156.92	6,017.88	139.04	44.283	
13,000.00	7,259.21	6,028.00	5,781.50	157.97	29.25	69.80	1,027.09	519.79	6,230.87	6,091.07	139.81	44.568	
13,100.00	7,259.79	6,029.12	5,782.55	160.72	29.26	69.81	1,027.50	519.78	6,305.55	6,165.00	140.55	44.864	
13,200.00	7,260.37	6,030.25	5,783.60	163.48	29.27	69.83	1,027.91	519.77	6,380.91	6,239.65	141.26	45.171	
13,300.00	7,260.95	6,031.38	5,784.65	166.24	29.27	69.84	1,028.32	519.76	6,456.95	6,315.00	141.95	45.488	
13,400.00	7,261.53	6,032.52	5,785.71	169.01	29.28	69.86	1,028.73	519.75	6,533.63	6,391.01	142.61	45.814	
13,480.77	7,262.00	6,033.44	5,786.57	171.24	29.28	69.87	1,029.06	519.74	6,596.02	6,452.89	143.13	46.085	

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

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.47	135.16	1.11	135.16				
100.00	100.00	100.00	100.00	3.28	3.28	0.47	135.16	1.11	135.16	128.59	6.57	20.575	
200.00	200.00	200.00	200.00	3.34	3.34	0.47	135.16	1.11	135.16	128.49	6.67	20.252	
300.00	300.00	300.00	300.00	3.44	3.44	0.47	135.16	1.11	135.16	128.27	6.89	19.618	CC, ES
400.00	399.98	402.74	402.72	3.60	3.60	-154.33	134.10	2.62	135.72	128.52	7.20	18.848	
500.00	499.84	505.42	505.25	3.79	3.80	-153.38	130.94	7.14	137.44	129.84	7.60	18.090	
600.00	599.45	607.99	607.40	4.02	4.05	-151.85	125.67	14.66	140.36	132.29	8.08	17.373	
700.00	698.70	710.40	709.00	4.29	4.33	-149.82	118.33	25.15	144.61	135.98	8.63	16.747	
800.00	797.47	812.59	809.86	4.59	4.65	-147.39	108.92	38.58	150.30	141.04	9.26	16.239	
900.00	895.62	914.51	909.81	4.93	5.00	-144.67	97.50	54.89	157.55	147.61	9.94	15.855	
1,000.00	993.06	1,015.75	1,008.34	5.31	5.39	-141.78	84.16	73.94	166.51	155.83	10.68	15.596	
1,100.00	1,089.64	1,114.89	1,104.53	5.72	5.80	-139.55	70.41	93.59	178.02	166.56	11.46	15.531	
1,200.00	1,185.27	1,213.79	1,200.50	6.16	6.23	-138.23	56.68	113.19	192.31	180.01	12.29	15.642	
1,300.00	1,279.82	1,312.34	1,296.12	6.64	6.67	-137.68	43.01	132.72	209.20	196.04	13.17	15.889	
1,400.00	1,373.17	1,410.42	1,391.29	7.15	7.12	-137.75	29.40	152.15	228.64	214.57	14.07	16.250	
1,500.00	1,465.21	1,507.91	1,485.88	7.70	7.58	-138.27	15.87	171.47	250.64	235.64	15.00	16.708	
1,600.00	1,555.84	1,604.69	1,579.78	8.30	8.05	-139.12	2.44	190.65	275.25	259.29	15.95	17.253	
1,651.50	1,601.92	1,654.21	1,627.83	8.62	8.29	-139.64	-4.43	200.46	288.96	272.51	16.45	17.564	
1,700.00	1,645.13	1,700.74	1,672.98	8.93	8.52	-140.31	-10.89	209.69	302.24	285.31	16.92	17.860	
1,800.00	1,734.20	1,803.32	1,766.07	9.58	9.03	-141.51	-24.20	228.70	329.71	311.78	17.93	18.385	
1,900.00	1,823.28	1,907.38	1,859.16	10.25	9.55	-142.52	-37.51	247.71	357.30	338.33	18.97	18.840	
2,000.00	1,912.36	1,988.56	1,952.26	10.94	9.96	-143.39	-50.83	266.72	384.97	365.08	19.90	19.350	
2,100.00	2,001.43	2,084.51	2,045.35	11.63	10.45	-144.14	-64.14	285.74	412.72	391.81	20.91	19.740	
2,200.00	2,090.51	2,180.45	2,138.44	12.34	10.94	-144.80	-77.45	304.75	440.53	418.60	21.93	20.089	
2,300.00	2,179.59	2,276.39	2,231.53	13.05	11.43	-145.38	-90.76	323.76	468.38	445.43	22.96	20.404	
2,400.00	2,268.66	2,372.33	2,324.62	13.76	11.93	-145.90	-104.08	342.77	496.27	472.28	23.99	20.687	
2,500.00	2,357.74	2,468.27	2,417.71	14.49	12.43	-146.36	-117.39	361.79	524.20	499.17	25.03	20.945	
2,600.00	2,446.82	2,564.21	2,510.80	15.21	12.93	-146.77	-130.70	380.80	552.15	526.08	26.07	21.178	
2,700.00	2,535.89	2,660.15	2,603.89	15.95	13.43	-147.15	-144.02	399.81	580.13	553.01	27.12	21.392	
2,800.00	2,624.97	2,756.09	2,696.98	16.68	13.94	-147.49	-157.33	418.83	608.13	579.96	28.17	21.587	
2,900.00	2,714.05	2,852.03	2,790.07	17.42	14.44	-147.80	-170.64	437.84	636.15	606.92	29.23	21.767	
3,000.00	2,803.12	2,947.97	2,883.16	18.16	14.95	-148.08	-183.95	456.85	664.18	633.89	30.28	21.932	
3,100.00	2,892.20	3,043.91	2,976.25	18.90	15.46	-148.34	-197.27	475.86	692.22	660.88	31.34	22.085	
3,200.00	2,981.28	3,139.85	3,069.35	19.65	15.96	-148.58	-210.58	494.88	720.28	687.88	32.41	22.226	
3,300.00	3,070.36	3,235.79	3,162.44	20.40	16.47	-148.81	-223.89	513.89	748.35	714.88	33.47	22.358	
3,400.00	3,159.43	3,331.73	3,255.53	21.14	16.98	-149.01	-237.20	532.90	776.43	741.89	34.54	22.480	
3,500.00	3,248.51	3,427.68	3,348.62	21.89	17.50	-149.21	-250.52	551.91	804.52	768.91	35.61	22.594	
3,600.00	3,337.59	3,523.62	3,441.71	22.65	18.01	-149.38	-263.83	570.93	832.61	795.94	36.68	22.701	
3,700.00	3,426.66	3,619.56	3,534.80	23.40	18.52	-149.55	-277.14	589.94	860.72	822.97	37.75	22.801	
3,800.00	3,515.74	3,715.50	3,627.89	24.15	19.03	-149.71	-290.46	608.95	888.82	850.00	38.82	22.894	
3,900.00	3,604.82	3,811.44	3,720.98	24.91	19.55	-149.86	-303.77	627.96	916.94	877.04	39.90	22.982	
4,000.00	3,693.89	3,907.38	3,814.07	25.66	20.06	-149.99	-317.08	646.98	945.06	904.08	40.97	23.065	
4,100.00	3,782.97	4,003.32	3,907.16	26.42	20.58	-150.13	-330.39	665.99	973.18	931.13	42.05	23.143	
4,200.00	3,872.05	4,100.74	4,000.25	27.18	21.10	-150.25	-343.71	685.00	1,001.31	958.18	43.14	23.213	
4,300.00	3,961.12	4,204.80	4,093.35	27.94	21.66	-150.36	-357.02	704.02	1,029.44	985.19	44.26	23.261	
4,400.00	4,050.20	4,308.86	4,186.44	28.69	22.22	-150.48	-370.33	723.03	1,057.58	1,012.20	45.38	23.306	
4,500.00	4,139.28	4,387.08	4,279.53	29.45	22.64	-150.58	-383.65	742.04	1,085.72	1,039.35	46.37	23.416	
4,600.00	4,228.35	4,483.02	4,372.62	30.21	23.15	-150.68	-396.96	761.05	1,113.86	1,066.42	47.45	23.475	
4,700.00	4,317.43	4,578.96	4,465.71	30.97	23.67	-150.77	-410.27	780.07	1,142.01	1,093.48	48.53	23.532	
4,800.00	4,406.51	4,674.90	4,558.80	31.73	24.19	-150.86	-423.58	799.08	1,170.16	1,120.55	49.61	23.585	
4,900.00	4,495.59	4,770.85	4,651.89	32.50	24.70	-150.95	-436.90	818.09	1,198.31	1,147.61	50.70	23.637	
5,000.00	4,584.66	4,866.79	4,744.98	33.26	25.22	-151.03	-450.21	837.10	1,226.46	1,174.68	51.78	23.686	

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

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

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,962.73	4,838.07	34.02	25.74	-151.11	-463.52	856.12	1,254.62	1,201.75	52.87	23.732	
5,200.00	4,762.82	5,058.67	4,931.16	34.78	26.26	-151.18	-476.84	875.13	1,282.78	1,228.83	53.95	23.777	
5,300.00	4,851.89	5,154.61	5,024.25	35.54	26.78	-151.25	-490.15	894.14	1,310.94	1,255.90	55.04	23.820	
5,400.00	4,940.97	5,250.55	5,117.34	36.31	27.29	-151.32	-503.46	913.15	1,339.10	1,282.98	56.12	23.861	
5,500.00	5,030.05	5,346.49	5,210.44	37.07	27.81	-151.39	-516.77	932.17	1,367.26	1,310.05	57.21	23.900	
5,600.00	5,119.12	5,442.43	5,303.53	37.83	28.33	-151.45	-530.09	951.18	1,395.43	1,337.13	58.30	23.937	
5,700.00	5,208.20	5,538.37	5,396.62	38.60	28.85	-151.51	-543.40	970.19	1,423.59	1,364.21	59.38	23.973	
5,800.00	5,297.28	5,634.31	5,489.71	39.36	29.37	-151.57	-556.71	989.20	1,451.76	1,391.29	60.47	24.008	
5,900.00	5,386.35	5,730.25	5,582.80	40.13	29.89	-151.63	-570.02	1,008.22	1,479.93	1,418.37	61.56	24.041	
6,000.00	5,475.43	5,826.19	5,675.89	40.89	30.41	-151.68	-583.34	1,027.23	1,508.10	1,445.45	62.65	24.073	
6,100.00	5,564.51	5,922.13	5,768.98	41.66	30.93	-151.73	-596.65	1,046.24	1,536.27	1,472.54	63.74	24.104	
6,200.00	5,653.58	6,018.08	5,862.07	42.42	31.45	-151.78	-609.96	1,065.26	1,564.44	1,499.62	64.82	24.134	
6,300.00	5,742.66	6,114.02	5,955.16	43.19	31.97	-151.83	-623.28	1,084.27	1,592.62	1,526.70	65.91	24.162	
6,400.00	5,831.74	6,209.96	6,048.25	43.95	32.49	-151.88	-636.59	1,103.28	1,620.79	1,553.79	67.00	24.190	
6,500.00	5,920.82	6,305.90	6,141.34	44.72	33.00	-151.92	-649.90	1,122.29	1,648.97	1,580.88	68.09	24.216	
6,600.00	6,009.89	6,401.84	6,234.44	45.48	33.52	-151.96	-663.21	1,141.31	1,677.14	1,607.96	69.18	24.242	
6,700.00	6,098.97	6,502.22	6,327.53	46.25	34.07	-152.01	-676.53	1,160.32	1,705.32	1,635.03	70.30	24.259	
6,800.00	6,188.05	6,593.72	6,420.62	47.01	34.56	-152.05	-689.84	1,179.33	1,733.50	1,662.14	71.36	24.291	
6,900.00	6,277.12	6,694.05	6,518.18	47.78	35.10	-152.13	-703.80	1,198.06	1,761.64	1,689.15	72.48	24.304	
7,000.00	6,366.20	6,799.93	6,622.69	48.55	35.56	-152.67	-718.82	1,203.93	1,789.32	1,715.85	73.47	24.356	
7,100.00	6,455.28	6,898.31	6,719.44	49.31	35.88	-153.67	-732.80	1,193.64	1,816.81	1,742.60	74.21	24.482	
7,197.64	6,542.25	6,983.99	6,801.54	50.06	36.13	-154.88	-744.72	1,172.51	1,844.14	1,769.36	74.78	24.659	
7,200.00	6,544.35	6,985.92	6,803.35	50.08	36.14	-155.36	-744.98	1,171.91	1,844.82	1,770.02	74.80	24.664	
7,250.00	6,589.22	7,026.33	6,840.88	50.44	36.26	-166.04	-750.45	1,158.00	1,859.30	1,784.25	75.05	24.774	
7,300.00	6,634.48	7,065.77	6,876.60	50.77	36.39	-177.49	-755.67	1,142.13	1,874.13	1,798.84	75.29	24.893	
7,350.00	6,679.86	7,104.39	6,910.57	51.06	36.52	170.83	-760.65	1,124.45	1,889.18	1,813.66	75.51	25.017	
7,400.00	6,725.09	7,142.31	6,942.84	51.31	36.65	159.52	-765.39	1,105.10	1,904.32	1,828.58	75.74	25.144	
7,450.00	6,769.87	7,179.64	6,973.42	51.52	36.80	149.09	-769.89	1,084.19	1,919.43	1,843.47	75.96	25.269	
7,500.00	6,813.94	7,216.47	7,002.36	51.69	36.94	139.80	-774.16	1,061.82	1,934.39	1,858.20	76.19	25.390	
7,550.00	6,857.03	7,252.86	7,029.65	51.84	37.10	131.72	-778.21	1,038.08	1,949.08	1,872.65	76.43	25.503	
7,600.00	6,898.86	7,288.90	7,055.30	51.95	37.27	124.78	-782.02	1,013.07	1,963.39	1,886.71	76.68	25.604	
7,650.00	6,939.19	7,324.62	7,079.30	52.05	37.45	118.83	-785.60	986.86	1,977.21	1,900.25	76.96	25.690	
7,700.00	6,977.75	7,360.09	7,101.66	52.13	37.65	113.75	-788.95	959.54	1,990.44	1,913.17	77.27	25.759	
7,750.00	7,014.32	7,395.33	7,122.35	52.20	37.85	109.39	-792.06	931.18	2,002.99	1,925.38	77.62	25.806	
7,800.00	7,048.67	7,430.39	7,141.35	52.26	38.08	105.66	-794.94	901.87	2,014.77	1,936.76	78.01	25.827	
7,850.00	7,080.59	7,465.30	7,158.66	52.33	38.32	102.46	-797.58	871.68	2,025.68	1,947.23	78.45	25.821	
7,900.00	7,109.87	7,500.00	7,174.22	52.39	38.58	99.73	-799.96	840.75	2,035.67	1,956.73	78.94	25.786	
7,950.00	7,136.35	7,534.73	7,188.10	52.47	38.86	97.41	-802.11	808.99	2,044.66	1,965.15	79.51	25.714	
8,000.00	7,159.85	7,569.31	7,200.18	52.55	39.15	95.46	-804.01	776.66	2,052.60	1,972.45	80.15	25.609	
8,050.00	7,180.23	7,600.00	7,209.45	52.64	39.43	93.86	-805.48	747.44	2,059.43	1,978.59	80.83	25.477	
8,100.00	7,197.37	7,638.23	7,219.02	52.75	39.79	92.54	-807.04	710.47	2,065.09	1,983.44	81.65	25.292	
8,150.00	7,211.16	7,672.60	7,225.74	52.88	40.14	91.53	-808.16	676.78	2,069.57	1,987.05	82.52	25.081	
8,200.00	7,221.51	7,706.93	7,230.64	53.03	40.50	90.79	-809.03	642.82	2,072.83	1,989.37	83.46	24.837	
8,250.00	7,228.37	7,741.23	7,233.72	53.20	40.87	90.31	-809.64	608.67	2,074.85	1,990.38	84.47	24.563	
8,300.00	7,231.68	7,775.49	7,234.97	53.40	41.26	90.10	-809.98	574.44	2,075.61	1,990.06	85.54	24.264	
8,317.45	7,232.00	7,809.39	7,235.02	53.47	41.66	90.08	-810.06	559.32	2,075.57	1,989.37	86.20	24.079	
8,400.00	7,232.48	7,873.15	7,235.20	53.86	42.47	90.07	-810.48	476.78	2,074.93	1,986.86	88.07	23.560	
8,500.00	7,233.06	7,973.15	7,235.41	54.44	43.86	90.06	-810.99	376.78	2,074.16	1,983.28	90.89	22.822	
8,600.00	7,233.64	8,073.14	7,235.63	55.14	45.40	90.05	-811.50	276.79	2,073.39	1,979.43	93.97	22.066	
8,700.00	7,234.22	8,173.14	7,235.84	55.99	47.06	90.04	-812.01	176.79	2,072.62	1,975.34	97.28	21.305	
8,800.00	7,234.80	8,273.14	7,236.05	57.00	48.85	90.03	-812.52	76.80	2,071.85	1,971.04	100.82	20.551	
8,900.00	7,235.39	8,373.13	7,236.27	58.18	50.74	90.02	-813.02	-23.20	2,071.08	1,966.54	104.54	19.811	

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

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,473.13	7,236.48	59.53	52.72	90.01	-813.53	-123.19	2,070.31	1,961.87	108.44	19.091	
9,100.00	7,236.55	8,573.12	7,236.69	61.04	54.78	90.00	-814.04	-223.19	2,069.55	1,957.05	112.50	18.396	
9,200.00	7,237.13	8,673.12	7,236.90	62.69	56.92	89.99	-814.55	-323.18	2,068.78	1,952.08	116.69	17.729	
9,300.00	7,237.71	8,773.12	7,237.12	64.47	59.11	89.98	-815.06	-423.18	2,068.01	1,947.00	121.01	17.090	
9,400.00	7,238.29	8,873.11	7,237.33	66.36	61.37	89.97	-815.56	-523.17	2,067.24	1,941.80	125.44	16.480	
9,500.00	7,238.87	8,973.11	7,237.54	68.34	63.67	89.96	-816.07	-623.17	2,066.47	1,936.50	129.97	15.900	
9,600.00	7,239.45	9,073.11	7,237.76	70.41	66.02	89.95	-816.58	-723.16	2,065.70	1,931.11	134.59	15.348	
9,700.00	7,240.03	9,173.10	7,237.97	72.55	68.41	89.94	-817.09	-823.16	2,064.93	1,925.64	139.29	14.824	
9,800.00	7,240.61	9,273.10	7,238.18	74.76	70.83	89.93	-817.60	-923.15	2,064.16	1,920.09	144.07	14.328	
9,900.00	7,241.20	9,373.10	7,238.40	77.02	73.28	89.92	-818.11	-1,023.15	2,063.39	1,914.48	148.91	13.857	
10,000.00	7,241.78	9,473.09	7,238.61	79.33	75.77	89.91	-818.61	-1,123.14	2,062.62	1,908.81	153.81	13.410	
10,100.00	7,242.36	9,573.09	7,238.82	81.68	78.28	89.90	-819.12	-1,223.14	2,061.85	1,903.09	158.77	12.987	
10,200.00	7,242.94	9,673.08	7,239.03	84.07	80.81	89.89	-819.63	-1,323.13	2,061.08	1,897.31	163.77	12.585	
10,300.00	7,243.52	9,773.08	7,239.25	86.49	83.37	89.88	-820.14	-1,423.12	2,060.32	1,891.49	168.82	12.204	
10,400.00	7,244.10	9,873.08	7,239.46	88.95	85.94	89.87	-820.65	-1,523.12	2,059.55	1,885.63	173.91	11.842	
10,500.00	7,244.68	9,973.07	7,239.67	91.43	88.53	89.86	-821.16	-1,623.11	2,058.78	1,879.73	179.04	11.499	
10,600.00	7,245.26	10,073.07	7,239.89	93.93	91.14	89.85	-821.66	-1,723.11	2,058.01	1,873.80	184.21	11.172	
10,700.00	7,245.84	10,173.07	7,240.10	96.46	93.77	89.84	-822.17	-1,823.10	2,057.24	1,867.84	189.40	10.862	
10,800.00	7,246.42	10,273.06	7,240.31	99.01	96.40	89.83	-822.68	-1,923.10	2,056.47	1,861.84	194.63	10.566	
10,900.00	7,247.01	10,373.06	7,240.53	101.58	99.05	89.82	-823.19	-2,023.09	2,055.71	1,855.82	199.88	10.285	
11,000.00	7,247.59	10,473.06	7,240.74	104.16	101.71	89.81	-823.70	-2,123.09	2,054.94	1,849.78	205.16	10.016	
11,100.00	7,248.17	10,573.05	7,240.95	106.76	104.38	89.80	-824.21	-2,223.08	2,054.17	1,843.71	210.46	9.761	
11,200.00	7,248.75	10,673.05	7,241.16	109.37	107.06	89.79	-824.71	-2,323.08	2,053.40	1,837.62	215.78	9.516	
11,300.00	7,249.33	10,773.04	7,241.38	112.00	109.75	89.78	-825.22	-2,423.07	2,052.63	1,831.51	221.12	9.283	
11,400.00	7,249.91	10,873.04	7,241.59	114.64	112.45	89.77	-825.73	-2,523.07	2,051.86	1,825.39	226.48	9.060	
11,500.00	7,250.49	10,973.04	7,241.80	117.29	115.16	89.75	-826.24	-2,623.06	2,051.10	1,819.24	231.85	8.847	
11,600.00	7,251.07	11,073.03	7,242.02	119.95	117.87	89.74	-826.75	-2,723.06	2,050.33	1,813.08	237.25	8.642	
11,700.00	7,251.65	11,173.03	7,242.23	122.62	120.59	89.73	-827.25	-2,823.05	2,049.56	1,806.91	242.65	8.446	
11,800.00	7,252.23	11,273.03	7,242.44	125.30	123.31	89.72	-827.76	-2,923.05	2,048.79	1,800.72	248.07	8.259	
11,900.00	7,252.82	11,373.02	7,242.66	127.98	126.05	89.71	-828.27	-3,023.04	2,048.03	1,794.52	253.51	8.079	
12,000.00	7,253.40	11,473.02	7,242.87	130.68	128.78	89.70	-828.78	-3,123.04	2,047.26	1,788.30	258.95	7.906	
12,100.00	7,253.98	11,573.02	7,243.08	133.38	131.53	89.69	-829.29	-3,223.03	2,046.49	1,782.08	264.41	7.740	
12,200.00	7,254.56	11,673.01	7,243.29	136.09	134.27	89.68	-829.80	-3,323.03	2,045.72	1,775.84	269.88	7.580	
12,300.00	7,255.14	11,773.01	7,243.51	138.81	137.03	89.67	-830.30	-3,423.02	2,044.96	1,769.60	275.36	7.427	
12,400.00	7,255.72	11,873.00	7,243.72	141.53	139.78	89.66	-830.81	-3,523.02	2,044.19	1,763.34	280.84	7.279	
12,500.00	7,256.30	11,973.00	7,243.93	144.26	142.54	89.65	-831.32	-3,623.01	2,043.42	1,757.08	286.34	7.136	
12,600.00	7,256.88	12,073.00	7,244.15	146.99	145.31	89.64	-831.83	-3,723.01	2,042.65	1,750.81	291.85	6.999	
12,700.00	7,257.46	12,172.99	7,244.36	149.73	148.08	89.63	-832.34	-3,823.00	2,041.89	1,744.53	297.36	6.867	
12,800.00	7,258.04	12,272.99	7,244.57	152.47	150.85	89.62	-832.85	-3,923.00	2,041.12	1,738.24	302.88	6.739	
12,900.00	7,258.63	12,372.99	7,244.79	155.22	153.62	89.61	-833.35	-4,022.99	2,040.35	1,731.95	308.41	6.616	
13,000.00	7,259.21	12,472.98	7,245.00	157.97	156.40	89.60	-833.86	-4,122.99	2,039.59	1,725.64	313.94	6.497	
13,100.00	7,259.79	12,572.98	7,245.21	160.72	159.18	89.59	-834.37	-4,222.98	2,038.82	1,719.34	319.48	6.382	
13,200.00	7,260.37	12,672.98	7,245.42	163.48	161.96	89.58	-834.88	-4,322.98	2,038.05	1,713.02	325.03	6.270	
13,300.00	7,260.95	12,772.97	7,245.64	166.24	164.75	89.57	-835.39	-4,422.97	2,037.29	1,706.70	330.58	6.163	
13,400.00	7,261.53	12,872.97	7,245.85	169.01	167.54	89.56	-835.89	-4,522.97	2,036.52	1,700.38	336.14	6.059	
13,480.77	7,262.00	12,953.74	7,246.02	171.24	169.79	89.55	-836.31	-4,603.73	2,035.90	1,695.27	340.63	5.977	SF

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

Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	120.22	1.11	120.23				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	120.22	1.11	120.23	113.66	6.57	18.301	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	120.22	1.11	120.23	113.55	6.67	18.014	
300.00	300.00	302.87	302.85	3.44	3.44	1.19	118.96	2.46	119.02	112.13	6.89	17.263	
400.00	399.98	405.58	405.40	3.60	3.60	-152.32	115.19	6.50	117.04	109.83	7.21	16.224	
500.00	499.84	508.11	507.51	3.79	3.81	-150.09	108.93	13.22	115.98	108.35	7.62	15.213	
553.09	552.76	562.46	561.49	3.91	3.94	-148.68	104.60	17.86	115.82	107.94	7.88	14.705	CC
600.00	599.45	610.43	609.03	4.02	4.07	-147.30	100.20	22.58	115.95	107.83	8.11	14.288	ES
700.00	698.70	712.51	709.78	4.29	4.36	-144.01	89.04	34.55	117.11	108.43	8.68	13.491	
800.00	797.47	814.33	809.64	4.59	4.70	-140.35	75.47	49.10	119.63	110.31	9.31	12.844	
900.00	895.62	915.86	908.43	4.93	5.08	-136.44	59.54	66.19	123.63	113.62	10.01	12.347	
1,000.00	993.06	1,016.68	1,005.69	5.31	5.49	-132.51	41.43	85.60	129.28	118.50	10.78	11.995	
1,100.00	1,089.64	1,116.15	1,101.37	5.72	5.93	-129.63	22.89	105.48	137.35	125.75	11.60	11.841	
1,200.00	1,185.27	1,215.53	1,196.97	6.16	6.39	-128.09	4.37	125.35	147.82	135.35	12.47	11.851	
1,300.00	1,279.82	1,314.72	1,292.39	6.64	6.86	-127.71	-14.12	145.17	160.47	147.08	13.39	11.985	
1,400.00	1,373.17	1,413.59	1,387.50	7.15	7.35	-128.22	-32.55	164.94	175.26	160.92	14.34	12.222	
1,500.00	1,465.21	1,512.03	1,482.18	7.70	7.85	-129.41	-50.89	184.61	192.24	176.93	15.32	12.552	
1,600.00	1,555.84	1,609.90	1,576.33	8.30	8.35	-131.06	-69.13	204.17	211.59	195.27	16.31	12.970	
1,651.50	1,601.92	1,660.05	1,624.57	8.62	8.61	-132.02	-78.48	214.19	222.52	205.69	16.83	13.219	
1,700.00	1,645.13	1,707.19	1,669.91	8.93	8.85	-133.07	-87.27	223.62	233.18	215.86	17.32	13.460	
1,800.00	1,734.20	1,804.38	1,763.41	9.58	9.36	-134.96	-105.38	243.04	255.36	237.02	18.34	13.921	
1,900.00	1,823.28	1,901.57	1,856.90	10.25	9.88	-136.54	-123.50	262.47	277.76	258.39	19.37	14.337	
2,000.00	1,912.36	2,001.24	1,950.39	10.94	10.41	-137.89	-141.61	281.89	300.34	279.91	20.43	14.703	
2,100.00	2,001.43	2,104.04	2,043.88	11.63	10.97	-139.05	-159.73	301.32	323.05	301.55	21.50	15.023	
2,200.00	2,090.51	2,206.85	2,137.37	12.34	11.53	-140.06	-177.84	320.74	345.88	323.29	22.59	15.312	
2,300.00	2,179.59	2,309.66	2,230.86	13.05	12.09	-140.95	-195.96	340.17	368.79	345.11	23.68	15.574	
2,400.00	2,268.66	2,387.53	2,324.36	13.76	12.52	-141.73	-214.07	359.60	391.77	367.13	24.65	15.897	
2,500.00	2,357.74	2,484.72	2,417.85	14.49	13.05	-142.42	-232.18	379.02	414.82	389.10	25.72	16.131	
2,600.00	2,446.82	2,581.91	2,511.34	15.21	13.59	-143.04	-250.30	398.45	437.92	411.13	26.79	16.345	
2,700.00	2,535.89	2,679.11	2,604.83	15.95	14.12	-143.60	-268.41	417.87	461.06	433.19	27.87	16.543	
2,800.00	2,624.97	2,776.30	2,698.32	16.68	14.66	-144.11	-286.53	437.30	484.24	455.29	28.95	16.725	
2,900.00	2,714.05	2,873.49	2,791.81	17.42	15.21	-144.56	-304.64	456.72	507.46	477.42	30.04	16.893	
3,000.00	2,803.12	2,970.68	2,885.31	18.16	15.75	-144.98	-322.76	476.15	530.70	499.57	31.13	17.049	
3,100.00	2,892.20	3,067.87	2,978.80	18.90	16.29	-145.37	-340.87	495.58	553.96	521.74	32.22	17.194	
3,200.00	2,981.28	3,165.06	3,072.29	19.65	16.84	-145.72	-358.99	515.00	577.25	543.94	33.31	17.329	
3,300.00	3,070.36	3,262.26	3,165.78	20.40	17.38	-146.05	-377.10	534.43	600.56	566.15	34.41	17.455	
3,400.00	3,159.43	3,359.45	3,259.27	21.14	17.93	-146.35	-395.22	553.85	623.88	588.38	35.50	17.573	
3,500.00	3,248.51	3,456.64	3,352.76	21.89	18.47	-146.63	-413.33	573.28	647.22	610.62	36.60	17.683	
3,600.00	3,337.59	3,553.83	3,446.26	22.65	19.02	-146.89	-431.45	592.70	670.57	632.87	37.70	17.786	
3,700.00	3,426.66	3,651.02	3,539.75	23.40	19.57	-147.13	-449.56	612.13	693.93	655.13	38.80	17.884	
3,800.00	3,515.74	3,748.21	3,633.24	24.15	20.12	-147.36	-467.68	631.56	717.31	677.40	39.91	17.975	
3,900.00	3,604.82	3,845.40	3,726.73	24.91	20.67	-147.57	-485.79	650.98	740.70	699.69	41.01	18.062	
4,000.00	3,693.89	3,942.60	3,820.22	25.66	21.21	-147.77	-503.91	670.41	764.09	721.98	42.11	18.143	
4,100.00	3,782.97	4,039.79	3,913.72	26.42	21.76	-147.96	-522.02	689.83	787.49	744.27	43.22	18.220	
4,200.00	3,872.05	4,136.98	4,007.21	27.18	22.31	-148.14	-540.14	709.26	810.90	766.58	44.33	18.293	
4,300.00	3,961.12	4,234.17	4,100.70	27.94	22.87	-148.30	-558.25	728.68	834.32	788.89	45.44	18.363	
4,400.00	4,050.20	4,331.36	4,194.19	28.69	23.42	-148.46	-576.36	748.11	857.74	811.20	46.54	18.429	
4,500.00	4,139.28	4,428.55	4,287.68	29.45	23.97	-148.61	-594.48	767.53	881.17	833.52	47.65	18.491	
4,600.00	4,228.35	4,525.75	4,381.17	30.21	24.52	-148.75	-612.59	786.96	904.61	855.84	48.76	18.551	
4,700.00	4,317.43	4,622.94	4,474.67	30.97	25.07	-148.89	-630.71	806.39	928.05	878.17	49.87	18.608	
4,800.00	4,406.51	4,720.13	4,568.16	31.73	25.62	-149.01	-648.82	825.81	951.49	900.51	50.99	18.662	
4,900.00	4,495.59	4,817.32	4,661.65	32.50	26.18	-149.14	-666.94	845.24	974.94	922.84	52.10	18.713	

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

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

Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,914.51	4,755.14	33.26	26.73	-149.25	-685.05	864.66	998.39	945.18	53.21	18.763	
5,100.00	4,673.74	5,011.70	4,848.63	34.02	27.28	-149.36	-703.17	884.09	1,021.85	967.53	54.32	18.810	
5,200.00	4,762.82	5,108.89	4,942.12	34.78	27.83	-149.47	-721.28	903.51	1,045.31	989.87	55.44	18.855	
5,300.00	4,851.89	5,206.09	5,035.62	35.54	28.39	-149.57	-739.40	922.94	1,068.77	1,012.22	56.55	18.899	
5,400.00	4,940.97	5,303.28	5,129.11	36.31	28.94	-149.67	-757.51	942.37	1,092.24	1,034.57	57.67	18.940	
5,500.00	5,030.05	5,400.47	5,222.60	37.07	29.49	-149.76	-775.63	961.79	1,115.71	1,056.93	58.78	18.980	
5,600.00	5,119.12	5,502.34	5,316.09	37.83	30.07	-149.85	-793.74	981.22	1,139.18	1,079.26	59.92	19.011	
5,700.00	5,208.20	5,594.85	5,409.58	38.60	30.60	-149.93	-811.86	1,000.64	1,162.65	1,101.64	61.01	19.056	
5,800.00	5,297.28	5,707.96	5,503.07	39.36	31.25	-150.02	-829.97	1,020.07	1,186.13	1,123.91	62.21	19.065	
5,900.00	5,386.35	5,789.24	5,596.57	40.13	31.71	-150.09	-848.09	1,039.49	1,209.61	1,146.36	63.25	19.125	
6,000.00	5,475.43	5,886.43	5,690.06	40.89	32.26	-150.17	-866.20	1,058.92	1,233.09	1,168.73	64.36	19.158	
6,100.00	5,564.51	5,983.62	5,783.55	41.66	32.82	-150.24	-884.32	1,078.35	1,256.57	1,191.09	65.48	19.190	
6,200.00	5,653.58	6,080.81	5,877.04	42.42	33.37	-150.31	-902.43	1,097.77	1,280.06	1,213.46	66.60	19.221	
6,300.00	5,742.66	6,178.00	5,970.53	43.19	33.93	-150.38	-920.54	1,117.20	1,303.54	1,235.83	67.72	19.250	
6,400.00	5,831.74	6,275.19	6,064.02	43.95	34.48	-150.45	-938.66	1,136.62	1,327.03	1,258.20	68.83	19.279	
6,500.00	5,920.82	6,372.38	6,157.52	44.72	35.04	-150.51	-956.77	1,156.05	1,350.52	1,280.57	69.95	19.306	
6,600.00	6,009.89	6,469.58	6,251.01	45.48	35.59	-150.57	-974.89	1,175.47	1,374.01	1,302.94	71.07	19.333	
6,700.00	6,098.97	6,572.03	6,349.75	46.25	36.16	-150.68	-994.01	1,194.91	1,397.44	1,325.22	72.22	19.349	
6,800.00	6,188.05	6,682.96	6,458.37	47.01	36.67	-151.40	-1,014.96	1,201.16	1,420.10	1,346.89	73.22	19.396	
6,900.00	6,277.12	6,785.60	6,558.43	47.78	37.01	-152.73	-1,034.16	1,189.77	1,442.32	1,368.40	73.92	19.512	
7,000.00	6,366.20	6,876.26	6,644.35	48.55	37.26	-154.38	-1,050.56	1,166.20	1,465.09	1,390.66	74.43	19.683	
7,100.00	6,455.28	6,953.93	6,714.72	49.31	37.48	-156.11	-1,063.94	1,136.31	1,489.49	1,414.68	74.81	19.910	
7,197.64	6,542.25	7,017.94	6,769.69	50.06	37.67	-157.73	-1,074.34	1,105.26	1,515.78	1,440.73	75.05	20.197	
7,200.00	6,544.35	7,019.36	6,770.88	50.08	37.67	-158.22	-1,074.56	1,104.51	1,516.45	1,441.40	75.05	20.205	
7,250.00	6,589.22	7,049.18	6,795.35	50.44	37.76	-169.06	-1,079.17	1,088.11	1,531.06	1,455.93	75.13	20.379	
7,300.00	6,634.48	7,078.67	6,818.77	50.77	37.86	179.32	-1,083.58	1,070.76	1,546.27	1,471.08	75.20	20.563	
7,350.00	6,679.86	7,107.88	6,841.18	51.06	37.97	167.45	-1,087.79	1,052.50	1,561.92	1,486.67	75.25	20.758	
7,400.00	6,725.09	7,136.86	6,862.58	51.31	38.07	155.94	-1,091.79	1,033.37	1,577.83	1,502.54	75.29	20.957	
7,450.00	6,769.87	7,165.65	6,882.97	51.52	38.19	145.31	-1,095.60	1,013.41	1,593.85	1,518.51	75.33	21.158	
7,500.00	6,813.94	7,194.30	6,902.35	51.69	38.31	135.82	-1,099.21	992.64	1,609.82	1,534.44	75.38	21.357	
7,550.00	6,857.03	7,222.81	6,920.72	51.84	38.44	127.55	-1,102.62	971.09	1,625.59	1,550.16	75.43	21.550	
7,600.00	6,898.86	7,250.00	6,937.34	51.95	38.57	120.45	-1,105.70	949.80	1,641.03	1,565.54	75.49	21.738	
7,650.00	6,939.19	7,279.57	6,954.38	52.05	38.73	114.31	-1,108.83	925.84	1,656.01	1,580.41	75.60	21.904	
7,700.00	6,977.75	7,307.84	6,969.63	52.13	38.88	109.07	-1,111.63	902.21	1,670.40	1,594.67	75.73	22.056	
7,750.00	7,014.32	7,336.06	6,983.82	52.20	39.05	104.58	-1,114.22	877.96	1,684.10	1,608.19	75.91	22.186	
7,800.00	7,048.67	7,364.24	6,996.92	52.26	39.23	100.72	-1,116.60	853.12	1,696.99	1,620.85	76.14	22.289	
7,850.00	7,080.59	7,392.39	7,008.92	52.33	39.42	97.41	-1,118.76	827.75	1,708.98	1,632.56	76.42	22.362	
7,900.00	7,109.87	7,420.52	7,019.79	52.39	39.63	94.58	-1,120.70	801.88	1,719.99	1,643.21	76.79	22.400	
7,950.00	7,136.35	7,450.00	7,029.98	52.47	39.85	92.17	-1,122.49	774.28	1,729.95	1,652.72	77.23	22.400	
8,000.00	7,159.85	7,476.73	7,038.11	52.55	40.07	90.16	-1,123.91	748.86	1,738.78	1,661.02	77.76	22.362	
8,050.00	7,180.23	7,500.00	7,044.34	52.64	40.26	88.50	-1,124.98	726.46	1,746.43	1,668.08	78.35	22.289	
8,100.00	7,197.37	7,532.91	7,051.77	52.75	40.56	87.13	-1,126.22	694.43	1,752.83	1,673.72	79.10	22.159	
8,150.00	7,211.16	7,560.99	7,056.82	52.88	40.82	86.08	-1,127.03	666.82	1,757.96	1,678.03	79.92	21.995	
8,200.00	7,221.51	7,589.08	7,060.66	53.03	41.10	85.31	-1,127.60	639.00	1,761.78	1,680.94	80.84	21.793	
8,250.00	7,228.37	7,617.17	7,063.30	53.20	41.38	84.81	-1,127.95	611.04	1,764.27	1,682.42	81.85	21.554	
8,300.00	7,231.68	7,650.00	7,064.85	53.40	41.73	84.59	-1,128.05	578.25	1,765.42	1,682.47	82.96	21.281	
8,317.45	7,232.00	7,655.07	7,064.94	53.47	41.78	84.57	-1,128.04	573.19	1,765.49	1,682.14	83.35	21.182	
8,318.13	7,232.00	7,655.45	7,064.94	53.47	41.79	84.57	-1,128.04	572.81	1,765.49	1,682.13	83.36	21.178	
8,400.00	7,232.48	7,732.29	7,065.24	53.86	42.68	84.57	-1,127.64	495.96	1,765.71	1,680.28	85.43	20.669	
8,500.00	7,233.06	7,832.29	7,065.58	54.44	43.98	84.56	-1,127.12	395.96	1,765.99	1,677.78	88.21	20.020	
8,600.00	7,233.64	7,932.29	7,065.93	55.14	45.44	84.55	-1,126.59	295.97	1,766.28	1,675.01	91.26	19.353	
8,700.00	7,234.22	8,032.29	7,066.27	55.99	47.04	84.55	-1,126.07	195.97	1,766.56	1,672.00	94.56	18.681	

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

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

Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	8,132.29	7,066.61	57.00	48.77	84.54	-1,125.54	95.97	1,766.85	1,668.76	98.08	18.014	
8,900.00	7,235.39	8,232.29	7,066.96	58.18	50.62	84.53	-1,125.02	-4.03	1,767.13	1,665.33	101.80	17.359	
9,000.00	7,235.97	8,332.29	7,067.30	59.53	52.56	84.52	-1,124.49	-104.02	1,767.41	1,661.72	105.69	16.722	
9,100.00	7,236.55	8,432.29	7,067.65	61.04	54.59	84.52	-1,123.97	-204.02	1,767.70	1,657.95	109.75	16.107	
9,200.00	7,237.13	8,532.29	7,067.99	62.69	56.70	84.51	-1,123.44	-304.02	1,767.98	1,654.05	113.94	15.517	
9,300.00	7,237.71	8,632.29	7,068.33	64.47	58.88	84.50	-1,122.92	-404.01	1,768.27	1,650.01	118.26	14.953	
9,400.00	7,238.29	8,732.29	7,068.68	66.36	61.11	84.50	-1,122.39	-504.01	1,768.55	1,645.87	122.69	14.415	
9,500.00	7,238.87	8,832.29	7,069.02	68.34	63.40	84.49	-1,121.87	-604.01	1,768.84	1,641.62	127.22	13.904	
9,600.00	7,239.45	8,932.29	7,069.36	70.41	65.74	84.48	-1,121.35	-704.01	1,769.12	1,637.28	131.84	13.419	
9,700.00	7,240.03	9,032.29	7,069.71	72.55	68.11	84.48	-1,120.82	-804.00	1,769.41	1,632.87	136.54	12.959	
9,800.00	7,240.61	9,132.28	7,070.05	74.76	70.53	84.47	-1,120.30	-904.00	1,769.69	1,628.38	141.32	12.523	
9,900.00	7,241.20	9,232.28	7,070.40	77.02	72.98	84.46	-1,119.77	-1,004.00	1,769.98	1,623.82	146.16	12.110	
10,000.00	7,241.78	9,332.28	7,070.74	79.33	75.46	84.46	-1,119.25	-1,104.00	1,770.26	1,619.20	151.06	11.719	
10,100.00	7,242.36	9,432.28	7,071.08	81.68	77.96	84.45	-1,118.72	-1,203.99	1,770.55	1,614.53	156.02	11.349	
10,200.00	7,242.94	9,532.28	7,071.43	84.07	80.49	84.44	-1,118.20	-1,303.99	1,770.83	1,609.81	161.02	10.998	
10,300.00	7,243.52	9,632.28	7,071.77	86.49	83.04	84.44	-1,117.67	-1,403.99	1,771.12	1,605.05	166.07	10.665	
10,400.00	7,244.10	9,732.28	7,072.11	88.95	85.62	84.43	-1,117.15	-1,503.99	1,771.40	1,600.24	171.16	10.350	
10,500.00	7,244.68	9,832.28	7,072.46	91.43	88.21	84.42	-1,116.63	-1,603.98	1,771.69	1,595.40	176.28	10.050	
10,600.00	7,245.26	9,932.28	7,072.80	93.93	90.81	84.42	-1,116.10	-1,703.98	1,771.97	1,590.53	181.44	9.766	
10,700.00	7,245.84	10,032.28	7,073.15	96.46	93.44	84.41	-1,115.58	-1,803.98	1,772.26	1,585.62	186.64	9.496	
10,800.00	7,246.42	10,132.28	7,073.49	99.01	96.07	84.40	-1,115.05	-1,903.98	1,772.54	1,580.69	191.86	9.239	
10,900.00	7,247.01	10,232.28	7,073.83	101.58	98.72	84.40	-1,114.53	-2,003.97	1,772.83	1,575.73	197.10	8.994	
11,000.00	7,247.59	10,332.28	7,074.18	104.16	101.38	84.39	-1,114.00	-2,103.97	1,773.11	1,570.74	202.37	8.762	
11,100.00	7,248.17	10,432.28	7,074.52	106.76	104.05	84.38	-1,113.48	-2,203.97	1,773.40	1,565.73	207.67	8.540	
11,200.00	7,248.75	10,532.28	7,074.86	109.37	106.73	84.37	-1,112.95	-2,303.97	1,773.68	1,560.71	212.98	8.328	
11,300.00	7,249.33	10,632.28	7,075.21	112.00	109.42	84.37	-1,112.43	-2,403.96	1,773.97	1,555.66	218.31	8.126	
11,400.00	7,249.91	10,732.27	7,075.55	114.64	112.12	84.36	-1,111.91	-2,503.96	1,774.25	1,550.59	223.66	7.933	
11,500.00	7,250.49	10,832.27	7,075.89	117.29	114.83	84.35	-1,111.38	-2,603.96	1,774.54	1,545.51	229.03	7.748	
11,600.00	7,251.07	10,932.27	7,076.24	119.95	117.55	84.35	-1,110.86	-2,703.96	1,774.83	1,540.41	234.41	7.571	
11,700.00	7,251.65	11,032.27	7,076.58	122.62	120.27	84.34	-1,110.33	-2,803.95	1,775.11	1,535.30	239.81	7.402	
11,800.00	7,252.23	11,132.27	7,076.93	125.30	123.00	84.33	-1,109.81	-2,903.95	1,775.40	1,530.18	245.22	7.240	
11,900.00	7,252.82	11,232.27	7,077.27	127.98	125.73	84.33	-1,109.28	-3,003.95	1,775.68	1,525.04	250.64	7.085	
12,000.00	7,253.40	11,332.27	7,077.61	130.68	128.47	84.32	-1,108.76	-3,103.94	1,775.97	1,519.89	256.08	6.935	
12,100.00	7,253.98	11,432.27	7,077.96	133.38	131.21	84.31	-1,108.23	-3,203.94	1,776.25	1,514.73	261.52	6.792	
12,200.00	7,254.56	11,532.27	7,078.30	136.09	133.96	84.31	-1,107.71	-3,303.94	1,776.54	1,509.56	266.98	6.654	
12,300.00	7,255.14	11,632.27	7,078.64	138.81	136.72	84.30	-1,107.18	-3,403.94	1,776.82	1,504.38	272.44	6.522	
12,400.00	7,255.72	11,732.27	7,078.99	141.53	139.48	84.29	-1,106.66	-3,503.93	1,777.11	1,499.19	277.92	6.394	
12,500.00	7,256.30	11,832.27	7,079.33	144.26	142.24	84.29	-1,106.14	-3,603.93	1,777.39	1,494.00	283.40	6.272	
12,600.00	7,256.88	11,932.27	7,079.68	146.99	145.01	84.28	-1,105.61	-3,703.93	1,777.68	1,488.79	288.89	6.153	
12,700.00	7,257.46	12,032.27	7,080.02	149.73	147.78	84.27	-1,105.09	-3,803.93	1,777.97	1,483.58	294.39	6.040	
12,800.00	7,258.04	12,132.27	7,080.36	152.47	150.55	84.27	-1,104.56	-3,903.92	1,778.25	1,478.36	299.90	5.930	
12,900.00	7,258.63	12,232.27	7,080.71	155.22	153.33	84.26	-1,104.04	-4,003.92	1,778.54	1,473.13	305.41	5.823	
13,000.00	7,259.21	12,332.26	7,081.05	157.97	156.11	84.25	-1,103.51	-4,103.92	1,778.82	1,467.90	310.93	5.721	
13,100.00	7,259.79	12,432.26	7,081.39	160.72	158.89	84.25	-1,102.99	-4,203.92	1,779.11	1,462.66	316.45	5.622	
13,200.00	7,260.37	12,532.26	7,081.74	163.48	161.68	84.24	-1,102.46	-4,303.91	1,779.39	1,457.41	321.98	5.526	
13,300.00	7,260.95	12,632.26	7,082.08	166.24	164.47	84.23	-1,101.94	-4,403.91	1,779.68	1,452.16	327.52	5.434	
13,400.00	7,261.53	12,732.26	7,082.42	169.01	167.26	84.23	-1,101.42	-4,503.91	1,779.97	1,446.90	333.06	5.344	
13,480.77	7,262.00	12,813.03	7,082.70	171.24	169.51	84.22	-1,100.99	-4,584.68	1,780.20	1,442.66	337.54	5.274	SF

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

Offset Design Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	60.11	0.56	60.12				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	60.11	0.56	60.12	53.55	6.57	9.151	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	60.11	0.56	60.12	53.44	6.67	9.008	
300.00	300.00	301.72	301.69	3.44	3.44	1.53	58.62	1.57	58.66	51.77	6.90	8.508	
400.00	399.98	403.28	403.11	3.60	3.60	-151.20	54.14	4.59	55.95	48.73	7.22	7.752	
500.00	499.84	504.70	504.13	3.79	3.81	-148.04	46.70	9.62	53.62	46.00	7.63	7.031	
600.00	599.45	605.98	604.63	4.02	4.05	-144.10	36.32	16.64	51.80	43.69	8.12	6.381	
700.00	698.70	707.11	704.47	4.29	4.34	-139.40	23.03	25.63	50.61	41.93	8.68	5.832	
800.00	797.47	808.09	803.53	4.59	4.67	-134.06	6.85	36.56	50.16	40.86	9.30	5.392	
802.80	800.22	810.92	806.30	4.60	4.68	-133.90	6.35	36.90	50.16	40.84	9.32	5.382	CC
900.00	895.62	908.91	901.69	4.93	5.04	-128.29	-12.18	49.42	50.59	40.60	9.99	5.064	ES
1,000.00	993.06	1,009.56	998.83	5.31	5.45	-122.35	-34.03	64.19	51.99	41.24	10.75	4.836	
1,100.00	1,089.64	1,110.04	1,094.81	5.72	5.90	-116.53	-58.64	80.82	54.40	42.81	11.59	4.693	
1,200.00	1,185.27	1,210.30	1,189.50	6.16	6.39	-111.08	-85.94	99.28	57.82	45.31	12.51	4.620	
1,300.00	1,279.82	1,310.14	1,283.31	6.64	6.90	-108.06	-114.23	118.40	62.51	49.01	13.50	4.630	
1,400.00	1,373.17	1,409.96	1,377.12	7.15	7.44	-108.25	-142.52	137.52	68.37	53.83	14.53	4.704	
1,500.00	1,465.21	1,509.65	1,470.79	7.70	7.98	-110.90	-170.77	156.61	75.40	59.81	15.59	4.835	
1,600.00	1,555.84	1,609.08	1,564.23	8.30	8.55	-115.22	-198.94	175.65	84.01	67.34	16.67	5.041	
1,651.50	1,601.92	1,660.15	1,612.21	8.62	8.84	-117.86	-213.41	185.43	89.24	72.03	17.22	5.184	
1,700.00	1,645.13	1,708.19	1,657.35	8.93	9.11	-120.39	-227.03	194.64	94.55	76.83	17.73	5.333	
1,800.00	1,734.20	1,807.23	1,750.43	9.58	9.69	-124.78	-255.09	213.61	105.99	87.20	18.79	5.641	
1,900.00	1,823.28	1,906.28	1,843.51	10.25	10.27	-128.30	-283.16	232.58	117.93	98.07	19.85	5.940	
2,000.00	1,912.36	2,005.33	1,936.58	10.94	10.86	-131.17	-311.23	251.55	130.22	109.30	20.92	6.224	
2,100.00	2,001.43	2,104.38	2,029.66	11.63	11.46	-133.54	-339.29	270.52	142.78	120.79	22.00	6.491	
2,200.00	2,090.51	2,203.43	2,122.73	12.34	12.06	-135.53	-367.36	289.49	155.55	132.47	23.08	6.740	
2,300.00	2,179.59	2,302.48	2,215.81	13.05	12.66	-137.21	-395.43	308.46	168.47	144.30	24.16	6.972	
2,400.00	2,268.66	2,401.53	2,308.89	13.76	13.26	-138.66	-423.49	327.43	181.51	156.25	25.25	7.187	
2,500.00	2,357.74	2,500.58	2,401.96	14.49	13.87	-139.90	-451.56	346.40	194.65	168.30	26.35	7.387	
2,600.00	2,446.82	2,599.63	2,495.04	15.21	14.48	-141.00	-479.63	365.37	207.87	180.42	27.45	7.572	
2,700.00	2,535.89	2,701.32	2,588.11	15.95	15.11	-141.96	-507.70	384.34	221.16	192.58	28.57	7.740	
2,800.00	2,624.97	2,802.27	2,681.19	16.68	15.73	-142.81	-535.76	403.31	234.50	204.80	29.69	7.898	
2,900.00	2,714.05	2,896.78	2,774.27	17.42	16.32	-143.57	-563.83	422.28	247.88	217.10	30.78	8.054	
3,000.00	2,803.12	3,004.17	2,867.34	18.16	16.99	-144.25	-591.90	441.25	261.31	229.36	31.94	8.181	
3,100.00	2,892.20	3,094.88	2,960.42	18.90	17.56	-144.87	-619.96	460.22	274.76	241.75	33.01	8.322	
3,200.00	2,981.28	3,206.07	3,053.49	19.65	18.25	-145.42	-648.03	479.20	288.25	254.04	34.21	8.427	
3,300.00	3,070.36	3,307.02	3,146.57	20.40	18.89	-145.93	-676.10	498.17	301.76	266.42	35.34	8.539	
3,400.00	3,159.43	3,392.02	3,239.64	21.14	19.42	-146.40	-704.16	517.14	315.29	278.90	36.39	8.664	
3,500.00	3,248.51	3,508.93	3,332.72	21.89	20.15	-146.82	-732.23	536.11	328.84	291.22	37.62	8.741	
3,600.00	3,337.59	3,609.88	3,425.80	22.65	20.79	-147.22	-760.30	555.08	342.40	303.64	38.76	8.834	
3,700.00	3,426.66	3,689.17	3,518.87	23.40	21.29	-147.58	-788.37	574.05	355.98	316.20	39.78	8.948	
3,800.00	3,515.74	3,788.22	3,611.95	24.15	21.91	-147.91	-816.43	593.02	369.58	328.66	40.92	9.032	
3,900.00	3,604.82	3,887.27	3,705.02	24.91	22.54	-148.23	-844.50	611.99	383.18	341.13	42.05	9.112	
4,000.00	3,693.89	3,986.32	3,798.10	25.66	23.16	-148.52	-872.57	630.96	396.80	353.61	43.19	9.187	
4,100.00	3,782.97	4,085.37	3,891.18	26.42	23.79	-148.79	-900.63	649.93	410.42	366.09	44.33	9.259	
4,200.00	3,872.05	4,184.42	3,984.25	27.18	24.42	-149.04	-928.70	668.90	424.06	378.59	45.47	9.326	
4,300.00	3,961.12	4,283.47	4,077.33	27.94	25.04	-149.28	-956.77	687.87	437.70	391.09	46.61	9.391	
4,400.00	4,050.20	4,382.52	4,170.40	28.69	25.67	-149.50	-984.83	706.84	451.34	403.59	47.75	9.452	
4,500.00	4,139.28	4,481.57	4,263.48	29.45	26.30	-149.71	-1,012.90	725.81	465.00	416.10	48.90	9.510	
4,600.00	4,228.35	4,580.62	4,356.56	30.21	26.93	-149.91	-1,040.97	744.78	478.66	428.62	50.04	9.566	
4,700.00	4,317.43	4,679.67	4,449.63	30.97	27.56	-150.10	-1,069.04	763.76	492.32	441.14	51.18	9.619	
4,800.00	4,406.51	4,778.72	4,542.71	31.73	28.18	-150.28	-1,097.10	782.73	505.99	453.66	52.33	9.669	
4,900.00	4,495.59	4,877.76	4,635.78	32.50	28.81	-150.45	-1,125.17	801.70	519.67	466.19	53.48	9.718	

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

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

Offset Design Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,976.81	4,728.86	33.26	29.44	-150.61	-1,153.24	820.67	533.35	478.72	54.62	9.764	
5,100.00	4,673.74	5,075.86	4,821.94	34.02	30.07	-150.76	-1,181.30	839.64	547.03	491.26	55.77	9.808	
5,200.00	4,762.82	5,174.91	4,915.01	34.78	30.70	-150.90	-1,209.37	858.61	560.72	503.80	56.92	9.851	
5,300.00	4,851.89	5,273.96	5,008.09	35.54	31.33	-151.04	-1,237.44	877.58	574.41	516.34	58.07	9.892	
5,400.00	4,940.97	5,373.01	5,101.16	36.31	31.96	-151.17	-1,265.50	896.55	588.10	528.88	59.22	9.931	
5,500.00	5,030.05	5,472.06	5,194.24	37.07	32.59	-151.29	-1,293.57	915.52	601.80	541.43	60.37	9.969	
5,600.00	5,119.12	5,571.11	5,287.32	37.83	33.22	-151.41	-1,321.64	934.49	615.49	553.97	61.52	10.005	
5,700.00	5,208.20	5,670.16	5,380.39	38.60	33.85	-151.53	-1,349.71	953.46	629.20	566.52	62.67	10.040	
5,800.00	5,297.28	5,769.21	5,473.47	39.36	34.49	-151.64	-1,377.77	972.43	642.90	579.08	63.82	10.073	
5,900.00	5,386.35	5,868.26	5,566.54	40.13	35.12	-151.74	-1,405.84	991.40	656.60	591.63	64.97	10.106	
6,000.00	5,475.43	5,967.31	5,659.62	40.89	35.75	-151.84	-1,433.91	1,010.37	670.31	604.19	66.13	10.137	
6,100.00	5,564.51	6,066.36	5,752.70	41.66	36.38	-151.94	-1,461.97	1,029.34	684.02	616.74	67.28	10.167	
6,200.00	5,653.58	6,165.41	5,845.77	42.42	37.01	-152.03	-1,490.04	1,048.32	697.73	629.30	68.43	10.196	
6,300.00	5,742.66	6,264.46	5,938.85	43.19	37.64	-152.12	-1,518.11	1,067.29	711.45	641.86	69.59	10.224	
6,400.00	5,831.74	6,363.51	6,031.92	43.95	38.27	-152.21	-1,546.17	1,086.26	725.16	654.42	70.74	10.251	
6,500.00	5,920.82	6,462.55	6,125.00	44.72	38.91	-152.29	-1,574.24	1,105.23	738.88	666.98	71.89	10.277	
6,600.00	6,009.89	6,561.60	6,218.08	45.48	39.54	-152.37	-1,602.31	1,124.20	752.59	679.55	73.05	10.303	
6,700.00	6,098.97	6,660.65	6,311.15	46.25	40.17	-152.45	-1,630.38	1,143.17	766.31	692.11	74.20	10.327	
6,800.00	6,188.05	6,759.70	6,404.23	47.01	40.80	-152.52	-1,658.44	1,162.14	780.03	704.68	75.36	10.351	
6,900.00	6,277.12	6,858.75	6,497.30	47.78	41.43	-152.59	-1,686.51	1,181.11	793.76	717.24	76.51	10.374	
7,000.00	6,366.20	6,965.24	6,598.33	48.55	42.05	-153.17	-1,717.04	1,194.45	807.06	729.51	77.56	10.406	
7,100.00	6,455.28	7,067.60	6,696.08	49.31	42.51	-154.87	-1,746.74	1,190.63	819.80	741.60	78.20	10.484	
7,197.64	6,542.25	7,158.37	6,781.28	50.06	42.80	-157.25	-1,772.76	1,173.58	832.93	754.38	78.55	10.604	
7,200.00	6,544.35	7,160.44	6,783.19	50.08	42.80	-157.72	-1,773.35	1,173.04	833.27	754.71	78.55	10.608	
7,250.00	6,589.22	7,203.53	6,822.57	50.44	42.92	-168.38	-1,785.42	1,160.42	840.75	762.07	78.68	10.686	
7,300.00	6,634.48	7,245.53	6,860.08	50.77	43.02	-179.76	-1,796.94	1,145.46	848.73	769.93	78.81	10.770	
7,350.00	6,679.86	7,286.56	6,895.73	51.06	43.11	168.64	-1,807.92	1,128.37	857.11	778.19	78.92	10.860	
7,400.00	6,725.09	7,326.75	6,929.54	51.31	43.19	157.44	-1,818.36	1,109.35	865.78	786.75	79.04	10.954	
7,450.00	6,769.87	7,366.18	6,961.53	51.52	43.28	147.13	-1,828.27	1,088.55	874.64	795.50	79.14	11.052	
7,500.00	6,813.94	7,404.95	6,991.72	51.69	43.36	137.98	-1,837.64	1,066.11	883.57	804.34	79.23	11.151	
7,550.00	6,857.03	7,443.13	7,020.12	51.84	43.44	130.04	-1,846.49	1,042.18	892.48	813.16	79.33	11.251	
7,600.00	6,898.86	7,480.79	7,046.73	51.95	43.53	123.24	-1,854.80	1,016.87	901.27	821.85	79.42	11.348	
7,650.00	6,939.19	7,517.99	7,071.55	52.05	43.62	117.45	-1,862.59	990.29	909.85	830.32	79.52	11.441	
7,700.00	6,977.75	7,554.79	7,094.61	52.13	43.71	112.51	-1,869.85	962.55	918.12	838.47	79.65	11.528	
7,750.00	7,014.32	7,591.23	7,115.88	52.20	43.82	108.30	-1,876.58	933.74	926.01	846.21	79.80	11.604	
7,800.00	7,048.67	7,627.35	7,135.38	52.26	43.93	104.71	-1,882.78	903.98	933.43	853.43	80.00	11.668	
7,850.00	7,080.59	7,663.20	7,153.10	52.33	44.04	101.64	-1,888.44	873.34	940.33	860.07	80.26	11.716	
7,900.00	7,109.87	7,700.00	7,169.54	52.39	44.18	99.02	-1,893.74	840.85	946.64	866.04	80.60	11.745	
7,950.00	7,136.35	7,734.21	7,183.18	52.47	44.32	96.83	-1,898.17	809.80	952.29	871.27	81.02	11.753	
8,000.00	7,159.85	7,769.43	7,195.54	52.55	44.47	94.98	-1,902.23	777.07	957.25	875.70	81.55	11.738	
8,050.00	7,180.23	7,804.50	7,206.11	52.64	44.64	93.46	-1,905.75	743.82	961.47	879.29	82.19	11.699	
8,100.00	7,197.37	7,839.44	7,214.87	52.75	44.82	92.23	-1,908.73	710.13	964.92	881.98	82.94	11.633	
8,150.00	7,211.16	7,874.29	7,221.84	52.88	45.02	91.29	-1,911.17	676.09	967.56	883.74	83.82	11.543	
8,200.00	7,221.51	7,909.05	7,227.00	53.03	45.23	90.61	-1,913.06	641.76	969.37	884.55	84.82	11.429	
8,250.00	7,228.37	7,943.76	7,230.36	53.20	45.46	90.18	-1,914.41	607.25	970.34	884.41	85.93	11.292	
8,300.00	7,231.68	7,978.43	7,231.91	53.40	45.70	90.00	-1,915.21	572.63	970.45	883.31	87.15	11.136	
8,317.45	7,232.00	7,992.76	7,232.06	53.47	45.80	90.00	-1,915.39	558.30	970.28	882.71	87.57	11.079	
8,400.00	7,232.48	8,075.29	7,232.73	53.86	46.49	90.01	-1,916.37	475.77	969.09	879.44	89.64	10.810	
8,500.00	7,233.06	8,175.28	7,233.54	54.44	47.47	90.02	-1,917.56	375.79	967.63	875.24	92.40	10.473	
8,600.00	7,233.64	8,275.27	7,234.34	55.14	48.64	90.04	-1,918.75	275.81	966.18	870.77	95.41	10.126	
8,700.00	7,234.22	8,375.26	7,235.15	55.99	49.97	90.05	-1,919.94	175.84	964.73	866.06	98.67	9.778	
8,800.00	7,234.80	8,475.25	7,235.96	57.00	51.47	90.06	-1,921.14	75.86	963.28	861.13	102.14	9.431	

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

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

Offset Design Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,575.24	7,236.77	58.18	53.12	90.08	-1,922.33	-24.12	961.82	856.01	105.81	9.090	
9,000.00	7,235.97	8,675.23	7,237.57	59.53	54.89	90.09	-1,923.52	-124.10	960.37	850.72	109.65	8.758	
9,100.00	7,236.55	8,775.22	7,238.38	61.04	56.76	90.10	-1,924.71	-224.08	958.92	845.26	113.65	8.437	
9,200.00	7,237.13	8,875.21	7,239.19	62.69	58.74	90.12	-1,925.90	-324.06	957.47	839.67	117.80	8.128	
9,300.00	7,237.71	8,975.20	7,240.00	64.47	60.80	90.13	-1,927.09	-424.04	956.01	833.95	122.07	7.832	
9,400.00	7,238.29	9,075.19	7,240.81	66.36	62.93	90.15	-1,928.28	-524.02	954.56	828.11	126.45	7.549	
9,500.00	7,238.87	9,175.18	7,241.61	68.34	65.12	90.16	-1,929.48	-623.99	953.11	822.17	130.94	7.279	
9,600.00	7,239.45	9,275.16	7,242.42	70.41	67.37	90.17	-1,930.67	-723.97	951.66	816.14	135.52	7.022	
9,700.00	7,240.03	9,375.15	7,243.23	72.55	69.67	90.19	-1,931.86	-823.95	950.21	810.02	140.19	6.778	
9,800.00	7,240.61	9,475.14	7,244.04	74.76	72.01	90.20	-1,933.05	-923.93	948.75	803.83	144.93	6.546	
9,900.00	7,241.20	9,575.13	7,244.84	77.02	74.40	90.22	-1,934.24	-1,023.91	947.30	797.57	149.73	6.327	
10,000.00	7,241.78	9,675.12	7,245.65	79.33	76.81	90.23	-1,935.43	-1,123.89	945.85	791.24	154.60	6.118	
10,100.00	7,242.36	9,775.11	7,246.46	81.68	79.26	90.24	-1,936.62	-1,223.87	944.40	784.87	159.53	5.920	
10,200.00	7,242.94	9,875.10	7,247.27	84.07	81.74	90.26	-1,937.82	-1,323.85	942.95	778.44	164.51	5.732	
10,300.00	7,243.52	9,975.09	7,248.07	86.49	84.24	90.27	-1,939.01	-1,423.83	941.49	771.96	169.53	5.553	
10,400.00	7,244.10	10,075.08	7,248.88	88.95	86.77	90.29	-1,940.20	-1,523.80	940.04	765.44	174.60	5.384	
10,500.00	7,244.68	10,175.07	7,249.69	91.43	89.32	90.30	-1,941.39	-1,623.78	938.59	758.88	179.71	5.223	
10,600.00	7,245.26	10,275.06	7,250.50	93.93	91.88	90.32	-1,942.58	-1,723.76	937.14	752.29	184.85	5.070	
10,700.00	7,245.84	10,375.05	7,251.31	96.46	94.46	90.33	-1,943.77	-1,823.74	935.69	745.66	190.03	4.924	
10,800.00	7,246.42	10,475.04	7,252.11	99.01	97.06	90.34	-1,944.96	-1,923.72	934.24	739.01	195.23	4.785	
10,900.00	7,247.01	10,575.02	7,252.92	101.58	99.68	90.36	-1,946.16	-2,023.70	932.79	732.32	200.47	4.653	
11,000.00	7,247.59	10,675.01	7,253.73	104.16	102.30	90.37	-1,947.35	-2,123.68	931.33	725.61	205.72	4.527	
11,100.00	7,248.17	10,775.00	7,254.54	106.76	104.94	90.39	-1,948.54	-2,223.66	929.88	718.88	211.01	4.407	
11,200.00	7,248.75	10,874.99	7,255.34	109.37	107.60	90.40	-1,949.73	-2,323.63	928.43	712.12	216.31	4.292	
11,300.00	7,249.33	10,974.98	7,256.15	112.00	110.26	90.42	-1,950.92	-2,423.61	926.98	705.34	221.64	4.182	
11,400.00	7,249.91	11,074.97	7,256.96	114.64	112.93	90.43	-1,952.11	-2,523.59	925.53	698.55	226.98	4.078	
11,500.00	7,250.49	11,174.96	7,257.77	117.29	115.61	90.45	-1,953.30	-2,623.57	924.08	691.73	232.35	3.977	
11,600.00	7,251.07	11,274.95	7,258.57	119.95	118.30	90.46	-1,954.50	-2,723.55	922.63	684.90	237.73	3.881	
11,700.00	7,251.65	11,374.94	7,259.38	122.62	120.99	90.48	-1,955.69	-2,823.53	921.18	678.06	243.12	3.789	
11,800.00	7,252.23	11,474.93	7,260.19	125.30	123.70	90.49	-1,956.88	-2,923.51	919.73	671.20	248.53	3.701	
11,900.00	7,252.82	11,574.92	7,261.00	127.98	126.41	90.51	-1,958.07	-3,023.49	918.28	664.32	253.95	3.616	
12,000.00	7,253.40	11,674.91	7,261.81	130.68	129.13	90.52	-1,959.26	-3,123.47	916.83	657.44	259.39	3.535	
12,100.00	7,253.98	11,774.89	7,262.61	133.38	131.85	90.54	-1,960.45	-3,223.44	915.38	650.54	264.84	3.456	
12,200.00	7,254.56	11,874.88	7,263.42	136.09	134.58	90.55	-1,961.64	-3,323.42	913.92	643.63	270.29	3.381	
12,300.00	7,255.14	11,974.87	7,264.23	138.81	137.31	90.57	-1,962.83	-3,423.40	912.47	636.71	275.76	3.309	
12,400.00	7,255.72	12,074.86	7,265.04	141.53	140.05	90.58	-1,964.03	-3,523.38	911.02	629.78	281.24	3.239	
12,500.00	7,256.30	12,174.85	7,265.84	144.26	142.80	90.60	-1,965.22	-3,623.36	909.57	622.84	286.73	3.172	
12,600.00	7,256.88	12,274.84	7,266.65	146.99	145.54	90.61	-1,966.41	-3,723.34	908.12	615.90	292.23	3.108	
12,700.00	7,257.46	12,374.83	7,267.46	149.73	148.30	90.63	-1,967.60	-3,823.32	906.67	608.94	297.73	3.045	
12,800.00	7,258.04	12,474.82	7,268.27	152.47	151.05	90.64	-1,968.79	-3,923.30	905.22	601.98	303.25	2.985	
12,900.00	7,258.63	12,574.81	7,269.08	155.22	153.81	90.66	-1,969.98	-4,023.28	903.77	595.01	308.77	2.927	
13,000.00	7,259.21	12,674.80	7,269.88	157.97	156.58	90.67	-1,971.17	-4,123.25	902.32	588.03	314.29	2.871	
13,100.00	7,259.79	12,774.79	7,270.69	160.72	159.34	90.69	-1,972.37	-4,223.23	900.87	581.04	319.83	2.817	
13,200.00	7,260.37	12,874.78	7,271.50	163.48	162.11	90.70	-1,973.56	-4,323.21	899.42	574.05	325.37	2.764	
13,300.00	7,260.95	12,974.76	7,272.31	166.24	164.88	90.72	-1,974.75	-4,423.19	897.97	567.06	330.92	2.714	
13,400.00	7,261.53	13,074.75	7,273.11	169.01	167.66	90.74	-1,975.94	-4,523.17	896.52	560.06	336.47	2.665	
13,480.77	7,262.00	13,155.52	7,273.77	171.24	169.90	90.75	-1,976.90	-4,603.92	895.35	554.40	340.96	2.626	SF

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

Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.42	75.05	0.56	75.05				
100.00	100.00	100.00	100.00	3.28	3.28	0.42	75.05	0.56	75.05	68.48	6.57	11.424	
200.00	200.00	200.00	200.00	3.34	3.34	0.42	75.05	0.56	75.05	68.38	6.67	11.245	
300.00	300.00	302.12	302.10	3.44	3.44	1.26	73.57	1.62	73.62	66.72	6.90	10.676	
400.00	399.98	404.08	403.91	3.60	3.60	-151.87	69.14	4.79	70.95	63.73	7.22	9.830	
500.00	499.84	505.91	505.33	3.79	3.81	-149.25	61.79	10.07	68.71	61.08	7.63	9.006	
600.00	599.45	607.58	606.20	4.02	4.06	-145.97	51.53	17.43	66.99	58.87	8.12	8.247	
700.00	698.70	709.09	706.41	4.29	4.35	-142.07	38.39	26.85	65.90	57.22	8.69	7.586	
790.04	787.66	800.35	795.96	4.56	4.65	-138.10	24.12	37.09	65.57	56.32	9.25	7.089	CC
800.00	797.47	810.43	805.82	4.59	4.68	-137.63	22.40	38.32	65.57	56.26	9.31	7.039	
900.00	895.62	911.60	904.31	4.93	5.06	-132.80	3.60	51.80	66.11	56.11	10.01	6.608	ES
1,000.00	993.06	1,012.59	1,001.74	5.31	5.47	-127.74	-17.97	67.28	67.63	56.86	10.77	6.282	
1,100.00	1,089.64	1,113.39	1,097.99	5.72	5.92	-122.66	-42.28	84.71	70.18	58.58	11.60	6.050	
1,200.00	1,185.27	1,213.83	1,192.83	6.16	6.41	-117.82	-69.14	103.98	73.83	61.32	12.51	5.900	
1,300.00	1,279.82	1,313.62	1,286.70	6.64	6.92	-115.02	-96.65	123.71	79.12	65.63	13.49	5.864	
1,400.00	1,373.17	1,413.38	1,380.54	7.15	7.46	-114.68	-124.15	143.43	85.97	71.45	14.51	5.923	
1,500.00	1,465.21	1,512.98	1,474.24	7.70	8.00	-116.29	-151.61	163.13	94.31	78.74	15.57	6.058	
1,600.00	1,555.84	1,612.32	1,567.69	8.30	8.56	-119.27	-178.99	182.77	104.39	87.75	16.64	6.275	
1,651.50	1,601.92	1,663.33	1,615.68	8.62	8.85	-121.18	-193.05	192.85	110.38	93.20	17.19	6.422	
1,700.00	1,645.13	1,711.32	1,660.82	8.93	9.13	-123.06	-206.28	202.34	116.37	98.67	17.71	6.573	
1,800.00	1,734.20	1,810.26	1,753.89	9.58	9.71	-126.38	-233.55	221.90	129.06	110.28	18.78	6.873	
1,900.00	1,823.28	1,909.20	1,846.96	10.25	10.29	-129.10	-260.83	241.46	142.10	122.24	19.86	7.155	
2,000.00	1,912.36	2,008.14	1,940.04	10.94	10.88	-131.36	-288.10	261.02	155.41	134.46	20.95	7.419	
2,100.00	2,001.43	2,107.08	2,033.11	11.63	11.47	-133.26	-315.37	280.59	168.91	146.87	22.04	7.664	
2,200.00	2,090.51	2,206.02	2,126.18	12.34	12.06	-134.88	-342.65	300.15	182.57	159.43	23.14	7.890	
2,300.00	2,179.59	2,304.96	2,219.26	13.05	12.66	-136.28	-369.92	319.71	196.36	172.11	24.24	8.099	
2,400.00	2,268.66	2,403.90	2,312.33	13.76	13.27	-137.49	-397.19	339.27	210.24	184.89	25.35	8.292	
2,500.00	2,357.74	2,502.84	2,405.40	14.49	13.87	-138.55	-424.47	358.83	224.21	197.74	26.47	8.471	
2,600.00	2,446.82	2,601.78	2,498.48	15.21	14.48	-139.49	-451.74	378.40	238.24	210.65	27.59	8.636	
2,700.00	2,535.89	2,700.72	2,591.55	15.95	15.09	-140.32	-479.01	397.96	252.32	223.61	28.71	8.789	
2,800.00	2,624.97	2,799.66	2,684.62	16.68	15.70	-141.07	-506.29	417.52	266.46	236.62	29.84	8.931	
2,900.00	2,714.05	2,901.40	2,777.69	17.42	16.34	-141.73	-533.56	437.08	280.63	249.65	30.98	9.058	
3,000.00	2,803.12	3,002.46	2,870.77	18.16	16.96	-142.34	-560.83	456.64	294.84	262.71	32.12	9.178	
3,100.00	2,892.20	3,096.48	2,963.84	18.90	17.55	-142.89	-588.11	476.20	309.08	275.84	33.23	9.301	
3,200.00	2,981.28	3,204.58	3,056.91	19.65	18.22	-143.39	-615.38	495.77	323.34	288.92	34.42	9.394	
3,300.00	3,070.36	3,305.64	3,149.99	20.40	18.86	-143.85	-642.66	515.33	337.62	302.05	35.57	9.491	
3,400.00	3,159.43	3,406.70	3,243.06	21.14	19.49	-144.27	-669.93	534.89	351.93	315.20	36.73	9.583	
3,500.00	3,248.51	3,507.76	3,336.13	21.89	20.12	-144.66	-697.20	554.45	366.25	328.37	37.88	9.668	
3,600.00	3,337.59	3,591.18	3,429.21	22.65	20.65	-145.02	-724.48	574.01	380.58	341.65	38.94	9.774	
3,700.00	3,426.66	3,709.89	3,522.28	23.40	21.39	-145.35	-751.75	593.58	394.93	354.74	40.20	9.825	
3,800.00	3,515.74	3,789.06	3,615.35	24.15	21.89	-145.66	-779.02	613.14	409.29	368.06	41.23	9.927	
3,900.00	3,604.82	3,887.99	3,708.43	24.91	22.51	-145.95	-806.30	632.70	423.67	381.29	42.38	9.997	
4,000.00	3,693.89	3,986.93	3,801.50	25.66	23.14	-146.22	-833.57	652.26	438.05	394.52	43.53	10.063	
4,100.00	3,782.97	4,085.87	3,894.57	26.42	23.76	-146.47	-860.84	671.82	452.44	407.76	44.68	10.126	
4,200.00	3,872.05	4,184.81	3,987.64	27.18	24.39	-146.71	-888.12	691.39	466.84	421.00	45.84	10.185	
4,300.00	3,961.12	4,283.75	4,080.72	27.94	25.01	-146.93	-915.39	710.95	481.25	434.26	46.99	10.242	
4,400.00	4,050.20	4,382.69	4,173.79	28.69	25.64	-147.14	-942.66	730.51	495.66	447.52	48.14	10.295	
4,500.00	4,139.28	4,481.63	4,266.86	29.45	26.26	-147.34	-969.94	750.07	510.08	460.78	49.30	10.346	
4,600.00	4,228.35	4,580.57	4,359.94	30.21	26.89	-147.53	-997.21	769.63	524.51	474.05	50.46	10.395	
4,700.00	4,317.43	4,679.51	4,453.01	30.97	27.52	-147.70	-1,024.48	789.19	538.94	487.32	51.61	10.442	
4,800.00	4,406.51	4,778.45	4,546.08	31.73	28.14	-147.87	-1,051.76	808.76	553.37	500.60	52.77	10.486	
4,900.00	4,495.59	4,877.39	4,639.16	32.50	28.77	-148.03	-1,079.03	828.32	567.81	513.88	53.93	10.529	

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

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

Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,976.33	4,732.23	33.26	29.40	-148.18	-1,106.30	847.88	582.26	527.17	55.09	10.569	
5,100.00	4,673.74	5,075.27	4,825.30	34.02	30.02	-148.33	-1,133.58	867.44	596.71	540.46	56.25	10.608	
5,200.00	4,762.82	5,174.21	4,918.38	34.78	30.65	-148.47	-1,160.85	887.00	611.16	553.75	57.41	10.646	
5,300.00	4,851.89	5,273.15	5,011.45	35.54	31.28	-148.60	-1,188.12	906.57	625.61	567.04	58.57	10.681	
5,400.00	4,940.97	5,372.09	5,104.52	36.31	31.91	-148.72	-1,215.40	926.13	640.07	580.34	59.73	10.716	
5,500.00	5,030.05	5,471.03	5,197.60	37.07	32.54	-148.84	-1,242.67	945.69	654.53	593.64	60.89	10.749	
5,600.00	5,119.12	5,569.97	5,290.67	37.83	33.17	-148.96	-1,269.94	965.25	668.99	606.94	62.06	10.781	
5,700.00	5,208.20	5,668.91	5,383.74	38.60	33.79	-149.06	-1,297.22	984.81	683.46	620.24	63.22	10.811	
5,800.00	5,297.28	5,767.85	5,476.81	39.36	34.42	-149.17	-1,324.49	1,004.37	697.93	633.55	64.38	10.841	
5,900.00	5,386.35	5,866.79	5,569.89	40.13	35.05	-149.27	-1,351.76	1,023.94	712.40	646.85	65.54	10.869	
6,000.00	5,475.43	5,965.73	5,662.96	40.89	35.68	-149.37	-1,379.04	1,043.50	726.87	660.16	66.71	10.896	
6,100.00	5,564.51	6,064.67	5,756.03	41.66	36.31	-149.46	-1,406.31	1,063.06	741.34	673.47	67.87	10.923	
6,200.00	5,653.58	6,163.61	5,849.11	42.42	36.94	-149.55	-1,433.58	1,082.62	755.82	686.78	69.04	10.948	
6,300.00	5,742.66	6,262.55	5,942.18	43.19	37.57	-149.64	-1,460.86	1,102.18	770.30	700.10	70.20	10.973	
6,400.00	5,831.74	6,361.49	6,035.25	43.95	38.20	-149.72	-1,488.13	1,121.75	784.78	713.41	71.37	10.996	
6,500.00	5,920.82	6,460.43	6,128.33	44.72	38.83	-149.80	-1,515.40	1,141.31	799.26	726.73	72.53	11.019	
6,600.00	6,009.89	6,559.37	6,221.40	45.48	39.46	-149.88	-1,542.68	1,160.87	813.74	740.04	73.70	11.042	
6,700.00	6,098.97	6,658.31	6,314.47	46.25	40.09	-149.95	-1,569.95	1,180.43	828.22	753.36	74.86	11.063	
6,800.00	6,188.05	6,768.43	6,419.01	47.01	40.73	-150.47	-1,600.55	1,195.76	842.17	766.20	75.97	11.086	
6,900.00	6,277.12	6,876.04	6,522.15	47.78	41.20	-152.17	-1,630.66	1,192.69	854.95	778.32	76.63	11.157	
7,000.00	6,366.20	6,973.28	6,613.75	48.55	41.51	-154.65	-1,657.34	1,174.39	867.92	790.92	76.99	11.273	
7,100.00	6,455.28	7,057.78	6,690.40	49.31	41.72	-157.46	-1,679.60	1,146.85	882.88	805.71	77.17	11.441	
7,197.64	6,542.25	7,127.94	6,750.94	50.06	41.87	-160.20	-1,697.15	1,116.12	901.09	823.92	77.17	11.676	
7,200.00	6,544.35	7,129.50	6,752.25	50.08	41.88	-160.69	-1,697.52	1,115.36	901.58	824.42	77.17	11.683	
7,250.00	6,589.22	7,162.12	6,779.17	50.44	41.95	-171.71	-1,705.31	1,098.68	912.60	835.50	77.10	11.837	
7,300.00	6,634.48	7,194.16	6,804.79	50.77	42.02	176.51	-1,712.72	1,080.92	924.50	847.49	77.00	12.006	
7,350.00	6,679.86	7,225.71	6,829.14	51.06	42.09	164.50	-1,719.75	1,062.14	937.06	860.18	76.88	12.189	
7,400.00	6,725.09	7,256.84	6,852.27	51.31	42.17	152.88	-1,726.41	1,042.40	950.11	873.39	76.73	12.383	
7,450.00	6,769.87	7,287.61	6,874.20	51.52	42.24	142.15	-1,732.72	1,021.76	963.47	886.92	76.55	12.586	
7,500.00	6,813.94	7,318.08	6,894.93	51.69	42.32	132.59	-1,738.68	1,000.26	976.96	900.59	76.36	12.794	
7,550.00	6,857.03	7,350.00	6,915.58	51.84	42.41	124.22	-1,744.61	976.65	990.42	914.24	76.17	13.002	
7,600.00	6,898.86	7,378.24	6,932.89	51.95	42.50	117.10	-1,749.56	954.89	1,003.69	927.72	75.97	13.212	
7,650.00	6,939.19	7,408.01	6,950.10	52.05	42.60	110.95	-1,754.49	931.11	1,016.65	940.86	75.79	13.414	
7,700.00	6,977.75	7,437.61	6,966.15	52.13	42.70	105.70	-1,759.06	906.66	1,029.15	953.51	75.64	13.605	
7,750.00	7,014.32	7,467.07	6,981.01	52.20	42.81	101.19	-1,763.29	881.59	1,041.09	965.54	75.55	13.780	
7,800.00	7,048.67	7,500.00	6,996.30	52.26	42.95	97.28	-1,767.63	852.75	1,052.37	976.83	75.54	13.931	
7,850.00	7,080.59	7,525.61	7,007.18	52.33	43.06	94.04	-1,770.70	829.77	1,062.86	987.28	75.57	14.064	
7,900.00	7,109.87	7,550.00	7,016.72	52.39	43.17	91.27	-1,773.39	807.49	1,072.52	996.81	75.70	14.168	
7,950.00	7,136.35	7,583.79	7,028.56	52.47	43.35	88.83	-1,776.70	776.02	1,081.21	1,005.21	76.00	14.227	
8,000.00	7,159.85	7,612.77	7,037.42	52.55	43.51	86.83	-1,779.17	748.54	1,088.93	1,012.54	76.40	14.254	
8,050.00	7,180.23	7,641.70	7,045.07	52.64	43.68	85.18	-1,781.28	720.72	1,095.60	1,018.67	76.93	14.241	
8,100.00	7,197.37	7,670.58	7,051.49	52.75	43.86	83.84	-1,783.02	692.62	1,101.17	1,023.55	77.62	14.187	
8,150.00	7,211.16	7,700.00	7,056.76	52.88	44.05	82.81	-1,784.43	663.71	1,105.60	1,027.16	78.44	14.094	
8,200.00	7,221.51	7,728.26	7,060.61	53.03	44.25	82.06	-1,785.43	635.74	1,108.86	1,029.44	79.43	13.961	
8,250.00	7,228.37	7,750.00	7,062.76	53.20	44.41	81.59	-1,785.96	614.11	1,110.97	1,030.39	80.58	13.787	
8,300.00	7,231.68	7,785.87	7,064.75	53.40	44.70	81.37	-1,786.38	578.30	1,111.80	1,030.02	81.79	13.594	
8,317.45	7,232.00	7,805.32	7,064.95	53.47	44.86	81.36	-1,786.41	570.78	1,111.82	1,029.40	82.42	13.490	
8,400.00	7,232.48	7,875.94	7,065.63	53.86	45.50	81.37	-1,786.24	488.24	1,111.74	1,027.42	84.33	13.184	
8,500.00	7,233.06	7,975.94	7,066.46	54.44	46.56	81.38	-1,786.03	388.24	1,111.65	1,024.58	87.07	12.767	
8,600.00	7,233.64	8,075.94	7,067.29	55.14	47.79	81.39	-1,785.82	288.25	1,111.57	1,021.47	90.10	12.337	
8,700.00	7,234.22	8,175.94	7,068.11	55.99	49.19	81.40	-1,785.61	188.25	1,111.48	1,018.11	93.37	11.904	
8,800.00	7,234.80	8,275.94	7,068.94	57.00	50.75	81.42	-1,785.40	88.25	1,111.39	1,014.53	96.86	11.474	

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

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

Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,375.94	7,069.76	58.18	52.44	81.43	-1,785.19	-11.74	1,111.30	1,010.75	100.55	11.052	
9,000.00	7,235.97	8,475.94	7,070.59	59.53	54.26	81.44	-1,784.98	-111.74	1,111.21	1,006.80	104.42	10.642	
9,100.00	7,236.55	8,575.94	7,071.42	61.04	56.17	81.45	-1,784.77	-211.73	1,111.13	1,002.68	108.45	10.246	
9,200.00	7,237.13	8,675.94	7,072.24	62.69	58.18	81.46	-1,784.56	-311.73	1,111.04	998.42	112.61	9.866	
9,300.00	7,237.71	8,775.94	7,073.07	64.47	60.27	81.48	-1,784.35	-411.73	1,110.95	994.04	116.91	9.503	
9,400.00	7,238.29	8,875.94	7,073.89	66.36	62.43	81.49	-1,784.14	-511.72	1,110.86	989.54	121.32	9.156	
9,500.00	7,238.87	8,975.94	7,074.72	68.34	64.66	81.50	-1,783.94	-611.72	1,110.77	984.94	125.83	8.828	
9,600.00	7,239.45	9,075.94	7,075.55	70.41	66.93	81.51	-1,783.73	-711.71	1,110.69	980.25	130.43	8.515	
9,700.00	7,240.03	9,175.94	7,076.37	72.55	69.25	81.53	-1,783.52	-811.71	1,110.60	975.48	135.12	8.220	
9,800.00	7,240.61	9,275.94	7,077.20	74.76	71.62	81.54	-1,783.31	-911.71	1,110.51	970.64	139.87	7.939	
9,900.00	7,241.20	9,375.94	7,078.02	77.02	74.02	81.55	-1,783.10	-1,011.70	1,110.42	965.73	144.70	7.674	
10,000.00	7,241.78	9,475.94	7,078.85	79.33	76.46	81.56	-1,782.89	-1,111.70	1,110.34	960.76	149.58	7.423	
10,100.00	7,242.36	9,575.94	7,079.67	81.68	78.93	81.57	-1,782.68	-1,211.69	1,110.25	955.73	154.52	7.185	
10,200.00	7,242.94	9,675.94	7,080.50	84.07	81.43	81.59	-1,782.47	-1,311.69	1,110.16	950.66	159.50	6.960	
10,300.00	7,243.52	9,775.94	7,081.33	86.49	83.95	81.60	-1,782.26	-1,411.69	1,110.08	945.54	164.54	6.747	
10,400.00	7,244.10	9,875.94	7,082.15	88.95	86.49	81.61	-1,782.05	-1,511.68	1,109.99	940.38	169.61	6.544	
10,500.00	7,244.68	9,975.94	7,082.98	91.43	89.05	81.62	-1,781.84	-1,611.68	1,109.90	935.18	174.72	6.352	
10,600.00	7,245.26	10,075.93	7,083.80	93.93	91.63	81.63	-1,781.63	-1,711.67	1,109.81	929.95	179.86	6.170	
10,700.00	7,245.84	10,175.93	7,084.63	96.46	94.23	81.65	-1,781.43	-1,811.67	1,109.73	924.69	185.04	5.997	
10,800.00	7,246.42	10,275.93	7,085.46	99.01	96.84	81.66	-1,781.22	-1,911.67	1,109.64	919.40	190.24	5.833	
10,900.00	7,247.01	10,375.93	7,086.28	101.58	99.47	81.67	-1,781.01	-2,011.66	1,109.55	914.08	195.47	5.676	
11,000.00	7,247.59	10,475.93	7,087.11	104.16	102.11	81.68	-1,780.80	-2,111.66	1,109.47	908.73	200.73	5.527	
11,100.00	7,248.17	10,575.93	7,087.93	106.76	104.76	81.69	-1,780.59	-2,211.65	1,109.38	903.37	206.01	5.385	
11,200.00	7,248.75	10,675.93	7,088.76	109.37	107.43	81.71	-1,780.38	-2,311.65	1,109.29	897.98	211.31	5.250	
11,300.00	7,249.33	10,775.93	7,089.59	112.00	110.10	81.72	-1,780.17	-2,411.65	1,109.20	892.58	216.63	5.120	
11,400.00	7,249.91	10,875.93	7,090.41	114.64	112.78	81.73	-1,779.96	-2,511.64	1,109.12	887.15	221.96	4.997	
11,500.00	7,250.49	10,975.93	7,091.24	117.29	115.48	81.74	-1,779.75	-2,611.64	1,109.03	881.71	227.32	4.879	
11,600.00	7,251.07	11,075.93	7,092.06	119.95	118.18	81.76	-1,779.54	-2,711.64	1,108.94	876.26	232.69	4.766	
11,700.00	7,251.65	11,175.93	7,092.89	122.62	120.88	81.77	-1,779.33	-2,811.63	1,108.86	870.79	238.07	4.658	
11,800.00	7,252.23	11,275.93	7,093.71	125.30	123.60	81.78	-1,779.12	-2,911.63	1,108.77	865.30	243.47	4.554	
11,900.00	7,252.82	11,375.93	7,094.54	127.98	126.32	81.79	-1,778.92	-3,011.62	1,108.69	859.81	248.88	4.455	
12,000.00	7,253.40	11,475.93	7,095.37	130.68	129.05	81.80	-1,778.71	-3,111.62	1,108.60	854.30	254.30	4.359	
12,100.00	7,253.98	11,575.93	7,096.19	133.38	131.78	81.82	-1,778.50	-3,211.62	1,108.51	848.78	259.74	4.268	
12,200.00	7,254.56	11,675.93	7,097.02	136.09	134.52	81.83	-1,778.29	-3,311.61	1,108.43	843.25	265.18	4.180	
12,300.00	7,255.14	11,775.93	7,097.84	138.81	137.26	81.84	-1,778.08	-3,411.61	1,108.34	837.71	270.63	4.095	
12,400.00	7,255.72	11,875.93	7,098.67	141.53	140.01	81.85	-1,777.87	-3,511.60	1,108.25	832.16	276.10	4.014	
12,500.00	7,256.30	11,975.93	7,099.50	144.26	142.76	81.86	-1,777.66	-3,611.60	1,108.17	826.60	281.57	3.936	
12,600.00	7,256.88	12,075.93	7,100.32	146.99	145.52	81.88	-1,777.45	-3,711.60	1,108.08	821.03	287.05	3.860	
12,700.00	7,257.46	12,175.93	7,101.15	149.73	148.28	81.89	-1,777.24	-3,811.59	1,108.00	815.45	292.54	3.787	
12,800.00	7,258.04	12,275.93	7,101.97	152.47	151.05	81.90	-1,777.03	-3,911.59	1,107.91	809.87	298.04	3.717	
12,900.00	7,258.63	12,375.93	7,102.80	155.22	153.82	81.91	-1,776.82	-4,011.58	1,107.82	804.28	303.54	3.650	
13,000.00	7,259.21	12,475.93	7,103.63	157.97	156.59	81.93	-1,776.61	-4,111.58	1,107.74	798.68	309.05	3.584	
13,100.00	7,259.79	12,575.93	7,104.45	160.72	159.36	81.94	-1,776.41	-4,211.58	1,107.65	793.08	314.57	3.521	
13,200.00	7,260.37	12,675.93	7,105.28	163.48	162.14	81.95	-1,776.20	-4,311.57	1,107.57	787.47	320.09	3.460	
13,300.00	7,260.95	12,775.93	7,106.10	166.24	164.92	81.96	-1,775.99	-4,411.57	1,107.48	781.86	325.62	3.401	
13,400.00	7,261.53	12,875.93	7,106.93	169.01	167.71	81.97	-1,775.78	-4,511.56	1,107.39	776.24	331.16	3.344	
13,480.77	7,262.00	12,956.70	7,107.60	171.24	169.96	81.98	-1,775.61	-4,592.33	1,107.32	771.69	335.63	3.299	SF

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

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	1.07	14.94	0.28	14.94				
100.00	100.00	100.00	100.00	3.28	3.28	1.07	14.94	0.28	14.94	8.37	6.57	2.274	
200.00	200.00	200.00	200.00	3.34	3.34	1.07	14.94	0.28	14.94	8.27	6.67	2.238	
300.00	300.00	300.00	300.00	3.44	3.44	1.07	14.94	0.28	14.94	8.05	6.89	2.168	CC
400.00	399.98	400.46	400.44	3.60	3.60	-153.87	13.36	1.06	14.95	7.75	7.20	2.077	
500.00	499.84	500.93	500.76	3.79	3.79	-153.32	8.63	3.42	15.00	7.40	7.60	1.974	
600.00	599.45	601.39	600.83	4.02	4.03	-152.40	0.76	7.35	15.08	7.00	8.08	1.866	
700.00	698.70	701.85	700.53	4.29	4.30	-151.14	-10.24	12.84	15.20	6.56	8.64	1.759	
800.00	797.47	802.31	799.74	4.59	4.60	-149.55	-24.37	19.88	15.36	6.11	9.26	1.660	
900.00	895.62	902.76	898.32	4.93	4.94	-147.66	-41.60	28.48	15.58	5.65	9.93	1.569	
1,000.00	993.06	1,003.21	996.17	5.31	5.32	-145.50	-61.91	38.61	15.85	5.21	10.65	1.489	Level 3
1,100.00	1,089.64	1,103.65	1,093.15	5.72	5.73	-143.11	-85.28	50.26	16.20	4.78	11.42	1.419	Level 3
1,200.00	1,185.27	1,204.09	1,189.16	6.16	6.18	-140.54	-111.67	63.43	16.62	4.38	12.24	1.358	Level 3
1,300.00	1,279.82	1,304.52	1,284.07	6.64	6.66	-137.82	-141.05	78.09	17.12	4.01	13.11	1.306	Level 3
1,400.00	1,373.17	1,404.95	1,377.76	7.15	7.18	-135.02	-173.40	94.22	17.72	3.66	14.05	1.261	Level 3
1,500.00	1,465.21	1,505.37	1,470.12	7.70	7.74	-132.17	-208.65	111.80	18.41	3.34	15.07	1.222	Level 2
1,600.00	1,555.84	1,605.78	1,561.03	8.30	8.34	-129.33	-246.78	130.82	19.21	3.04	16.17	1.188	Level 2
1,651.50	1,601.92	1,657.30	1,607.24	8.62	8.66	-128.67	-267.18	141.00	19.86	3.10	16.76	1.185	Level 2
1,700.00	1,645.13	1,705.80	1,650.72	8.93	8.97	-129.02	-286.39	150.58	20.75	3.44	17.31	1.199	Level 2
1,800.00	1,734.20	1,805.78	1,740.38	9.58	9.62	-129.66	-325.99	170.33	22.57	4.11	18.46	1.222	Level 2
1,900.00	1,823.28	1,905.76	1,830.04	10.25	10.29	-130.20	-365.59	190.08	24.40	4.75	19.64	1.242	Level 2
2,000.00	1,912.36	2,005.74	1,919.69	10.94	10.96	-130.66	-405.19	209.84	26.23	5.38	20.84	1.258	Level 3
2,100.00	2,001.43	2,105.73	2,009.35	11.63	11.65	-131.07	-444.79	229.59	28.06	6.00	22.06	1.272	Level 3
2,200.00	2,090.51	2,205.71	2,099.01	12.34	12.34	-131.42	-484.39	249.34	29.89	6.60	23.29	1.283	Level 3
2,300.00	2,179.59	2,305.69	2,188.66	13.05	13.05	-131.73	-523.99	269.09	31.72	7.19	24.53	1.293	Level 3
2,400.00	2,268.66	2,405.68	2,278.32	13.76	13.75	-132.01	-563.59	288.85	33.55	7.77	25.78	1.301	Level 3
2,500.00	2,357.74	2,505.66	2,367.98	14.49	14.47	-132.26	-603.19	308.60	35.39	8.34	27.04	1.309	Level 3
2,600.00	2,446.82	2,605.64	2,457.63	15.21	15.19	-132.49	-642.79	328.35	37.22	8.91	28.31	1.315	Level 3
2,700.00	2,535.89	2,705.63	2,547.29	15.95	15.91	-132.69	-682.39	348.10	39.06	9.47	29.59	1.320	Level 3
2,800.00	2,624.97	2,805.61	2,636.95	16.68	16.63	-132.88	-721.99	367.86	40.89	10.03	30.87	1.325	Level 3
2,900.00	2,714.05	2,905.59	2,726.60	17.42	17.36	-133.05	-761.59	387.61	42.73	10.58	32.15	1.329	Level 3
3,000.00	2,803.12	3,005.58	2,816.26	18.16	18.09	-133.21	-801.19	407.36	44.57	11.12	33.44	1.333	Level 3
3,100.00	2,892.20	3,105.56	2,905.92	18.90	18.82	-133.35	-840.79	427.11	46.40	11.67	34.74	1.336	Level 3
3,200.00	2,981.28	3,205.54	2,995.57	19.65	19.56	-133.48	-880.39	446.86	48.24	12.20	36.04	1.339	Level 3
3,300.00	3,070.36	3,305.52	3,085.23	20.40	20.29	-133.61	-919.99	466.62	50.08	12.74	37.34	1.341	Level 3
3,400.00	3,159.43	3,405.51	3,174.89	21.14	21.03	-133.72	-959.59	486.37	51.92	13.27	38.64	1.344	Level 3
3,500.00	3,248.51	3,505.49	3,264.54	21.89	21.77	-133.83	-999.19	506.12	53.75	13.81	39.95	1.346	Level 3
3,600.00	3,337.59	3,605.47	3,354.20	22.65	22.51	-133.93	-1,038.78	525.87	55.59	14.33	41.26	1.347	Level 3
3,700.00	3,426.66	3,705.46	3,443.86	23.40	23.25	-134.02	-1,078.38	545.63	57.43	14.86	42.57	1.349	Level 3
3,800.00	3,515.74	3,805.44	3,533.51	24.15	23.99	-134.11	-1,117.98	565.38	59.27	15.39	43.88	1.351	Level 3
3,900.00	3,604.82	3,905.42	3,623.17	24.91	24.74	-134.19	-1,157.58	585.13	61.11	15.91	45.20	1.352	Level 3
4,000.00	3,693.89	4,005.41	3,712.83	25.66	25.48	-134.27	-1,197.18	604.88	62.94	16.43	46.51	1.353	Level 3
4,100.00	3,782.97	4,105.39	3,802.48	26.42	26.22	-134.34	-1,236.78	624.64	64.78	16.95	47.83	1.354	Level 3
4,200.00	3,872.05	4,205.37	3,892.14	27.18	26.97	-134.41	-1,276.38	644.39	66.62	17.47	49.15	1.356	Level 3
4,300.00	3,961.12	4,305.36	3,981.80	27.94	27.72	-134.47	-1,315.98	664.14	68.46	17.99	50.47	1.357	Level 3
4,400.00	4,050.20	4,405.34	4,071.45	28.69	28.46	-134.54	-1,355.58	683.89	70.30	18.51	51.79	1.357	Level 3
4,500.00	4,139.28	4,505.32	4,161.11	29.45	29.21	-134.60	-1,395.18	703.65	72.14	19.03	53.11	1.358	Level 3
4,600.00	4,228.35	4,605.30	4,250.77	30.21	29.96	-134.65	-1,434.78	723.40	73.98	19.54	54.44	1.359	Level 3
4,700.00	4,317.43	4,705.29	4,340.42	30.97	30.71	-134.70	-1,474.38	743.15	75.82	20.06	55.76	1.360	Level 3
4,800.00	4,406.51	4,805.27	4,430.08	31.73	31.46	-134.75	-1,513.98	762.90	77.66	20.57	57.09	1.360	Level 3
4,900.00	4,495.59	4,905.25	4,519.74	32.50	32.21	-134.80	-1,553.58	782.65	79.50	21.08	58.41	1.361	Level 3
5,000.00	4,584.66	5,005.24	4,609.39	33.26	32.96	-134.85	-1,593.18	802.41	81.33	21.60	59.74	1.362	Level 3

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

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

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	5,105.22	4,699.05	34.02	33.71	-134.89	-1,632.78	822.16	83.17	22.11	61.07	1.362	Level 3
5,200.00	4,762.82	5,205.20	4,788.71	34.78	34.46	-134.93	-1,672.38	841.91	85.01	22.62	62.39	1.363	Level 3
5,300.00	4,851.89	5,305.19	4,878.36	35.54	35.21	-134.97	-1,711.98	861.66	86.85	23.13	63.72	1.363	Level 3
5,400.00	4,940.97	5,405.17	4,968.02	36.31	35.96	-135.01	-1,751.58	881.42	88.69	23.64	65.05	1.363	Level 3
5,500.00	5,030.05	5,505.15	5,057.68	37.07	36.71	-135.05	-1,791.18	901.17	90.53	24.15	66.38	1.364	Level 3
5,600.00	5,119.12	5,605.14	5,147.33	37.83	37.46	-135.09	-1,830.78	920.92	92.37	24.66	67.71	1.364	Level 3
5,700.00	5,208.20	5,705.12	5,236.99	38.60	38.22	-135.12	-1,870.38	940.67	94.21	25.17	69.04	1.365	Level 3
5,800.00	5,297.28	5,805.10	5,326.65	39.36	38.97	-135.15	-1,909.98	960.43	96.05	25.68	70.37	1.365	Level 3
5,900.00	5,386.35	5,905.08	5,416.30	40.13	39.72	-135.18	-1,949.58	980.18	97.89	26.18	71.71	1.365	Level 3
6,000.00	5,475.43	6,005.07	5,505.96	40.89	40.47	-135.22	-1,989.18	999.93	99.73	26.69	73.04	1.365	Level 3
6,100.00	5,564.51	6,105.05	5,595.62	41.66	41.23	-135.24	-2,028.78	1,019.68	101.57	27.20	74.37	1.366	Level 3
6,200.00	5,653.58	6,205.03	5,685.27	42.42	41.98	-135.27	-2,068.38	1,039.44	103.41	27.71	75.70	1.366	Level 3
6,300.00	5,742.66	6,305.02	5,774.93	43.19	42.73	-135.30	-2,107.98	1,059.19	105.25	28.21	77.04	1.366	Level 3
6,400.00	5,831.74	6,405.00	5,864.59	43.95	43.49	-135.33	-2,147.58	1,078.94	107.09	28.72	78.37	1.366	Level 3
6,500.00	5,920.82	6,504.98	5,954.24	44.72	44.24	-135.35	-2,187.18	1,098.69	108.93	29.22	79.70	1.367	Level 3
6,600.00	6,009.89	6,604.97	6,043.90	45.48	44.99	-135.38	-2,226.78	1,118.44	110.77	29.73	81.04	1.367	Level 3
6,700.00	6,098.97	6,704.95	6,133.56	46.25	45.75	-135.40	-2,266.38	1,138.20	112.61	30.24	82.37	1.367	Level 3
6,800.00	6,188.05	6,804.93	6,223.21	47.01	46.50	-135.42	-2,305.98	1,157.95	114.45	30.74	83.71	1.367	Level 3
6,900.00	6,277.12	6,904.91	6,312.87	47.78	47.26	-135.45	-2,345.58	1,177.70	116.29	31.25	85.04	1.367	Level 3
7,000.00	6,366.20	7,007.42	6,404.97	48.55	48.02	-135.97	-2,386.25	1,196.86	117.75	31.60	86.15	1.367	Level 3
7,100.00	6,455.28	7,112.50	6,500.86	49.31	48.67	-142.87	-2,428.52	1,202.88	115.25	30.49	84.75	1.360	Level 3
7,183.19	6,529.38	7,194.68	6,575.72	49.95	49.07	-154.35	-2,461.47	1,195.52	113.13	31.03	82.10	1.378	Level 3
7,197.64	6,542.25	7,208.29	6,588.01	50.06	49.12	-156.76	-2,466.87	1,193.28	113.24	31.62	81.62	1.387	Level 3
7,200.00	6,544.35	7,210.49	6,589.99	50.08	49.13	-157.55	-2,467.74	1,192.90	113.28	31.73	81.54	1.389	Level 3
7,250.00	6,589.22	7,256.54	6,631.17	50.44	49.29	-174.64	-2,485.83	1,183.06	115.56	35.31	80.24	1.440	Level 3
7,300.00	6,634.48	7,301.47	6,670.63	50.77	49.43	168.03	-2,503.14	1,170.36	120.38	41.01	79.37	1.517	
7,350.00	6,679.86	7,345.41	6,708.33	51.06	49.53	151.22	-2,519.67	1,155.02	127.29	48.70	78.58	1.620	
7,400.00	6,725.09	7,388.44	6,744.24	51.31	49.62	135.62	-2,535.40	1,137.29	135.76	58.17	77.58	1.750	
7,450.00	6,769.87	7,430.66	6,778.32	51.52	49.70	121.69	-2,550.31	1,117.36	145.31	69.11	76.20	1.907	
7,500.00	6,813.94	7,472.13	6,810.57	51.69	49.77	109.64	-2,564.40	1,095.42	155.54	81.15	74.39	2.091	
7,550.00	6,857.03	7,512.95	6,840.96	51.84	49.83	99.42	-2,577.67	1,071.64	166.11	93.93	72.17	2.301	
7,600.00	6,898.86	7,553.17	6,869.49	51.95	49.89	90.84	-2,590.10	1,046.17	176.74	107.12	69.63	2.538	
7,650.00	6,939.19	7,592.86	6,896.15	52.05	49.94	83.67	-2,601.70	1,019.17	187.24	120.41	66.83	2.802	
7,700.00	6,977.75	7,632.07	6,920.93	52.13	50.00	77.69	-2,612.47	990.76	197.42	133.54	63.88	3.091	
7,750.00	7,014.32	7,670.85	6,943.82	52.20	50.06	72.70	-2,622.40	961.08	207.16	146.29	60.87	3.403	
7,800.00	7,048.67	7,709.25	6,964.82	52.26	50.12	68.52	-2,631.49	930.25	216.35	158.44	57.92	3.736	
7,850.00	7,080.59	7,747.31	6,983.92	52.33	50.19	65.02	-2,639.73	898.38	224.91	169.79	55.12	4.081	
7,900.00	7,109.87	7,785.08	7,001.11	52.39	50.27	62.11	-2,647.14	865.58	232.76	180.16	52.60	4.425	
7,950.00	7,136.35	7,822.59	7,016.41	52.47	50.36	59.68	-2,653.70	831.97	239.84	189.36	50.48	4.751	
8,000.00	7,159.85	7,859.88	7,029.79	52.55	50.45	57.67	-2,659.41	797.65	246.11	197.22	48.88	5.035	
8,050.00	7,180.23	7,896.98	7,041.26	52.64	50.56	56.04	-2,664.28	762.70	251.52	203.62	47.91	5.250	
8,100.00	7,197.37	7,933.93	7,050.81	52.75	50.67	54.74	-2,668.31	727.25	256.05	208.41	47.65	5.374	
8,150.00	7,211.16	7,970.75	7,058.44	52.88	50.80	53.73	-2,671.48	691.37	259.68	211.55	48.12	5.396	
8,200.00	7,221.51	8,007.47	7,064.15	53.03	50.95	53.01	-2,673.81	655.17	262.37	213.04	49.33	5.318	
8,250.00	7,228.37	8,044.13	7,067.94	53.20	51.10	52.54	-2,675.28	618.74	264.12	212.89	51.23	5.156	
8,300.00	7,231.68	8,080.76	7,069.80	53.40	51.27	52.32	-2,675.91	582.18	264.92	211.19	53.73	4.931	
8,317.45	7,232.00	8,094.17	7,070.00	53.47	51.34	52.31	-2,675.93	568.76	264.97	210.34	54.63	4.850	
8,318.10	7,232.00	8,094.39	7,070.00	53.47	51.34	52.31	-2,675.93	568.98	264.97	210.20	54.77	4.838	
8,400.00	7,232.48	8,175.85	7,070.42	53.86	51.79	52.30	-2,675.69	487.08	265.02	208.45	56.57	4.685	
8,500.00	7,233.06	8,275.85	7,070.95	54.44	52.46	52.30	-2,675.40	387.09	265.08	206.06	59.02	4.491	
8,600.00	7,233.64	8,375.85	7,071.47	55.14	53.28	52.29	-2,675.11	287.09	265.14	203.41	61.73	4.295	
8,700.00	7,234.22	8,475.85	7,071.99	55.99	54.25	52.28	-2,674.81	187.09	265.20	200.53	64.67	4.101	

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

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	8,575.85	7,072.52	57.00	55.39	52.28	-2,674.52	87.09	265.26	197.46	67.80	3.913	
8,900.00	7,235.39	8,675.85	7,073.04	58.18	56.70	52.27	-2,674.23	-12.91	265.32	194.22	71.10	3.732	
9,000.00	7,235.97	8,775.85	7,073.56	59.53	58.18	52.27	-2,673.93	-112.91	265.38	190.83	74.55	3.560	
9,100.00	7,236.55	8,875.85	7,074.09	61.04	59.80	52.26	-2,673.64	-212.90	265.44	187.32	78.12	3.398	
9,200.00	7,237.13	8,975.85	7,074.61	62.69	61.55	52.26	-2,673.35	-312.90	265.50	183.69	81.81	3.245	
9,300.00	7,237.71	9,075.85	7,075.13	64.47	63.42	52.25	-2,673.06	-412.90	265.56	179.97	85.60	3.103	
9,400.00	7,238.29	9,175.85	7,075.65	66.36	65.39	52.24	-2,672.76	-512.90	265.62	176.16	89.46	2.969	
9,500.00	7,238.87	9,275.85	7,076.18	68.34	67.44	52.24	-2,672.47	-612.90	265.68	172.28	93.41	2.844	
9,600.00	7,239.45	9,375.85	7,076.70	70.41	69.57	52.23	-2,672.18	-712.89	265.74	168.33	97.41	2.728	
9,700.00	7,240.03	9,475.85	7,077.22	72.55	71.77	52.23	-2,671.89	-812.89	265.80	164.33	101.48	2.619	
9,800.00	7,240.61	9,575.85	7,077.75	74.76	74.02	52.22	-2,671.59	-912.89	265.86	160.27	105.59	2.518	
9,900.00	7,241.20	9,675.85	7,078.27	77.02	76.32	52.22	-2,671.30	-1,012.89	265.92	156.17	109.75	2.423	
10,000.00	7,241.78	9,775.85	7,078.79	79.33	78.67	52.21	-2,671.01	-1,112.89	265.98	152.04	113.95	2.334	
10,100.00	7,242.36	9,875.85	7,079.32	81.68	81.05	52.20	-2,670.71	-1,212.89	266.04	147.86	118.18	2.251	
10,200.00	7,242.94	9,975.85	7,079.84	84.07	83.48	52.20	-2,670.42	-1,312.88	266.11	143.66	122.45	2.173	
10,300.00	7,243.52	10,075.85	7,080.36	86.49	85.93	52.19	-2,670.13	-1,412.88	266.17	139.43	126.74	2.100	
10,400.00	7,244.10	10,175.85	7,080.89	88.95	88.41	52.19	-2,669.84	-1,512.88	266.23	135.17	131.06	2.031	
10,500.00	7,244.68	10,275.85	7,081.41	91.43	90.91	52.18	-2,669.54	-1,612.88	266.29	130.89	135.40	1.967	
10,600.00	7,245.26	10,375.85	7,081.93	93.93	93.44	52.18	-2,669.25	-1,712.88	266.35	126.58	139.76	1.906	
10,700.00	7,245.84	10,475.85	7,082.45	96.46	95.99	52.17	-2,668.96	-1,812.87	266.41	122.26	144.14	1.848	
10,800.00	7,246.42	10,575.85	7,082.98	99.01	98.56	52.17	-2,668.67	-1,912.87	266.47	117.92	148.54	1.794	
10,900.00	7,247.01	10,675.85	7,083.50	101.58	101.15	52.16	-2,668.37	-2,012.87	266.53	113.57	152.96	1.743	
11,000.00	7,247.59	10,775.85	7,084.02	104.16	103.75	52.15	-2,668.08	-2,112.87	266.59	109.20	157.39	1.694	
11,100.00	7,248.17	10,875.85	7,084.55	106.76	106.36	52.15	-2,667.79	-2,212.87	266.65	104.82	161.83	1.648	
11,200.00	7,248.75	10,975.85	7,085.07	109.37	108.99	52.14	-2,667.49	-2,312.87	266.71	100.43	166.28	1.604	
11,300.00	7,249.33	11,075.85	7,085.59	112.00	111.63	52.14	-2,667.20	-2,412.86	266.77	96.03	170.74	1.562	
11,400.00	7,249.91	11,175.85	7,086.12	114.64	114.29	52.13	-2,666.91	-2,512.86	266.83	91.61	175.22	1.523	
11,500.00	7,250.49	11,275.85	7,086.64	117.29	116.95	52.13	-2,666.62	-2,612.86	266.89	87.19	179.70	1.485	Level 3
11,600.00	7,251.07	11,375.85	7,087.16	119.95	119.62	52.12	-2,666.32	-2,712.86	266.95	82.76	184.19	1.449	Level 3
11,700.00	7,251.65	11,475.85	7,087.69	122.62	122.30	52.11	-2,666.03	-2,812.86	267.01	78.32	188.69	1.415	Level 3
11,800.00	7,252.23	11,575.85	7,088.21	125.30	124.99	52.11	-2,665.74	-2,912.85	267.07	73.87	193.20	1.382	Level 3
11,900.00	7,252.82	11,675.85	7,088.73	127.98	127.69	52.10	-2,665.45	-3,012.85	267.13	69.42	197.71	1.351	Level 3
12,000.00	7,253.40	11,775.85	7,089.25	130.68	130.40	52.10	-2,665.15	-3,112.85	267.19	64.96	202.23	1.321	Level 3
12,100.00	7,253.98	11,875.85	7,089.78	133.38	133.11	52.09	-2,664.86	-3,212.85	267.25	60.49	206.76	1.293	Level 3
12,200.00	7,254.56	11,975.85	7,090.30	136.09	135.83	52.09	-2,664.57	-3,312.85	267.31	56.02	211.29	1.265	Level 3
12,300.00	7,255.14	12,075.85	7,090.82	138.81	138.55	52.08	-2,664.27	-3,412.85	267.37	51.55	215.83	1.239	Level 2
12,400.00	7,255.72	12,175.85	7,091.35	141.53	141.28	52.07	-2,663.98	-3,512.84	267.44	47.07	220.37	1.214	Level 2
12,500.00	7,256.30	12,275.85	7,091.87	144.26	144.02	52.07	-2,663.69	-3,612.84	267.50	42.58	224.91	1.189	Level 2
12,600.00	7,256.88	12,375.85	7,092.39	146.99	146.76	52.06	-2,663.40	-3,712.84	267.56	38.09	229.46	1.166	Level 2
12,700.00	7,257.46	12,475.85	7,092.92	149.73	149.50	52.06	-2,663.10	-3,812.84	267.62	33.60	234.02	1.144	Level 2
12,800.00	7,258.04	12,575.85	7,093.44	152.47	152.25	52.05	-2,662.81	-3,912.84	267.68	29.10	238.57	1.122	Level 2
12,900.00	7,258.63	12,675.85	7,093.96	155.22	155.01	52.05	-2,662.52	-4,012.83	267.74	24.60	243.13	1.101	Level 2
13,000.00	7,259.21	12,775.85	7,094.49	157.97	157.77	52.04	-2,662.23	-4,112.83	267.80	20.10	247.70	1.081	Level 2
13,100.00	7,259.79	12,875.85	7,095.01	160.72	160.53	52.03	-2,661.93	-4,212.83	267.86	15.60	252.26	1.062	Level 2
13,200.00	7,260.37	12,975.85	7,095.53	163.48	163.29	52.03	-2,661.64	-4,312.83	267.92	11.09	256.83	1.043	Level 2
13,300.00	7,260.95	13,075.85	7,096.05	166.24	166.06	52.02	-2,661.35	-4,412.83	267.98	6.58	261.40	1.025	Level 2
13,400.00	7,261.53	13,175.85	7,096.58	169.01	168.83	52.02	-2,661.05	-4,512.83	268.04	2.07	265.97	1.008	Level 2
13,480.77	7,262.00	13,256.62	7,097.00	171.24	171.07	52.01	-2,660.82	-4,593.60	268.09	-1.58	269.67	0.994	Level 1, ES, SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.50	255.01	2.22	255.02				
100.00	100.00	100.00	100.00	3.28	3.28	0.50	255.01	2.22	255.02	248.45	6.57	38.819	
200.00	200.00	200.00	200.00	3.34	3.34	0.50	255.01	2.22	255.02	248.35	6.67	38.211	CC, ES
300.00	300.00	296.35	296.33	3.44	3.44	0.83	255.68	3.70	255.73	248.85	6.89	37.140	
400.00	399.98	392.46	392.31	3.60	3.59	-153.45	257.68	8.11	259.49	252.29	7.19	36.084	
500.00	499.84	488.02	487.54	3.79	3.78	-152.31	261.00	15.39	267.90	260.31	7.58	35.323	
600.00	599.45	582.72	581.59	4.02	4.01	-150.94	265.57	25.46	281.01	272.95	8.06	34.875	
700.00	698.70	676.26	674.07	4.29	4.27	-149.44	271.35	38.18	298.84	290.24	8.60	34.754	
800.00	797.47	768.34	764.62	4.59	4.56	-147.88	278.26	53.38	321.35	312.16	9.19	34.950	
900.00	895.62	860.98	855.18	4.93	4.88	-146.32	286.32	71.12	348.38	338.55	9.83	35.425	
1,000.00	993.06	956.14	948.10	5.31	5.23	-145.09	294.83	89.85	378.61	368.09	10.52	35.974	
1,100.00	1,089.64	1,050.49	1,040.22	5.72	5.60	-144.24	303.27	108.41	411.61	400.36	11.25	36.592	
1,200.00	1,185.27	1,143.91	1,131.42	6.16	5.98	-143.68	311.62	126.79	447.28	435.27	12.00	37.261	
1,300.00	1,279.82	1,236.27	1,221.61	6.64	6.37	-143.36	319.88	144.96	485.56	472.77	12.79	37.975	
1,400.00	1,373.17	1,327.48	1,310.66	7.15	6.76	-143.22	328.03	162.90	526.43	512.84	13.59	38.732	
1,500.00	1,465.21	1,417.42	1,398.47	7.70	7.16	-143.21	336.07	180.60	569.86	555.45	14.42	39.529	
1,600.00	1,555.84	1,505.97	1,484.93	8.30	7.56	-143.30	343.99	198.02	615.86	600.60	15.26	40.363	
1,651.50	1,601.92	1,551.00	1,528.90	8.62	7.77	-143.36	348.02	206.88	640.54	624.84	15.70	40.801	
1,700.00	1,645.13	1,606.78	1,570.12	8.93	8.02	-143.74	351.79	215.18	664.11	647.94	16.17	41.060	
1,800.00	1,734.20	1,680.27	1,655.11	9.58	8.36	-144.44	359.57	232.31	712.78	695.80	16.97	41.997	
1,900.00	1,823.28	1,767.32	1,740.10	10.25	8.77	-145.05	367.36	249.43	761.52	743.67	17.85	42.671	
2,000.00	1,912.36	1,854.36	1,825.09	10.94	9.18	-145.59	375.14	266.56	810.31	791.58	18.73	43.258	
2,100.00	2,001.43	1,941.41	1,910.08	11.63	9.59	-146.07	382.92	283.68	859.16	839.53	19.63	43.772	
2,200.00	2,090.51	2,028.46	1,995.08	12.34	10.01	-146.49	390.71	300.81	908.04	887.51	20.53	44.223	
2,300.00	2,179.59	2,115.51	2,080.07	13.05	10.42	-146.87	398.49	317.93	956.96	935.52	21.45	44.622	
2,400.00	2,268.66	2,202.55	2,165.06	13.76	10.84	-147.22	406.27	335.06	1,005.91	983.55	22.37	44.976	
2,500.00	2,357.74	2,289.60	2,250.05	14.49	11.26	-147.53	414.05	352.19	1,054.89	1,031.60	23.29	45.292	
2,600.00	2,446.82	2,376.65	2,335.04	15.21	11.69	-147.82	421.84	369.31	1,103.88	1,079.66	24.22	45.575	
2,700.00	2,535.89	2,463.70	2,420.03	15.95	12.11	-148.08	429.62	386.44	1,152.90	1,127.74	25.16	45.829	
2,800.00	2,624.97	2,550.74	2,505.02	16.68	12.54	-148.32	437.40	403.56	1,201.93	1,175.84	26.10	46.059	
2,900.00	2,714.05	2,637.79	2,590.01	17.42	12.97	-148.54	445.19	420.69	1,250.98	1,223.94	27.04	46.267	
3,000.00	2,803.12	2,724.84	2,675.00	18.16	13.40	-148.74	452.97	437.81	1,300.04	1,272.06	27.98	46.456	
3,100.00	2,892.20	2,811.89	2,759.99	18.90	13.82	-148.93	460.75	454.94	1,349.11	1,320.18	28.93	46.628	
3,200.00	2,981.28	2,901.07	2,844.98	19.65	14.27	-149.11	468.53	472.06	1,398.20	1,368.30	29.90	46.769	
3,300.00	3,070.36	2,985.98	2,929.97	20.40	14.69	-149.28	476.32	489.19	1,447.29	1,416.45	30.84	46.930	
3,400.00	3,159.43	3,073.03	3,014.96	21.14	15.12	-149.43	484.10	506.31	1,496.39	1,464.59	31.80	47.063	
3,500.00	3,248.51	3,160.08	3,099.96	21.89	15.55	-149.57	491.88	523.44	1,545.50	1,512.74	32.75	47.186	
3,600.00	3,337.59	3,247.12	3,184.95	22.65	15.98	-149.71	499.67	540.56	1,594.61	1,560.90	33.71	47.299	
3,700.00	3,426.66	3,334.17	3,269.94	23.40	16.42	-149.84	507.45	557.69	1,643.73	1,609.06	34.68	47.404	
3,800.00	3,515.74	3,421.22	3,354.93	24.15	16.85	-149.96	515.23	574.81	1,692.86	1,657.22	35.64	47.501	
3,900.00	3,604.82	3,508.27	3,439.92	24.91	17.29	-150.07	523.01	591.94	1,741.99	1,705.39	36.60	47.591	
4,000.00	3,693.89	3,604.69	3,524.91	25.66	17.77	-150.17	530.80	609.07	1,791.13	1,753.52	37.62	47.616	
4,100.00	3,782.97	3,682.36	3,609.90	26.42	18.16	-150.28	538.58	626.19	1,840.27	1,801.74	38.54	47.754	
4,200.00	3,872.05	3,769.41	3,694.89	27.18	18.59	-150.37	546.36	643.32	1,889.42	1,849.92	39.50	47.828	
4,300.00	3,961.12	3,856.46	3,779.88	27.94	19.03	-150.46	554.14	660.44	1,938.57	1,898.10	40.47	47.896	
4,400.00	4,050.20	3,943.50	3,864.87	28.69	19.47	-150.55	561.93	677.57	1,987.72	1,946.28	41.44	47.961	
4,500.00	4,139.28	4,030.55	3,949.86	29.45	19.90	-150.63	569.71	694.69	2,036.88	1,994.46	42.42	48.021	
4,600.00	4,228.35	4,117.60	4,034.85	30.21	20.34	-150.71	577.49	711.82	2,086.04	2,042.65	43.39	48.078	
4,700.00	4,317.43	4,204.65	4,119.84	30.97	20.78	-150.78	585.28	728.94	2,135.20	2,090.84	44.36	48.132	
4,800.00	4,406.51	4,308.31	4,204.83	31.73	21.30	-150.86	593.06	746.07	2,184.37	2,138.95	45.42	48.094	
4,900.00	4,495.59	4,378.74	4,289.83	32.50	21.66	-150.92	600.84	763.19	2,233.54	2,187.23	46.31	48.230	
5,000.00	4,584.66	4,465.79	4,374.82	33.26	22.09	-150.99	608.62	780.32	2,282.71	2,235.42	47.28	48.276	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,552.84	4,459.81	34.02	22.53	-151.05	616.41	797.44	2,331.88	2,283.62	48.26	48.318	
5,200.00	4,762.82	4,639.88	4,544.80	34.78	22.97	-151.11	624.19	814.57	2,381.05	2,331.81	49.24	48.359	
5,300.00	4,851.89	4,726.93	4,629.79	35.54	23.41	-151.17	631.97	831.69	2,430.23	2,380.01	50.21	48.397	
5,400.00	4,940.97	4,813.98	4,714.78	36.31	23.85	-151.23	639.76	848.82	2,479.41	2,428.21	51.19	48.433	
5,500.00	5,030.05	4,901.03	4,799.77	37.07	24.29	-151.28	647.54	865.94	2,528.59	2,476.42	52.17	48.468	
5,600.00	5,119.12	4,988.07	4,884.76	37.83	24.73	-151.33	655.32	883.07	2,577.77	2,524.62	53.15	48.500	
5,700.00	5,208.20	5,075.12	4,969.75	38.60	25.17	-151.38	663.10	900.20	2,626.95	2,572.82	54.13	48.532	
5,800.00	5,297.28	5,162.17	5,054.74	39.36	25.61	-151.43	670.89	917.32	2,676.13	2,621.03	55.11	48.561	
5,900.00	5,386.35	5,249.22	5,139.73	40.13	26.05	-151.47	678.67	934.45	2,725.32	2,669.23	56.09	48.589	
6,000.00	5,475.43	5,336.26	5,224.72	40.89	26.49	-151.52	686.45	951.57	2,774.51	2,717.44	57.07	48.616	
6,100.00	5,564.51	5,423.31	5,309.71	41.66	26.93	-151.56	694.24	968.70	2,823.69	2,765.64	58.05	48.642	
6,200.00	5,653.58	5,510.36	5,394.70	42.42	27.37	-151.60	702.02	985.82	2,872.88	2,813.85	59.03	48.666	
6,300.00	5,742.66	5,602.59	5,479.70	43.19	27.84	-151.64	709.80	1,002.95	2,922.07	2,862.03	60.04	48.669	
6,400.00	5,831.74	5,684.45	5,564.69	43.95	28.25	-151.68	717.58	1,020.07	2,971.26	2,910.27	61.00	48.712	
6,500.00	5,920.82	5,771.50	5,649.68	44.72	28.69	-151.72	725.37	1,037.20	3,020.46	2,958.48	61.98	48.733	
6,600.00	6,009.89	5,858.55	5,734.67	45.48	29.13	-151.75	733.15	1,054.32	3,069.65	3,006.69	62.96	48.753	
6,700.00	6,098.97	5,945.60	5,819.66	46.25	29.57	-151.79	740.93	1,071.45	3,118.84	3,054.90	63.95	48.773	
6,800.00	6,188.05	6,032.64	5,904.65	47.01	30.02	-151.82	748.72	1,088.57	3,168.04	3,103.11	64.93	48.791	
6,900.00	6,277.12	6,119.69	5,989.64	47.78	30.46	-151.85	756.50	1,105.70	3,217.23	3,151.32	65.91	48.809	
7,000.00	6,366.20	6,206.74	6,074.63	48.55	30.90	-151.88	764.28	1,122.82	3,266.43	3,199.53	66.90	48.826	
7,100.00	6,455.28	6,293.79	6,159.62	49.31	31.34	-151.91	772.06	1,139.95	3,315.63	3,247.74	67.88	48.842	
7,197.64	6,542.25	6,378.78	6,242.61	50.06	31.77	-151.94	779.66	1,156.67	3,363.66	3,294.82	68.85	48.858	
7,200.00	6,544.35	6,380.83	6,244.61	50.08	31.78	-152.45	779.85	1,157.08	3,364.83	3,295.96	68.87	48.858	
7,250.00	6,589.22	6,424.25	6,287.00	50.44	32.00	-163.67	783.73	1,165.62	3,389.57	3,320.21	69.35	48.873	
7,300.00	6,634.48	6,467.26	6,329.00	50.77	32.22	-175.61	787.57	1,174.08	3,414.48	3,344.65	69.82	48.902	
7,350.00	6,679.86	6,509.63	6,370.36	51.06	32.43	172.25	791.36	1,182.41	3,439.41	3,369.14	70.28	48.942	
7,400.00	6,725.09	6,551.07	6,410.83	51.31	32.64	160.53	795.07	1,190.57	3,464.25	3,393.54	70.71	48.990	
7,450.00	6,769.87	6,591.34	6,450.14	51.52	32.85	149.73	798.67	1,198.49	3,488.88	3,417.75	71.14	49.045	
7,500.00	6,813.94	6,630.26	6,488.15	51.69	33.05	140.11	802.15	1,206.14	3,513.20	3,441.65	71.55	49.101	
7,550.00	6,857.03	6,670.59	6,527.77	51.84	33.24	131.75	805.78	1,212.71	3,537.11	3,465.13	71.97	49.144	
7,600.00	6,898.86	6,712.31	6,569.10	51.95	33.42	124.54	809.56	1,216.83	3,560.46	3,488.05	72.41	49.172	
7,650.00	6,939.19	6,755.73	6,612.31	52.05	33.60	118.37	813.53	1,218.23	3,583.14	3,510.28	72.85	49.182	
7,700.00	6,977.75	6,801.25	6,657.59	52.13	33.77	113.10	817.68	1,216.51	3,605.01	3,531.69	73.32	49.166	
7,750.00	7,014.32	6,849.31	6,705.15	52.20	33.94	108.60	822.04	1,211.18	3,625.96	3,552.14	73.83	49.115	
7,800.00	7,048.67	6,900.49	6,755.19	52.26	34.13	104.77	826.64	1,201.56	3,645.86	3,571.48	74.38	49.020	
7,850.00	7,080.59	6,955.43	6,807.87	52.33	34.33	101.53	831.48	1,186.78	3,664.59	3,589.60	74.98	48.873	
7,900.00	7,109.87	7,014.90	6,863.22	52.39	34.57	98.81	836.56	1,165.71	3,682.01	3,606.36	75.65	48.669	
7,950.00	7,136.35	7,079.77	6,921.08	52.47	34.84	96.56	841.89	1,136.92	3,698.00	3,621.60	76.40	48.403	
8,000.00	7,159.85	7,151.00	6,980.88	52.55	35.18	94.72	847.39	1,098.69	3,712.43	3,635.19	77.23	48.069	
8,050.00	7,180.23	7,229.53	7,041.43	52.64	35.60	93.27	852.98	1,049.06	3,725.13	3,646.96	78.17	47.655	
8,100.00	7,197.37	7,316.15	7,100.58	52.75	36.14	92.15	858.44	986.13	3,735.97	3,656.73	79.23	47.152	
8,150.00	7,211.16	8,150.00	7,144.92	52.88	42.52	91.24	862.54	924.47	3,744.77	3,658.59	86.18	43.454	
8,200.00	7,221.51	7,514.14	7,200.36	53.03	37.76	90.77	867.69	816.29	3,751.37	3,669.51	81.87	45.823	
8,250.00	7,228.37	7,623.46	7,231.62	53.20	38.90	90.41	870.62	711.71	3,755.65	3,672.17	83.48	44.990	
8,300.00	7,231.68	7,736.35	7,244.74	53.40	40.23	90.22	871.90	599.74	3,757.49	3,672.25	85.24	44.082	
8,317.45	7,232.00	7,763.30	7,245.01	53.47	40.57	90.20	871.94	572.80	3,757.56	3,671.81	85.75	43.820	
8,400.00	7,232.48	7,845.85	7,245.16	53.86	41.68	90.19	872.00	490.25	3,757.41	3,669.54	87.87	42.762	
8,500.00	7,233.06	7,945.85	7,245.34	54.44	43.14	90.19	872.08	390.25	3,757.23	3,666.54	90.68	41.433	
8,600.00	7,233.64	8,045.84	7,245.52	55.14	44.73	90.18	872.16	290.25	3,757.04	3,663.28	93.76	40.070	
8,700.00	7,234.22	8,145.84	7,245.69	55.99	46.45	90.17	872.23	190.25	3,756.86	3,659.77	97.08	38.698	
8,800.00	7,234.80	8,245.84	7,245.87	57.00	48.28	90.17	872.31	90.26	3,756.67	3,656.05	100.62	37.337	
8,900.00	7,235.39	8,345.84	7,246.05	58.18	50.21	90.16	872.39	-9.74	3,756.49	3,652.14	104.34	36.001	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,445.84	7,246.22	59.53	52.22	90.16	872.47	-109.74	3,756.30	3,648.05	108.25	34.701	
9,100.00	7,236.55	8,545.84	7,246.40	61.04	54.31	90.15	872.54	-209.74	3,756.12	3,643.81	112.30	33.446	
9,200.00	7,237.13	8,645.84	7,246.58	62.69	56.47	90.14	872.62	-309.74	3,755.93	3,639.43	116.50	32.239	
9,300.00	7,237.71	8,745.84	7,246.76	64.47	58.69	90.14	872.70	-409.74	3,755.75	3,634.92	120.82	31.084	
9,400.00	7,238.29	8,845.84	7,246.93	66.36	60.96	90.13	872.78	-509.74	3,755.56	3,630.30	125.26	29.983	
9,500.00	7,238.87	8,945.84	7,247.11	68.34	63.28	90.13	872.85	-609.74	3,755.38	3,625.58	129.79	28.934	
9,600.00	7,239.45	9,045.83	7,247.29	70.41	65.64	90.12	872.93	-709.74	3,755.19	3,620.77	134.42	27.937	
9,700.00	7,240.03	9,145.83	7,247.46	72.55	68.04	90.11	873.01	-809.73	3,755.01	3,615.88	139.12	26.990	
9,800.00	7,240.61	9,245.83	7,247.64	74.76	70.47	90.11	873.09	-909.73	3,754.82	3,610.92	143.90	26.093	
9,900.00	7,241.20	9,345.83	7,247.82	77.02	72.94	90.10	873.16	-1,009.73	3,754.64	3,605.89	148.75	25.241	
10,000.00	7,241.78	9,445.83	7,248.00	79.33	75.43	90.09	873.24	-1,109.73	3,754.45	3,600.80	153.66	24.434	
10,100.00	7,242.36	9,545.83	7,248.17	81.68	77.95	90.09	873.32	-1,209.73	3,754.27	3,595.65	158.62	23.669	
10,200.00	7,242.94	9,645.83	7,248.35	84.07	80.50	90.08	873.40	-1,309.73	3,754.09	3,590.46	163.63	22.943	
10,300.00	7,243.52	9,745.83	7,248.53	86.49	83.06	90.08	873.47	-1,409.73	3,753.90	3,585.22	168.68	22.254	
10,400.00	7,244.10	9,845.83	7,248.70	88.95	85.64	90.07	873.55	-1,509.73	3,753.72	3,579.94	173.78	21.601	
10,500.00	7,244.68	9,945.83	7,248.88	91.43	88.24	90.06	873.63	-1,609.72	3,753.53	3,574.62	178.91	20.980	
10,600.00	7,245.26	10,045.83	7,249.06	93.93	90.85	90.06	873.70	-1,709.72	3,753.35	3,569.27	184.08	20.390	
10,700.00	7,245.84	10,145.82	7,249.24	96.46	93.48	90.05	873.78	-1,809.72	3,753.16	3,563.88	189.28	19.829	
10,800.00	7,246.42	10,245.82	7,249.41	99.01	96.13	90.05	873.86	-1,909.72	3,752.98	3,558.47	194.51	19.295	
10,900.00	7,247.01	10,345.82	7,249.59	101.58	98.78	90.04	873.94	-2,009.72	3,752.80	3,553.03	199.77	18.786	
11,000.00	7,247.59	10,445.82	7,249.77	104.16	101.45	90.03	874.01	-2,109.72	3,752.61	3,547.57	205.05	18.301	
11,100.00	7,248.17	10,545.82	7,249.94	106.76	104.12	90.03	874.09	-2,209.72	3,752.43	3,542.08	210.35	17.839	
11,200.00	7,248.75	10,645.82	7,250.12	109.37	106.81	90.02	874.17	-2,309.72	3,752.24	3,536.57	215.68	17.398	
11,300.00	7,249.33	10,745.82	7,250.30	112.00	109.50	90.01	874.25	-2,409.72	3,752.06	3,531.04	221.02	16.976	
11,400.00	7,249.91	10,845.82	7,250.48	114.64	112.20	90.01	874.32	-2,509.71	3,751.88	3,525.49	226.38	16.573	
11,500.00	7,250.49	10,945.82	7,250.65	117.29	114.91	90.00	874.40	-2,609.71	3,751.69	3,519.93	231.76	16.188	
11,600.00	7,251.07	11,045.82	7,250.83	119.95	117.63	90.00	874.48	-2,709.71	3,751.51	3,514.35	237.16	15.818	
11,700.00	7,251.65	11,145.81	7,251.01	122.62	120.36	89.99	874.56	-2,809.71	3,751.33	3,508.75	242.57	15.465	
11,800.00	7,252.23	11,245.81	7,251.18	125.30	123.09	89.98	874.63	-2,909.71	3,751.14	3,503.14	248.00	15.126	
11,900.00	7,252.82	11,345.81	7,251.36	127.98	125.82	89.98	874.71	-3,009.71	3,750.96	3,497.52	253.43	14.800	
12,000.00	7,253.40	11,445.81	7,251.54	130.68	128.56	89.97	874.79	-3,109.71	3,750.77	3,491.89	258.88	14.488	
12,100.00	7,253.98	11,545.81	7,251.72	133.38	131.31	89.96	874.87	-3,209.71	3,750.59	3,486.24	264.35	14.188	
12,200.00	7,254.56	11,645.81	7,251.89	136.09	134.06	89.96	874.94	-3,309.71	3,750.41	3,480.59	269.82	13.900	
12,300.00	7,255.14	11,745.81	7,252.07	138.81	136.82	89.95	875.02	-3,409.70	3,750.22	3,474.92	275.30	13.622	
12,400.00	7,255.72	11,845.81	7,252.25	141.53	139.58	89.95	875.10	-3,509.70	3,750.04	3,469.25	280.79	13.355	
12,500.00	7,256.30	11,945.81	7,252.42	144.26	142.34	89.94	875.18	-3,609.70	3,749.86	3,463.56	286.29	13.098	
12,600.00	7,256.88	12,045.81	7,252.60	146.99	145.11	89.93	875.25	-3,709.70	3,749.67	3,457.87	291.80	12.850	
12,700.00	7,257.46	12,145.80	7,252.78	149.73	147.88	89.93	875.33	-3,809.70	3,749.49	3,452.17	297.32	12.611	
12,800.00	7,258.04	12,245.80	7,252.96	152.47	150.66	89.92	875.41	-3,909.70	3,749.31	3,446.46	302.84	12.380	
12,900.00	7,258.63	12,345.80	7,253.13	155.22	153.43	89.92	875.49	-4,009.70	3,749.12	3,440.75	308.38	12.158	
13,000.00	7,259.21	12,445.80	7,253.31	157.97	156.21	89.91	875.56	-4,109.70	3,748.94	3,435.03	313.92	11.943	
13,100.00	7,259.79	12,545.80	7,253.49	160.72	159.00	89.90	875.64	-4,209.69	3,748.76	3,429.30	319.46	11.735	
13,200.00	7,260.37	12,645.80	7,253.66	163.48	161.78	89.90	875.72	-4,309.69	3,748.57	3,423.56	325.01	11.534	
13,300.00	7,260.95	12,745.80	7,253.84	166.24	164.57	89.89	875.80	-4,409.69	3,748.39	3,417.82	330.57	11.339	
13,400.00	7,261.53	12,845.80	7,254.02	169.01	167.36	89.88	875.87	-4,509.69	3,748.21	3,412.08	336.13	11.151	
13,480.77	7,262.00	12,926.57	7,254.16	171.24	169.62	89.88	875.94	-4,590.46	3,748.06	3,407.43	340.63	11.003	SF

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

Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	240.08	2.22	240.09				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	240.08	2.22	240.09	233.52	6.57	36.547	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	240.08	2.22	240.09	233.41	6.67	35.973	
300.00	300.00	300.00	300.00	3.44	3.44	0.53	240.08	2.22	240.09	233.20	6.89	34.847	CC, ES
400.00	399.98	397.42	397.40	3.60	3.60	-154.37	240.58	3.80	242.19	235.00	7.19	33.667	
500.00	499.84	494.54	494.40	3.79	3.79	-153.74	242.06	8.52	248.52	240.94	7.58	32.781	
600.00	599.45	591.07	590.57	4.02	4.02	-152.75	244.52	16.32	259.09	251.04	8.05	32.191	
700.00	698.70	686.73	685.55	4.29	4.28	-151.49	247.92	27.08	273.95	265.37	8.58	31.913	
800.00	797.47	781.23	778.97	4.59	4.57	-150.04	252.20	40.68	293.13	283.95	9.18	31.940	
900.00	895.62	874.34	870.50	4.93	4.88	-148.49	257.33	56.95	316.61	306.79	9.82	32.246	
1,000.00	993.06	967.90	961.94	5.31	5.22	-146.94	263.29	75.83	344.24	333.73	10.50	32.773	
1,100.00	1,089.64	1,062.93	1,054.72	5.72	5.59	-145.73	269.46	95.42	374.96	363.73	11.23	33.375	
1,200.00	1,185.27	1,157.11	1,146.68	6.16	5.97	-144.91	275.58	114.83	408.46	396.46	12.00	34.045	
1,300.00	1,279.82	1,250.32	1,237.69	6.64	6.36	-144.37	281.64	134.04	444.64	431.85	12.79	34.768	
1,400.00	1,373.17	1,342.47	1,327.65	7.15	6.76	-144.07	287.63	153.03	483.46	469.86	13.60	35.536	
1,500.00	1,465.21	1,433.42	1,416.46	7.70	7.16	-143.94	293.54	171.77	524.88	510.44	14.44	36.345	
1,600.00	1,555.84	1,523.08	1,504.00	8.30	7.56	-143.94	299.36	190.25	568.88	553.59	15.30	37.191	
1,651.50	1,601.92	1,568.71	1,548.55	8.62	7.77	-143.97	302.33	199.66	592.55	576.80	15.74	37.635	
1,700.00	1,645.13	1,611.50	1,590.34	8.93	7.96	-144.30	305.11	208.47	615.17	599.00	16.17	38.055	
1,800.00	1,734.20	1,699.74	1,676.49	9.58	8.37	-144.91	310.84	226.66	661.84	644.80	17.04	38.841	
1,900.00	1,823.28	1,787.97	1,762.63	10.25	8.78	-145.44	316.58	244.84	708.57	690.64	17.93	39.520	
2,000.00	1,912.36	1,876.20	1,848.78	10.94	9.20	-145.90	322.31	263.03	755.34	736.51	18.83	40.111	
2,100.00	2,001.43	1,964.44	1,934.93	11.63	9.62	-146.31	328.04	281.21	802.14	782.40	19.74	40.627	
2,200.00	2,090.51	2,052.67	2,021.08	12.34	10.04	-146.68	333.78	299.40	848.98	828.31	20.67	41.081	
2,300.00	2,179.59	2,140.90	2,107.23	13.05	10.47	-147.00	339.51	317.58	895.83	874.24	21.60	41.482	
2,400.00	2,268.66	2,229.14	2,193.38	13.76	10.89	-147.30	345.24	335.77	942.71	920.18	22.53	41.838	
2,500.00	2,357.74	2,317.37	2,279.53	14.49	11.32	-147.57	350.98	353.95	989.60	966.13	23.48	42.155	
2,600.00	2,446.82	2,405.61	2,365.68	15.21	11.75	-147.81	356.71	372.14	1,036.51	1,012.09	24.42	42.440	
2,700.00	2,535.89	2,506.16	2,451.82	15.95	12.25	-148.03	362.44	390.32	1,083.44	1,058.00	25.44	42.594	
2,800.00	2,624.97	2,582.07	2,537.97	16.68	12.62	-148.23	368.18	408.51	1,130.37	1,104.04	26.33	42.926	
2,900.00	2,714.05	2,670.31	2,624.12	17.42	13.06	-148.42	373.91	426.69	1,177.32	1,150.02	27.29	43.134	
3,000.00	2,803.12	2,758.54	2,710.27	18.16	13.49	-148.59	379.65	444.88	1,224.27	1,196.01	28.26	43.324	
3,100.00	2,892.20	2,846.77	2,796.42	18.90	13.93	-148.75	385.38	463.06	1,271.23	1,242.01	29.23	43.497	
3,200.00	2,981.28	2,935.01	2,882.57	19.65	14.37	-148.90	391.11	481.25	1,318.20	1,288.00	30.20	43.655	
3,300.00	3,070.36	3,023.24	2,968.72	20.40	14.81	-149.04	396.85	499.43	1,365.18	1,334.01	31.17	43.801	
3,400.00	3,159.43	3,111.47	3,054.87	21.14	15.25	-149.17	402.58	517.61	1,412.16	1,380.01	32.14	43.934	
3,500.00	3,248.51	3,200.29	3,141.01	21.89	15.69	-149.29	408.31	535.80	1,459.14	1,426.02	33.12	44.053	
3,600.00	3,337.59	3,287.94	3,227.16	22.65	16.13	-149.40	414.05	553.98	1,506.13	1,472.04	34.10	44.171	
3,700.00	3,426.66	3,376.18	3,313.31	23.40	16.57	-149.51	419.78	572.17	1,553.13	1,518.05	35.08	44.276	
3,800.00	3,515.74	3,464.41	3,399.46	24.15	17.01	-149.61	425.51	590.35	1,600.13	1,564.07	36.06	44.374	
3,900.00	3,604.82	3,552.64	3,485.61	24.91	17.46	-149.70	431.25	608.54	1,647.13	1,610.09	37.04	44.465	
4,000.00	3,693.89	3,640.88	3,571.76	25.66	17.90	-149.79	436.98	626.72	1,694.14	1,656.11	38.03	44.550	
4,100.00	3,782.97	3,729.11	3,657.91	26.42	18.34	-149.87	442.71	644.91	1,741.15	1,702.13	39.01	44.629	
4,200.00	3,872.05	3,817.34	3,744.06	27.18	18.79	-149.95	448.45	663.09	1,788.16	1,748.16	40.00	44.703	
4,300.00	3,961.12	3,905.58	3,830.20	27.94	19.23	-150.03	454.18	681.28	1,835.17	1,794.18	40.99	44.772	
4,400.00	4,050.20	4,006.19	3,916.35	28.69	19.74	-150.10	459.92	699.46	1,882.19	1,840.15	42.04	44.770	
4,500.00	4,139.28	4,082.04	4,002.50	29.45	20.12	-150.17	465.65	717.65	1,929.21	1,886.24	42.97	44.898	
4,600.00	4,228.35	4,170.28	4,088.65	30.21	20.57	-150.23	471.38	735.83	1,976.23	1,932.27	43.96	44.956	
4,700.00	4,317.43	4,258.51	4,174.80	30.97	21.02	-150.30	477.12	754.02	2,023.25	1,978.30	44.95	45.010	
4,800.00	4,406.51	4,346.74	4,260.95	31.73	21.46	-150.36	482.85	772.20	2,070.28	2,024.33	45.94	45.061	
4,900.00	4,495.59	4,434.98	4,347.10	32.50	21.91	-150.41	488.58	790.38	2,117.30	2,070.37	46.94	45.109	
5,000.00	4,584.66	4,523.21	4,433.25	33.26	22.36	-150.47	494.32	808.57	2,164.33	2,116.40	47.93	45.155	

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

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

Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,611.45	4,519.39	34.02	22.80	-150.52	500.05	826.75	2,211.36	2,162.43	48.93	45.198	
5,200.00	4,762.82	4,699.68	4,605.54	34.78	23.25	-150.57	505.78	844.94	2,258.39	2,208.47	49.92	45.239	
5,300.00	4,851.89	4,787.91	4,691.69	35.54	23.70	-150.62	511.52	863.12	2,305.42	2,254.51	50.92	45.277	
5,400.00	4,940.97	4,876.15	4,777.84	36.31	24.15	-150.66	517.25	881.31	2,352.46	2,300.54	51.91	45.314	
5,500.00	5,030.05	4,964.38	4,863.99	37.07	24.59	-150.71	522.99	899.49	2,399.49	2,346.58	52.91	45.349	
5,600.00	5,119.12	5,052.61	4,950.14	37.83	25.04	-150.75	528.72	917.68	2,446.53	2,392.62	53.91	45.382	
5,700.00	5,208.20	5,140.85	5,036.29	38.60	25.49	-150.79	534.45	935.86	2,493.56	2,438.66	54.91	45.414	
5,800.00	5,297.28	5,229.08	5,122.44	39.36	25.94	-150.83	540.19	954.05	2,540.60	2,484.69	55.91	45.444	
5,900.00	5,386.35	5,317.31	5,208.58	40.13	26.39	-150.87	545.92	972.23	2,587.64	2,530.73	56.91	45.473	
6,000.00	5,475.43	5,405.55	5,294.73	40.89	26.84	-150.90	551.65	990.42	2,634.68	2,576.77	57.90	45.500	
6,100.00	5,564.51	5,506.22	5,380.88	41.66	27.35	-150.94	557.39	1,008.60	2,681.72	2,622.75	58.97	45.478	
6,200.00	5,653.58	5,582.01	5,467.03	42.42	27.73	-150.97	563.12	1,026.79	2,728.76	2,668.85	59.91	45.551	
6,300.00	5,742.66	5,670.25	5,553.18	43.19	28.18	-151.01	568.85	1,044.97	2,775.80	2,714.89	60.91	45.575	
6,400.00	5,831.74	5,758.48	5,639.33	43.95	28.63	-151.04	574.59	1,063.16	2,822.84	2,760.94	61.91	45.598	
6,500.00	5,920.82	5,846.72	5,725.48	44.72	29.08	-151.07	580.32	1,081.34	2,869.89	2,806.98	62.91	45.620	
6,600.00	6,009.89	5,934.95	5,811.63	45.48	29.53	-151.10	586.06	1,099.52	2,916.93	2,853.02	63.91	45.641	
6,700.00	6,098.97	6,023.18	5,897.77	46.25	29.98	-151.13	591.79	1,117.71	2,963.97	2,899.06	64.91	45.661	
6,800.00	6,188.05	6,111.42	5,983.92	47.01	30.43	-151.15	597.52	1,135.89	3,011.02	2,945.10	65.92	45.680	
6,900.00	6,277.12	6,200.35	6,070.07	47.78	30.88	-151.18	603.26	1,154.08	3,058.06	2,991.14	66.92	45.695	
7,000.00	6,366.20	6,287.88	6,156.22	48.55	31.33	-151.21	608.99	1,172.26	3,105.11	3,037.19	67.92	45.715	
7,100.00	6,455.28	6,376.12	6,242.37	49.31	31.78	-151.23	614.72	1,190.45	3,152.15	3,083.23	68.93	45.732	
7,197.64	6,542.25	6,462.92	6,327.20	50.06	32.22	-151.27	620.37	1,207.90	3,198.09	3,128.18	69.91	45.748	
7,200.00	6,544.35	6,465.05	6,329.31	50.08	32.23	-151.77	620.51	1,208.26	3,199.20	3,129.27	69.93	45.748	
7,250.00	6,589.22	6,510.20	6,373.96	50.44	32.43	-162.91	623.48	1,214.17	3,222.87	3,152.47	70.40	45.776	
7,300.00	6,634.48	6,555.18	6,418.74	50.77	32.62	-174.83	626.46	1,216.89	3,246.74	3,175.91	70.84	45.834	
7,350.00	6,679.86	6,600.10	6,463.56	51.06	32.79	173.00	629.44	1,216.44	3,270.66	3,199.43	71.23	45.915	
7,400.00	6,725.09	6,645.11	6,508.31	51.31	32.95	161.19	632.41	1,212.81	3,294.47	3,222.87	71.61	46.008	
7,450.00	6,769.87	6,690.31	6,552.89	51.52	33.11	150.27	635.37	1,205.99	3,318.04	3,246.07	71.97	46.103	
7,500.00	6,813.94	6,735.85	6,597.19	51.69	33.28	140.52	638.31	1,195.93	3,341.21	3,268.87	72.33	46.191	
7,550.00	6,857.03	6,781.82	6,641.08	51.84	33.46	131.99	641.23	1,182.58	3,363.84	3,291.14	72.71	46.267	
7,600.00	6,898.86	6,828.35	6,684.40	51.95	33.65	124.63	644.10	1,165.87	3,385.81	3,312.71	73.09	46.323	
7,650.00	6,939.19	6,875.55	6,726.97	52.05	33.86	118.31	646.93	1,145.74	3,406.96	3,333.46	73.50	46.353	
7,700.00	6,977.75	6,923.49	6,768.58	52.13	34.08	112.88	649.68	1,122.10	3,427.18	3,353.24	73.94	46.352	
7,750.00	7,014.32	6,972.28	6,808.98	52.20	34.33	108.21	652.36	1,094.90	3,446.34	3,371.93	74.41	46.314	
7,800.00	7,048.67	7,021.96	6,847.86	52.26	34.61	104.21	654.93	1,064.09	3,464.32	3,389.39	74.93	46.233	
7,850.00	7,080.59	7,072.60	6,884.89	52.33	34.91	100.77	657.38	1,029.67	3,481.01	3,405.50	75.50	46.104	
7,900.00	7,109.87	7,124.20	6,919.71	52.39	35.26	97.83	659.69	991.67	3,496.30	3,420.16	76.14	45.920	
7,950.00	7,136.35	7,176.76	6,951.89	52.47	35.65	95.34	661.81	950.19	3,510.10	3,433.25	76.84	45.678	
8,000.00	7,159.85	7,230.26	6,981.03	52.55	36.09	93.24	663.73	905.38	3,522.32	3,444.69	77.63	45.375	
8,050.00	7,180.23	7,284.61	7,006.69	52.64	36.58	91.50	665.42	857.51	3,532.88	3,454.38	78.49	45.009	
8,100.00	7,197.37	7,339.74	7,028.45	52.75	37.12	90.09	666.85	806.91	3,541.71	3,462.26	79.45	44.580	
8,150.00	7,211.16	7,395.49	7,045.94	52.88	37.72	88.99	668.00	754.00	3,548.75	3,468.27	80.48	44.093	
8,200.00	7,221.51	7,451.72	7,058.83	53.03	38.36	88.19	668.84	699.29	3,553.96	3,472.36	81.60	43.553	
8,250.00	7,228.37	7,508.25	7,066.89	53.20	39.05	87.66	669.35	643.36	3,557.31	3,474.51	82.79	42.967	
8,300.00	7,231.68	7,564.87	7,069.97	53.40	39.77	87.41	669.54	586.84	3,558.76	3,474.73	84.03	42.349	
8,317.45	7,232.00	7,583.06	7,070.00	53.47	40.00	87.39	669.53	568.65	3,558.83	3,474.36	84.47	42.133	
8,400.00	7,232.48	7,665.61	7,070.01	53.86	41.16	87.38	669.51	486.11	3,558.60	3,471.99	86.62	41.084	
8,500.00	7,233.06	7,765.60	7,070.02	54.44	42.66	87.37	669.47	386.11	3,558.34	3,468.87	89.47	39.771	
8,600.00	7,233.64	7,865.60	7,070.02	55.14	44.31	87.36	669.44	286.11	3,558.07	3,465.48	92.59	38.429	
8,700.00	7,234.22	7,965.60	7,070.03	55.99	46.07	87.35	669.40	186.11	3,557.80	3,461.86	95.94	37.082	
8,800.00	7,234.80	8,065.60	7,070.04	57.00	47.94	87.34	669.37	86.11	3,557.53	3,458.02	99.51	35.749	
8,900.00	7,235.39	8,165.60	7,070.05	58.18	49.90	87.34	669.34	-13.88	3,557.26	3,453.98	103.28	34.444	

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

Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,265.59	7,070.06	59.53	51.95	87.33	669.30	-113.88	3,556.99	3,449.78	107.21	33.177	
9,100.00	7,236.55	8,365.59	7,070.07	61.04	54.07	87.32	669.27	-213.88	3,556.73	3,445.42	111.30	31.955	
9,200.00	7,237.13	8,465.59	7,070.08	62.69	56.26	87.31	669.24	-313.88	3,556.46	3,440.93	115.53	30.784	
9,300.00	7,237.71	8,565.59	7,070.09	64.47	58.50	87.30	669.20	-413.88	3,556.19	3,436.31	119.88	29.664	
9,400.00	7,238.29	8,665.59	7,070.10	66.36	60.80	87.29	669.17	-513.87	3,555.92	3,431.58	124.34	28.598	
9,500.00	7,238.87	8,765.58	7,070.10	68.34	63.14	87.28	669.13	-613.87	3,555.66	3,426.76	128.90	27.584	
9,600.00	7,239.45	8,865.58	7,070.11	70.41	65.53	87.27	669.10	-713.87	3,555.39	3,421.84	133.55	26.622	
9,700.00	7,240.03	8,965.58	7,070.12	72.55	67.95	87.26	669.07	-813.87	3,555.12	3,416.85	138.28	25.710	
9,800.00	7,240.61	9,065.58	7,070.13	74.76	70.40	87.25	669.03	-913.87	3,554.85	3,411.78	143.07	24.846	
9,900.00	7,241.20	9,165.58	7,070.14	77.02	72.88	87.24	669.00	-1,013.86	3,554.59	3,406.65	147.94	24.027	
10,000.00	7,241.78	9,265.57	7,070.15	79.33	75.40	87.23	668.97	-1,113.86	3,554.32	3,401.46	152.86	23.252	
10,100.00	7,242.36	9,365.57	7,070.16	81.68	77.93	87.22	668.93	-1,213.86	3,554.05	3,396.22	157.84	22.517	
10,200.00	7,242.94	9,465.57	7,070.17	84.07	80.49	87.21	668.90	-1,313.86	3,553.79	3,390.93	162.86	21.821	
10,300.00	7,243.52	9,565.57	7,070.18	86.49	83.06	87.20	668.87	-1,413.86	3,553.52	3,385.59	167.93	21.161	
10,400.00	7,244.10	9,665.56	7,070.18	88.95	85.66	87.19	668.83	-1,513.85	3,553.25	3,380.22	173.04	20.535	
10,500.00	7,244.68	9,765.56	7,070.19	91.43	88.27	87.18	668.80	-1,613.85	3,552.99	3,374.80	178.18	19.940	
10,600.00	7,245.26	9,865.56	7,070.20	93.93	90.89	87.17	668.76	-1,713.85	3,552.72	3,369.36	183.36	19.376	
10,700.00	7,245.84	9,965.56	7,070.21	96.46	93.53	87.17	668.73	-1,813.85	3,552.45	3,363.88	188.57	18.839	
10,800.00	7,246.42	10,065.56	7,070.22	99.01	96.18	87.16	668.70	-1,913.84	3,552.19	3,358.38	193.81	18.329	
10,900.00	7,247.01	10,165.55	7,070.23	101.58	98.85	87.15	668.66	-2,013.84	3,551.92	3,352.85	199.07	17.843	
11,000.00	7,247.59	10,265.55	7,070.24	104.16	101.52	87.14	668.63	-2,113.84	3,551.66	3,347.30	204.36	17.380	
11,100.00	7,248.17	10,365.55	7,070.25	106.76	104.20	87.13	668.60	-2,213.84	3,551.39	3,341.72	209.67	16.938	
11,200.00	7,248.75	10,465.55	7,070.26	109.37	106.90	87.12	668.56	-2,313.84	3,551.12	3,336.13	215.00	16.517	
11,300.00	7,249.33	10,565.55	7,070.26	112.00	109.60	87.11	668.53	-2,413.83	3,550.86	3,330.51	220.35	16.115	
11,400.00	7,249.91	10,665.54	7,070.27	114.64	112.31	87.10	668.49	-2,513.83	3,550.59	3,324.88	225.71	15.731	
11,500.00	7,250.49	10,765.54	7,070.28	117.29	115.03	87.09	668.46	-2,613.83	3,550.33	3,319.23	231.10	15.363	
11,600.00	7,251.07	10,865.54	7,070.29	119.95	117.75	87.08	668.43	-2,713.83	3,550.06	3,313.57	236.50	15.011	
11,700.00	7,251.65	10,965.54	7,070.30	122.62	120.48	87.07	668.39	-2,813.83	3,549.80	3,307.89	241.91	14.674	
11,800.00	7,252.23	11,065.54	7,070.31	125.30	123.22	87.06	668.36	-2,913.82	3,549.53	3,302.20	247.34	14.351	
11,900.00	7,252.82	11,165.53	7,070.32	127.98	125.96	87.05	668.33	-3,013.82	3,549.27	3,296.49	252.77	14.041	
12,000.00	7,253.40	11,265.53	7,070.33	130.68	128.70	87.04	668.29	-3,113.82	3,549.00	3,290.78	258.23	13.744	
12,100.00	7,253.98	11,365.53	7,070.34	133.38	131.45	87.03	668.26	-3,213.82	3,548.74	3,285.05	263.69	13.458	
12,200.00	7,254.56	11,465.53	7,070.34	136.09	134.21	87.02	668.22	-3,313.82	3,548.47	3,279.31	269.16	13.184	
12,300.00	7,255.14	11,565.53	7,070.35	138.81	136.97	87.01	668.19	-3,413.81	3,548.21	3,273.57	274.64	12.919	
12,400.00	7,255.72	11,665.52	7,070.36	141.53	139.74	87.00	668.16	-3,513.81	3,547.94	3,267.81	280.13	12.665	
12,500.00	7,256.30	11,765.52	7,070.37	144.26	142.50	86.99	668.12	-3,613.81	3,547.68	3,262.05	285.63	12.421	
12,600.00	7,256.88	11,865.52	7,070.38	146.99	145.27	86.99	668.09	-3,713.81	3,547.41	3,256.27	291.14	12.185	
12,700.00	7,257.46	11,965.52	7,070.39	149.73	148.05	86.98	668.06	-3,813.81	3,547.15	3,250.50	296.65	11.957	
12,800.00	7,258.04	12,065.52	7,070.40	152.47	150.83	86.97	668.02	-3,913.80	3,546.88	3,244.71	302.17	11.738	
12,900.00	7,258.63	12,165.51	7,070.41	155.22	153.61	86.96	667.99	-4,013.80	3,546.62	3,238.92	307.70	11.526	
13,000.00	7,259.21	12,265.51	7,070.41	157.97	156.39	86.95	667.96	-4,113.80	3,546.36	3,233.12	313.24	11.322	
13,100.00	7,259.79	12,365.51	7,070.42	160.72	159.18	86.94	667.92	-4,213.80	3,546.09	3,227.31	318.78	11.124	
13,200.00	7,260.37	12,465.51	7,070.43	163.48	161.97	86.93	667.89	-4,313.79	3,545.83	3,221.50	324.33	10.933	
13,300.00	7,260.95	12,565.50	7,070.44	166.24	164.76	86.92	667.85	-4,413.79	3,545.56	3,215.68	329.88	10.748	
13,400.00	7,261.53	12,665.50	7,070.45	169.01	167.55	86.91	667.82	-4,513.79	3,545.30	3,209.86	335.44	10.569	
13,480.77	7,262.00	12,746.27	7,070.46	171.24	169.81	86.90	667.79	-4,594.56	3,545.09	3,205.16	339.93	10.429	SF

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

Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.48	165.03	1.39	165.04				
100.00	100.00	100.00	100.00	3.28	3.28	0.48	165.03	1.39	165.04	158.47	6.57	25.122	
200.00	200.00	200.00	200.00	3.34	3.34	0.48	165.03	1.39	165.04	158.36	6.67	24.728	
300.00	300.00	300.00	300.00	3.44	3.44	0.48	165.03	1.39	165.04	158.15	6.89	23.954	CC, ES
400.00	399.98	402.53	402.51	3.60	3.60	-154.32	164.23	3.04	165.84	158.64	7.20	23.034	
500.00	499.84	504.97	504.80	3.79	3.80	-153.40	161.82	7.98	168.30	160.70	7.59	22.161	
600.00	599.45	607.23	606.64	4.02	4.05	-151.92	157.82	16.18	172.47	164.40	8.07	21.364	
700.00	698.70	709.23	707.84	4.29	4.33	-149.97	152.24	27.62	178.48	169.85	8.63	20.692	
800.00	797.47	810.88	808.18	4.59	4.65	-147.65	145.11	42.22	186.45	177.20	9.24	20.170	
900.00	895.62	912.10	907.45	4.93	5.00	-145.08	136.47	59.94	196.52	186.60	9.92	19.803	
1,000.00	993.06	1,011.51	1,004.43	5.31	5.38	-142.64	126.88	79.61	209.04	198.38	10.65	19.619	
1,100.00	1,089.64	1,110.15	1,100.62	5.72	5.78	-140.96	117.31	99.23	224.50	213.07	11.43	19.635	
1,200.00	1,185.27	1,208.42	1,196.45	6.16	6.19	-139.97	107.77	118.79	242.72	230.47	12.25	19.807	
1,300.00	1,279.82	1,306.21	1,291.82	6.64	6.62	-139.55	98.28	138.24	263.58	250.47	13.11	20.105	
1,400.00	1,373.17	1,403.41	1,386.60	7.15	7.05	-139.57	88.85	157.58	287.04	273.04	14.00	20.508	
1,500.00	1,465.21	1,500.12	1,480.68	7.70	7.50	-139.94	79.49	176.78	313.10	298.19	14.91	21.000	
1,600.00	1,555.84	1,604.49	1,573.94	8.30	7.99	-140.55	70.21	195.81	341.79	325.91	15.88	21.520	
1,651.50	1,601.92	1,644.40	1,621.61	8.62	8.17	-140.93	65.46	205.53	357.61	341.28	16.33	21.899	
1,700.00	1,645.13	1,709.68	1,666.39	8.93	8.49	-141.48	61.01	214.67	372.87	355.99	16.88	22.087	
1,800.00	1,734.20	1,784.99	1,758.71	9.58	8.85	-142.49	51.82	233.51	404.41	386.66	17.75	22.786	
1,900.00	1,823.28	1,879.66	1,851.04	10.25	9.31	-143.35	42.63	252.35	436.05	417.33	18.72	23.293	
2,000.00	1,912.36	1,974.33	1,943.36	10.94	9.77	-144.10	33.44	271.18	467.76	448.06	19.70	23.741	
2,100.00	2,001.43	2,069.01	2,035.68	11.63	10.23	-144.75	24.26	290.02	499.54	478.85	20.69	24.139	
2,200.00	2,090.51	2,163.68	2,128.01	12.34	10.70	-145.33	15.07	308.86	531.37	509.68	21.69	24.493	
2,300.00	2,179.59	2,258.35	2,220.33	13.05	11.18	-145.84	5.88	327.69	563.24	540.54	22.70	24.810	
2,400.00	2,268.66	2,353.02	2,312.65	13.76	11.65	-146.29	-3.31	346.53	595.15	571.43	23.72	25.095	
2,500.00	2,357.74	2,447.69	2,404.98	14.49	12.13	-146.70	-12.49	365.37	627.09	602.35	24.73	25.353	
2,600.00	2,446.82	2,542.37	2,497.30	15.21	12.60	-147.07	-21.68	384.21	659.05	633.30	25.76	25.586	
2,700.00	2,535.89	2,637.04	2,589.62	15.95	13.08	-147.41	-30.87	403.04	691.04	664.25	26.79	25.799	
2,800.00	2,624.97	2,731.71	2,681.94	16.68	13.56	-147.72	-40.06	421.88	723.05	695.23	27.82	25.993	
2,900.00	2,714.05	2,826.38	2,774.27	17.42	14.05	-148.00	-49.24	440.72	755.07	726.22	28.85	26.170	
3,000.00	2,803.12	2,921.05	2,866.59	18.16	14.53	-148.25	-58.43	459.55	787.11	757.22	29.89	26.334	
3,100.00	2,892.20	3,015.73	2,958.91	18.90	15.01	-148.49	-67.62	478.39	819.16	788.23	30.93	26.484	
3,200.00	2,981.28	3,110.40	3,051.24	19.65	15.50	-148.71	-76.81	497.23	851.22	819.25	31.97	26.623	
3,300.00	3,070.36	3,205.07	3,143.56	20.40	15.98	-148.91	-85.99	516.07	883.30	850.28	33.02	26.752	
3,400.00	3,159.43	3,300.26	3,235.88	21.14	16.47	-149.10	-95.18	534.90	915.38	881.31	34.07	26.870	
3,500.00	3,248.51	3,405.59	3,328.21	21.89	17.02	-149.28	-104.37	553.74	947.47	912.30	35.17	26.940	
3,600.00	3,337.59	3,489.09	3,420.53	22.65	17.45	-149.44	-113.56	572.58	979.57	943.40	36.16	27.087	
3,700.00	3,426.66	3,583.76	3,512.85	23.40	17.94	-149.60	-122.74	591.42	1,011.67	974.46	37.22	27.184	
3,800.00	3,515.74	3,678.43	3,605.17	24.15	18.43	-149.74	-131.93	610.25	1,043.78	1,005.52	38.27	27.275	
3,900.00	3,604.82	3,773.10	3,697.50	24.91	18.92	-149.88	-141.12	629.09	1,075.90	1,036.58	39.32	27.360	
4,000.00	3,693.89	3,867.77	3,789.82	25.66	19.41	-150.01	-150.31	647.93	1,108.02	1,067.65	40.38	27.440	
4,100.00	3,782.97	3,962.45	3,882.14	26.42	19.90	-150.13	-159.49	666.76	1,140.15	1,098.72	41.44	27.516	
4,200.00	3,872.05	4,057.12	3,974.47	27.18	20.39	-150.24	-168.68	685.60	1,172.28	1,129.79	42.49	27.587	
4,300.00	3,961.12	4,151.79	4,066.79	27.94	20.88	-150.35	-177.87	704.44	1,204.42	1,160.87	43.55	27.654	
4,400.00	4,050.20	4,246.46	4,159.11	28.69	21.37	-150.45	-187.06	723.28	1,236.56	1,191.94	44.61	27.718	
4,500.00	4,139.28	4,341.14	4,251.44	29.45	21.86	-150.55	-196.24	742.11	1,268.70	1,223.03	45.67	27.778	
4,600.00	4,228.35	4,435.81	4,343.76	30.21	22.36	-150.64	-205.43	760.95	1,300.84	1,254.11	46.73	27.835	
4,700.00	4,317.43	4,530.48	4,436.08	30.97	22.85	-150.73	-214.62	779.79	1,332.99	1,285.20	47.80	27.889	
4,800.00	4,406.51	4,625.15	4,528.41	31.73	23.34	-150.81	-223.81	798.62	1,365.14	1,316.29	48.86	27.941	
4,900.00	4,495.59	4,719.82	4,620.73	32.50	23.84	-150.89	-232.99	817.46	1,397.30	1,347.38	49.92	27.990	
5,000.00	4,584.66	4,814.50	4,713.05	33.26	24.33	-150.97	-242.18	836.30	1,429.45	1,378.47	50.99	28.037	

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

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

Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,909.17	4,805.37	34.02	24.82	-151.04	-251.37	855.14	1,461.61	1,409.56	52.05	28.081	
5,200.00	4,762.82	5,003.84	4,897.70	34.78	25.32	-151.11	-260.56	873.97	1,493.77	1,440.66	53.11	28.124	
5,300.00	4,851.89	5,101.49	4,990.02	35.54	25.83	-151.18	-269.74	892.81	1,525.93	1,471.74	54.19	28.156	
5,400.00	4,940.97	5,193.18	5,082.34	36.31	26.31	-151.25	-278.93	911.65	1,558.10	1,502.85	55.25	28.203	
5,500.00	5,030.05	5,287.86	5,174.67	37.07	26.80	-151.31	-288.12	930.49	1,590.26	1,533.95	56.31	28.240	
5,600.00	5,119.12	5,382.53	5,266.99	37.83	27.30	-151.37	-297.31	949.32	1,622.43	1,565.05	57.38	28.276	
5,700.00	5,208.20	5,477.20	5,359.31	38.60	27.79	-151.42	-306.49	968.16	1,654.60	1,596.15	58.45	28.310	
5,800.00	5,297.28	5,571.87	5,451.64	39.36	28.29	-151.48	-315.68	987.00	1,686.77	1,627.26	59.51	28.343	
5,900.00	5,386.35	5,666.54	5,543.96	40.13	28.78	-151.53	-324.87	1,005.83	1,718.94	1,658.36	60.58	28.374	
6,000.00	5,475.43	5,761.22	5,636.28	40.89	29.28	-151.58	-334.06	1,024.67	1,751.11	1,689.46	61.65	28.404	
6,100.00	5,564.51	5,855.89	5,728.60	41.66	29.77	-151.63	-343.24	1,043.51	1,783.29	1,720.57	62.72	28.433	
6,200.00	5,653.58	5,950.56	5,820.93	42.42	30.27	-151.68	-352.43	1,062.35	1,815.46	1,751.68	63.79	28.461	
6,300.00	5,742.66	6,045.23	5,913.25	43.19	30.77	-151.72	-361.62	1,081.18	1,847.64	1,782.78	64.86	28.488	
6,400.00	5,831.74	6,139.90	6,005.57	43.95	31.26	-151.77	-370.81	1,100.02	1,879.82	1,813.89	65.93	28.514	
6,500.00	5,920.82	6,234.58	6,097.90	44.72	31.76	-151.81	-379.99	1,118.86	1,911.99	1,845.00	67.00	28.539	
6,600.00	6,009.89	6,329.25	6,190.22	45.48	32.25	-151.85	-389.18	1,137.69	1,944.17	1,876.11	68.07	28.563	
6,700.00	6,098.97	6,423.92	6,282.54	46.25	32.75	-151.89	-398.37	1,156.53	1,976.35	1,907.22	69.14	28.586	
6,800.00	6,188.05	6,518.59	6,374.87	47.01	33.25	-151.93	-407.56	1,175.37	2,008.53	1,938.33	70.21	28.609	
6,900.00	6,277.12	6,613.26	6,467.19	47.78	33.74	-151.97	-416.74	1,194.21	2,040.71	1,969.44	71.28	28.630	
7,000.00	6,366.20	6,714.72	6,567.12	48.55	34.22	-152.20	-426.66	1,207.93	2,072.75	2,000.42	72.33	28.656	
7,100.00	6,455.28	6,812.43	6,664.25	49.31	34.58	-152.84	-436.24	1,206.01	2,104.60	2,031.43	73.18	28.761	
7,197.64	6,542.25	6,899.71	6,749.85	50.06	34.86	-153.74	-444.63	1,191.68	2,135.93	2,062.09	73.84	28.927	
7,200.00	6,544.35	6,901.70	6,751.78	50.08	34.86	-154.23	-444.82	1,191.22	2,136.69	2,062.84	73.85	28.932	
7,250.00	6,589.22	6,943.39	6,791.77	50.44	35.00	-164.96	-448.72	1,180.12	2,153.09	2,078.94	74.15	29.037	
7,300.00	6,634.48	6,984.18	6,830.12	50.77	35.14	-176.47	-452.45	1,166.74	2,169.79	2,095.36	74.43	29.152	
7,350.00	6,679.86	7,024.21	6,866.85	51.06	35.28	171.78	-456.01	1,151.24	2,186.65	2,111.96	74.70	29.274	
7,400.00	6,725.09	7,063.60	6,901.97	51.31	35.43	160.40	-459.40	1,133.75	2,203.56	2,128.61	74.95	29.399	
7,450.00	6,769.87	7,102.44	6,935.49	51.52	35.58	149.89	-462.63	1,114.40	2,220.39	2,145.18	75.21	29.522	
7,500.00	6,813.94	7,140.83	6,967.40	51.69	35.75	140.53	-465.69	1,093.30	2,237.02	2,161.54	75.48	29.639	
7,550.00	6,857.03	7,178.85	6,997.71	51.84	35.92	132.39	-468.59	1,070.53	2,253.32	2,177.56	75.75	29.746	
7,600.00	6,898.86	7,216.57	7,026.38	51.95	36.11	125.37	-471.32	1,046.19	2,269.18	2,193.13	76.04	29.840	
7,650.00	6,939.19	7,254.03	7,053.39	52.05	36.31	119.36	-473.88	1,020.36	2,284.49	2,208.13	76.36	29.918	
7,700.00	6,977.75	7,291.29	7,078.71	52.13	36.52	114.22	-476.27	993.14	2,299.15	2,222.44	76.71	29.974	
7,750.00	7,014.32	7,328.40	7,102.31	52.20	36.75	109.80	-478.48	964.59	2,313.06	2,235.97	77.09	30.004	
7,800.00	7,048.67	7,365.38	7,124.14	52.26	37.00	106.02	-480.51	934.82	2,326.12	2,248.60	77.52	30.008	
7,850.00	7,080.59	7,402.27	7,144.17	52.33	37.27	102.77	-482.36	903.90	2,338.26	2,260.27	77.99	29.982	
7,900.00	7,109.87	7,439.10	7,162.35	52.39	37.56	99.99	-484.03	871.93	2,349.39	2,270.86	78.53	29.919	
7,950.00	7,136.35	7,475.87	7,178.65	52.47	37.87	97.63	-485.50	839.00	2,359.44	2,280.32	79.12	29.819	
8,000.00	7,159.85	7,512.62	7,193.01	52.55	38.20	95.65	-486.78	805.21	2,368.35	2,288.57	79.79	29.683	
8,050.00	7,180.23	7,550.00	7,205.61	52.64	38.55	94.00	-487.88	770.03	2,376.07	2,295.55	80.53	29.507	
8,100.00	7,197.37	7,586.05	7,215.79	52.75	38.92	92.66	-488.74	735.46	2,382.55	2,301.21	81.34	29.292	
8,150.00	7,211.16	7,622.76	7,224.14	52.88	39.31	91.62	-489.42	699.73	2,387.74	2,305.52	82.22	29.040	
8,200.00	7,221.51	7,659.46	7,230.43	53.03	39.71	90.86	-489.89	663.58	2,391.62	2,308.44	83.18	28.754	
8,250.00	7,228.37	7,696.17	7,234.63	53.20	40.14	90.37	-490.16	627.11	2,394.16	2,309.96	84.20	28.435	
8,300.00	7,231.68	7,732.89	7,236.74	53.40	40.57	90.14	-490.21	590.47	2,395.34	2,310.06	85.28	28.088	
8,317.45	7,232.00	7,745.70	7,236.98	53.47	40.73	90.12	-490.19	577.65	2,395.44	2,309.77	85.67	27.962	
8,400.00	7,232.48	7,826.67	7,237.14	53.86	41.77	90.11	-489.87	496.68	2,395.54	2,307.77	87.77	27.294	
8,500.00	7,233.06	7,926.67	7,237.33	54.44	43.19	90.10	-489.48	396.69	2,395.67	2,305.10	90.57	26.450	
8,600.00	7,233.64	8,026.67	7,237.52	55.14	44.76	90.09	-489.09	296.69	2,395.80	2,302.15	93.65	25.584	
8,700.00	7,234.22	8,126.67	7,237.70	55.99	46.45	90.08	-488.70	196.69	2,395.93	2,298.97	96.96	24.711	
8,800.00	7,234.80	8,226.67	7,237.89	57.00	48.25	90.07	-488.31	96.69	2,396.05	2,295.57	100.49	23.844	
8,900.00	7,235.39	8,326.67	7,238.07	58.18	50.16	90.06	-487.92	-3.31	2,396.18	2,291.97	104.21	22.994	

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

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

Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,426.67	7,238.26	59.53	52.16	90.06	-487.53	-103.30	2,396.31	2,288.20	108.11	22.166	
9,100.00	7,236.55	8,526.67	7,238.45	61.04	54.23	90.05	-487.14	-203.30	2,396.44	2,284.28	112.16	21.366	
9,200.00	7,237.13	8,626.66	7,238.63	62.69	56.38	90.04	-486.75	-303.30	2,396.57	2,280.21	116.36	20.597	
9,300.00	7,237.71	8,726.66	7,238.82	64.47	58.59	90.03	-486.35	-403.30	2,396.70	2,276.02	120.68	19.861	
9,400.00	7,238.29	8,826.66	7,239.01	66.36	60.85	90.02	-485.96	-503.30	2,396.83	2,271.72	125.11	19.158	
9,500.00	7,238.87	8,926.66	7,239.19	68.34	63.16	90.01	-485.57	-603.30	2,396.96	2,267.32	129.64	18.489	
9,600.00	7,239.45	9,026.66	7,239.38	70.41	65.52	90.00	-485.18	-703.29	2,397.09	2,262.83	134.26	17.854	
9,700.00	7,240.03	9,126.66	7,239.56	72.55	67.92	89.99	-484.79	-803.29	2,397.22	2,258.25	138.97	17.250	
9,800.00	7,240.61	9,226.66	7,239.75	74.76	70.35	89.98	-484.40	-903.29	2,397.35	2,253.60	143.74	16.678	
9,900.00	7,241.20	9,326.66	7,239.94	77.02	72.81	89.97	-484.01	-1,003.29	2,397.48	2,248.89	148.59	16.135	
10,000.00	7,241.78	9,426.66	7,240.12	79.33	75.30	89.96	-483.62	-1,103.29	2,397.61	2,244.11	153.49	15.620	
10,100.00	7,242.36	9,526.66	7,240.31	81.68	77.82	89.95	-483.23	-1,203.28	2,397.74	2,239.28	158.45	15.132	
10,200.00	7,242.94	9,626.66	7,240.50	84.07	80.36	89.94	-482.84	-1,303.28	2,397.87	2,234.41	163.46	14.669	
10,300.00	7,243.52	9,726.65	7,240.68	86.49	82.92	89.93	-482.45	-1,403.28	2,398.00	2,229.48	168.52	14.230	
10,400.00	7,244.10	9,826.65	7,240.87	88.95	85.50	89.92	-482.06	-1,503.28	2,398.13	2,224.52	173.61	13.813	
10,500.00	7,244.68	9,926.65	7,241.06	91.43	88.10	89.91	-481.67	-1,603.28	2,398.26	2,219.51	178.74	13.417	
10,600.00	7,245.26	10,026.65	7,241.24	93.93	90.71	89.90	-481.28	-1,703.28	2,398.39	2,214.47	183.91	13.041	
10,700.00	7,245.84	10,126.65	7,241.43	96.46	93.34	89.89	-480.89	-1,803.27	2,398.52	2,209.41	189.11	12.683	
10,800.00	7,246.42	10,226.65	7,241.61	99.01	95.98	89.89	-480.49	-1,903.27	2,398.65	2,204.31	194.34	12.343	
10,900.00	7,247.01	10,326.65	7,241.80	101.58	98.64	89.88	-480.10	-2,003.27	2,398.78	2,199.18	199.60	12.018	
11,000.00	7,247.59	10,426.65	7,241.99	104.16	101.30	89.87	-479.71	-2,103.27	2,398.91	2,194.03	204.88	11.709	
11,100.00	7,248.17	10,526.65	7,242.17	106.76	103.98	89.86	-479.32	-2,203.27	2,399.04	2,188.86	210.18	11.414	
11,200.00	7,248.75	10,626.65	7,242.36	109.37	106.66	89.85	-478.93	-2,303.26	2,399.17	2,183.66	215.50	11.133	
11,300.00	7,249.33	10,726.65	7,242.55	112.00	109.36	89.84	-478.54	-2,403.26	2,399.30	2,178.45	220.85	10.864	
11,400.00	7,249.91	10,826.65	7,242.73	114.64	112.06	89.83	-478.15	-2,503.26	2,399.43	2,173.22	226.21	10.607	
11,500.00	7,250.49	10,926.64	7,242.92	117.29	114.77	89.82	-477.76	-2,603.26	2,399.56	2,167.97	231.59	10.361	
11,600.00	7,251.07	11,026.64	7,243.10	119.95	117.49	89.81	-477.37	-2,703.26	2,399.69	2,162.70	236.99	10.126	
11,700.00	7,251.65	11,126.64	7,243.29	122.62	120.21	89.80	-476.98	-2,803.26	2,399.82	2,157.42	242.40	9.900	
11,800.00	7,252.23	11,226.64	7,243.48	125.30	122.95	89.79	-476.59	-2,903.25	2,399.95	2,152.13	247.82	9.684	
11,900.00	7,252.82	11,326.64	7,243.66	127.98	125.68	89.78	-476.20	-3,003.25	2,400.08	2,146.82	253.26	9.477	
12,000.00	7,253.40	11,426.64	7,243.85	130.68	128.42	89.77	-475.81	-3,103.25	2,400.21	2,141.50	258.71	9.278	
12,100.00	7,253.98	11,526.64	7,244.04	133.38	131.17	89.76	-475.42	-3,203.25	2,400.35	2,136.17	264.17	9.086	
12,200.00	7,254.56	11,626.64	7,244.22	136.09	133.92	89.75	-475.03	-3,303.25	2,400.48	2,130.83	269.64	8.902	
12,300.00	7,255.14	11,726.64	7,244.41	138.81	136.68	89.74	-474.63	-3,403.25	2,400.61	2,125.48	275.12	8.726	
12,400.00	7,255.72	11,826.64	7,244.59	141.53	139.44	89.73	-474.24	-3,503.24	2,400.74	2,120.12	280.62	8.555	
12,500.00	7,256.30	11,926.64	7,244.78	144.26	142.20	89.73	-473.85	-3,603.24	2,400.87	2,114.75	286.12	8.391	
12,600.00	7,256.88	12,026.64	7,244.97	146.99	144.97	89.72	-473.46	-3,703.24	2,401.00	2,109.38	291.63	8.233	
12,700.00	7,257.46	12,126.63	7,245.15	149.73	147.75	89.71	-473.07	-3,803.24	2,401.13	2,103.99	297.14	8.081	
12,800.00	7,258.04	12,226.63	7,245.34	152.47	150.52	89.70	-472.68	-3,903.24	2,401.26	2,098.60	302.67	7.934	
12,900.00	7,258.63	12,326.63	7,245.53	155.22	153.30	89.69	-472.29	-4,003.23	2,401.40	2,093.20	308.20	7.792	
13,000.00	7,259.21	12,426.63	7,245.71	157.97	156.08	89.68	-471.90	-4,103.23	2,401.53	2,087.79	313.74	7.655	
13,100.00	7,259.79	12,526.63	7,245.90	160.72	158.86	89.67	-471.51	-4,203.23	2,401.66	2,082.38	319.28	7.522	
13,200.00	7,260.37	12,626.63	7,246.09	163.48	161.65	89.66	-471.12	-4,303.23	2,401.79	2,076.96	324.83	7.394	
13,300.00	7,260.95	12,726.63	7,246.27	166.24	164.44	89.65	-470.73	-4,403.23	2,401.92	2,071.53	330.39	7.270	
13,400.00	7,261.53	12,826.63	7,246.46	169.01	167.23	89.64	-470.34	-4,503.23	2,402.05	2,066.10	335.95	7.150	
13,480.77	7,262.00	12,907.40	7,246.61	171.24	169.49	89.63	-470.02	-4,584.00	2,402.16	2,061.71	340.45	7.056	SF

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

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	179.97	1.67	179.98				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	179.97	1.67	179.98	173.41	6.57	27.397	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	179.97	1.67	179.98	173.30	6.67	26.967	
300.00	300.00	301.00	300.98	3.44	3.44	1.09	179.66	3.42	179.70	172.81	6.89	26.087	
320.44	320.44	321.63	321.59	3.47	3.47	-153.79	179.52	4.21	179.64	172.70	6.94	25.871	CC, ES
400.00	399.98	401.80	401.64	3.60	3.60	-152.60	178.74	8.67	180.50	173.31	7.20	25.085	
500.00	499.84	502.27	501.71	3.79	3.81	-150.59	177.20	17.36	184.11	176.52	7.59	24.255	
600.00	599.45	602.24	600.92	4.02	4.06	-148.13	175.08	29.43	190.69	182.62	8.07	23.629	
700.00	698.70	701.57	699.01	4.29	4.34	-145.37	172.37	44.80	200.41	191.78	8.63	23.233	
800.00	797.47	806.89	795.73	4.59	4.68	-142.47	169.10	63.34	213.39	204.12	9.27	23.009	
900.00	895.62	901.62	891.82	4.93	5.03	-139.93	165.53	83.58	229.60	219.65	9.95	23.078	
1,000.00	993.06	1,003.66	987.63	5.31	5.42	-138.20	161.97	103.75	248.69	237.99	10.70	23.240	
1,100.00	1,089.64	1,106.11	1,083.02	5.72	5.84	-137.14	158.43	123.84	270.43	258.93	11.50	23.516	
1,200.00	1,185.27	1,209.10	1,177.88	6.16	6.27	-136.64	154.91	143.82	294.68	282.34	12.34	23.877	
1,300.00	1,279.82	1,287.25	1,272.10	6.64	6.61	-136.56	151.41	163.66	321.38	308.27	13.11	24.517	
1,400.00	1,373.17	1,382.82	1,365.56	7.15	7.04	-136.81	147.94	183.34	350.55	336.57	13.98	25.071	
1,500.00	1,465.21	1,477.51	1,458.15	7.70	7.47	-137.29	144.50	202.84	382.20	367.32	14.88	25.687	
1,600.00	1,555.84	1,571.18	1,549.76	8.30	7.90	-137.93	141.10	222.13	416.39	400.60	15.80	26.360	
1,651.50	1,601.92	1,619.00	1,596.51	8.62	8.12	-138.30	139.36	231.97	435.01	418.73	16.28	26.726	
1,700.00	1,645.13	1,663.88	1,640.40	8.93	8.33	-138.89	137.73	241.22	452.88	436.15	16.73	27.072	
1,800.00	1,734.20	1,756.42	1,730.90	9.58	8.77	-139.97	134.37	260.27	489.85	472.18	17.67	27.723	
1,900.00	1,823.28	1,848.96	1,821.40	10.25	9.21	-140.90	131.01	279.33	526.96	508.33	18.62	28.296	
2,000.00	1,912.36	1,941.50	1,911.89	10.94	9.65	-141.71	127.65	298.39	564.17	544.58	19.59	28.803	
2,100.00	2,001.43	2,034.05	2,002.39	11.63	10.10	-142.42	124.29	317.44	601.46	580.90	20.56	29.253	
2,200.00	2,090.51	2,126.59	2,092.88	12.34	10.55	-143.05	120.93	336.50	638.82	617.28	21.54	29.655	
2,300.00	2,179.59	2,219.13	2,183.38	13.05	11.00	-143.61	117.57	355.56	676.25	653.72	22.53	30.016	
2,400.00	2,268.66	2,311.67	2,273.88	13.76	11.46	-144.11	114.21	374.62	713.72	690.20	23.52	30.340	
2,500.00	2,357.74	2,404.21	2,364.37	14.49	11.91	-144.56	110.85	393.67	751.24	726.72	24.52	30.634	
2,600.00	2,446.82	2,503.24	2,454.87	15.21	12.40	-144.97	107.49	412.73	788.79	763.23	25.56	30.862	
2,700.00	2,535.89	2,589.30	2,545.37	15.95	12.83	-145.34	104.13	431.79	826.37	799.84	26.53	31.143	
2,800.00	2,624.97	2,681.84	2,635.86	16.68	13.29	-145.67	100.77	450.84	863.98	836.44	27.55	31.365	
2,900.00	2,714.05	2,774.38	2,726.36	17.42	13.75	-145.98	97.41	469.90	901.62	873.06	28.56	31.569	
3,000.00	2,803.12	2,866.92	2,816.85	18.16	14.21	-146.27	94.05	488.96	939.27	909.70	29.58	31.756	
3,100.00	2,892.20	2,959.47	2,907.35	18.90	14.68	-146.53	90.69	508.02	976.95	946.35	30.60	31.929	
3,200.00	2,981.28	3,052.01	2,997.85	19.65	15.14	-146.78	87.33	527.07	1,014.64	983.02	31.62	32.088	
3,300.00	3,070.36	3,144.55	3,088.34	20.40	15.61	-147.00	83.97	546.13	1,052.34	1,019.70	32.64	32.237	
3,400.00	3,159.43	3,237.09	3,178.84	21.14	16.07	-147.21	80.61	565.19	1,090.06	1,056.39	33.67	32.374	
3,500.00	3,248.51	3,329.63	3,269.34	21.89	16.54	-147.41	77.25	584.25	1,127.79	1,093.09	34.70	32.502	
3,600.00	3,337.59	3,422.18	3,359.83	22.65	17.01	-147.60	73.89	603.30	1,165.53	1,129.80	35.73	32.622	
3,700.00	3,426.66	3,514.72	3,450.33	23.40	17.47	-147.77	70.53	622.36	1,203.28	1,166.52	36.76	32.734	
3,800.00	3,515.74	3,607.26	3,540.82	24.15	17.94	-147.93	67.17	641.42	1,241.04	1,203.25	37.79	32.839	
3,900.00	3,604.82	3,700.20	3,631.32	24.91	18.41	-148.08	63.81	660.47	1,278.80	1,239.98	38.83	32.936	
4,000.00	3,693.89	3,807.66	3,721.82	25.66	18.96	-148.23	60.45	679.53	1,316.58	1,276.64	39.94	32.966	
4,100.00	3,782.97	3,884.89	3,812.31	26.42	19.35	-148.36	57.09	698.59	1,354.36	1,313.46	40.90	33.117	
4,200.00	3,872.05	3,977.43	3,902.81	27.18	19.82	-148.49	53.73	717.65	1,392.15	1,350.21	41.93	33.200	
4,300.00	3,961.12	4,069.97	3,993.30	27.94	20.29	-148.61	50.37	736.70	1,429.94	1,386.97	42.97	33.278	
4,400.00	4,050.20	4,162.51	4,083.80	28.69	20.76	-148.73	47.00	755.76	1,467.74	1,423.73	44.01	33.351	
4,500.00	4,139.28	4,255.05	4,174.30	29.45	21.23	-148.84	43.64	774.82	1,505.54	1,460.49	45.05	33.421	
4,600.00	4,228.35	4,347.60	4,264.79	30.21	21.70	-148.94	40.28	793.87	1,543.35	1,497.26	46.09	33.487	
4,700.00	4,317.43	4,440.14	4,355.29	30.97	22.17	-149.04	36.92	812.93	1,581.16	1,534.03	47.13	33.550	
4,800.00	4,406.51	4,532.68	4,445.79	31.73	22.64	-149.13	33.56	831.99	1,618.97	1,570.80	48.17	33.609	
4,900.00	4,495.59	4,625.22	4,536.28	32.50	23.11	-149.22	30.20	851.05	1,656.79	1,607.58	49.21	33.666	

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

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

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,717.76	4,626.78	33.26	23.59	-149.31	26.84	870.10	1,694.62	1,644.36	50.25	33.720	
5,100.00	4,673.74	4,810.31	4,717.27	34.02	24.06	-149.39	23.48	889.16	1,732.44	1,681.14	51.30	33.772	
5,200.00	4,762.82	4,902.85	4,807.77	34.78	24.53	-149.47	20.12	908.22	1,770.27	1,717.93	52.34	33.821	
5,300.00	4,851.89	5,004.61	4,898.27	35.54	25.05	-149.55	16.76	927.27	1,808.10	1,754.67	53.43	33.839	
5,400.00	4,940.97	5,087.93	4,988.76	36.31	25.48	-149.62	13.40	946.33	1,845.93	1,791.50	54.43	33.913	
5,500.00	5,030.05	5,180.47	5,079.26	37.07	25.95	-149.69	10.04	965.39	1,883.77	1,828.29	55.48	33.957	
5,600.00	5,119.12	5,273.02	5,169.75	37.83	26.42	-149.76	6.68	984.45	1,921.61	1,865.09	56.52	33.998	
5,700.00	5,208.20	5,365.56	5,260.25	38.60	26.89	-149.82	3.32	1,003.50	1,959.45	1,901.88	57.57	34.037	
5,800.00	5,297.28	5,458.10	5,350.75	39.36	27.37	-149.88	-0.04	1,022.56	1,997.29	1,938.68	58.61	34.075	
5,900.00	5,386.35	5,550.64	5,441.24	40.13	27.84	-149.94	-3.40	1,041.62	2,035.14	1,975.48	59.66	34.112	
6,000.00	5,475.43	5,643.18	5,531.74	40.89	28.31	-150.00	-6.76	1,060.67	2,072.98	2,012.28	60.71	34.147	
6,100.00	5,564.51	5,735.73	5,622.24	41.66	28.79	-150.06	-10.12	1,079.73	2,110.83	2,049.08	61.76	34.180	
6,200.00	5,653.58	5,828.27	5,712.73	42.42	29.26	-150.11	-13.48	1,098.79	2,148.68	2,085.88	62.80	34.213	
6,300.00	5,742.66	5,920.81	5,803.23	43.19	29.74	-150.16	-16.84	1,117.85	2,186.53	2,122.68	63.85	34.244	
6,400.00	5,831.74	6,013.35	5,893.72	43.95	30.21	-150.21	-20.20	1,136.90	2,224.38	2,159.48	64.90	34.274	
6,500.00	5,920.82	6,105.89	5,984.22	44.72	30.68	-150.26	-23.56	1,155.96	2,262.24	2,196.29	65.95	34.303	
6,600.00	6,009.89	6,201.56	6,074.72	45.48	31.17	-150.30	-26.92	1,175.02	2,300.09	2,233.08	67.01	34.323	
6,700.00	6,098.97	6,290.98	6,165.21	46.25	31.63	-150.35	-30.28	1,194.07	2,337.95	2,269.90	68.05	34.358	
6,800.00	6,188.05	6,399.97	6,273.03	47.01	32.13	-150.61	-34.32	1,208.59	2,375.51	2,306.34	69.18	34.340	
6,900.00	6,277.12	6,504.83	6,377.63	47.78	32.50	-151.29	-38.29	1,205.06	2,412.55	2,342.47	70.07	34.430	
7,000.00	6,366.20	6,599.35	6,470.29	48.55	32.82	-152.24	-41.87	1,187.19	2,449.52	2,378.71	70.81	34.591	
7,100.00	6,455.28	6,681.53	6,547.94	49.31	33.14	-153.29	-44.91	1,160.64	2,487.04	2,415.60	71.44	34.815	
7,197.64	6,542.25	6,749.89	6,609.50	50.06	33.42	-154.32	-47.35	1,131.08	2,524.72	2,452.78	71.94	35.096	
7,200.00	6,544.35	6,751.41	6,610.83	50.08	33.43	-154.82	-47.40	1,130.35	2,525.65	2,453.70	71.95	35.103	
7,250.00	6,589.22	6,783.32	6,638.37	50.44	33.58	-165.96	-48.51	1,114.26	2,545.58	2,473.40	72.18	35.269	
7,300.00	6,634.48	6,814.83	6,664.73	50.77	33.73	-177.88	-49.57	1,097.04	2,565.90	2,493.52	72.39	35.447	
7,350.00	6,679.86	6,846.02	6,689.95	51.06	33.89	169.94	-50.59	1,078.73	2,586.46	2,513.87	72.59	35.633	
7,400.00	6,725.09	6,876.97	6,714.06	51.31	34.07	158.14	-51.58	1,059.36	2,607.07	2,534.28	72.79	35.818	
7,450.00	6,769.87	6,907.75	6,737.08	51.52	34.25	147.21	-52.52	1,038.96	2,627.59	2,554.60	72.98	36.002	
7,500.00	6,813.94	6,938.39	6,759.00	51.69	34.44	137.45	-53.43	1,017.56	2,647.85	2,574.66	73.19	36.178	
7,550.00	6,857.03	6,968.95	6,779.80	51.84	34.64	128.91	-54.30	995.19	2,667.70	2,594.30	73.41	36.340	
7,600.00	6,898.86	7,000.00	6,799.81	51.95	34.85	121.54	-55.15	971.47	2,687.01	2,613.36	73.65	36.486	
7,650.00	6,939.19	7,029.95	6,818.00	52.05	35.08	115.20	-55.92	947.69	2,705.63	2,631.72	73.91	36.609	
7,700.00	6,977.75	7,060.43	6,835.34	52.13	35.32	109.75	-56.67	922.64	2,723.44	2,649.24	74.20	36.706	
7,750.00	7,014.32	7,090.92	6,851.46	52.20	35.58	105.06	-57.38	896.78	2,740.31	2,665.78	74.52	36.772	
7,800.00	7,048.67	7,121.44	6,866.35	52.26	35.85	101.03	-58.04	870.15	2,756.13	2,681.24	74.89	36.800	
7,850.00	7,080.59	7,150.00	6,879.11	52.33	36.12	97.58	-58.62	844.60	2,770.80	2,695.51	75.29	36.801	
7,900.00	7,109.87	7,182.57	6,892.24	52.39	36.44	94.61	-59.22	814.81	2,784.23	2,708.45	75.79	36.737	
7,950.00	7,136.35	7,213.19	6,903.19	52.47	36.76	92.09	-59.74	786.22	2,796.33	2,720.01	76.32	36.638	
8,000.00	7,159.85	7,243.84	6,912.76	52.55	37.09	89.97	-60.21	757.11	2,807.03	2,730.10	76.93	36.490	
8,050.00	7,180.23	7,274.53	6,920.93	52.64	37.44	88.22	-60.63	727.53	2,816.26	2,738.65	77.60	36.290	
8,100.00	7,197.37	7,300.00	6,926.62	52.75	37.73	86.81	-60.93	702.71	2,823.96	2,745.66	78.30	36.065	
8,150.00	7,211.16	7,335.99	6,932.96	52.88	38.17	85.69	-61.30	667.29	2,830.08	2,750.91	79.17	35.746	
8,200.00	7,221.51	7,366.74	6,936.78	53.03	38.55	84.88	-61.56	636.78	2,834.59	2,754.53	80.07	35.403	
8,250.00	7,228.37	7,400.00	6,939.26	53.20	38.97	84.35	-61.78	603.62	2,837.47	2,756.43	81.05	35.011	
8,300.00	7,231.68	7,430.55	6,940.00	53.40	39.36	84.11	-61.90	575.94	2,838.69	2,756.61	82.08	34.584	
8,317.45	7,232.00	7,445.14	6,940.04	53.47	39.56	84.09	-61.97	558.49	2,838.71	2,756.24	82.47	34.420	
8,400.00	7,232.48	7,527.69	6,940.26	53.86	40.72	84.09	-62.28	475.94	2,838.21	2,753.58	84.63	33.537	
8,500.00	7,233.06	7,627.69	6,940.53	54.44	42.25	84.08	-62.66	375.95	2,837.61	2,750.11	87.50	32.431	
8,600.00	7,233.64	7,727.68	6,940.79	55.14	43.92	84.07	-63.03	275.95	2,837.01	2,746.38	90.63	31.302	
8,700.00	7,234.22	7,827.68	6,941.06	55.99	45.71	84.07	-63.41	175.95	2,836.41	2,742.40	94.01	30.171	
8,800.00	7,234.80	7,927.68	6,941.33	57.00	47.60	84.06	-63.78	75.96	2,835.81	2,738.21	97.60	29.055	

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

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

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,027.68	6,941.59	58.18	49.58	84.05	-64.16	-24.04	2,835.21	2,733.83	101.38	27.965	
9,000.00	7,235.97	8,127.67	6,941.86	59.53	51.65	84.04	-64.53	-124.03	2,834.61	2,729.27	105.34	26.910	
9,100.00	7,236.55	8,227.67	6,942.13	61.04	53.79	84.03	-64.91	-224.03	2,834.01	2,724.57	109.44	25.895	
9,200.00	7,237.13	8,327.67	6,942.39	62.69	55.99	84.03	-65.28	-324.03	2,833.41	2,719.72	113.69	24.923	
9,300.00	7,237.71	8,427.67	6,942.66	64.47	58.25	84.02	-65.66	-424.02	2,832.81	2,714.76	118.05	23.996	
9,400.00	7,238.29	8,527.66	6,942.92	66.36	60.57	84.01	-66.03	-524.02	2,832.21	2,709.68	122.52	23.115	
9,500.00	7,238.87	8,627.66	6,943.19	68.34	62.93	84.00	-66.41	-624.02	2,831.61	2,704.51	127.09	22.279	
9,600.00	7,239.45	8,727.66	6,943.46	70.41	65.32	84.00	-66.78	-724.01	2,831.01	2,699.26	131.75	21.487	
9,700.00	7,240.03	8,827.66	6,943.72	72.55	67.76	83.99	-67.16	-824.01	2,830.41	2,693.92	136.49	20.738	
9,800.00	7,240.61	8,927.65	6,943.99	74.76	70.22	83.98	-67.53	-924.01	2,829.81	2,688.52	141.29	20.028	
9,900.00	7,241.20	9,027.65	6,944.25	77.02	72.72	83.97	-67.91	-1,024.00	2,829.21	2,683.05	146.16	19.357	
10,000.00	7,241.78	9,127.65	6,944.52	79.33	75.24	83.97	-68.28	-1,124.00	2,828.61	2,677.52	151.09	18.722	
10,100.00	7,242.36	9,227.65	6,944.79	81.68	77.78	83.96	-68.66	-1,224.00	2,828.01	2,671.94	156.07	18.121	
10,200.00	7,242.94	9,327.64	6,945.05	84.07	80.35	83.95	-69.04	-1,323.99	2,827.41	2,666.32	161.09	17.552	
10,300.00	7,243.52	9,427.64	6,945.32	86.49	82.93	83.94	-69.41	-1,423.99	2,826.81	2,660.65	166.16	17.013	
10,400.00	7,244.10	9,527.64	6,945.58	88.95	85.53	83.93	-69.79	-1,523.98	2,826.21	2,654.94	171.26	16.502	
10,500.00	7,244.68	9,627.64	6,945.85	91.43	88.15	83.93	-70.16	-1,623.98	2,825.61	2,649.20	176.41	16.018	
10,600.00	7,245.26	9,727.63	6,946.12	93.93	90.78	83.92	-70.54	-1,723.98	2,825.01	2,643.43	181.58	15.558	
10,700.00	7,245.84	9,827.63	6,946.38	96.46	93.43	83.91	-70.91	-1,823.97	2,824.41	2,637.63	186.79	15.121	
10,800.00	7,246.42	9,927.63	6,946.65	99.01	96.09	83.90	-71.29	-1,923.97	2,823.81	2,631.79	192.02	14.706	
10,900.00	7,247.01	10,027.63	6,946.91	101.58	98.76	83.90	-71.66	-2,023.97	2,823.21	2,625.94	197.27	14.311	
11,000.00	7,247.59	10,127.62	6,947.18	104.16	101.44	83.89	-72.04	-2,123.96	2,822.61	2,620.06	202.55	13.935	
11,100.00	7,248.17	10,227.62	6,947.45	106.76	104.13	83.88	-72.41	-2,223.96	2,822.01	2,614.16	207.85	13.577	
11,200.00	7,248.75	10,327.62	6,947.71	109.37	106.82	83.87	-72.79	-2,323.96	2,821.41	2,608.24	213.18	13.235	
11,300.00	7,249.33	10,427.62	6,947.98	112.00	109.53	83.87	-73.16	-2,423.95	2,820.81	2,602.30	218.52	12.909	
11,400.00	7,249.91	10,527.61	6,948.24	114.64	112.24	83.86	-73.54	-2,523.95	2,820.21	2,596.34	223.87	12.597	
11,500.00	7,250.49	10,627.61	6,948.51	117.29	114.97	83.85	-73.91	-2,623.95	2,819.62	2,590.37	229.24	12.300	
11,600.00	7,251.07	10,727.61	6,948.78	119.95	117.69	83.84	-74.29	-2,723.94	2,819.02	2,584.38	234.63	12.015	
11,700.00	7,251.65	10,827.61	6,949.04	122.62	120.43	83.83	-74.67	-2,823.94	2,818.42	2,578.38	240.03	11.742	
11,800.00	7,252.23	10,927.60	6,949.31	125.30	123.17	83.83	-75.04	-2,923.93	2,817.82	2,572.37	245.45	11.480	
11,900.00	7,252.82	11,027.60	6,949.57	127.98	125.91	83.82	-75.42	-3,023.93	2,817.22	2,566.35	250.87	11.230	
12,000.00	7,253.40	11,127.60	6,949.84	130.68	128.66	83.81	-75.79	-3,123.93	2,816.62	2,560.31	256.31	10.989	
12,100.00	7,253.98	11,227.60	6,950.11	133.38	131.41	83.80	-76.17	-3,223.92	2,816.02	2,554.26	261.76	10.758	
12,200.00	7,254.56	11,327.59	6,950.37	136.09	134.17	83.80	-76.54	-3,323.92	2,815.42	2,548.21	267.21	10.536	
12,300.00	7,255.14	11,427.59	6,950.64	138.81	136.93	83.79	-76.92	-3,423.92	2,814.82	2,542.14	272.68	10.323	
12,400.00	7,255.72	11,527.59	6,950.91	141.53	139.70	83.78	-77.29	-3,523.91	2,814.23	2,536.07	278.16	10.117	
12,500.00	7,256.30	11,627.59	6,951.17	144.26	142.47	83.77	-77.67	-3,623.91	2,813.63	2,529.99	283.64	9.920	
12,600.00	7,256.88	11,727.58	6,951.44	146.99	145.25	83.76	-78.04	-3,723.91	2,813.03	2,523.90	289.13	9.729	
12,700.00	7,257.46	11,827.58	6,951.70	149.73	148.02	83.76	-78.42	-3,823.90	2,812.43	2,517.80	294.63	9.546	
12,800.00	7,258.04	11,927.58	6,951.97	152.47	150.80	83.75	-78.79	-3,923.90	2,811.83	2,511.70	300.13	9.369	
12,900.00	7,258.63	12,027.58	6,952.24	155.22	153.58	83.74	-79.17	-4,023.89	2,811.23	2,505.59	305.65	9.198	
13,000.00	7,259.21	12,127.57	6,952.50	157.97	156.37	83.73	-79.54	-4,123.89	2,810.63	2,499.47	311.16	9.033	
13,100.00	7,259.79	12,227.57	6,952.77	160.72	159.16	83.73	-79.92	-4,223.89	2,810.04	2,493.35	316.69	8.873	
13,200.00	7,260.37	12,327.57	6,953.03	163.48	161.95	83.72	-80.30	-4,323.88	2,809.44	2,487.22	322.22	8.719	
13,300.00	7,260.95	12,427.57	6,953.30	166.24	164.74	83.71	-80.67	-4,423.88	2,808.84	2,481.09	327.75	8.570	
13,400.00	7,261.53	12,527.56	6,953.57	169.01	167.54	83.70	-81.05	-4,523.88	2,808.24	2,474.95	333.29	8.426	
13,480.77	7,262.00	12,608.33	6,953.78	171.24	169.80	83.70	-81.35	-4,604.65	2,807.76	2,469.99	337.77	8.313	SF

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

Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.49	194.90	1.67	194.91				
100.00	100.00	100.00	100.00	3.28	3.28	0.49	194.90	1.67	194.91	188.34	6.57	29.669	
200.00	200.00	200.00	200.00	3.34	3.34	0.49	194.90	1.67	194.91	188.23	6.67	29.204	
300.00	300.00	300.00	300.00	3.44	3.44	0.49	194.90	1.67	194.91	188.02	6.89	28.289	CC, ES
400.00	399.98	400.57	400.55	3.60	3.60	-154.32	194.73	3.43	196.33	189.14	7.20	27.282	
500.00	499.84	500.95	500.79	3.79	3.80	-153.43	194.22	8.68	200.64	193.05	7.59	26.451	
600.00	599.45	600.97	600.42	4.02	4.04	-152.03	193.38	17.39	207.90	199.85	8.06	25.805	
700.00	698.70	700.46	699.15	4.29	4.31	-150.22	192.22	29.48	218.23	209.63	8.60	25.375	
800.00	797.47	799.23	796.70	4.59	4.62	-148.13	190.73	44.86	231.74	222.54	9.21	25.168	
900.00	895.62	897.13	892.81	4.93	4.95	-145.88	188.95	63.39	248.53	238.66	9.87	25.169	
1,000.00	993.06	1,005.89	987.35	5.31	5.37	-143.58	186.87	84.93	268.66	258.02	10.64	25.247	
1,100.00	1,089.64	1,091.07	1,081.58	5.72	5.71	-141.69	184.68	107.65	291.91	280.54	11.37	25.682	
1,200.00	1,185.27	1,187.49	1,175.29	6.16	6.12	-140.40	182.50	130.25	317.95	305.77	12.18	26.112	
1,300.00	1,279.82	1,283.26	1,268.36	6.64	6.54	-139.59	180.33	152.69	346.62	333.60	13.02	26.620	
1,400.00	1,373.17	1,378.25	1,360.69	7.15	6.97	-139.16	178.19	174.96	377.84	363.94	13.90	27.191	
1,500.00	1,465.21	1,472.36	1,452.16	7.70	7.41	-139.03	176.06	197.01	411.56	396.76	14.80	27.815	
1,600.00	1,555.84	1,565.48	1,542.65	8.30	7.85	-139.12	173.95	218.83	447.78	432.06	15.72	28.485	
1,651.50	1,601.92	1,613.00	1,588.84	8.62	8.08	-139.23	172.88	229.97	467.41	451.20	16.20	28.845	
1,700.00	1,645.13	1,657.61	1,632.20	8.93	8.29	-139.60	171.87	240.43	486.21	469.55	16.66	29.183	
1,800.00	1,734.20	1,749.60	1,721.60	9.58	8.74	-140.29	169.79	261.98	525.04	507.43	17.61	29.812	
1,900.00	1,823.28	1,841.59	1,811.00	10.25	9.19	-140.88	167.71	283.54	563.93	545.35	18.58	30.354	
2,000.00	1,912.36	1,933.57	1,900.40	10.94	9.65	-141.39	165.63	305.10	602.85	583.30	19.56	30.826	
2,100.00	2,001.43	2,025.56	1,989.80	11.63	10.11	-141.84	163.55	326.65	641.82	621.27	20.55	31.237	
2,200.00	2,090.51	2,117.54	2,079.20	12.34	10.57	-142.24	161.47	348.21	680.81	659.27	21.55	31.599	
2,300.00	2,179.59	2,209.53	2,168.60	13.05	11.04	-142.60	159.40	369.77	719.83	697.28	22.55	31.918	
2,400.00	2,268.66	2,301.51	2,258.00	13.76	11.51	-142.92	157.32	391.33	758.87	735.30	23.57	32.201	
2,500.00	2,357.74	2,406.50	2,347.40	14.49	12.05	-143.21	155.24	412.88	797.93	773.28	24.65	32.367	
2,600.00	2,446.82	2,485.48	2,436.79	15.21	12.45	-143.47	153.16	434.44	837.00	811.39	25.61	32.681	
2,700.00	2,535.89	2,577.47	2,526.19	15.95	12.93	-143.71	151.08	456.00	876.09	849.45	26.64	32.885	
2,800.00	2,624.97	2,669.46	2,615.59	16.68	13.40	-143.93	149.00	477.56	915.19	887.52	27.68	33.069	
2,900.00	2,714.05	2,761.44	2,704.99	17.42	13.88	-144.13	146.92	499.11	954.30	925.59	28.71	33.236	
3,000.00	2,803.12	2,853.43	2,794.39	18.16	14.36	-144.32	144.84	520.67	993.42	963.67	29.75	33.388	
3,100.00	2,892.20	2,945.41	2,883.79	18.90	14.84	-144.49	142.76	542.23	1,032.55	1,001.75	30.80	33.527	
3,200.00	2,981.28	3,037.40	2,973.19	19.65	15.32	-144.65	140.68	563.78	1,071.68	1,039.84	31.84	33.654	
3,300.00	3,070.36	3,129.38	3,062.59	20.40	15.80	-144.79	138.60	585.34	1,110.82	1,077.93	32.89	33.771	
3,400.00	3,159.43	3,221.37	3,151.99	21.14	16.28	-144.93	136.52	606.90	1,149.97	1,116.03	33.94	33.879	
3,500.00	3,248.51	3,313.35	3,241.39	21.89	16.76	-145.06	134.44	628.46	1,189.12	1,154.12	35.00	33.978	
3,600.00	3,337.59	3,405.34	3,330.79	22.65	17.25	-145.18	132.36	650.01	1,228.28	1,192.23	36.05	34.070	
3,700.00	3,426.66	3,502.68	3,420.19	23.40	17.76	-145.29	130.29	671.57	1,267.44	1,230.30	37.14	34.130	
3,800.00	3,515.74	3,589.31	3,509.59	24.15	18.22	-145.40	128.21	693.13	1,306.60	1,268.44	38.17	34.235	
3,900.00	3,604.82	3,681.30	3,598.99	24.91	18.70	-145.50	126.13	714.69	1,345.77	1,306.55	39.23	34.309	
4,000.00	3,693.89	3,773.28	3,688.39	25.66	19.19	-145.59	124.05	736.24	1,384.94	1,344.66	40.29	34.378	
4,100.00	3,782.97	3,865.27	3,777.79	26.42	19.67	-145.68	121.97	757.80	1,424.12	1,382.77	41.35	34.443	
4,200.00	3,872.05	3,957.25	3,867.19	27.18	20.16	-145.76	119.89	779.36	1,463.29	1,420.88	42.41	34.503	
4,300.00	3,961.12	4,049.24	3,956.59	27.94	20.65	-145.84	117.81	800.91	1,502.47	1,459.00	43.47	34.560	
4,400.00	4,050.20	4,141.22	4,045.99	28.69	21.14	-145.92	115.73	822.47	1,541.66	1,497.12	44.54	34.614	
4,500.00	4,139.28	4,233.21	4,135.39	29.45	21.62	-145.99	113.65	844.03	1,580.84	1,535.24	45.60	34.664	
4,600.00	4,228.35	4,325.19	4,224.79	30.21	22.11	-146.06	111.57	865.59	1,620.03	1,573.36	46.67	34.711	
4,700.00	4,317.43	4,417.18	4,314.19	30.97	22.60	-146.12	109.49	887.14	1,659.22	1,611.48	47.74	34.756	
4,800.00	4,406.51	4,509.17	4,403.59	31.73	23.09	-146.19	107.41	908.70	1,698.41	1,649.60	48.81	34.799	
4,900.00	4,495.59	4,601.15	4,492.99	32.50	23.58	-146.25	105.33	930.26	1,737.60	1,687.72	49.88	34.839	
5,000.00	4,584.66	4,706.86	4,582.39	33.26	24.14	-146.30	103.26	951.82	1,776.79	1,725.77	51.02	34.827	

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

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

Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,785.12	4,671.79	34.02	24.56	-146.36	101.18	973.37	1,815.98	1,763.97	52.01	34.913	
5,200.00	4,762.82	4,877.11	4,761.19	34.78	25.05	-146.41	99.10	994.93	1,855.18	1,802.10	53.09	34.947	
5,300.00	4,851.89	4,969.09	4,850.59	35.54	25.54	-146.46	97.02	1,016.49	1,894.38	1,840.22	54.16	34.980	
5,400.00	4,940.97	5,061.08	4,939.99	36.31	26.03	-146.51	94.94	1,038.04	1,933.58	1,878.35	55.23	35.011	
5,500.00	5,030.05	5,153.06	5,029.39	37.07	26.52	-146.55	92.86	1,059.60	1,972.78	1,916.47	56.30	35.040	
5,600.00	5,119.12	5,245.05	5,118.78	37.83	27.01	-146.60	90.78	1,081.16	2,011.98	1,954.60	57.37	35.068	
5,700.00	5,208.20	5,337.04	5,208.18	38.60	27.50	-146.64	88.70	1,102.72	2,051.18	1,992.73	58.45	35.095	
5,800.00	5,297.28	5,429.02	5,297.58	39.36	27.99	-146.68	86.62	1,124.27	2,090.38	2,030.86	59.52	35.121	
5,900.00	5,386.35	5,520.94	5,387.08	40.13	28.47	-146.74	84.61	1,145.14	2,129.58	2,069.00	60.58	35.152	
6,000.00	5,475.43	5,612.62	5,476.94	40.89	28.93	-146.88	82.86	1,163.23	2,168.80	2,107.19	61.61	35.201	
6,100.00	5,564.51	5,703.90	5,566.93	41.66	29.37	-147.09	81.40	1,178.40	2,208.04	2,145.44	62.60	35.271	
6,200.00	5,653.58	5,794.60	5,656.79	42.42	29.78	-147.38	80.22	1,190.63	2,247.35	2,183.79	63.55	35.363	
6,300.00	5,742.66	5,884.54	5,746.23	43.19	30.16	-147.73	79.32	1,199.96	2,286.74	2,222.28	64.46	35.475	
6,400.00	5,831.74	5,973.55	5,835.01	43.95	30.53	-148.13	78.70	1,206.44	2,326.28	2,260.95	65.33	35.608	
6,500.00	5,920.82	6,061.49	5,922.86	44.72	30.87	-148.60	78.34	1,210.13	2,366.01	2,299.85	66.16	35.761	
6,600.00	6,009.89	6,148.53	6,009.89	45.48	31.19	-149.11	78.24	1,211.17	2,405.99	2,339.03	66.96	35.933	
6,700.00	6,098.97	6,237.61	6,098.97	46.25	31.51	-149.64	78.24	1,211.17	2,446.18	2,378.43	67.75	36.104	
6,800.00	6,188.05	6,326.68	6,188.05	47.01	31.83	-150.15	78.24	1,211.17	2,486.56	2,418.01	68.55	36.273	
6,900.00	6,277.12	6,415.76	6,277.12	47.78	32.15	-150.65	78.24	1,211.17	2,527.11	2,457.76	69.35	36.439	
7,000.00	6,366.20	6,504.84	6,366.20	48.55	32.48	-151.14	78.24	1,211.17	2,567.83	2,497.67	70.15	36.602	
7,100.00	6,455.28	6,596.68	6,458.03	49.31	32.81	-151.64	78.23	1,210.23	2,608.68	2,537.71	70.98	36.755	
7,197.64	6,542.25	6,685.80	6,546.38	50.06	33.12	-152.35	78.18	1,199.17	2,648.63	2,576.92	71.71	36.933	
7,200.00	6,544.35	6,687.84	6,548.39	50.08	33.13	-152.85	78.17	1,198.77	2,649.60	2,577.87	71.73	36.938	
7,250.00	6,589.22	6,730.63	6,590.03	50.44	33.28	-163.98	78.12	1,188.97	2,670.31	2,598.25	72.07	37.053	
7,300.00	6,634.48	6,772.57	6,630.11	50.77	33.45	-175.88	78.06	1,176.67	2,691.28	2,618.90	72.38	37.181	
7,350.00	6,679.86	6,813.79	6,668.64	51.06	33.62	171.98	77.98	1,162.03	2,712.35	2,639.67	72.68	37.317	
7,400.00	6,725.09	6,854.45	6,705.64	51.31	33.80	160.22	77.89	1,145.18	2,733.38	2,660.40	72.98	37.456	
7,450.00	6,769.87	6,894.67	6,741.10	51.52	33.99	149.34	77.79	1,126.22	2,754.22	2,680.96	73.27	37.591	
7,500.00	6,813.94	6,934.53	6,775.00	51.69	34.19	139.62	77.68	1,105.26	2,774.74	2,701.17	73.57	37.717	
7,550.00	6,857.03	6,974.14	6,807.32	51.84	34.41	131.14	77.56	1,082.37	2,794.78	2,720.90	73.88	37.830	
7,600.00	6,898.86	7,013.57	6,838.01	51.95	34.64	123.81	77.44	1,057.63	2,814.23	2,740.02	74.21	37.924	
7,650.00	6,939.19	7,052.87	6,867.02	52.05	34.89	117.52	77.30	1,031.13	2,832.94	2,758.38	74.56	37.996	
7,700.00	6,977.75	7,092.09	6,894.30	52.13	35.16	112.11	77.15	1,002.95	2,850.81	2,775.86	74.95	38.038	
7,750.00	7,014.32	7,131.29	6,919.76	52.20	35.45	107.46	76.99	973.16	2,867.71	2,792.34	75.37	38.046	
7,800.00	7,048.67	7,170.49	6,943.35	52.26	35.77	103.47	76.83	941.86	2,883.55	2,807.70	75.84	38.019	
7,850.00	7,080.59	7,209.72	6,964.98	52.33	36.10	100.04	76.66	909.15	2,898.21	2,821.84	76.36	37.952	
7,900.00	7,109.87	7,248.98	6,984.57	52.39	36.47	97.10	76.48	875.13	2,911.61	2,834.67	76.94	37.842	
7,950.00	7,136.35	7,288.29	7,002.05	52.47	36.86	94.61	76.29	839.93	2,923.67	2,846.08	77.59	37.683	
8,000.00	7,159.85	7,327.65	7,017.34	52.55	37.27	92.51	76.10	803.67	2,934.31	2,856.02	78.30	37.477	
8,050.00	7,180.23	7,367.05	7,030.38	52.64	37.71	90.76	75.91	766.49	2,943.47	2,864.40	79.07	37.224	
8,100.00	7,197.37	7,406.48	7,041.09	52.75	38.17	89.35	75.71	728.55	2,951.10	2,871.17	79.92	36.924	
8,150.00	7,211.16	7,445.93	7,049.44	52.88	38.65	88.26	75.51	690.00	2,957.14	2,876.29	80.85	36.578	
8,200.00	7,221.51	7,485.38	7,055.39	53.03	39.15	87.45	75.30	651.01	2,961.56	2,879.72	81.84	36.189	
8,250.00	7,228.37	7,524.80	7,058.91	53.20	39.66	86.93	75.10	611.75	2,964.34	2,881.45	82.89	35.764	
8,300.00	7,231.68	7,565.17	7,060.01	53.40	40.19	86.69	74.89	571.40	2,965.45	2,881.45	84.00	35.304	
8,317.45	7,232.00	7,582.62	7,060.05	53.47	40.43	86.67	74.80	553.95	2,965.43	2,881.00	84.43	35.122	
8,400.00	7,232.48	7,665.17	7,060.24	53.86	41.62	86.67	74.36	471.41	2,964.80	2,878.17	86.63	34.225	
8,500.00	7,233.06	7,765.16	7,060.47	54.44	43.19	86.66	73.84	371.42	2,964.04	2,874.51	89.53	33.106	
8,600.00	7,233.64	7,865.16	7,060.70	55.14	44.88	86.65	73.32	271.42	2,963.27	2,870.58	92.70	31.967	
8,700.00	7,234.22	7,965.15	7,060.93	55.99	46.68	86.64	72.79	171.43	2,962.51	2,866.41	96.10	30.829	
8,800.00	7,234.80	8,065.15	7,061.16	57.00	48.59	86.64	72.27	71.43	2,961.75	2,862.04	99.71	29.705	
8,900.00	7,235.39	8,165.15	7,061.39	58.18	50.59	86.63	71.74	-28.56	2,960.98	2,857.48	103.50	28.607	

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

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

Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,265.14	7,061.62	59.53	52.66	86.62	71.22	-128.56	2,960.22	2,852.75	107.47	27.544	
9,100.00	7,236.55	8,365.14	7,061.85	61.04	54.81	86.61	70.70	-228.55	2,959.46	2,847.87	111.59	26.521	
9,200.00	7,237.13	8,465.14	7,062.08	62.69	57.02	86.61	70.17	-328.55	2,958.69	2,842.85	115.84	25.541	
9,300.00	7,237.71	8,565.13	7,062.31	64.47	59.29	86.60	69.65	-428.54	2,957.93	2,837.72	120.22	24.605	
9,400.00	7,238.29	8,665.13	7,062.54	66.36	61.60	86.59	69.12	-528.54	2,957.17	2,832.47	124.70	23.715	
9,500.00	7,238.87	8,765.13	7,062.78	68.34	63.96	86.58	68.60	-628.53	2,956.41	2,827.13	129.27	22.869	
9,600.00	7,239.45	8,865.12	7,063.01	70.41	66.36	86.57	68.08	-728.53	2,955.64	2,821.70	133.94	22.067	
9,700.00	7,240.03	8,965.12	7,063.24	72.55	68.79	86.57	67.55	-828.52	2,954.88	2,816.20	138.68	21.307	
9,800.00	7,240.61	9,065.11	7,063.47	74.76	71.26	86.56	67.03	-928.51	2,954.12	2,810.62	143.49	20.587	
9,900.00	7,241.20	9,165.11	7,063.70	77.02	73.75	86.55	66.50	-1,028.51	2,953.35	2,804.99	148.37	19.906	
10,000.00	7,241.78	9,265.11	7,063.93	79.33	76.27	86.54	65.98	-1,128.50	2,952.59	2,799.29	153.30	19.260	
10,100.00	7,242.36	9,365.10	7,064.16	81.68	78.82	86.54	65.46	-1,228.50	2,951.83	2,793.54	158.29	18.649	
10,200.00	7,242.94	9,465.10	7,064.39	84.07	81.38	86.53	64.93	-1,328.49	2,951.07	2,787.75	163.32	18.069	
10,300.00	7,243.52	9,565.10	7,064.62	86.49	83.96	86.52	64.41	-1,428.49	2,950.30	2,781.91	168.39	17.520	
10,400.00	7,244.10	9,665.09	7,064.85	88.95	86.56	86.51	63.88	-1,528.48	2,949.54	2,776.03	173.51	17.000	
10,500.00	7,244.68	9,765.09	7,065.08	91.43	89.18	86.51	63.36	-1,628.48	2,948.78	2,770.12	178.66	16.505	
10,600.00	7,245.26	9,865.08	7,065.31	93.93	91.81	86.50	62.84	-1,728.47	2,948.02	2,764.18	183.84	16.036	
10,700.00	7,245.84	9,965.08	7,065.54	96.46	94.45	86.49	62.31	-1,828.47	2,947.25	2,758.20	189.05	15.589	
10,800.00	7,246.42	10,065.08	7,065.77	99.01	97.11	86.48	61.79	-1,928.46	2,946.49	2,752.20	194.30	15.165	
10,900.00	7,247.01	10,165.07	7,066.00	101.58	99.77	86.47	61.26	-2,028.46	2,945.73	2,746.17	199.56	14.761	
11,000.00	7,247.59	10,265.07	7,066.23	104.16	102.45	86.47	60.74	-2,128.45	2,944.97	2,740.12	204.85	14.376	
11,100.00	7,248.17	10,365.07	7,066.46	106.76	105.14	86.46	60.22	-2,228.45	2,944.20	2,734.04	210.16	14.009	
11,200.00	7,248.75	10,465.06	7,066.69	109.37	107.83	86.45	59.69	-2,328.44	2,943.44	2,727.95	215.50	13.659	
11,300.00	7,249.33	10,565.06	7,066.92	112.00	110.54	86.44	59.17	-2,428.43	2,942.68	2,721.83	220.85	13.325	
11,400.00	7,249.91	10,665.06	7,067.16	114.64	113.25	86.44	58.64	-2,528.43	2,941.92	2,715.70	226.21	13.005	
11,500.00	7,250.49	10,765.05	7,067.39	117.29	115.97	86.43	58.12	-2,628.42	2,941.16	2,709.56	231.60	12.699	
11,600.00	7,251.07	10,865.05	7,067.62	119.95	118.69	86.42	57.60	-2,728.42	2,940.39	2,703.40	237.00	12.407	
11,700.00	7,251.65	10,965.04	7,067.85	122.62	121.42	86.41	57.07	-2,828.41	2,939.63	2,697.22	242.41	12.127	
11,800.00	7,252.23	11,065.04	7,068.08	125.30	124.16	86.40	56.55	-2,928.41	2,938.87	2,691.03	247.84	11.858	
11,900.00	7,252.82	11,165.04	7,068.31	127.98	126.90	86.40	56.02	-3,028.40	2,938.11	2,684.83	253.28	11.600	
12,000.00	7,253.40	11,265.03	7,068.54	130.68	129.65	86.39	55.50	-3,128.40	2,937.35	2,678.62	258.73	11.353	
12,100.00	7,253.98	11,365.03	7,068.77	133.38	132.40	86.38	54.98	-3,228.39	2,936.59	2,672.40	264.19	11.116	
12,200.00	7,254.56	11,465.03	7,069.00	136.09	135.16	86.37	54.45	-3,328.39	2,935.82	2,666.17	269.66	10.887	
12,300.00	7,255.14	11,565.02	7,069.23	138.81	137.92	86.37	53.93	-3,428.38	2,935.06	2,659.92	275.14	10.668	
12,400.00	7,255.72	11,665.02	7,069.46	141.53	140.68	86.36	53.40	-3,528.38	2,934.30	2,653.67	280.63	10.456	
12,500.00	7,256.30	11,765.01	7,069.69	144.26	143.45	86.35	52.88	-3,628.37	2,933.54	2,647.41	286.13	10.253	
12,600.00	7,256.88	11,865.01	7,069.92	146.99	146.22	86.34	52.36	-3,728.37	2,932.78	2,641.15	291.63	10.056	
12,700.00	7,257.46	11,965.01	7,070.15	149.73	149.00	86.33	51.83	-3,828.36	2,932.02	2,634.87	297.15	9.867	
12,800.00	7,258.04	12,065.00	7,070.38	152.47	151.78	86.33	51.31	-3,928.35	2,931.26	2,628.59	302.67	9.685	
12,900.00	7,258.63	12,165.00	7,070.61	155.22	154.56	86.32	50.78	-4,028.35	2,930.50	2,622.30	308.19	9.509	
13,000.00	7,259.21	12,265.00	7,070.84	157.97	157.34	86.31	50.26	-4,128.34	2,929.73	2,616.01	313.73	9.339	
13,100.00	7,259.79	12,364.99	7,071.07	160.72	160.13	86.30	49.74	-4,228.34	2,928.97	2,609.71	319.27	9.174	
13,200.00	7,260.37	12,464.99	7,071.31	163.48	162.92	86.30	49.21	-4,328.33	2,928.21	2,603.40	324.81	9.015	
13,300.00	7,260.95	12,564.99	7,071.54	166.24	165.71	86.29	48.69	-4,428.33	2,927.45	2,597.09	330.36	8.861	
13,400.00	7,261.53	12,664.98	7,071.77	169.01	168.50	86.28	48.16	-4,528.32	2,926.69	2,590.77	335.92	8.713	
13,480.77	7,262.00	12,745.75	7,071.95	171.24	170.76	86.27	47.74	-4,609.09	2,926.08	2,585.67	340.41	8.596	SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	150.10	1.39	150.10				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	150.10	1.39	150.10	143.54	6.57	22.849	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	150.10	1.39	150.10	143.43	6.67	22.491	
300.00	300.00	302.60	302.58	3.44	3.44	1.14	149.18	2.98	149.23	142.34	6.89	21.653	
400.00	399.98	405.03	404.85	3.60	3.61	-152.43	146.43	7.74	148.26	141.05	7.21	20.573	
411.86	411.84	417.16	416.95	3.62	3.63	-152.20	145.98	8.52	148.25	141.00	7.25	20.448	CC, ES
500.00	499.84	507.22	506.63	3.79	3.81	-150.25	141.87	15.64	148.90	141.29	7.61	19.570	
600.00	599.45	609.11	607.72	4.02	4.07	-147.53	135.52	26.65	151.32	143.22	8.10	18.690	
700.00	698.70	710.64	707.94	4.29	4.36	-144.39	127.40	40.70	155.69	147.04	8.66	17.983	
800.00	797.47	811.73	807.09	4.59	4.70	-140.97	117.57	57.74	162.21	152.92	9.29	17.460	
900.00	895.62	911.70	904.49	4.93	5.06	-137.58	106.30	77.24	171.09	161.10	9.99	17.133	
1,000.00	993.06	1,010.75	1,000.88	5.31	5.46	-135.11	94.90	96.99	182.82	172.09	10.74	17.027	
1,100.00	1,089.64	1,109.61	1,097.09	5.72	5.87	-133.62	83.52	116.70	197.20	185.66	11.54	17.090	
1,200.00	1,185.27	1,208.18	1,193.00	6.16	6.30	-132.96	72.18	136.35	214.00	201.62	12.38	17.283	
1,300.00	1,279.82	1,306.31	1,288.50	6.64	6.75	-132.96	60.88	155.92	233.15	219.89	13.26	17.582	
1,400.00	1,373.17	1,403.91	1,383.48	7.15	7.20	-133.47	49.65	175.38	254.66	240.49	14.17	17.973	
1,500.00	1,465.21	1,500.84	1,477.80	7.70	7.66	-134.34	38.49	194.70	278.59	263.48	15.10	18.446	
1,600.00	1,555.84	1,603.01	1,571.37	8.30	8.14	-135.46	27.42	213.87	305.03	288.95	16.09	18.962	
1,651.50	1,601.92	1,646.16	1,619.22	8.62	8.35	-136.10	21.76	223.68	319.66	303.11	16.56	19.307	
1,700.00	1,645.13	1,692.35	1,664.17	8.93	8.58	-136.89	16.44	232.89	333.80	316.78	17.03	19.604	
1,800.00	1,734.20	1,787.60	1,756.86	9.58	9.05	-138.32	5.48	251.88	363.12	345.11	18.01	20.167	
1,900.00	1,823.28	1,882.84	1,849.54	10.25	9.52	-139.53	-5.48	270.87	392.61	373.62	19.00	20.669	
2,000.00	1,912.36	1,978.08	1,942.23	10.94	9.99	-140.58	-16.45	289.85	422.25	402.25	20.00	21.117	
2,100.00	2,001.43	2,073.32	2,034.91	11.63	10.47	-141.49	-27.41	308.84	451.99	430.99	21.00	21.519	
2,200.00	2,090.51	2,168.56	2,127.59	12.34	10.95	-142.29	-38.37	327.83	481.83	459.81	22.02	21.881	
2,300.00	2,179.59	2,263.81	2,220.28	13.05	11.44	-142.99	-49.34	346.82	511.74	488.70	23.04	22.209	
2,400.00	2,268.66	2,359.05	2,312.96	13.76	11.92	-143.62	-60.30	365.81	541.72	517.65	24.07	22.506	
2,500.00	2,357.74	2,454.29	2,405.64	14.49	12.41	-144.18	-71.26	384.80	571.75	546.65	25.10	22.776	
2,600.00	2,446.82	2,549.53	2,498.33	15.21	12.90	-144.69	-82.23	403.79	601.82	575.68	26.14	23.023	
2,700.00	2,535.89	2,644.77	2,591.01	15.95	13.39	-145.15	-93.19	422.78	631.94	604.76	27.18	23.250	
2,800.00	2,624.97	2,740.02	2,683.69	16.68	13.88	-145.57	-104.15	441.77	662.08	633.86	28.22	23.458	
2,900.00	2,714.05	2,835.26	2,776.38	17.42	14.38	-145.95	-115.12	460.76	692.26	662.99	29.27	23.649	
3,000.00	2,803.12	2,930.50	2,869.06	18.16	14.87	-146.29	-126.08	479.74	722.46	692.14	30.32	23.827	
3,100.00	2,892.20	3,025.74	2,961.75	18.90	15.37	-146.62	-137.04	498.73	752.68	721.31	31.37	23.991	
3,200.00	2,981.28	3,120.98	3,054.43	19.65	15.87	-146.91	-148.01	517.72	782.93	750.50	32.43	24.143	
3,300.00	3,070.36	3,216.23	3,147.11	20.40	16.36	-147.18	-158.97	536.71	813.19	779.70	33.48	24.285	
3,400.00	3,159.43	3,311.47	3,239.80	21.14	16.86	-147.44	-169.93	555.70	843.47	808.92	34.54	24.418	
3,500.00	3,248.51	3,406.71	3,332.48	21.89	17.36	-147.68	-180.90	574.69	873.76	838.15	35.60	24.542	
3,600.00	3,337.59	3,501.95	3,425.16	22.65	17.86	-147.90	-191.86	593.68	904.06	867.40	36.66	24.658	
3,700.00	3,426.66	3,602.81	3,517.85	23.40	18.39	-148.10	-202.82	612.67	934.38	896.62	37.76	24.748	
3,800.00	3,515.74	3,707.57	3,610.53	24.15	18.94	-148.30	-213.79	631.66	964.70	925.83	38.87	24.819	
3,900.00	3,604.82	3,787.68	3,703.21	24.91	19.36	-148.48	-224.75	650.64	995.04	955.18	39.86	24.965	
4,000.00	3,693.89	3,882.92	3,795.90	25.66	19.86	-148.65	-235.71	669.63	1,025.38	984.46	40.92	25.056	
4,100.00	3,782.97	3,978.16	3,888.58	26.42	20.36	-148.81	-246.68	688.62	1,055.73	1,013.74	41.99	25.142	
4,200.00	3,872.05	4,073.40	3,981.26	27.18	20.87	-148.96	-257.64	707.61	1,086.09	1,043.03	43.06	25.223	
4,300.00	3,961.12	4,168.64	4,073.95	27.94	21.37	-149.11	-268.60	726.60	1,116.45	1,072.32	44.13	25.300	
4,400.00	4,050.20	4,263.89	4,166.63	28.69	21.87	-149.24	-279.57	745.59	1,146.82	1,101.63	45.20	25.373	
4,500.00	4,139.28	4,359.13	4,259.32	29.45	22.37	-149.37	-290.53	764.58	1,177.20	1,130.93	46.27	25.442	
4,600.00	4,228.35	4,454.37	4,352.00	30.21	22.88	-149.50	-301.49	783.57	1,207.58	1,160.24	47.34	25.508	
4,700.00	4,317.43	4,549.61	4,444.68	30.97	23.38	-149.61	-312.46	802.56	1,237.97	1,189.56	48.41	25.571	
4,800.00	4,406.51	4,644.85	4,537.37	31.73	23.88	-149.72	-323.42	821.55	1,268.36	1,218.87	49.49	25.630	
4,900.00	4,495.59	4,740.10	4,630.05	32.50	24.39	-149.83	-334.38	840.53	1,298.75	1,248.19	50.56	25.687	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,835.34	4,722.73	33.26	24.89	-149.93	-345.34	859.52	1,329.15	1,277.52	51.63	25.742	
5,100.00	4,673.74	4,930.58	4,815.42	34.02	25.40	-150.03	-356.31	878.51	1,359.56	1,306.85	52.71	25.794	
5,200.00	4,762.82	5,025.82	4,908.10	34.78	25.90	-150.12	-367.27	897.50	1,389.96	1,336.18	53.78	25.844	
5,300.00	4,851.89	5,121.06	5,000.78	35.54	26.41	-150.21	-378.23	916.49	1,420.37	1,365.51	54.86	25.891	
5,400.00	4,940.97	5,216.31	5,093.47	36.31	26.91	-150.29	-389.20	935.48	1,450.78	1,394.85	55.94	25.937	
5,500.00	5,030.05	5,311.55	5,186.15	37.07	27.42	-150.37	-400.16	954.47	1,481.20	1,424.19	57.01	25.981	
5,600.00	5,119.12	5,406.79	5,278.84	37.83	27.92	-150.45	-411.12	973.46	1,511.61	1,453.53	58.09	26.023	
5,700.00	5,208.20	5,502.03	5,371.52	38.60	28.43	-150.53	-422.09	992.45	1,542.03	1,482.87	59.17	26.063	
5,800.00	5,297.28	5,602.73	5,464.20	39.36	28.96	-150.60	-433.05	1,011.44	1,572.46	1,512.19	60.27	26.090	
5,900.00	5,386.35	5,707.48	5,556.89	40.13	29.52	-150.67	-444.01	1,030.42	1,602.88	1,541.48	61.40	26.106	
6,000.00	5,475.43	5,787.76	5,649.57	40.89	29.95	-150.73	-454.98	1,049.41	1,633.31	1,570.91	62.40	26.175	
6,100.00	5,564.51	5,883.00	5,742.25	41.66	30.45	-150.80	-465.94	1,068.40	1,663.74	1,600.26	63.48	26.210	
6,200.00	5,653.58	5,978.24	5,834.94	42.42	30.96	-150.86	-476.90	1,087.39	1,694.17	1,629.61	64.56	26.243	
6,300.00	5,742.66	6,073.48	5,927.62	43.19	31.47	-150.92	-487.87	1,106.38	1,724.60	1,658.96	65.64	26.275	
6,400.00	5,831.74	6,168.73	6,020.30	43.95	31.97	-150.98	-498.83	1,125.37	1,755.03	1,688.31	66.72	26.306	
6,500.00	5,920.82	6,263.97	6,112.99	44.72	32.48	-151.03	-509.79	1,144.36	1,785.47	1,717.67	67.80	26.336	
6,600.00	6,009.89	6,359.21	6,205.67	45.48	32.99	-151.09	-520.76	1,163.35	1,815.90	1,747.03	68.88	26.365	
6,700.00	6,098.97	6,454.45	6,298.36	46.25	33.49	-151.14	-531.72	1,182.34	1,846.34	1,776.38	69.96	26.393	
6,800.00	6,188.05	6,549.88	6,391.34	47.01	33.99	-151.21	-542.69	1,200.71	1,876.78	1,805.75	71.03	26.423	
6,900.00	6,277.12	6,643.96	6,484.44	47.78	34.41	-151.61	-553.21	1,208.34	1,907.24	1,835.29	71.95	26.509	
7,000.00	6,366.20	6,732.53	6,572.27	48.55	34.70	-152.37	-562.58	1,202.85	1,937.98	1,865.32	72.66	26.671	
7,100.00	6,455.28	6,813.02	6,650.79	49.31	34.96	-153.34	-570.49	1,187.29	1,969.47	1,896.23	73.24	26.891	
7,197.64	6,542.25	6,882.72	6,716.78	50.06	35.18	-154.39	-576.78	1,165.87	2,001.46	1,927.77	73.69	27.160	
7,200.00	6,544.35	6,884.30	6,718.24	50.08	35.19	-154.88	-576.91	1,165.30	2,002.25	1,928.55	73.70	27.167	
7,250.00	6,589.22	6,917.40	6,748.66	50.44	35.30	-165.73	-579.69	1,152.55	2,019.34	1,945.45	73.90	27.327	
7,300.00	6,634.48	6,950.00	6,777.94	50.77	35.42	-177.36	-582.28	1,138.45	2,036.91	1,962.83	74.08	27.498	
7,350.00	6,679.86	6,982.24	6,806.15	51.06	35.54	170.76	-584.70	1,123.05	2,054.79	1,980.54	74.25	27.674	
7,400.00	6,725.09	7,014.13	6,833.27	51.31	35.67	159.24	-586.94	1,106.43	2,072.84	1,998.42	74.42	27.855	
7,450.00	6,769.87	7,045.76	6,859.33	51.52	35.81	148.58	-589.02	1,088.61	2,090.91	2,016.33	74.58	28.035	
7,500.00	6,813.94	7,077.19	6,884.31	51.69	35.95	139.08	-590.93	1,069.66	2,108.87	2,034.11	74.76	28.208	
7,550.00	6,857.03	7,108.45	6,908.22	51.84	36.10	130.78	-592.67	1,049.59	2,126.58	2,051.63	74.95	28.374	
7,600.00	6,898.86	7,139.60	6,931.04	51.95	36.26	123.63	-594.25	1,028.46	2,143.90	2,068.74	75.16	28.525	
7,650.00	6,939.19	7,170.66	6,952.76	52.05	36.44	117.48	-595.66	1,006.30	2,160.71	2,085.32	75.39	28.659	
7,700.00	6,977.75	7,200.00	6,972.26	52.13	36.61	112.22	-596.85	984.42	2,176.90	2,101.25	75.65	28.778	
7,750.00	7,014.32	7,232.67	6,992.78	52.20	36.82	107.68	-597.99	959.03	2,192.35	2,116.38	75.97	28.858	
7,800.00	7,048.67	7,263.66	7,011.02	52.26	37.03	103.78	-598.90	934.00	2,206.98	2,130.65	76.33	28.915	
7,850.00	7,080.59	7,300.00	7,030.85	52.33	37.29	100.42	-599.74	903.56	2,220.68	2,143.91	76.77	28.926	
7,900.00	7,109.87	7,325.71	7,043.82	52.39	37.49	97.57	-600.20	881.36	2,233.34	2,156.13	77.21	28.926	
7,950.00	7,136.35	7,356.81	7,058.30	52.47	37.74	95.12	-600.59	853.85	2,244.93	2,167.18	77.75	28.874	
8,000.00	7,159.85	7,387.97	7,071.46	52.55	38.01	93.06	-600.80	825.61	2,255.35	2,176.98	78.37	28.780	
8,050.00	7,180.23	7,419.21	7,083.26	52.64	38.30	91.35	-600.84	796.69	2,264.55	2,185.49	79.06	28.643	
8,100.00	7,197.37	7,450.00	7,093.50	52.75	38.60	89.96	-600.70	767.65	2,272.47	2,192.64	79.83	28.466	
8,150.00	7,211.16	7,481.93	7,102.62	52.88	38.92	88.87	-600.37	737.06	2,279.08	2,198.38	80.70	28.243	
8,200.00	7,221.51	7,513.43	7,110.13	53.03	39.26	88.07	-599.86	706.48	2,284.32	2,202.69	81.63	27.983	
8,250.00	7,228.37	7,550.00	7,116.94	53.20	39.66	87.55	-599.05	670.56	2,288.20	2,205.52	82.67	27.677	
8,300.00	7,231.68	7,576.72	7,120.61	53.40	39.97	87.28	-598.30	644.10	2,290.65	2,206.92	83.72	27.360	
8,317.45	7,232.00	7,587.81	7,121.81	53.47	40.10	87.25	-597.95	633.08	2,291.18	2,207.06	84.11	27.239	
8,400.00	7,232.48	7,640.56	7,124.90	53.86	40.73	87.32	-596.01	580.48	2,293.80	2,207.78	86.02	26.665	
8,500.00	7,233.06	7,735.10	7,125.20	54.44	41.97	87.32	-591.94	486.03	2,297.85	2,209.15	88.69	25.908	
8,600.00	7,233.64	7,835.01	7,125.44	55.14	43.42	87.32	-587.63	386.20	2,301.91	2,210.25	91.66	25.113	
8,700.00	7,234.22	7,934.93	7,125.68	55.99	45.01	87.31	-583.32	286.38	2,305.97	2,211.09	94.88	24.304	
8,800.00	7,234.80	8,034.85	7,125.92	57.00	46.72	87.31	-579.01	186.55	2,310.03	2,211.70	98.33	23.493	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,134.77	7,126.16	58.18	48.55	87.31	-574.70	86.73	2,314.09	2,212.11	101.98	22.691	
9,000.00	7,235.97	8,234.68	7,126.40	59.53	50.48	87.30	-570.40	-13.09	2,318.16	2,212.33	105.82	21.906	
9,100.00	7,236.55	8,334.60	7,126.64	61.04	52.50	87.30	-566.09	-112.92	2,322.22	2,212.39	109.82	21.145	
9,200.00	7,237.13	8,434.52	7,126.88	62.69	54.60	87.29	-561.78	-212.74	2,326.28	2,212.31	113.97	20.411	
9,300.00	7,237.71	8,534.44	7,127.12	64.47	56.77	87.29	-557.47	-312.57	2,330.34	2,212.09	118.25	19.706	
9,400.00	7,238.29	8,634.35	7,127.36	66.36	58.99	87.29	-553.16	-412.39	2,334.40	2,211.76	122.65	19.033	
9,500.00	7,238.87	8,857.90	7,127.89	68.34	64.14	87.27	-548.43	-635.84	2,336.83	2,207.60	129.24	18.082	
9,600.00	7,239.45	8,957.89	7,128.13	70.41	66.50	87.26	-549.41	-735.83	2,335.61	2,201.73	133.88	17.445	
9,700.00	7,240.03	9,057.88	7,128.37	72.55	68.89	87.25	-550.39	-835.82	2,334.38	2,195.78	138.61	16.842	
9,800.00	7,240.61	9,157.87	7,128.61	74.76	71.32	87.24	-551.38	-935.80	2,333.16	2,189.76	143.40	16.270	
9,900.00	7,241.20	9,257.87	7,128.85	77.02	73.79	87.23	-552.36	-1,035.79	2,331.93	2,183.68	148.26	15.729	
10,000.00	7,241.78	9,357.86	7,129.09	79.33	76.28	87.22	-553.34	-1,135.78	2,330.71	2,177.53	153.17	15.216	
10,100.00	7,242.36	9,457.85	7,129.33	81.68	78.79	87.21	-554.32	-1,235.76	2,329.48	2,171.34	158.14	14.730	
10,200.00	7,242.94	9,557.84	7,129.57	84.07	81.33	87.20	-555.30	-1,335.75	2,328.26	2,165.09	163.16	14.269	
10,300.00	7,243.52	9,657.83	7,129.81	86.49	83.89	87.19	-556.29	-1,435.74	2,327.03	2,158.81	168.23	13.833	
10,400.00	7,244.10	9,757.82	7,130.05	88.95	86.47	87.18	-557.27	-1,535.72	2,325.81	2,152.48	173.33	13.419	
10,500.00	7,244.68	9,857.82	7,130.29	91.43	89.06	87.18	-558.25	-1,635.71	2,324.58	2,146.12	178.47	13.025	
10,600.00	7,245.26	9,957.81	7,130.53	93.93	91.68	87.17	-559.23	-1,735.70	2,323.36	2,139.72	183.64	12.652	
10,700.00	7,245.84	10,057.80	7,130.77	96.46	94.30	87.16	-560.21	-1,835.68	2,322.13	2,133.29	188.84	12.297	
10,800.00	7,246.42	10,157.79	7,131.01	99.01	96.94	87.15	-561.19	-1,935.67	2,320.91	2,126.84	194.07	11.959	
10,900.00	7,247.01	10,257.78	7,131.25	101.58	99.59	87.14	-562.18	-2,035.66	2,319.69	2,120.35	199.33	11.637	
11,000.00	7,247.59	10,357.77	7,131.49	104.16	102.25	87.13	-563.16	-2,135.64	2,318.46	2,113.85	204.61	11.331	
11,100.00	7,248.17	10,457.77	7,131.73	106.76	104.93	87.12	-564.14	-2,235.63	2,317.24	2,107.32	209.92	11.039	
11,200.00	7,248.75	10,557.76	7,131.97	109.37	107.61	87.11	-565.12	-2,335.62	2,316.01	2,100.77	215.24	10.760	
11,300.00	7,249.33	10,657.75	7,132.21	112.00	110.30	87.10	-566.10	-2,435.60	2,314.79	2,094.20	220.59	10.494	
11,400.00	7,249.91	10,757.74	7,132.45	114.64	113.00	87.09	-567.08	-2,535.59	2,313.56	2,087.62	225.95	10.239	
11,500.00	7,250.49	10,857.73	7,132.69	117.29	115.71	87.08	-568.07	-2,635.58	2,312.34	2,081.01	231.33	9.996	
11,600.00	7,251.07	10,957.72	7,132.92	119.95	118.42	87.07	-569.05	-2,735.56	2,311.12	2,074.40	236.72	9.763	
11,700.00	7,251.65	11,057.72	7,133.16	122.62	121.14	87.06	-570.03	-2,835.55	2,309.89	2,067.77	242.13	9.540	
11,800.00	7,252.23	11,157.71	7,133.40	125.30	123.87	87.05	-571.01	-2,935.54	2,308.67	2,061.12	247.55	9.326	
11,900.00	7,252.82	11,257.70	7,133.64	127.98	126.60	87.04	-571.99	-3,035.52	2,307.44	2,054.46	252.98	9.121	
12,000.00	7,253.40	11,357.69	7,133.88	130.68	129.34	87.03	-572.98	-3,135.51	2,306.22	2,047.79	258.43	8.924	
12,100.00	7,253.98	11,457.68	7,134.12	133.38	132.08	87.02	-573.96	-3,235.50	2,305.00	2,041.11	263.88	8.735	
12,200.00	7,254.56	11,557.68	7,134.36	136.09	134.83	87.00	-574.94	-3,335.48	2,303.77	2,034.42	269.35	8.553	
12,300.00	7,255.14	11,657.67	7,134.60	138.81	137.58	86.99	-575.92	-3,435.47	2,302.55	2,027.72	274.82	8.378	
12,400.00	7,255.72	11,757.66	7,134.84	141.53	140.34	86.98	-576.90	-3,535.46	2,301.33	2,021.02	280.31	8.210	
12,500.00	7,256.30	11,857.65	7,135.08	144.26	143.10	86.97	-577.88	-3,635.44	2,300.10	2,014.30	285.80	8.048	
12,600.00	7,256.88	11,957.64	7,135.32	146.99	145.86	86.96	-578.87	-3,735.43	2,298.88	2,007.57	291.31	7.892	
12,700.00	7,257.46	12,057.63	7,135.56	149.73	148.63	86.95	-579.85	-3,835.42	2,297.66	2,000.84	296.82	7.741	
12,800.00	7,258.04	12,157.63	7,135.80	152.47	151.40	86.94	-580.83	-3,935.40	2,296.43	1,994.10	302.33	7.596	
12,900.00	7,258.63	12,257.62	7,136.04	155.22	154.18	86.93	-581.81	-4,035.39	2,295.21	1,987.35	307.86	7.455	
13,000.00	7,259.21	12,357.61	7,136.28	157.97	156.95	86.92	-582.79	-4,135.38	2,293.99	1,980.60	313.39	7.320	
13,100.00	7,259.79	12,457.60	7,136.52	160.72	159.73	86.91	-583.78	-4,235.36	2,292.76	1,973.84	318.92	7.189	
13,200.00	7,260.37	12,557.59	7,136.76	163.48	162.52	86.90	-584.76	-4,335.35	2,291.54	1,967.08	324.46	7.063	
13,300.00	7,260.95	12,657.58	7,137.00	166.24	165.30	86.89	-585.74	-4,435.34	2,290.32	1,960.31	330.01	6.940	
13,400.00	7,261.53	12,757.58	7,137.24	169.01	168.09	86.88	-586.72	-4,535.32	2,289.10	1,953.53	335.57	6.822	
13,480.77	7,262.00	12,838.34	7,137.43	171.24	170.34	86.87	-587.51	-4,616.08	2,288.11	1,948.05	340.05	6.729 SF	

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

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.46	104.92	0.83	104.92				
100.00	100.00	100.00	100.00	3.28	3.28	0.46	104.92	0.83	104.92	98.35	6.57	15.972	
200.00	200.00	200.00	200.00	3.34	3.34	0.46	104.92	0.83	104.92	98.25	6.67	15.721	
300.00	300.00	300.00	300.00	3.44	3.44	0.46	104.92	0.83	104.92	98.03	6.89	15.229	CC
400.00	399.98	402.70	402.68	3.60	3.60	-154.38	103.59	2.10	105.21	98.01	7.20	14.608	ES
500.00	499.84	505.37	505.20	3.79	3.80	-153.55	99.59	5.91	106.10	98.50	7.60	13.957	
600.00	599.45	608.00	607.41	4.02	4.05	-152.19	92.94	12.24	107.62	99.53	8.09	13.307	
700.00	698.70	710.56	709.15	4.29	4.33	-150.35	83.65	21.09	109.84	101.20	8.65	12.704	
800.00	797.47	813.02	810.28	4.59	4.64	-148.10	71.74	32.43	112.85	103.58	9.27	12.173	
900.00	895.62	915.37	910.65	4.93	5.00	-145.51	57.24	46.24	116.73	106.78	9.95	11.730	
1,000.00	993.06	1,017.57	1,010.09	5.31	5.39	-142.68	40.18	62.49	121.57	110.88	10.69	11.373	
1,100.00	1,089.64	1,119.62	1,108.49	5.72	5.82	-139.70	20.59	81.14	127.47	115.98	11.49	11.096	
1,200.00	1,185.27	1,219.45	1,204.15	6.16	6.27	-137.21	-0.08	100.83	135.15	122.82	12.33	10.959	
1,300.00	1,279.82	1,318.87	1,299.40	6.64	6.74	-135.91	-20.69	120.45	145.51	132.29	13.23	11.002	
1,400.00	1,373.17	1,418.03	1,394.42	7.15	7.22	-135.62	-41.24	140.02	158.39	144.23	14.16	11.187	
1,500.00	1,465.21	1,516.82	1,489.07	7.70	7.72	-136.13	-61.71	159.52	173.75	158.63	15.12	11.491	
1,600.00	1,555.84	1,615.11	1,583.25	8.30	8.22	-137.21	-82.08	178.91	191.66	175.55	16.11	11.901	
1,651.50	1,601.92	1,665.49	1,631.53	8.62	8.48	-137.92	-92.52	188.86	201.91	185.29	16.62	12.149	
1,700.00	1,645.13	1,712.86	1,676.92	8.93	8.73	-138.73	-102.34	198.21	211.92	194.81	17.10	12.389	
1,800.00	1,734.20	1,810.53	1,770.50	9.58	9.25	-140.18	-122.58	217.48	232.66	214.55	18.12	12.843	
1,900.00	1,823.28	1,908.20	1,864.09	10.25	9.77	-141.39	-142.83	236.76	253.53	234.39	19.14	13.246	
2,000.00	1,912.36	2,005.87	1,957.67	10.94	10.30	-142.42	-163.07	256.04	274.49	254.32	20.18	13.605	
2,100.00	2,001.43	2,103.54	2,051.25	11.63	10.83	-143.30	-183.31	275.31	295.52	274.30	21.22	13.926	
2,200.00	2,090.51	2,201.21	2,144.84	12.34	11.37	-144.07	-203.55	294.59	316.61	294.34	22.27	14.214	
2,300.00	2,179.59	2,301.12	2,238.42	13.05	11.92	-144.74	-223.79	313.86	337.75	314.40	23.35	14.467	
2,400.00	2,268.66	2,403.46	2,332.01	13.76	12.49	-145.33	-244.04	333.14	358.93	334.49	24.44	14.687	
2,500.00	2,357.74	2,505.79	2,425.59	14.49	13.06	-145.85	-264.28	352.42	380.14	354.60	25.54	14.887	
2,600.00	2,446.82	2,608.12	2,519.17	15.21	13.64	-146.32	-284.52	371.69	401.37	374.73	26.64	15.068	
2,700.00	2,535.89	2,689.55	2,612.76	15.95	14.10	-146.74	-304.76	390.97	422.63	395.00	27.63	15.294	
2,800.00	2,624.97	2,787.22	2,706.34	16.68	14.65	-147.12	-325.00	410.25	443.91	415.19	28.72	15.457	
2,900.00	2,714.05	2,884.89	2,799.93	17.42	15.20	-147.47	-345.25	429.52	465.21	435.40	29.81	15.606	
3,000.00	2,803.12	2,982.56	2,893.51	18.16	15.75	-147.79	-365.49	448.80	486.52	455.62	30.90	15.744	
3,100.00	2,892.20	3,080.23	2,987.09	18.90	16.31	-148.08	-385.73	468.07	507.84	475.84	32.00	15.872	
3,200.00	2,981.28	3,177.90	3,080.68	19.65	16.87	-148.34	-405.97	487.35	529.18	496.08	33.09	15.991	
3,300.00	3,070.36	3,275.57	3,174.26	20.40	17.42	-148.59	-426.21	506.63	550.52	516.33	34.19	16.100	
3,400.00	3,159.43	3,373.24	3,267.84	21.14	17.98	-148.82	-446.46	525.90	571.88	536.58	35.29	16.203	
3,500.00	3,248.51	3,470.91	3,361.43	21.89	18.54	-149.03	-466.70	545.18	593.24	556.84	36.40	16.299	
3,600.00	3,337.59	3,568.57	3,455.01	22.65	19.10	-149.23	-486.94	564.46	614.61	577.10	37.50	16.388	
3,700.00	3,426.66	3,666.24	3,548.60	23.40	19.66	-149.41	-507.18	583.73	635.98	597.37	38.61	16.472	
3,800.00	3,515.74	3,763.91	3,642.18	24.15	20.23	-149.58	-527.42	603.01	657.36	617.65	39.72	16.551	
3,900.00	3,604.82	3,861.58	3,735.76	24.91	20.79	-149.74	-547.67	622.28	678.75	637.92	40.83	16.625	
4,000.00	3,693.89	3,959.25	3,829.35	25.66	21.35	-149.89	-567.91	641.56	700.14	658.20	41.94	16.694	
4,100.00	3,782.97	4,056.92	3,922.93	26.42	21.91	-150.03	-588.15	660.84	721.54	678.49	43.05	16.760	
4,200.00	3,872.05	4,154.59	4,016.52	27.18	22.48	-150.17	-608.39	680.11	742.94	698.77	44.16	16.822	
4,300.00	3,961.12	4,252.26	4,110.10	27.94	23.04	-150.29	-628.63	699.39	764.34	719.06	45.28	16.881	
4,400.00	4,050.20	4,349.93	4,203.68	28.69	23.61	-150.41	-648.88	718.66	785.75	739.36	46.39	16.937	
4,500.00	4,139.28	4,447.60	4,297.27	29.45	24.17	-150.53	-669.12	737.94	807.16	759.65	47.51	16.990	
4,600.00	4,228.35	4,545.27	4,390.85	30.21	24.74	-150.63	-689.36	757.22	828.57	779.95	48.63	17.040	
4,700.00	4,317.43	4,642.93	4,484.44	30.97	25.30	-150.73	-709.60	776.49	849.99	800.25	49.74	17.088	
4,800.00	4,406.51	4,740.60	4,578.02	31.73	25.87	-150.83	-729.84	795.77	871.41	820.55	50.86	17.133	
4,900.00	4,495.59	4,838.27	4,671.60	32.50	26.43	-150.92	-750.09	815.05	892.83	840.85	51.98	17.177	
5,000.00	4,584.66	4,935.94	4,765.19	33.26	27.00	-151.01	-770.33	834.32	914.25	861.15	53.10	17.218	

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

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

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	5,033.61	4,858.77	34.02	27.57	-151.09	-790.57	853.60	935.67	881.45	54.22	17.257	
5,200.00	4,762.82	5,131.28	4,952.35	34.78	28.13	-151.17	-810.81	872.87	957.10	901.76	55.34	17.295	
5,300.00	4,851.89	5,228.95	5,045.94	35.54	28.70	-151.25	-831.05	892.15	978.53	922.07	56.46	17.331	
5,400.00	4,940.97	5,326.62	5,139.52	36.31	29.27	-151.32	-851.30	911.43	999.96	942.38	57.58	17.366	
5,500.00	5,030.05	5,424.29	5,233.11	37.07	29.83	-151.39	-871.54	930.70	1,021.39	962.68	58.70	17.399	
5,600.00	5,119.12	5,521.96	5,326.69	37.83	30.40	-151.46	-891.78	949.98	1,042.82	983.00	59.83	17.431	
5,700.00	5,208.20	5,619.63	5,420.27	38.60	30.97	-151.53	-912.02	969.26	1,064.25	1,003.31	60.95	17.462	
5,800.00	5,297.28	5,717.29	5,513.86	39.36	31.54	-151.59	-932.26	988.53	1,085.69	1,023.62	62.07	17.491	
5,900.00	5,386.35	5,814.96	5,607.44	40.13	32.11	-151.65	-952.51	1,007.81	1,107.12	1,043.93	63.19	17.519	
6,000.00	5,475.43	5,912.63	5,701.03	40.89	32.67	-151.71	-972.75	1,027.08	1,128.56	1,064.24	64.32	17.547	
6,100.00	5,564.51	6,010.30	5,794.61	41.66	33.24	-151.76	-992.99	1,046.36	1,150.00	1,084.56	65.44	17.573	
6,200.00	5,653.58	6,107.97	5,888.19	42.42	33.81	-151.81	-1,013.23	1,065.64	1,171.44	1,104.87	66.57	17.598	
6,300.00	5,742.66	6,205.64	5,981.78	43.19	34.38	-151.87	-1,033.47	1,084.91	1,192.88	1,125.19	67.69	17.622	
6,400.00	5,831.74	6,303.31	6,075.36	43.95	34.95	-151.91	-1,053.72	1,104.19	1,214.32	1,145.50	68.82	17.646	
6,500.00	5,920.82	6,400.98	6,168.95	44.72	35.52	-151.96	-1,073.96	1,123.46	1,235.76	1,165.82	69.94	17.669	
6,600.00	6,009.89	6,498.65	6,262.53	45.48	36.09	-152.01	-1,094.20	1,142.74	1,257.20	1,186.14	71.07	17.690	
6,700.00	6,098.97	6,603.68	6,356.11	46.25	36.70	-152.05	-1,114.44	1,162.02	1,278.65	1,206.42	72.23	17.702	
6,800.00	6,188.05	6,693.99	6,449.70	47.01	37.22	-152.10	-1,134.68	1,181.29	1,300.09	1,226.77	73.32	17.732	
6,900.00	6,277.12	6,797.85	6,549.74	47.78	37.80	-152.28	-1,156.31	1,198.58	1,321.40	1,246.95	74.45	17.749	
7,000.00	6,366.20	6,902.46	6,651.87	48.55	38.26	-153.15	-1,178.35	1,200.19	1,342.16	1,266.83	75.33	17.817	
7,100.00	6,455.28	6,998.58	6,744.80	49.31	38.56	-154.56	-1,198.37	1,186.58	1,362.99	1,287.04	75.95	17.946	
7,197.64	6,542.25	7,081.61	6,822.69	50.06	38.79	-156.19	-1,215.11	1,163.41	1,384.34	1,307.94	76.39	18.121	
7,200.00	6,544.35	7,083.48	6,824.41	50.08	38.79	-156.67	-1,215.48	1,162.77	1,384.87	1,308.47	76.40	18.126	
7,250.00	6,589.22	7,122.52	6,859.83	50.44	38.90	-167.27	-1,223.08	1,148.23	1,396.53	1,319.94	76.59	18.234	
7,300.00	6,634.48	7,160.63	6,893.50	50.77	39.00	-178.63	-1,230.30	1,131.91	1,408.65	1,331.89	76.76	18.351	
7,350.00	6,679.86	7,197.95	6,925.49	51.06	39.10	169.77	-1,237.16	1,113.97	1,421.11	1,344.18	76.92	18.474	
7,400.00	6,725.09	7,234.59	6,955.84	51.31	39.21	158.55	-1,243.66	1,094.53	1,433.77	1,356.69	77.08	18.600	
7,450.00	6,769.87	7,270.63	6,984.59	51.52	39.31	148.20	-1,249.80	1,073.68	1,446.53	1,369.29	77.24	18.727	
7,500.00	6,813.94	7,306.16	7,011.76	51.69	39.43	139.00	-1,255.61	1,051.53	1,459.27	1,381.86	77.40	18.853	
7,550.00	6,857.03	7,341.26	7,037.37	51.84	39.55	131.01	-1,261.07	1,028.17	1,471.85	1,394.28	77.57	18.974	
7,600.00	6,898.86	7,375.98	7,061.43	51.95	39.67	124.15	-1,266.20	1,003.68	1,484.18	1,406.43	77.76	19.087	
7,650.00	6,939.19	7,410.38	7,083.94	52.05	39.81	118.28	-1,270.98	978.12	1,496.16	1,418.19	77.96	19.191	
7,700.00	6,977.75	7,444.49	7,104.91	52.13	39.96	113.27	-1,275.44	951.58	1,507.67	1,429.47	78.20	19.280	
7,750.00	7,014.32	7,478.37	7,124.32	52.20	40.11	108.98	-1,279.55	924.14	1,518.64	1,440.16	78.48	19.352	
7,800.00	7,048.67	7,512.04	7,142.18	52.26	40.28	105.31	-1,283.33	895.85	1,528.96	1,450.17	78.80	19.404	
7,850.00	7,080.59	7,545.53	7,158.47	52.33	40.46	102.17	-1,286.77	866.79	1,538.57	1,459.40	79.17	19.433	
7,900.00	7,109.87	7,578.88	7,173.18	52.39	40.66	99.49	-1,289.86	837.02	1,547.40	1,467.78	79.62	19.435	
7,950.00	7,136.35	7,612.10	7,186.30	52.47	40.87	97.21	-1,292.61	806.63	1,555.38	1,475.24	80.14	19.409	
8,000.00	7,159.85	7,650.00	7,199.35	52.55	41.13	95.28	-1,295.33	771.16	1,562.45	1,481.70	80.75	19.349	
8,050.00	7,180.23	7,678.25	7,207.73	52.64	41.35	93.72	-1,297.07	744.24	1,568.55	1,487.13	81.42	19.264	
8,100.00	7,197.37	7,711.21	7,216.01	52.75	41.60	92.44	-1,298.77	712.39	1,573.66	1,491.46	82.20	19.144	
8,150.00	7,211.16	7,744.12	7,222.67	52.88	41.88	91.45	-1,300.12	680.19	1,577.74	1,494.67	83.07	18.993	
8,200.00	7,221.51	7,776.99	7,227.68	53.03	42.17	90.72	-1,301.12	647.72	1,580.75	1,496.72	84.03	18.812	
8,250.00	7,228.37	7,809.83	7,231.05	53.20	42.47	90.26	-1,301.76	615.06	1,582.68	1,497.61	85.07	18.604	
8,300.00	7,231.68	7,842.66	7,232.76	53.40	42.79	90.05	-1,302.04	582.28	1,583.51	1,497.32	86.19	18.372	
8,317.45	7,232.00	7,854.12	7,232.97	53.47	42.91	90.03	-1,302.06	570.83	1,583.55	1,496.95	86.60	18.286	
8,400.00	7,232.48	7,934.28	7,233.19	53.86	43.78	90.03	-1,301.89	490.67	1,583.50	1,494.82	88.68	17.856	
8,500.00	7,233.06	8,034.28	7,233.44	54.44	45.02	90.01	-1,301.68	390.67	1,583.45	1,492.00	91.46	17.314	
8,600.00	7,233.64	8,134.28	7,233.69	55.14	46.42	90.00	-1,301.47	290.67	1,583.40	1,488.91	94.49	16.757	
8,700.00	7,234.22	8,234.28	7,233.93	55.99	47.97	89.99	-1,301.26	190.68	1,583.35	1,485.58	97.77	16.194	
8,800.00	7,234.80	8,334.27	7,234.18	57.00	49.65	89.98	-1,301.04	90.68	1,583.30	1,482.03	101.27	15.635	
8,900.00	7,235.39	8,434.27	7,234.43	58.18	51.45	89.97	-1,300.83	-9.32	1,583.25	1,478.29	104.96	15.084	

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

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,534.27	7,234.68	59.53	53.35	89.95	-1,300.62	-109.32	1,583.20	1,474.38	108.83	14.548	
9,100.00	7,236.55	8,634.27	7,234.93	61.04	55.35	89.94	-1,300.41	-209.32	1,583.15	1,470.30	112.85	14.029	
9,200.00	7,237.13	8,734.27	7,235.18	62.69	57.42	89.93	-1,300.20	-309.32	1,583.11	1,466.09	117.02	13.529	
9,300.00	7,237.71	8,834.27	7,235.43	64.47	59.57	89.92	-1,299.98	-409.32	1,583.06	1,461.75	121.31	13.050	
9,400.00	7,238.29	8,934.27	7,235.67	66.36	61.77	89.91	-1,299.77	-509.32	1,583.01	1,457.30	125.71	12.592	
9,500.00	7,238.87	9,034.27	7,235.92	68.34	64.04	89.89	-1,299.56	-609.32	1,582.96	1,452.74	130.22	12.156	
9,600.00	7,239.45	9,134.27	7,236.17	70.41	66.35	89.88	-1,299.35	-709.31	1,582.91	1,448.09	134.82	11.741	
9,700.00	7,240.03	9,234.27	7,236.42	72.55	68.70	89.87	-1,299.14	-809.31	1,582.86	1,443.36	139.50	11.347	
9,800.00	7,240.61	9,334.27	7,236.67	74.76	71.10	89.86	-1,298.93	-909.31	1,582.81	1,438.56	144.26	10.972	
9,900.00	7,241.20	9,434.27	7,236.92	77.02	73.53	89.84	-1,298.71	-1,009.31	1,582.76	1,433.68	149.08	10.617	
10,000.00	7,241.78	9,534.27	7,237.17	79.33	75.99	89.83	-1,298.50	-1,109.31	1,582.72	1,428.75	153.97	10.280	
10,100.00	7,242.36	9,634.27	7,237.42	81.68	78.47	89.82	-1,298.29	-1,209.31	1,582.67	1,423.76	158.91	9.960	
10,200.00	7,242.94	9,734.27	7,237.66	84.07	80.99	89.81	-1,298.08	-1,309.31	1,582.62	1,418.72	163.90	9.656	
10,300.00	7,243.52	9,834.27	7,237.91	86.49	83.53	89.80	-1,297.87	-1,409.31	1,582.57	1,413.63	168.94	9.368	
10,400.00	7,244.10	9,934.27	7,238.16	88.95	86.08	89.78	-1,297.66	-1,509.31	1,582.52	1,408.51	174.02	9.094	
10,500.00	7,244.68	10,034.27	7,238.41	91.43	88.66	89.77	-1,297.44	-1,609.30	1,582.47	1,403.34	179.13	8.834	
10,600.00	7,245.26	10,134.26	7,238.66	93.93	91.25	89.76	-1,297.23	-1,709.30	1,582.43	1,398.14	184.29	8.587	
10,700.00	7,245.84	10,234.26	7,238.91	96.46	93.86	89.75	-1,297.02	-1,809.30	1,582.38	1,392.90	189.47	8.351	
10,800.00	7,246.42	10,334.26	7,239.16	99.01	96.49	89.74	-1,296.81	-1,909.30	1,582.33	1,387.64	194.69	8.127	
10,900.00	7,247.01	10,434.26	7,239.40	101.58	99.13	89.72	-1,296.60	-2,009.30	1,582.28	1,382.35	199.93	7.914	
11,000.00	7,247.59	10,534.26	7,239.65	104.16	101.78	89.71	-1,296.39	-2,109.30	1,582.23	1,377.03	205.20	7.711	
11,100.00	7,248.17	10,634.26	7,239.90	106.76	104.44	89.70	-1,296.17	-2,209.30	1,582.19	1,371.69	210.49	7.517	
11,200.00	7,248.75	10,734.26	7,240.15	109.37	107.11	89.69	-1,295.96	-2,309.30	1,582.14	1,366.33	215.81	7.331	
11,300.00	7,249.33	10,834.26	7,240.40	112.00	109.79	89.68	-1,295.75	-2,409.30	1,582.09	1,360.95	221.14	7.154	
11,400.00	7,249.91	10,934.26	7,240.65	114.64	112.48	89.66	-1,295.54	-2,509.29	1,582.04	1,355.55	226.49	6.985	
11,500.00	7,250.49	11,034.26	7,240.90	117.29	115.18	89.65	-1,295.33	-2,609.29	1,582.00	1,350.13	231.86	6.823	
11,600.00	7,251.07	11,134.26	7,241.15	119.95	117.89	89.64	-1,295.11	-2,709.29	1,581.95	1,344.70	237.25	6.668	
11,700.00	7,251.65	11,234.26	7,241.39	122.62	120.60	89.63	-1,294.90	-2,809.29	1,581.90	1,339.25	242.65	6.519	
11,800.00	7,252.23	11,334.26	7,241.64	125.30	123.32	89.62	-1,294.69	-2,909.29	1,581.85	1,333.79	248.07	6.377	
11,900.00	7,252.82	11,434.26	7,241.89	127.98	126.05	89.60	-1,294.48	-3,009.29	1,581.81	1,328.31	253.50	6.240	
12,000.00	7,253.40	11,534.26	7,242.14	130.68	128.78	89.59	-1,294.27	-3,109.29	1,581.76	1,322.82	258.94	6.109	
12,100.00	7,253.98	11,634.26	7,242.39	133.38	131.52	89.58	-1,294.06	-3,209.29	1,581.71	1,317.32	264.39	5.982	
12,200.00	7,254.56	11,734.26	7,242.64	136.09	134.26	89.57	-1,293.84	-3,309.29	1,581.67	1,311.81	269.85	5.861	
12,300.00	7,255.14	11,834.26	7,242.89	138.81	137.01	89.56	-1,293.63	-3,409.29	1,581.62	1,306.29	275.33	5.744	
12,400.00	7,255.72	11,934.25	7,243.13	141.53	139.76	89.54	-1,293.42	-3,509.28	1,581.57	1,300.76	280.81	5.632	
12,500.00	7,256.30	12,034.25	7,243.38	144.26	142.52	89.53	-1,293.21	-3,609.28	1,581.52	1,295.22	286.31	5.524	
12,600.00	7,256.88	12,134.25	7,243.63	146.99	145.28	89.52	-1,293.00	-3,709.28	1,581.48	1,289.67	291.81	5.420	
12,700.00	7,257.46	12,234.25	7,243.88	149.73	148.05	89.51	-1,292.79	-3,809.28	1,581.43	1,284.11	297.32	5.319	
12,800.00	7,258.04	12,334.25	7,244.13	152.47	150.82	89.50	-1,292.57	-3,909.28	1,581.38	1,278.55	302.84	5.222	
12,900.00	7,258.63	12,434.25	7,244.38	155.22	153.59	89.48	-1,292.36	-4,009.28	1,581.34	1,272.98	308.36	5.128	
13,000.00	7,259.21	12,534.25	7,244.63	157.97	156.36	89.47	-1,292.15	-4,109.28	1,581.29	1,267.40	313.89	5.038	
13,100.00	7,259.79	12,634.25	7,244.88	160.72	159.14	89.46	-1,291.94	-4,209.28	1,581.25	1,261.81	319.43	4.950	
13,200.00	7,260.37	12,734.25	7,245.12	163.48	161.92	89.45	-1,291.73	-4,309.28	1,581.20	1,256.22	324.98	4.866	
13,300.00	7,260.95	12,834.25	7,245.37	166.24	164.71	89.44	-1,291.52	-4,409.27	1,581.15	1,250.63	330.53	4.784	
13,400.00	7,261.53	12,934.25	7,245.62	169.01	167.49	89.42	-1,291.30	-4,509.27	1,581.11	1,245.02	336.08	4.705	
13,480.77	7,262.00	13,015.02	7,245.82	171.24	169.75	89.41	-1,291.13	-4,590.04	1,581.07	1,240.50	340.57	4.642	SF

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

Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	89.99	0.83	89.99				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	89.99	0.83	89.99	83.42	6.57	13.699	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	89.99	0.83	89.99	83.32	6.67	13.484	
300.00	300.00	302.30	302.28	3.44	3.44	1.34	88.65	2.07	88.70	81.81	6.89	12.865	
400.00	399.98	404.43	404.26	3.60	3.60	-151.80	84.63	5.78	86.47	79.26	7.21	11.986	
500.00	499.84	506.41	505.83	3.79	3.81	-149.10	77.97	11.95	84.99	77.37	7.62	11.150	
600.00	599.45	608.21	606.83	4.02	4.06	-145.73	68.67	20.54	84.39	76.28	8.11	10.403	
609.87	609.27	618.25	616.76	4.05	4.09	-145.36	67.61	21.52	84.39	76.22	8.17	10.334	CC
700.00	698.70	709.81	707.12	4.29	4.35	-141.77	56.77	31.54	84.84	76.16	8.68	9.779	ES
800.00	797.47	811.19	806.56	4.59	4.69	-137.38	42.29	44.92	86.48	77.17	9.30	9.294	
900.00	895.62	912.33	905.02	4.93	5.06	-132.74	25.29	60.64	89.46	79.46	10.00	8.946	
1,000.00	993.06	1,013.23	1,002.35	5.31	5.47	-128.07	5.80	78.66	93.87	83.10	10.77	8.719	
1,100.00	1,089.64	1,113.17	1,098.03	5.72	5.92	-124.03	-15.41	98.26	100.00	88.41	11.60	8.623	
1,200.00	1,185.27	1,212.75	1,193.32	6.16	6.39	-121.93	-36.65	117.90	108.32	95.84	12.49	8.674	
1,300.00	1,279.82	1,312.22	1,288.50	6.64	6.87	-121.54	-57.87	137.52	118.54	105.12	13.42	8.831	
1,400.00	1,373.17	1,411.46	1,383.45	7.15	7.37	-122.46	-79.05	157.09	130.59	116.20	14.39	9.073	
1,500.00	1,465.21	1,510.34	1,478.07	7.70	7.88	-124.33	-100.14	176.59	144.63	129.24	15.39	9.397	
1,600.00	1,555.84	1,608.74	1,572.22	8.30	8.40	-126.80	-121.13	195.99	160.87	144.47	16.41	9.806	
1,651.50	1,601.92	1,659.19	1,620.50	8.62	8.67	-128.22	-131.90	205.94	170.19	153.25	16.93	10.051	
1,700.00	1,645.13	1,706.63	1,665.89	8.93	8.92	-129.65	-142.02	215.30	179.33	161.91	17.43	10.290	
1,800.00	1,734.20	1,804.43	1,759.47	9.58	9.45	-132.19	-162.88	234.59	198.49	180.03	18.46	10.753	
1,900.00	1,823.28	1,902.23	1,853.05	10.25	9.98	-134.29	-183.75	253.87	217.96	198.46	19.50	11.178	
2,000.00	1,912.36	2,000.03	1,946.63	10.94	10.52	-136.04	-204.61	273.16	237.67	217.12	20.55	11.566	
2,100.00	2,001.43	2,097.83	2,040.22	11.63	11.06	-137.52	-225.48	292.45	257.56	235.95	21.61	11.921	
2,200.00	2,090.51	2,204.37	2,133.80	12.34	11.66	-138.79	-246.35	311.74	277.59	254.87	22.71	12.220	
2,300.00	2,179.59	2,306.57	2,227.38	13.05	12.23	-139.88	-267.21	331.03	297.73	273.92	23.81	12.506	
2,400.00	2,268.66	2,408.77	2,320.96	13.76	12.80	-140.84	-288.08	350.31	317.96	293.06	24.91	12.767	
2,500.00	2,357.74	2,489.03	2,414.54	14.49	13.26	-141.69	-308.94	369.60	338.27	312.38	25.89	13.065	
2,600.00	2,446.82	2,586.83	2,508.13	15.21	13.81	-142.44	-329.81	388.89	358.64	331.67	26.97	13.296	
2,700.00	2,535.89	2,684.64	2,601.71	15.95	14.37	-143.11	-350.67	408.18	379.07	351.01	28.06	13.508	
2,800.00	2,624.97	2,782.44	2,695.29	16.68	14.93	-143.71	-371.54	427.46	399.54	370.39	29.15	13.705	
2,900.00	2,714.05	2,880.24	2,788.87	17.42	15.49	-144.25	-392.40	446.75	420.05	389.80	30.25	13.888	
3,000.00	2,803.12	2,978.04	2,882.46	18.16	16.05	-144.74	-413.27	466.04	440.59	409.24	31.34	14.057	
3,100.00	2,892.20	3,075.84	2,976.04	18.90	16.61	-145.19	-434.14	485.33	461.16	428.71	32.44	14.215	
3,200.00	2,981.28	3,173.64	3,069.62	19.65	17.17	-145.60	-455.00	504.62	481.75	448.21	33.54	14.362	
3,300.00	3,070.36	3,271.44	3,163.20	20.40	17.74	-145.97	-475.87	523.90	502.36	467.72	34.65	14.499	
3,400.00	3,159.43	3,369.24	3,256.79	21.14	18.30	-146.32	-496.73	543.19	523.00	487.24	35.75	14.628	
3,500.00	3,248.51	3,467.04	3,350.37	21.89	18.87	-146.64	-517.60	562.48	543.65	506.79	36.86	14.749	
3,600.00	3,337.59	3,564.85	3,443.95	22.65	19.44	-146.94	-538.46	581.77	564.31	526.35	37.97	14.862	
3,700.00	3,426.66	3,662.65	3,537.53	23.40	20.00	-147.21	-559.33	601.06	584.99	545.91	39.08	14.969	
3,800.00	3,515.74	3,760.45	3,631.12	24.15	20.57	-147.47	-580.19	620.34	605.69	565.49	40.19	15.070	
3,900.00	3,604.82	3,858.25	3,724.70	24.91	21.14	-147.71	-601.06	639.63	626.39	585.08	41.31	15.165	
4,000.00	3,693.89	3,956.05	3,818.28	25.66	21.71	-147.93	-621.92	658.92	647.10	604.68	42.42	15.255	
4,100.00	3,782.97	4,053.85	3,911.86	26.42	22.27	-148.14	-642.79	678.21	667.82	624.29	43.53	15.340	
4,200.00	3,872.05	4,151.65	4,005.44	27.18	22.84	-148.34	-663.66	697.50	688.55	643.90	44.65	15.421	
4,300.00	3,961.12	4,249.45	4,099.03	27.94	23.41	-148.53	-684.52	716.78	709.29	663.52	45.77	15.497	
4,400.00	4,050.20	4,347.25	4,192.61	28.69	23.98	-148.70	-705.39	736.07	730.03	683.14	46.89	15.570	
4,500.00	4,139.28	4,445.05	4,286.19	29.45	24.55	-148.87	-726.25	755.36	750.78	702.77	48.01	15.639	
4,600.00	4,228.35	4,542.86	4,379.77	30.21	25.13	-149.03	-747.12	774.65	771.54	722.41	49.13	15.705	
4,700.00	4,317.43	4,640.66	4,473.36	30.97	25.70	-149.17	-767.98	793.93	792.30	742.05	50.25	15.768	
4,800.00	4,406.51	4,738.46	4,566.94	31.73	26.27	-149.32	-788.85	813.22	813.06	761.69	51.37	15.828	
4,900.00	4,495.59	4,836.26	4,660.52	32.50	26.84	-149.45	-809.71	832.51	833.83	781.34	52.49	15.886	

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

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

Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,934.06	4,754.10	33.26	27.41	-149.58	-830.58	851.80	854.61	800.99	53.61	15.941	
5,100.00	4,673.74	5,031.86	4,847.69	34.02	27.98	-149.70	-851.45	871.09	875.38	820.65	54.73	15.993	
5,200.00	4,762.82	5,129.66	4,941.27	34.78	28.55	-149.82	-872.31	890.37	896.17	840.31	55.86	16.044	
5,300.00	4,851.89	5,227.46	5,034.85	35.54	29.13	-149.93	-893.18	909.66	916.95	859.97	56.98	16.092	
5,400.00	4,940.97	5,325.26	5,128.43	36.31	29.70	-150.03	-914.04	928.95	937.74	879.63	58.11	16.138	
5,500.00	5,030.05	5,423.07	5,222.01	37.07	30.27	-150.13	-934.91	948.24	958.53	899.30	59.23	16.183	
5,600.00	5,119.12	5,520.87	5,315.60	37.83	30.85	-150.23	-955.77	967.53	979.32	918.97	60.36	16.225	
5,700.00	5,208.20	5,618.67	5,409.18	38.60	31.42	-150.32	-976.64	986.81	1,000.12	938.64	61.48	16.267	
5,800.00	5,297.28	5,716.47	5,502.76	39.36	31.99	-150.41	-997.50	1,006.10	1,020.92	958.31	62.61	16.306	
5,900.00	5,386.35	5,814.27	5,596.34	40.13	32.57	-150.50	-1,018.37	1,025.39	1,041.72	977.98	63.74	16.344	
6,000.00	5,475.43	5,912.07	5,689.93	40.89	33.14	-150.58	-1,039.24	1,044.68	1,062.52	997.66	64.86	16.381	
6,100.00	5,564.51	6,009.87	5,783.51	41.66	33.71	-150.66	-1,060.10	1,063.97	1,083.33	1,017.34	65.99	16.417	
6,200.00	5,653.58	6,107.67	5,877.09	42.42	34.29	-150.74	-1,080.97	1,083.25	1,104.14	1,037.02	67.12	16.451	
6,300.00	5,742.66	6,205.47	5,970.67	43.19	34.86	-150.81	-1,101.83	1,102.54	1,124.94	1,056.70	68.24	16.484	
6,400.00	5,831.74	6,303.27	6,064.26	43.95	35.43	-150.88	-1,122.70	1,121.83	1,145.75	1,076.38	69.37	16.516	
6,500.00	5,920.82	6,401.08	6,157.84	44.72	36.01	-150.95	-1,143.56	1,141.12	1,166.57	1,096.07	70.50	16.547	
6,600.00	6,009.89	6,501.12	6,251.42	45.48	36.60	-151.01	-1,164.43	1,160.40	1,187.38	1,115.74	71.64	16.574	
6,700.00	6,098.97	6,603.32	6,345.00	46.25	37.20	-151.08	-1,185.29	1,179.69	1,208.20	1,135.40	72.79	16.597	
6,800.00	6,188.05	6,704.61	6,448.85	47.01	37.76	-151.32	-1,208.48	1,197.34	1,228.77	1,154.85	73.92	16.623	
6,900.00	6,277.12	6,815.31	6,556.72	47.78	38.23	-152.38	-1,232.74	1,197.76	1,248.32	1,173.52	74.80	16.689	
7,000.00	6,366.20	6,916.10	6,653.63	48.55	38.55	-154.05	-1,254.69	1,181.50	1,267.58	1,192.19	75.39	16.813	
7,100.00	6,455.28	7,004.02	6,735.18	49.31	38.78	-156.01	-1,273.29	1,154.67	1,287.82	1,212.01	75.81	16.987	
7,197.64	6,542.25	7,077.05	6,799.65	50.06	38.97	-157.95	-1,288.08	1,123.79	1,309.72	1,233.63	76.09	17.213	
7,200.00	6,544.35	7,078.67	6,801.03	50.08	38.97	-158.43	-1,288.40	1,123.02	1,310.28	1,234.19	76.09	17.219	
7,250.00	6,589.22	7,112.57	6,829.64	50.44	39.06	-169.20	-1,295.00	1,106.08	1,322.60	1,246.41	76.19	17.359	
7,300.00	6,634.48	7,145.80	6,856.80	50.77	39.15	179.26	-1,301.27	1,087.98	1,335.52	1,259.25	76.27	17.510	
7,350.00	6,679.86	7,178.49	6,882.56	51.06	39.25	167.49	-1,307.25	1,068.78	1,348.88	1,272.54	76.34	17.668	
7,400.00	6,725.09	7,210.70	6,906.97	51.31	39.35	156.09	-1,312.93	1,048.56	1,362.54	1,286.13	76.40	17.834	
7,450.00	6,769.87	7,242.51	6,930.07	51.52	39.45	145.56	-1,318.33	1,027.37	1,376.33	1,299.88	76.46	18.002	
7,500.00	6,813.94	7,273.98	6,951.88	51.69	39.56	136.19	-1,323.44	1,005.27	1,390.12	1,313.61	76.51	18.169	
7,550.00	6,857.03	7,305.16	6,972.40	51.84	39.67	128.03	-1,328.28	982.30	1,403.78	1,327.21	76.57	18.334	
7,600.00	6,898.86	7,336.09	6,991.66	51.95	39.80	121.01	-1,332.83	958.53	1,417.16	1,340.52	76.64	18.491	
7,650.00	6,939.19	7,366.81	7,009.63	52.05	39.93	115.00	-1,337.11	934.00	1,430.15	1,353.41	76.73	18.638	
7,700.00	6,977.75	7,400.00	7,027.74	52.13	40.08	109.82	-1,341.44	906.52	1,442.63	1,365.76	76.87	18.768	
7,750.00	7,014.32	7,427.72	7,041.77	52.20	40.22	105.45	-1,344.82	882.85	1,454.49	1,377.48	77.02	18.886	
7,800.00	7,048.67	7,457.97	7,055.91	52.26	40.38	101.67	-1,348.25	856.34	1,465.65	1,388.43	77.23	18.979	
7,850.00	7,080.59	7,488.10	7,068.76	52.33	40.56	98.44	-1,351.40	829.27	1,476.01	1,398.51	77.50	19.045	
7,900.00	7,109.87	7,518.13	7,080.31	52.39	40.74	95.68	-1,354.26	801.70	1,485.49	1,407.64	77.85	19.081	
7,950.00	7,136.35	7,550.00	7,091.17	52.47	40.95	93.32	-1,356.98	771.87	1,494.03	1,415.74	78.28	19.085	
8,000.00	7,159.85	7,577.95	7,099.48	52.55	41.15	91.37	-1,359.11	745.26	1,501.54	1,422.74	78.80	19.054	
8,050.00	7,180.23	7,607.77	7,107.08	52.64	41.38	89.74	-1,361.09	716.50	1,507.99	1,428.57	79.42	18.987	
8,100.00	7,197.37	7,637.53	7,113.34	52.75	41.61	88.42	-1,362.77	687.46	1,513.33	1,433.18	80.14	18.883	
8,150.00	7,211.16	7,667.25	7,118.27	52.88	41.86	87.40	-1,364.16	658.19	1,517.51	1,436.54	80.97	18.741	
8,200.00	7,221.51	7,700.00	7,122.15	53.03	42.15	86.65	-1,365.34	625.69	1,520.52	1,438.61	81.90	18.565	
8,250.00	7,228.37	7,726.59	7,124.09	53.20	42.40	86.19	-1,366.03	599.18	1,522.31	1,439.38	82.93	18.357	
8,300.00	7,231.68	7,756.23	7,124.99	53.40	42.68	85.98	-1,366.51	569.57	1,522.89	1,438.85	84.04	18.121	
8,317.45	7,232.00	7,771.40	7,125.03	53.47	42.84	85.97	-1,366.66	554.39	1,522.78	1,438.33	84.45	18.031	
8,400.00	7,232.48	7,853.94	7,125.23	53.86	43.75	85.95	-1,367.49	471.86	1,521.76	1,435.21	86.55	17.583	
8,500.00	7,233.06	7,953.94	7,125.47	54.44	44.99	85.94	-1,368.49	371.87	1,520.53	1,431.19	89.34	17.020	
8,600.00	7,233.64	8,053.93	7,125.71	55.14	46.41	85.92	-1,369.49	271.88	1,519.29	1,426.90	92.40	16.443	
8,700.00	7,234.22	8,153.92	7,125.95	55.99	47.97	85.91	-1,370.49	171.90	1,518.06	1,422.36	95.69	15.864	
8,800.00	7,234.80	8,253.91	7,126.19	57.00	49.67	85.89	-1,371.49	71.91	1,516.82	1,417.61	99.21	15.289	

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

Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,353.90	7,126.43	58.18	51.48	85.87	-1,372.50	-28.07	1,515.59	1,412.66	102.92	14.725	
9,000.00	7,235.97	8,453.89	7,126.67	59.53	53.40	85.86	-1,373.50	-128.06	1,514.35	1,407.54	106.81	14.178	
9,100.00	7,236.55	8,553.88	7,126.91	61.04	55.40	85.84	-1,374.50	-228.05	1,513.12	1,402.26	110.85	13.650	
9,200.00	7,237.13	8,653.88	7,127.15	62.69	57.49	85.82	-1,375.50	-328.03	1,511.88	1,396.84	115.04	13.142	
9,300.00	7,237.71	8,753.87	7,127.39	64.47	59.65	85.81	-1,376.50	-428.02	1,510.65	1,391.30	119.35	12.658	
9,400.00	7,238.29	8,853.86	7,127.63	66.36	61.86	85.79	-1,377.50	-528.00	1,509.41	1,385.64	123.77	12.195	
9,500.00	7,238.87	8,953.85	7,127.87	68.34	64.13	85.77	-1,378.50	-627.99	1,508.18	1,379.89	128.29	11.756	
9,600.00	7,239.45	9,053.84	7,128.11	70.41	66.45	85.76	-1,379.51	-727.98	1,506.94	1,374.04	132.90	11.339	
9,700.00	7,240.03	9,153.83	7,128.35	72.55	68.82	85.74	-1,380.51	-827.96	1,505.71	1,368.11	137.60	10.943	
9,800.00	7,240.61	9,253.82	7,128.59	74.76	71.22	85.73	-1,381.51	-927.95	1,504.48	1,362.11	142.36	10.568	
9,900.00	7,241.20	9,353.82	7,128.83	77.02	73.65	85.71	-1,382.51	-1,027.94	1,503.24	1,356.04	147.20	10.212	
10,000.00	7,241.78	9,453.81	7,129.07	79.33	76.11	85.69	-1,383.51	-1,127.92	1,502.01	1,349.92	152.09	9.876	
10,100.00	7,242.36	9,553.80	7,129.31	81.68	78.61	85.68	-1,384.51	-1,227.91	1,500.77	1,343.74	157.04	9.557	
10,200.00	7,242.94	9,653.79	7,129.55	84.07	81.12	85.66	-1,385.52	-1,327.89	1,499.54	1,337.51	162.03	9.255	
10,300.00	7,243.52	9,753.78	7,129.79	86.49	83.66	85.64	-1,386.52	-1,427.88	1,498.31	1,331.24	167.07	8.968	
10,400.00	7,244.10	9,853.77	7,130.02	88.95	86.22	85.63	-1,387.52	-1,527.87	1,497.08	1,324.92	172.15	8.696	
10,500.00	7,244.68	9,953.76	7,130.26	91.43	88.80	85.61	-1,388.52	-1,627.85	1,495.84	1,318.57	177.27	8.438	
10,600.00	7,245.26	10,053.76	7,130.50	93.93	91.40	85.59	-1,389.52	-1,727.84	1,494.61	1,312.19	182.42	8.193	
10,700.00	7,245.84	10,153.75	7,130.74	96.46	94.01	85.58	-1,390.52	-1,827.82	1,493.38	1,305.77	187.61	7.960	
10,800.00	7,246.42	10,253.74	7,130.98	99.01	96.64	85.56	-1,391.52	-1,927.81	1,492.14	1,299.32	192.82	7.739	
10,900.00	7,247.01	10,353.73	7,131.22	101.58	99.28	85.54	-1,392.53	-2,027.80	1,490.91	1,292.85	198.06	7.528	
11,000.00	7,247.59	10,453.72	7,131.46	104.16	101.93	85.52	-1,393.53	-2,127.78	1,489.68	1,286.36	203.32	7.327	
11,100.00	7,248.17	10,553.71	7,131.70	106.76	104.59	85.51	-1,394.53	-2,227.77	1,488.45	1,279.84	208.61	7.135	
11,200.00	7,248.75	10,653.70	7,131.94	109.37	107.26	85.49	-1,395.53	-2,327.76	1,487.21	1,273.30	213.91	6.952	
11,300.00	7,249.33	10,753.70	7,132.18	112.00	109.94	85.47	-1,396.53	-2,427.74	1,485.98	1,266.74	219.24	6.778	
11,400.00	7,249.91	10,853.69	7,132.42	114.64	112.63	85.46	-1,397.53	-2,527.73	1,484.75	1,260.17	224.58	6.611	
11,500.00	7,250.49	10,953.68	7,132.66	117.29	115.33	85.44	-1,398.53	-2,627.71	1,483.52	1,253.58	229.94	6.452	
11,600.00	7,251.07	11,053.67	7,132.90	119.95	118.04	85.42	-1,399.54	-2,727.70	1,482.29	1,246.97	235.32	6.299	
11,700.00	7,251.65	11,153.66	7,133.14	122.62	120.75	85.41	-1,400.54	-2,827.69	1,481.06	1,240.35	240.71	6.153	
11,800.00	7,252.23	11,253.65	7,133.38	125.30	123.47	85.39	-1,401.54	-2,927.67	1,479.82	1,233.71	246.11	6.013	
11,900.00	7,252.82	11,353.64	7,133.62	127.98	126.19	85.37	-1,402.54	-3,027.66	1,478.59	1,227.07	251.53	5.878	
12,000.00	7,253.40	11,453.64	7,133.86	130.68	128.93	85.35	-1,403.54	-3,127.64	1,477.36	1,220.41	256.96	5.749	
12,100.00	7,253.98	11,553.63	7,134.10	133.38	131.66	85.34	-1,404.54	-3,227.63	1,476.13	1,213.74	262.39	5.626	
12,200.00	7,254.56	11,653.62	7,134.34	136.09	134.40	85.32	-1,405.54	-3,327.62	1,474.90	1,207.06	267.84	5.507	
12,300.00	7,255.14	11,753.61	7,134.58	138.81	137.15	85.30	-1,406.55	-3,427.60	1,473.67	1,200.37	273.30	5.392	
12,400.00	7,255.72	11,853.60	7,134.82	141.53	139.90	85.29	-1,407.55	-3,527.59	1,472.44	1,193.67	278.77	5.282	
12,500.00	7,256.30	11,953.59	7,135.06	144.26	142.66	85.27	-1,408.55	-3,627.58	1,471.21	1,186.96	284.25	5.176	
12,600.00	7,256.88	12,053.58	7,135.30	146.99	145.42	85.25	-1,409.55	-3,727.56	1,469.98	1,180.25	289.73	5.074	
12,700.00	7,257.46	12,153.58	7,135.54	149.73	148.18	85.23	-1,410.55	-3,827.55	1,468.75	1,173.53	295.22	4.975	
12,800.00	7,258.04	12,253.57	7,135.78	152.47	150.95	85.22	-1,411.55	-3,927.53	1,467.52	1,166.80	300.72	4.880	
12,900.00	7,258.63	12,353.56	7,136.02	155.22	153.72	85.20	-1,412.56	-4,027.52	1,466.29	1,160.06	306.23	4.788	
13,000.00	7,259.21	12,453.55	7,136.26	157.97	156.49	85.18	-1,413.56	-4,127.51	1,465.06	1,153.32	311.74	4.700	
13,100.00	7,259.79	12,553.54	7,136.50	160.72	159.26	85.16	-1,414.56	-4,227.49	1,463.83	1,146.57	317.26	4.614	
13,200.00	7,260.37	12,653.53	7,136.74	163.48	162.04	85.15	-1,415.56	-4,327.48	1,462.60	1,139.82	322.78	4.531	
13,300.00	7,260.95	12,753.52	7,136.98	166.24	164.82	85.13	-1,416.56	-4,427.46	1,461.37	1,133.06	328.31	4.451	
13,400.00	7,261.53	12,853.52	7,137.22	169.01	167.61	85.11	-1,417.56	-4,527.45	1,460.14	1,126.30	333.84	4.374	
13,480.77	7,262.00	12,934.28	7,137.41	171.24	169.86	85.10	-1,418.37	-4,608.21	1,459.15	1,120.83	338.32	4.313	SF

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

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.35	45.17	0.28	45.17				
100.00	100.00	100.00	100.00	3.28	3.28	0.35	45.17	0.28	45.17	38.61	6.57	6.877	
200.00	200.00	200.00	200.00	3.34	3.34	0.35	45.17	0.28	45.17	38.50	6.67	6.769	
300.00	300.00	300.00	300.00	3.44	3.44	0.35	45.17	0.28	45.17	38.29	6.89	6.557	CC
400.00	399.98	401.37	401.35	3.60	3.60	-154.55	43.63	1.19	45.24	38.04	7.20	6.282	
500.00	499.84	502.74	502.57	3.79	3.79	-153.92	39.00	3.93	45.43	37.82	7.60	5.976	
600.00	599.45	604.10	603.53	4.02	4.03	-152.87	31.29	8.49	45.75	37.66	8.09	5.657	
700.00	698.70	705.45	704.09	4.29	4.31	-151.43	20.52	14.86	46.23	37.59	8.65	5.347	ES
800.00	797.47	806.78	804.14	4.59	4.62	-149.62	6.69	23.04	46.89	37.63	9.27	5.060	
900.00	895.62	908.10	903.54	4.93	4.97	-147.49	-10.17	33.01	47.76	37.82	9.94	4.803	
1,000.00	993.06	1,009.39	1,002.16	5.31	5.35	-145.08	-30.04	44.76	48.86	38.19	10.67	4.580	
1,100.00	1,089.64	1,110.66	1,099.89	5.72	5.77	-142.44	-52.89	58.28	50.22	38.78	11.44	4.388	
1,200.00	1,185.27	1,211.91	1,196.58	6.16	6.22	-139.63	-78.70	73.54	51.88	39.61	12.28	4.226	
1,300.00	1,279.82	1,313.12	1,292.13	6.64	6.71	-136.71	-107.42	90.52	53.87	40.69	13.17	4.089	
1,400.00	1,373.17	1,414.30	1,386.41	7.15	7.24	-133.74	-139.02	109.21	56.19	42.06	14.14	3.975	
1,500.00	1,465.21	1,515.02	1,479.00	7.70	7.81	-130.96	-173.13	129.38	59.01	43.83	15.18	3.888	
1,600.00	1,555.84	1,614.90	1,570.53	8.30	8.40	-130.32	-207.55	149.74	63.75	47.49	16.26	3.920	
1,651.50	1,601.92	1,666.28	1,617.62	8.62	8.71	-130.90	-225.25	160.21	67.08	50.25	16.82	3.987	
1,700.00	1,645.13	1,714.65	1,661.94	8.93	9.01	-131.71	-241.92	170.06	70.50	53.15	17.35	4.063	
1,800.00	1,734.20	1,814.38	1,753.33	9.58	9.63	-133.15	-276.29	190.39	77.61	59.15	18.46	4.205	
1,900.00	1,823.28	1,914.11	1,844.72	10.25	10.26	-134.34	-310.65	210.71	84.75	65.17	19.58	4.329	
2,000.00	1,912.36	2,013.84	1,936.11	10.94	10.90	-135.35	-345.02	231.04	91.93	71.21	20.72	4.437	
2,100.00	2,001.43	2,113.57	2,027.50	11.63	11.55	-136.21	-379.38	251.36	99.13	77.26	21.87	4.533	
2,200.00	2,090.51	2,213.30	2,118.89	12.34	12.20	-136.96	-413.75	271.68	106.35	83.32	23.03	4.618	
2,300.00	2,179.59	2,313.03	2,210.28	13.05	12.86	-137.61	-448.11	292.01	113.58	89.39	24.20	4.694	
2,400.00	2,268.66	2,412.76	2,301.67	13.76	13.53	-138.18	-482.48	312.33	120.83	95.46	25.37	4.762	
2,500.00	2,357.74	2,512.49	2,393.06	14.49	14.20	-138.69	-516.84	332.65	128.09	101.53	26.56	4.823	
2,600.00	2,446.82	2,612.22	2,484.45	15.21	14.87	-139.14	-551.21	352.98	135.36	107.61	27.75	4.878	
2,700.00	2,535.89	2,711.95	2,575.84	15.95	15.55	-139.55	-585.57	373.30	142.63	113.69	28.94	4.928	
2,800.00	2,624.97	2,811.68	2,667.23	16.68	16.23	-139.92	-619.94	393.62	149.91	119.77	30.14	4.973	
2,900.00	2,714.05	2,911.41	2,758.62	17.42	16.91	-140.25	-654.30	413.95	157.20	125.85	31.35	5.015	
3,000.00	2,803.12	3,011.14	2,850.01	18.16	17.59	-140.55	-688.67	434.27	164.49	131.94	32.55	5.053	
3,100.00	2,892.20	3,110.87	2,941.40	18.90	18.28	-140.83	-723.04	454.60	171.79	138.02	33.77	5.088	
3,200.00	2,981.28	3,210.61	3,032.79	19.65	18.96	-141.09	-757.40	474.92	179.09	144.11	34.98	5.120	
3,300.00	3,070.36	3,310.34	3,124.18	20.40	19.65	-141.32	-791.77	495.24	186.39	150.19	36.20	5.149	
3,400.00	3,159.43	3,410.07	3,215.57	21.14	20.34	-141.54	-826.13	515.57	193.69	156.28	37.42	5.177	
3,500.00	3,248.51	3,509.80	3,306.96	21.89	21.03	-141.74	-860.50	535.89	201.00	162.37	38.64	5.202	
3,600.00	3,337.59	3,609.53	3,398.35	22.65	21.73	-141.93	-894.86	556.21	208.31	168.45	39.86	5.226	
3,700.00	3,426.66	3,709.26	3,489.74	23.40	22.42	-142.11	-929.23	576.54	215.63	174.54	41.08	5.248	
3,800.00	3,515.74	3,808.99	3,581.13	24.15	23.11	-142.27	-963.59	596.86	222.94	180.63	42.31	5.269	
3,900.00	3,604.82	3,908.72	3,672.52	24.91	23.81	-142.42	-997.96	617.18	230.26	186.72	43.54	5.288	
4,000.00	3,693.89	4,008.45	3,763.91	25.66	24.51	-142.57	-1,032.32	637.51	237.57	192.80	44.77	5.307	
4,100.00	3,782.97	4,108.18	3,855.30	26.42	25.20	-142.70	-1,066.69	657.83	244.89	198.89	46.00	5.324	
4,200.00	3,872.05	4,207.91	3,946.69	27.18	25.90	-142.83	-1,101.05	678.16	252.21	204.98	47.23	5.340	
4,300.00	3,961.12	4,307.64	4,038.08	27.94	26.60	-142.95	-1,135.42	698.48	259.54	211.07	48.47	5.355	
4,400.00	4,050.20	4,407.37	4,129.47	28.69	27.29	-143.06	-1,169.78	718.80	266.86	217.16	49.70	5.369	
4,500.00	4,139.28	4,507.10	4,220.86	29.45	27.99	-143.17	-1,204.15	739.13	274.18	223.25	50.94	5.383	
4,600.00	4,228.35	4,606.83	4,312.25	30.21	28.69	-143.27	-1,238.52	759.45	281.51	229.33	52.17	5.396	
4,700.00	4,317.43	4,706.56	4,403.64	30.97	29.39	-143.37	-1,272.88	779.77	288.83	235.42	53.41	5.408	
4,800.00	4,406.51	4,806.29	4,495.02	31.73	30.09	-143.46	-1,307.25	800.10	296.16	241.51	54.65	5.420	
4,900.00	4,495.59	4,906.02	4,586.41	32.50	30.79	-143.55	-1,341.61	820.42	303.49	247.60	55.89	5.431	
5,000.00	4,584.66	5,005.75	4,677.80	33.26	31.49	-143.63	-1,375.98	840.74	310.81	253.69	57.12	5.441	

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

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

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	5,105.48	4,769.19	34.02	32.19	-143.71	-1,410.34	861.07	318.14	259.78	58.36	5.451	
5,200.00	4,762.82	5,205.21	4,860.58	34.78	32.90	-143.79	-1,444.71	881.39	325.47	265.87	59.60	5.461	
5,300.00	4,851.89	5,304.94	4,951.97	35.54	33.60	-143.86	-1,479.07	901.72	332.80	271.95	60.85	5.470	
5,400.00	4,940.97	5,404.67	5,043.36	36.31	34.30	-143.93	-1,513.44	922.04	340.13	278.04	62.09	5.478	
5,500.00	5,030.05	5,504.40	5,134.75	37.07	35.00	-143.99	-1,547.80	942.36	347.46	284.13	63.33	5.487	
5,600.00	5,119.12	5,604.13	5,226.14	37.83	35.70	-144.06	-1,582.17	962.69	354.79	290.22	64.57	5.495	
5,700.00	5,208.20	5,703.86	5,317.53	38.60	36.41	-144.12	-1,616.53	983.01	362.12	296.31	65.81	5.502	
5,800.00	5,297.28	5,803.59	5,408.92	39.36	37.11	-144.18	-1,650.90	1,003.33	369.45	302.40	67.06	5.510	
5,900.00	5,386.35	5,903.32	5,500.31	40.13	37.81	-144.23	-1,685.27	1,023.66	376.79	308.49	68.30	5.517	
6,000.00	5,475.43	6,003.05	5,591.70	40.89	38.52	-144.29	-1,719.63	1,043.98	384.12	314.57	69.54	5.523	
6,100.00	5,564.51	6,102.78	5,683.09	41.66	39.22	-144.34	-1,754.00	1,064.30	391.45	320.66	70.79	5.530	
6,200.00	5,653.58	6,202.51	5,774.48	42.42	39.92	-144.39	-1,788.36	1,084.63	398.78	326.75	72.03	5.536	
6,300.00	5,742.66	6,302.24	5,865.87	43.19	40.63	-144.44	-1,822.73	1,104.95	406.12	332.84	73.28	5.542	
6,400.00	5,831.74	6,401.97	5,957.26	43.95	41.33	-144.49	-1,857.09	1,125.28	413.45	338.93	74.52	5.548	
6,500.00	5,920.82	6,501.70	6,048.65	44.72	42.04	-144.53	-1,891.46	1,145.60	420.78	345.02	75.77	5.554	
6,600.00	6,009.89	6,601.43	6,140.04	45.48	42.74	-144.58	-1,925.82	1,165.92	428.12	351.10	77.01	5.559	
6,700.00	6,098.97	6,701.16	6,231.43	46.25	43.44	-144.62	-1,960.19	1,186.25	435.45	357.19	78.26	5.564	
6,800.00	6,188.05	6,814.69	6,336.65	47.01	44.17	-145.71	-1,999.71	1,201.21	441.38	362.20	79.18	5.574	
6,900.00	6,277.12	6,924.10	6,438.88	47.78	44.69	-149.13	-2,038.02	1,196.62	444.76	365.51	79.24	5.613	
7,000.00	6,366.20	7,022.37	6,528.91	48.55	45.01	-154.07	-2,071.67	1,176.63	448.45	369.53	78.92	5.682	
7,100.00	6,455.28	7,107.24	6,603.59	49.31	45.22	-159.63	-2,099.52	1,147.64	456.22	377.75	78.47	5.814	
7,197.64	6,542.25	7,177.31	6,662.09	50.06	45.35	-164.96	-2,121.29	1,115.88	471.06	393.33	77.74	6.060	
7,200.00	6,544.35	7,178.86	6,663.35	50.08	45.36	-165.51	-2,121.76	1,115.10	471.53	393.82	77.71	6.068	
7,250.00	6,589.22	7,211.35	6,689.25	50.44	45.41	-177.70	-2,131.39	1,098.02	482.41	405.25	77.16	6.252	
7,300.00	6,634.48	7,243.24	6,713.85	50.77	45.47	169.41	-2,140.52	1,079.91	494.87	418.36	76.50	6.469	
7,350.00	6,679.86	7,274.63	6,737.21	51.06	45.53	156.38	-2,149.18	1,060.82	508.55	432.81	75.73	6.715	
7,400.00	6,725.09	7,305.57	6,759.35	51.31	45.58	143.81	-2,157.38	1,040.82	523.12	448.26	74.85	6.988	
7,450.00	6,769.87	7,336.14	6,780.31	51.52	45.64	132.24	-2,165.13	1,019.96	538.27	464.39	73.88	7.286	
7,500.00	6,813.94	7,366.39	6,800.09	51.69	45.70	121.94	-2,172.44	998.29	553.72	480.89	72.83	7.603	
7,550.00	6,857.03	7,400.00	6,820.93	51.84	45.77	112.83	-2,180.12	973.06	569.25	497.41	71.83	7.924	
7,600.00	6,898.86	7,426.07	6,836.21	51.95	45.83	105.28	-2,185.75	952.71	584.57	513.97	70.60	8.280	
7,650.00	6,939.19	7,455.57	6,852.55	52.05	45.90	98.69	-2,191.76	928.89	599.56	530.08	69.48	8.629	
7,700.00	6,977.75	7,484.89	6,867.75	52.13	45.98	93.07	-2,197.33	904.46	614.03	545.62	68.42	8.975	
7,750.00	7,014.32	7,514.04	6,881.81	52.20	46.06	88.27	-2,202.47	879.44	627.83	560.40	67.43	9.311	
7,800.00	7,048.67	7,543.06	6,894.71	52.26	46.15	84.18	-2,207.19	853.89	640.84	574.27	66.57	9.627	
7,850.00	7,080.59	7,571.94	6,906.47	52.33	46.25	80.69	-2,211.46	827.86	652.94	587.07	65.86	9.914	
7,900.00	7,109.87	7,600.00	6,916.82	52.39	46.35	77.75	-2,215.21	802.05	664.04	598.71	65.34	10.164	
7,950.00	7,136.35	7,629.42	6,926.52	52.47	46.46	75.24	-2,218.71	774.50	674.06	609.00	65.06	10.361	
8,000.00	7,159.85	7,658.03	6,934.80	52.55	46.58	73.15	-2,221.68	747.28	682.94	617.92	65.02	10.504	
8,050.00	7,180.23	7,686.58	6,941.92	52.64	46.71	71.44	-2,224.21	719.75	690.61	625.36	65.25	10.584	
8,100.00	7,197.37	7,715.08	6,947.86	52.75	46.85	70.05	-2,226.29	691.96	697.03	631.27	65.76	10.599	
8,150.00	7,211.16	7,750.00	6,953.55	52.88	47.04	68.95	-2,228.25	657.56	702.21	635.75	66.46	10.566	
8,200.00	7,221.51	7,771.95	6,956.21	53.03	47.16	68.21	-2,229.14	635.79	705.96	638.33	67.63	10.438	
8,250.00	7,228.37	7,800.00	6,958.59	53.20	47.33	67.71	-2,229.90	607.86	708.42	639.45	68.97	10.271	
8,300.00	7,231.68	7,828.74	6,959.84	53.40	47.51	67.48	-2,230.22	579.15	709.52	638.97	70.55	10.057	
8,317.45	7,232.00	7,842.10	6,960.00	53.47	47.60	67.46	-2,230.21	565.79	709.60	638.55	71.05	9.987	
8,317.75	7,232.00	7,847.87	6,959.99	53.47	47.64	67.46	-2,230.23	571.57	709.58	638.20	71.38	9.941	
8,400.00	7,232.48	7,918.57	6,960.20	53.86	48.16	67.44	-2,229.90	489.32	709.79	636.62	73.17	9.700	
8,500.00	7,233.06	8,018.57	6,960.45	54.44	49.04	67.42	-2,229.49	389.32	710.06	634.27	75.79	9.369	
8,600.00	7,233.64	8,118.57	6,960.70	55.14	50.08	67.40	-2,229.08	289.32	710.32	631.64	78.68	9.028	
8,700.00	7,234.22	8,218.57	6,960.95	55.99	51.30	67.38	-2,228.67	189.32	710.58	628.77	81.81	8.686	
8,800.00	7,234.80	8,318.57	6,961.20	57.00	52.69	67.36	-2,228.26	89.32	710.85	625.68	85.16	8.347	

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

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD+IFR1

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,418.57	6,961.46	58.18	54.23	67.34	-2,227.85	-10.67	711.11	622.40	88.71	8.016	
9,000.00	7,235.97	8,518.57	6,961.71	59.53	55.91	67.32	-2,227.44	-110.67	711.38	618.95	92.42	7.697	
9,100.00	7,236.55	8,618.57	6,961.96	61.04	57.72	67.30	-2,227.03	-210.67	711.64	615.35	96.29	7.391	
9,200.00	7,237.13	8,718.57	6,962.21	62.69	59.63	67.28	-2,226.62	-310.67	711.90	611.62	100.29	7.099	
9,300.00	7,237.71	8,818.57	6,962.46	64.47	61.64	67.26	-2,226.21	-410.67	712.17	607.76	104.40	6.821	
9,400.00	7,238.29	8,918.57	6,962.71	66.36	63.73	67.24	-2,225.80	-510.67	712.43	603.81	108.62	6.559	
9,500.00	7,238.87	9,018.57	6,962.97	68.34	65.89	67.22	-2,225.39	-610.66	712.70	599.76	112.93	6.311	
9,600.00	7,239.45	9,118.57	6,963.22	70.41	68.12	67.20	-2,224.98	-710.66	712.96	595.63	117.33	6.077	
9,700.00	7,240.03	9,218.57	6,963.47	72.55	70.39	67.19	-2,224.57	-810.66	713.22	591.43	121.79	5.856	
9,800.00	7,240.61	9,318.57	6,963.72	74.76	72.72	67.17	-2,224.16	-910.66	713.49	587.16	126.32	5.648	
9,900.00	7,241.20	9,418.56	6,963.97	77.02	75.09	67.15	-2,223.75	-1,010.66	713.75	582.84	130.91	5.452	
10,000.00	7,241.78	9,518.56	6,964.23	79.33	77.49	67.13	-2,223.35	-1,110.65	714.02	578.46	135.55	5.267	
10,100.00	7,242.36	9,618.56	6,964.48	81.68	79.93	67.11	-2,222.94	-1,210.65	714.28	574.04	140.24	5.093	
10,200.00	7,242.94	9,718.56	6,964.73	84.07	82.40	67.09	-2,222.53	-1,310.65	714.55	569.58	144.97	4.929	
10,300.00	7,243.52	9,818.56	6,964.98	86.49	84.90	67.07	-2,222.12	-1,410.65	714.81	565.07	149.74	4.774	
10,400.00	7,244.10	9,918.56	6,965.23	88.95	87.42	67.05	-2,221.71	-1,510.65	715.08	560.54	154.54	4.627	
10,500.00	7,244.68	10,018.56	6,965.49	91.43	89.96	67.03	-2,221.30	-1,610.65	715.34	555.97	159.37	4.489	
10,600.00	7,245.26	10,118.56	6,965.74	93.93	92.53	67.01	-2,220.89	-1,710.64	715.61	551.38	164.23	4.357	
10,700.00	7,245.84	10,218.56	6,965.99	96.46	95.11	66.99	-2,220.48	-1,810.64	715.87	546.76	169.12	4.233	
10,800.00	7,246.42	10,318.56	6,966.24	99.01	97.70	66.97	-2,220.07	-1,910.64	716.14	542.11	174.03	4.115	
10,900.00	7,247.01	10,418.56	6,966.49	101.58	100.32	66.95	-2,219.66	-2,010.64	716.40	537.45	178.96	4.003	
11,000.00	7,247.59	10,518.56	6,966.74	104.16	102.95	66.93	-2,219.25	-2,110.64	716.67	532.76	183.91	3.897	
11,100.00	7,248.17	10,618.56	6,967.00	106.76	105.59	66.91	-2,218.84	-2,210.64	716.93	528.06	188.87	3.796	
11,200.00	7,248.75	10,718.56	6,967.25	109.37	108.24	66.89	-2,218.43	-2,310.63	717.20	523.34	193.86	3.700	
11,300.00	7,249.33	10,818.56	6,967.50	112.00	110.90	66.87	-2,218.02	-2,410.63	717.46	518.61	198.86	3.608	
11,400.00	7,249.91	10,918.55	6,967.75	114.64	113.57	66.85	-2,217.61	-2,510.63	717.73	513.86	203.87	3.521	
11,500.00	7,250.49	11,018.55	6,968.00	117.29	116.26	66.83	-2,217.20	-2,610.63	718.00	509.10	208.89	3.437	
11,600.00	7,251.07	11,118.55	6,968.26	119.95	118.95	66.81	-2,216.79	-2,710.63	718.26	504.33	213.93	3.357	
11,700.00	7,251.65	11,218.55	6,968.51	122.62	121.65	66.79	-2,216.38	-2,810.62	718.53	499.55	218.98	3.281	
11,800.00	7,252.23	11,318.55	6,968.76	125.30	124.35	66.77	-2,215.97	-2,910.62	718.79	494.76	224.03	3.208	
11,900.00	7,252.82	11,418.55	6,969.01	127.98	127.07	66.75	-2,215.56	-3,010.62	719.06	489.96	229.10	3.139	
12,000.00	7,253.40	11,518.55	6,969.26	130.68	129.79	66.73	-2,215.15	-3,110.62	719.33	485.15	234.18	3.072	
12,100.00	7,253.98	11,618.55	6,969.52	133.38	132.52	66.72	-2,214.75	-3,210.62	719.59	480.33	239.26	3.008	
12,200.00	7,254.56	11,718.55	6,969.77	136.09	135.25	66.70	-2,214.34	-3,310.62	719.86	475.51	244.35	2.946	
12,300.00	7,255.14	11,818.55	6,970.02	138.81	137.99	66.68	-2,213.93	-3,410.61	720.13	470.68	249.45	2.887	
12,400.00	7,255.72	11,918.55	6,970.27	141.53	140.73	66.66	-2,213.52	-3,510.61	720.39	465.84	254.55	2.830	
12,500.00	7,256.30	12,018.55	6,970.52	144.26	143.48	66.64	-2,213.11	-3,610.61	720.66	461.00	259.66	2.775	
12,600.00	7,256.88	12,118.55	6,970.77	146.99	146.23	66.62	-2,212.70	-3,710.61	720.93	456.15	264.77	2.723	
12,700.00	7,257.46	12,218.55	6,971.03	149.73	148.99	66.60	-2,212.29	-3,810.61	721.19	451.30	269.89	2.672	
12,800.00	7,258.04	12,318.55	6,971.28	152.47	151.75	66.58	-2,211.88	-3,910.60	721.46	446.44	275.02	2.623	
12,900.00	7,258.63	12,418.55	6,971.53	155.22	154.51	66.56	-2,211.47	-4,010.60	721.73	441.58	280.15	2.576	
13,000.00	7,259.21	12,518.54	6,971.78	157.97	157.28	66.54	-2,211.06	-4,110.60	721.99	436.71	285.28	2.531	
13,100.00	7,259.79	12,618.54	6,972.03	160.72	160.05	66.52	-2,210.65	-4,210.60	722.26	431.84	290.42	2.487	
13,200.00	7,260.37	12,718.54	6,972.29	163.48	162.82	66.50	-2,210.24	-4,310.60	722.53	426.97	295.56	2.445	
13,300.00	7,260.95	12,818.54	6,972.54	166.24	165.60	66.48	-2,209.83	-4,410.60	722.79	422.09	300.70	2.404	
13,400.00	7,261.53	12,918.54	6,972.79	169.01	168.38	66.46	-2,209.42	-4,510.59	723.06	417.22	305.85	2.364	
13,480.77	7,262.00	12,999.31	6,972.99	171.24	170.63	66.45	-2,209.09	-4,591.36	723.28	413.27	310.00	2.333	SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	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	
300.00	300.00	300.89	300.87	3.44	3.44	2.24	28.68	1.12	28.71	21.82	6.89	4.164	
400.00	399.98	401.64	401.47	3.60	3.60	-148.68	24.00	3.64	25.79	18.57	7.22	3.574	
500.00	499.84	502.25	501.69	3.79	3.80	-142.99	16.22	7.84	23.15	15.53	7.62	3.038	
600.00	599.45	602.74	601.42	4.02	4.04	-135.49	5.36	13.69	20.93	12.83	8.10	2.583	
700.00	698.70	703.10	700.52	4.29	4.33	-126.02	-8.55	21.18	19.31	10.67	8.65	2.233	
800.00	797.47	803.33	798.88	4.59	4.65	-114.90	-25.48	30.31	18.49	9.23	9.26	1.997	
837.68	834.53	841.07	835.74	4.72	4.79	-110.46	-32.64	34.16	18.42	8.91	9.51	1.936	CC
900.00	895.62	903.43	896.39	4.93	5.02	-103.08	-45.40	41.04	18.62	8.66	9.95	1.870	ES
1,000.00	993.06	1,003.41	992.92	5.31	5.42	-91.87	-68.28	53.37	19.70	8.97	10.73	1.836	
1,100.00	1,089.64	1,103.25	1,088.35	5.72	5.86	-82.25	-94.07	67.27	21.65	10.07	11.58	1.869	
1,200.00	1,185.27	1,202.96	1,182.59	6.16	6.34	-74.54	-122.74	82.72	24.29	11.80	12.49	1.944	
1,300.00	1,279.82	1,302.54	1,275.52	6.64	6.86	-68.60	-154.23	99.69	27.46	14.00	13.45	2.041	
1,400.00	1,373.17	1,407.83	1,367.02	7.15	7.45	-64.12	-188.49	118.15	31.02	16.53	14.49	2.141	
1,500.00	1,465.21	1,501.92	1,458.25	7.70	8.01	-63.07	-224.42	137.51	34.03	18.49	15.54	2.190	
1,600.00	1,555.84	1,601.87	1,549.49	8.30	8.62	-67.19	-260.34	156.87	35.57	18.81	16.75	2.123	
1,651.50	1,601.92	1,653.31	1,596.45	8.62	8.94	-71.19	-278.83	166.84	35.96	18.53	17.43	2.063	
1,700.00	1,645.13	1,701.73	1,640.65	8.93	9.24	-75.54	-296.24	176.21	36.38	18.29	18.09	2.011	
1,800.00	1,734.20	1,801.56	1,731.78	9.58	9.88	-84.07	-332.12	195.55	37.88	18.44	19.45	1.948	
1,900.00	1,823.28	1,901.40	1,822.92	10.25	10.53	-91.80	-368.00	214.89	40.15	19.38	20.78	1.933	
2,000.00	1,912.36	2,001.23	1,914.05	10.94	11.19	-98.59	-403.89	234.23	43.07	21.01	22.06	1.953	
2,100.00	2,001.43	2,101.07	2,005.19	11.63	11.85	-104.46	-439.77	253.57	46.52	23.22	23.30	1.996	
2,200.00	2,090.51	2,200.91	2,096.32	12.34	12.52	-109.47	-475.65	272.90	50.38	25.88	24.50	2.056	
2,300.00	2,179.59	2,300.74	2,187.46	13.05	13.19	-113.74	-511.54	292.24	54.57	28.89	25.68	2.125	
2,400.00	2,268.66	2,400.58	2,278.59	13.76	13.87	-117.39	-547.42	311.58	59.02	32.18	26.84	2.199	
2,500.00	2,357.74	2,500.41	2,369.73	14.49	14.55	-120.51	-583.31	330.92	63.68	35.68	27.99	2.275	
2,600.00	2,446.82	2,600.25	2,460.86	15.21	15.23	-123.20	-619.19	350.25	68.49	39.35	29.14	2.351	
2,700.00	2,535.89	2,700.08	2,552.00	15.95	15.92	-125.54	-655.07	369.59	73.44	43.16	30.28	2.425	
2,800.00	2,624.97	2,800.08	2,643.13	16.68	16.61	-127.58	-690.96	388.93	78.50	47.07	31.43	2.498	
2,900.00	2,714.05	2,899.75	2,734.27	17.42	17.30	-129.37	-726.84	408.27	83.64	51.07	32.57	2.568	
3,000.00	2,803.12	3,000.41	2,825.40	18.16	18.00	-130.95	-762.73	427.60	88.86	55.13	33.73	2.635	
3,100.00	2,892.20	3,099.43	2,916.53	18.90	18.69	-132.35	-798.61	446.94	94.13	59.26	34.88	2.699	
3,200.00	2,981.28	3,199.26	3,007.67	19.65	19.38	-133.60	-834.49	466.28	99.46	63.43	36.03	2.761	
3,300.00	3,070.36	3,300.90	3,098.80	20.40	20.09	-134.73	-870.38	485.62	104.83	67.63	37.20	2.818	
3,400.00	3,159.43	3,398.93	3,189.94	21.14	20.78	-135.75	-906.26	504.96	110.23	71.89	38.35	2.875	
3,500.00	3,248.51	3,501.23	3,281.07	21.89	21.50	-136.67	-942.15	524.29	115.67	76.14	39.53	2.926	
3,600.00	3,337.59	3,601.40	3,372.21	22.65	22.20	-137.51	-978.03	543.63	121.13	80.44	40.69	2.977	
3,700.00	3,426.66	3,701.56	3,463.34	23.40	22.90	-138.27	-1,013.91	562.97	126.62	84.75	41.86	3.024	
3,800.00	3,515.74	3,798.28	3,554.48	24.15	23.58	-138.98	-1,049.80	582.31	132.13	89.11	43.02	3.072	
3,900.00	3,604.82	3,898.11	3,645.61	24.91	24.29	-139.62	-1,085.68	601.64	137.65	93.46	44.19	3.115	
4,000.00	3,693.89	4,002.05	3,736.75	25.66	25.02	-140.22	-1,121.57	620.98	143.20	97.80	45.39	3.155	
4,100.00	3,782.97	4,097.78	3,827.88	26.42	25.69	-140.77	-1,157.45	640.32	148.75	102.21	46.54	3.196	
4,200.00	3,872.05	4,202.38	3,919.02	27.18	26.43	-141.28	-1,193.33	659.66	154.32	106.57	47.75	3.232	
4,300.00	3,961.12	4,302.55	4,010.15	27.94	27.14	-141.76	-1,229.22	678.99	159.90	110.97	48.94	3.268	
4,400.00	4,050.20	4,402.71	4,101.29	28.69	27.85	-142.20	-1,265.10	698.33	165.49	115.37	50.12	3.302	
4,500.00	4,139.28	4,502.87	4,192.42	29.45	28.56	-142.62	-1,300.99	717.67	171.09	119.78	51.31	3.335	
4,600.00	4,228.35	4,603.04	4,283.56	30.21	29.27	-143.01	-1,336.87	737.01	176.70	124.21	52.49	3.366	
4,700.00	4,317.43	4,696.80	4,374.69	30.97	29.93	-143.37	-1,372.75	756.34	182.32	128.67	53.64	3.399	
4,800.00	4,406.51	4,803.37	4,465.83	31.73	30.68	-143.71	-1,408.64	775.68	187.94	133.06	54.87	3.425	
4,900.00	4,495.59	4,896.47	4,556.96	32.50	31.34	-144.04	-1,444.52	795.02	193.57	137.55	56.02	3.455	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	5,003.70	4,648.10	33.26	32.11	-144.34	-1,480.41	814.36	199.20	141.94	57.26	3.479	
5,100.00	4,673.74	5,103.86	4,739.23	34.02	32.82	-144.63	-1,516.29	833.70	204.84	146.39	58.45	3.504	
5,200.00	4,762.82	5,204.03	4,830.37	34.78	33.53	-144.90	-1,552.17	853.03	210.49	150.84	59.65	3.529	
5,300.00	4,851.89	5,295.81	4,921.50	35.54	34.18	-145.16	-1,588.06	872.37	216.14	155.35	60.79	3.555	
5,400.00	4,940.97	5,404.35	5,012.64	36.31	34.95	-145.40	-1,623.94	891.71	221.79	159.75	62.04	3.575	
5,500.00	5,030.05	5,495.48	5,103.77	37.07	35.60	-145.64	-1,659.82	911.05	227.45	164.27	63.18	3.600	
5,600.00	5,119.12	5,595.32	5,194.91	37.83	36.31	-145.86	-1,695.71	930.38	233.11	168.73	64.38	3.621	
5,700.00	5,208.20	5,704.85	5,286.04	38.60	37.08	-146.07	-1,731.59	949.72	238.78	173.14	65.64	3.638	
5,800.00	5,297.28	5,794.99	5,377.18	39.36	37.73	-146.27	-1,767.48	969.06	244.44	177.67	66.77	3.661	
5,900.00	5,386.35	5,894.82	5,468.31	40.13	38.44	-146.46	-1,803.36	988.40	250.11	182.14	67.97	3.680	
6,000.00	5,475.43	5,994.66	5,559.44	40.89	39.15	-146.65	-1,839.24	1,007.73	255.79	186.62	69.17	3.698	
6,100.00	5,564.51	6,094.50	5,650.58	41.66	39.86	-146.82	-1,875.13	1,027.07	261.46	191.09	70.37	3.715	
6,200.00	5,653.58	6,205.67	5,741.71	42.42	40.65	-146.99	-1,911.01	1,046.41	267.14	195.50	71.64	3.729	
6,300.00	5,742.66	6,305.83	5,832.85	43.19	41.36	-147.15	-1,946.90	1,065.75	272.82	199.98	72.84	3.745	
6,400.00	5,831.74	6,406.00	5,923.98	43.95	42.07	-147.31	-1,982.78	1,085.09	278.50	204.46	74.05	3.761	
6,500.00	5,920.82	6,493.84	6,015.12	44.72	42.70	-147.46	-2,018.66	1,104.42	284.19	209.01	75.18	3.780	
6,600.00	6,009.89	6,593.67	6,106.25	45.48	43.41	-147.60	-2,054.55	1,123.76	289.87	213.50	76.38	3.795	
6,700.00	6,098.97	6,693.51	6,197.39	46.25	44.12	-147.74	-2,090.43	1,143.10	295.56	217.98	77.58	3.810	
6,800.00	6,188.05	6,806.65	6,288.52	47.01	44.93	-147.87	-2,126.32	1,162.44	301.25	222.39	78.86	3.820	
6,900.00	6,277.12	6,893.18	6,379.66	47.78	45.54	-147.99	-2,162.20	1,181.77	306.94	226.96	79.99	3.837	
7,000.00	6,366.20	6,997.80	6,475.73	48.55	46.26	-148.82	-2,200.01	1,198.25	312.13	231.17	80.96	3.855	
7,100.00	6,455.28	7,101.33	6,572.00	49.31	46.82	-152.46	-2,237.79	1,198.65	315.84	234.84	81.00	3.899	
7,197.64	6,542.25	7,194.24	6,657.46	50.06	47.18	-158.12	-2,271.25	1,184.73	320.69	240.18	80.51	3.983	
7,200.00	6,544.35	7,196.36	6,659.38	50.08	47.18	-158.67	-2,272.00	1,184.26	320.85	240.36	80.50	3.986	
7,250.00	6,589.22	7,240.70	6,699.26	50.44	47.32	-170.87	-2,287.59	1,172.80	324.99	244.76	80.23	4.051	
7,300.00	6,634.48	7,283.92	6,737.34	50.77	47.43	176.29	-2,302.45	1,158.78	330.26	250.26	80.01	4.128	
7,350.00	6,679.86	7,326.15	6,773.62	51.06	47.52	163.33	-2,316.59	1,142.44	336.52	256.74	79.78	4.218	
7,400.00	6,725.09	7,367.49	6,808.08	51.31	47.60	150.87	-2,330.00	1,123.98	343.57	264.07	79.50	4.322	
7,450.00	6,769.87	7,408.04	6,840.73	51.52	47.67	139.42	-2,342.70	1,103.57	351.24	272.11	79.13	4.439	
7,500.00	6,813.94	7,447.88	6,871.58	51.69	47.74	129.25	-2,354.67	1,081.39	359.36	280.70	78.66	4.569	
7,550.00	6,857.03	7,487.09	6,900.62	51.84	47.80	120.41	-2,365.93	1,057.58	367.75	289.68	78.08	4.710	
7,600.00	6,898.86	7,525.73	6,927.86	51.95	47.87	112.81	-2,376.47	1,032.29	376.27	298.87	77.40	4.861	
7,650.00	6,939.19	7,563.88	6,953.30	52.05	47.93	106.33	-2,386.30	1,005.63	384.76	308.12	76.65	5.020	
7,700.00	6,977.75	7,600.00	6,975.98	52.13	47.99	100.84	-2,395.04	978.92	393.11	317.32	75.80	5.186	
7,750.00	7,014.32	7,638.88	6,998.78	52.20	48.07	96.07	-2,403.81	948.68	401.19	326.12	75.07	5.344	
7,800.00	7,048.67	7,675.83	7,018.82	52.26	48.14	92.04	-2,411.50	918.61	408.89	334.56	74.33	5.501	
7,850.00	7,080.59	7,712.47	7,037.06	52.33	48.23	88.61	-2,418.47	887.61	416.13	342.44	73.69	5.647	
7,900.00	7,109.87	7,750.00	7,053.99	52.39	48.32	85.67	-2,424.92	854.75	422.84	349.62	73.22	5.775	
7,950.00	7,136.35	7,784.99	7,068.13	52.47	48.42	83.23	-2,430.28	823.20	428.93	356.03	72.90	5.884	
8,000.00	7,159.85	7,820.93	7,080.95	52.55	48.53	81.18	-2,435.12	789.98	434.35	361.51	72.84	5.963	
8,050.00	7,180.23	7,856.70	7,091.96	52.64	48.65	79.48	-2,439.24	756.20	439.05	366.02	73.04	6.011	
8,100.00	7,197.37	7,892.34	7,101.16	52.75	48.78	78.12	-2,442.65	721.94	443.00	369.47	73.53	6.025	
8,150.00	7,211.16	7,927.86	7,108.54	52.88	48.92	77.07	-2,445.34	687.30	446.14	371.82	74.32	6.003	
8,200.00	7,221.51	7,963.31	7,114.10	53.03	49.08	76.31	-2,447.31	652.36	448.47	373.06	75.41	5.947	
8,250.00	7,228.37	8,000.00	7,117.94	53.20	49.26	75.83	-2,448.60	615.89	449.96	373.23	76.73	5.864	
8,300.00	7,231.68	8,034.05	7,119.75	53.40	49.44	75.62	-2,449.11	581.90	450.60	372.17	78.43	5.745	
8,317.45	7,232.00	8,049.84	7,119.98	53.47	49.52	75.61	-2,449.13	570.15	450.62	371.48	79.13	5.694	
8,400.00	7,232.48	8,128.35	7,120.65	53.86	50.02	75.63	-2,448.91	487.61	450.58	369.49	81.09	5.557	
8,500.00	7,233.06	8,228.35	7,121.47	54.44	50.76	75.66	-2,448.63	387.61	450.53	366.76	83.78	5.378	
8,600.00	7,233.64	8,328.35	7,122.28	55.14	51.67	75.69	-2,448.36	287.61	450.49	363.75	86.74	5.193	
8,700.00	7,234.22	8,428.35	7,123.09	55.99	52.76	75.72	-2,448.08	187.62	450.45	360.49	89.95	5.007	
8,800.00	7,234.80	8,528.35	7,123.91	57.00	54.01	75.75	-2,447.81	87.62	450.40	357.01	93.39	4.823	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,628.35	7,124.72	58.18	55.43	75.77	-2,447.53	-12.37	450.36	353.33	97.03	4.641	
9,000.00	7,235.97	8,728.35	7,125.53	59.53	57.01	75.80	-2,447.26	-112.37	450.31	349.47	100.85	4.465	
9,100.00	7,236.55	8,828.35	7,126.35	61.04	58.72	75.83	-2,446.98	-212.37	450.27	345.45	104.82	4.296	
9,200.00	7,237.13	8,928.35	7,127.16	62.69	60.55	75.86	-2,446.71	-312.36	450.22	341.28	108.94	4.133	
9,300.00	7,237.71	9,028.35	7,127.98	64.47	62.49	75.89	-2,446.43	-412.36	450.18	337.00	113.19	3.977	
9,400.00	7,238.29	9,128.35	7,128.79	66.36	64.51	75.92	-2,446.16	-512.35	450.14	332.59	117.54	3.830	
9,500.00	7,238.87	9,228.35	7,129.60	68.34	66.62	75.95	-2,445.88	-612.35	450.09	328.09	122.00	3.689	
9,600.00	7,239.45	9,328.35	7,130.42	70.41	68.79	75.98	-2,445.61	-712.35	450.05	323.50	126.55	3.556	
9,700.00	7,240.03	9,428.35	7,131.23	72.55	71.02	76.01	-2,445.34	-812.34	450.01	318.82	131.19	3.430	
9,800.00	7,240.61	9,528.35	7,132.04	74.76	73.30	76.04	-2,445.06	-912.34	449.96	314.07	135.89	3.311	
9,900.00	7,241.20	9,628.35	7,132.86	77.02	75.63	76.07	-2,444.79	-1,012.33	449.92	309.26	140.66	3.199	
10,000.00	7,241.78	9,728.35	7,133.67	79.33	78.00	76.10	-2,444.51	-1,112.33	449.88	304.38	145.49	3.092	
10,100.00	7,242.36	9,828.35	7,134.49	81.68	80.41	76.12	-2,444.24	-1,212.33	449.84	299.46	150.38	2.991	
10,200.00	7,242.94	9,928.34	7,135.30	84.07	82.85	76.15	-2,443.96	-1,312.32	449.79	294.48	155.31	2.896	
10,300.00	7,243.52	10,028.34	7,136.11	86.49	85.32	76.18	-2,443.69	-1,412.32	449.75	289.46	160.29	2.806	
10,400.00	7,244.10	10,128.34	7,136.93	88.95	87.82	76.21	-2,443.41	-1,512.31	449.71	284.39	165.31	2.720	
10,500.00	7,244.68	10,228.34	7,137.74	91.43	90.34	76.24	-2,443.14	-1,612.31	449.67	279.29	170.37	2.639	
10,600.00	7,245.26	10,328.34	7,138.55	93.93	92.88	76.27	-2,442.86	-1,712.31	449.62	274.16	175.46	2.563	
10,700.00	7,245.84	10,428.34	7,139.37	96.46	95.44	76.30	-2,442.59	-1,812.30	449.58	269.00	180.59	2.490	
10,800.00	7,246.42	10,528.34	7,140.18	99.01	98.02	76.33	-2,442.31	-1,912.30	449.54	263.80	185.74	2.420	
10,900.00	7,247.01	10,628.34	7,140.99	101.58	100.62	76.36	-2,442.04	-2,012.29	449.50	258.58	190.92	2.354	
11,000.00	7,247.59	10,728.34	7,141.81	104.16	103.23	76.39	-2,441.76	-2,112.29	449.46	253.34	196.12	2.292	
11,100.00	7,248.17	10,828.34	7,142.62	106.76	105.85	76.42	-2,441.49	-2,212.29	449.41	248.07	201.34	2.232	
11,200.00	7,248.75	10,928.34	7,143.44	109.37	108.49	76.45	-2,441.22	-2,312.28	449.37	242.78	206.59	2.175	
11,300.00	7,249.33	11,028.34	7,144.25	112.00	111.14	76.48	-2,440.94	-2,412.28	449.33	237.47	211.86	2.121	
11,400.00	7,249.91	11,128.34	7,145.06	114.64	113.80	76.50	-2,440.67	-2,512.27	449.29	232.15	217.14	2.069	
11,500.00	7,250.49	11,228.34	7,145.88	117.29	116.47	76.53	-2,440.39	-2,612.27	449.25	226.80	222.45	2.020	
11,600.00	7,251.07	11,328.34	7,146.69	119.95	119.15	76.56	-2,440.12	-2,712.27	449.21	221.44	227.76	1.972	
11,700.00	7,251.65	11,428.34	7,147.50	122.62	121.83	76.59	-2,439.84	-2,812.26	449.17	216.07	233.10	1.927	
11,800.00	7,252.23	11,528.34	7,148.32	125.30	124.53	76.62	-2,439.57	-2,912.26	449.13	210.68	238.44	1.884	
11,900.00	7,252.82	11,628.34	7,149.13	127.98	127.23	76.65	-2,439.29	-3,012.26	449.09	205.28	243.80	1.842	
12,000.00	7,253.40	11,728.34	7,149.94	130.68	129.94	76.68	-2,439.02	-3,112.25	449.04	199.87	249.18	1.802	
12,100.00	7,253.98	11,828.34	7,150.76	133.38	132.66	76.71	-2,438.74	-3,212.25	449.00	194.44	254.56	1.764	
12,200.00	7,254.56	11,928.34	7,151.57	136.09	135.38	76.74	-2,438.47	-3,312.24	448.96	189.01	259.96	1.727	
12,300.00	7,255.14	12,028.34	7,152.39	138.81	138.11	76.77	-2,438.19	-3,412.24	448.92	183.56	265.36	1.692	
12,400.00	7,255.72	12,128.34	7,153.20	141.53	140.84	76.80	-2,437.92	-3,512.24	448.88	178.10	270.78	1.658	
12,500.00	7,256.30	12,228.34	7,154.01	144.26	143.58	76.83	-2,437.64	-3,612.23	448.84	172.64	276.21	1.625	
12,600.00	7,256.88	12,328.34	7,154.83	146.99	146.33	76.86	-2,437.37	-3,712.23	448.80	167.16	281.64	1.594	
12,700.00	7,257.46	12,428.34	7,155.64	149.73	149.08	76.89	-2,437.10	-3,812.22	448.76	161.68	287.08	1.563	
12,800.00	7,258.04	12,528.34	7,156.45	152.47	151.83	76.91	-2,436.82	-3,912.22	448.72	156.19	292.53	1.534	
12,900.00	7,258.63	12,628.34	7,157.27	155.22	154.59	76.94	-2,436.55	-4,012.22	448.68	150.69	297.99	1.506	
13,000.00	7,259.21	12,728.34	7,158.08	157.97	157.35	76.97	-2,436.27	-4,112.21	448.65	145.19	303.46	1.478	Level 3
13,100.00	7,259.79	12,828.34	7,158.89	160.72	160.11	77.00	-2,436.00	-4,212.21	448.61	139.68	308.93	1.452	Level 3
13,200.00	7,260.37	12,928.34	7,159.71	163.48	162.88	77.03	-2,435.72	-4,312.20	448.57	134.16	314.41	1.427	Level 3
13,300.00	7,260.95	13,028.34	7,160.52	166.24	165.65	77.06	-2,435.45	-4,412.20	448.53	128.63	319.90	1.402	Level 3
13,400.00	7,261.53	13,128.34	7,161.34	169.01	168.42	77.09	-2,435.17	-4,512.20	448.49	123.10	325.39	1.378	Level 3
13,480.77	7,262.00	13,209.11	7,161.99	171.24	170.67	77.11	-2,434.95	-4,592.96	448.46	118.63	329.83	1.360	Level 3, SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	210.21	1.95	210.22				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	210.21	1.95	210.22	203.65	6.57	32.000	
200.00	200.00	200.00	200.00	3.34	3.34	0.53	210.21	1.95	210.22	203.54	6.67	31.498	
261.45	261.45	261.46	261.45	3.40	3.40	0.71	210.20	2.61	210.22	203.42	6.79	30.947	CC
300.00	300.00	299.98	299.96	3.44	3.44	1.01	210.19	3.69	210.22	203.33	6.89	30.523	ES
400.00	399.98	399.75	399.59	3.60	3.60	-152.89	210.12	8.91	211.86	204.67	7.19	29.454	
500.00	499.84	499.13	498.59	3.79	3.80	-151.19	210.02	17.55	216.84	209.26	7.59	28.584	
600.00	599.45	597.91	596.63	4.02	4.05	-149.10	209.87	29.53	225.29	217.23	8.06	27.939	
700.00	698.70	695.91	693.44	4.29	4.32	-146.76	209.68	44.76	237.34	228.72	8.62	27.547	
800.00	797.47	792.94	788.71	4.59	4.64	-144.31	209.45	63.08	253.08	243.85	9.23	27.406	
900.00	895.62	889.60	883.03	4.93	4.98	-141.88	209.19	84.26	272.51	262.59	9.91	27.492	
1,000.00	993.06	986.73	977.67	5.31	5.36	-140.00	208.92	106.08	295.02	284.38	10.64	27.720	
1,100.00	1,089.64	1,083.36	1,071.83	5.72	5.76	-138.72	208.65	127.79	320.28	308.86	11.42	28.057	
1,200.00	1,185.27	1,179.37	1,165.39	6.16	6.17	-137.93	208.38	149.37	348.11	335.88	12.22	28.479	
1,300.00	1,279.82	1,274.66	1,258.24	6.64	6.59	-137.53	208.12	170.77	378.42	365.36	13.06	28.969	
1,400.00	1,373.17	1,369.11	1,350.27	7.15	7.01	-137.43	207.85	191.99	411.18	397.25	13.93	29.516	
1,500.00	1,465.21	1,462.59	1,441.37	7.70	7.44	-137.55	207.59	213.00	446.40	431.58	14.82	30.116	
1,600.00	1,555.84	1,555.00	1,531.41	8.30	7.88	-137.84	207.34	233.76	484.08	468.34	15.74	30.763	
1,651.50	1,601.92	1,602.14	1,577.34	8.62	8.10	-138.04	207.20	244.35	504.45	488.24	16.21	31.111	
1,700.00	1,645.13	1,646.37	1,620.45	8.93	8.31	-138.50	207.08	254.29	523.96	507.30	16.67	31.440	
1,800.00	1,734.20	1,737.58	1,709.33	9.58	8.75	-139.35	206.83	274.78	564.28	546.68	17.60	32.056	
1,900.00	1,823.28	1,828.79	1,798.20	10.25	9.19	-140.09	206.57	295.27	604.69	586.13	18.56	32.589	
2,000.00	1,912.36	1,920.00	1,887.08	10.94	9.64	-140.74	206.32	315.76	645.17	625.65	19.52	33.054	
2,100.00	2,001.43	2,011.21	1,975.96	11.63	10.09	-141.31	206.06	336.25	685.71	665.22	20.49	33.461	
2,200.00	2,090.51	2,102.42	2,064.84	12.34	10.54	-141.82	205.81	356.75	726.31	704.83	21.47	33.821	
2,300.00	2,179.59	2,206.37	2,153.71	13.05	11.06	-142.28	205.56	377.24	766.94	744.42	22.53	34.044	
2,400.00	2,268.66	2,284.84	2,242.59	13.76	11.45	-142.69	205.30	397.73	807.62	784.16	23.46	34.424	
2,500.00	2,357.74	2,376.05	2,331.47	14.49	11.91	-143.06	205.05	418.22	848.32	823.86	24.46	34.679	
2,600.00	2,446.82	2,467.26	2,420.35	15.21	12.37	-143.39	204.79	438.71	889.05	863.59	25.47	34.908	
2,700.00	2,535.89	2,558.47	2,509.23	15.95	12.83	-143.70	204.54	459.21	929.81	903.33	26.48	35.114	
2,800.00	2,624.97	2,649.68	2,598.10	16.68	13.30	-143.98	204.29	479.70	970.58	943.09	27.49	35.301	
2,900.00	2,714.05	2,740.89	2,686.98	17.42	13.76	-144.24	204.03	500.19	1,011.38	982.87	28.51	35.472	
3,000.00	2,803.12	2,832.10	2,775.86	18.16	14.23	-144.48	203.78	520.68	1,052.19	1,022.65	29.53	35.627	
3,100.00	2,892.20	2,923.31	2,864.74	18.90	14.69	-144.70	203.52	541.17	1,093.01	1,062.45	30.56	35.769	
3,200.00	2,981.28	3,014.52	2,953.61	19.65	15.16	-144.90	203.27	561.67	1,133.85	1,102.26	31.58	35.900	
3,300.00	3,070.36	3,105.73	3,042.49	20.40	15.63	-145.09	203.02	582.16	1,174.69	1,142.08	32.61	36.021	
3,400.00	3,159.43	3,203.06	3,131.37	21.14	16.13	-145.27	202.76	602.65	1,215.55	1,181.88	33.67	36.098	
3,500.00	3,248.51	3,288.15	3,220.25	21.89	16.57	-145.44	202.51	623.14	1,256.42	1,221.74	34.67	36.235	
3,600.00	3,337.59	3,379.36	3,309.12	22.65	17.04	-145.59	202.25	643.64	1,297.29	1,261.58	35.71	36.330	
3,700.00	3,426.66	3,470.57	3,398.00	23.40	17.51	-145.74	202.00	664.13	1,338.17	1,301.43	36.74	36.419	
3,800.00	3,515.74	3,561.78	3,486.88	24.15	17.98	-145.88	201.75	684.62	1,379.06	1,341.28	37.78	36.502	
3,900.00	3,604.82	3,652.99	3,575.76	24.91	18.45	-146.01	201.49	705.11	1,419.96	1,381.14	38.82	36.579	
4,000.00	3,693.89	3,744.20	3,664.63	25.66	18.92	-146.13	201.24	725.60	1,460.86	1,421.00	39.86	36.651	
4,100.00	3,782.97	3,835.41	3,753.51	26.42	19.40	-146.25	200.98	746.10	1,501.76	1,460.87	40.90	36.719	
4,200.00	3,872.05	3,926.62	3,842.39	27.18	19.87	-146.36	200.73	766.59	1,542.68	1,500.74	41.94	36.783	
4,300.00	3,961.12	4,017.83	3,931.27	27.94	20.34	-146.46	200.48	787.08	1,583.59	1,540.61	42.98	36.842	
4,400.00	4,050.20	4,109.04	4,020.14	28.69	20.82	-146.56	200.22	807.57	1,624.51	1,580.48	44.03	36.899	
4,500.00	4,139.28	4,200.25	4,109.02	29.45	21.29	-146.65	199.97	828.06	1,665.43	1,620.36	45.07	36.952	
4,600.00	4,228.35	4,308.54	4,197.90	30.21	21.85	-146.74	199.71	848.56	1,706.36	1,660.16	46.20	36.931	
4,700.00	4,317.43	4,382.67	4,286.78	30.97	22.24	-146.83	199.46	869.05	1,747.29	1,700.13	47.16	37.049	
4,800.00	4,406.51	4,473.88	4,375.66	31.73	22.71	-146.91	199.21	889.54	1,788.22	1,740.02	48.21	37.094	
4,900.00	4,495.59	4,565.09	4,464.53	32.50	23.19	-146.99	198.95	910.03	1,829.16	1,779.91	49.25	37.137	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,656.30	4,553.41	33.26	23.66	-147.06	198.70	930.52	1,870.10	1,819.80	50.30	37.177	
5,100.00	4,673.74	4,747.51	4,642.29	34.02	24.14	-147.13	198.44	951.02	1,911.04	1,859.69	51.35	37.216	
5,200.00	4,762.82	4,838.72	4,731.17	34.78	24.61	-147.20	198.19	971.51	1,951.99	1,899.59	52.40	37.252	
5,300.00	4,851.89	4,929.93	4,820.04	35.54	25.09	-147.26	197.94	992.00	1,992.93	1,939.48	53.45	37.287	
5,400.00	4,940.97	5,021.14	4,908.92	36.31	25.57	-147.33	197.68	1,012.49	2,033.88	1,979.38	54.50	37.320	
5,500.00	5,030.05	5,112.34	4,997.80	37.07	26.04	-147.39	197.43	1,032.98	2,074.83	2,019.28	55.55	37.351	
5,600.00	5,119.12	5,203.55	5,086.68	37.83	26.52	-147.45	197.17	1,053.48	2,115.78	2,059.18	56.60	37.382	
5,700.00	5,208.20	5,305.24	5,175.55	38.60	27.05	-147.50	196.92	1,073.97	2,156.73	2,099.03	57.71	37.375	
5,800.00	5,297.28	5,385.97	5,264.43	39.36	27.47	-147.55	196.67	1,094.46	2,197.69	2,138.99	58.70	37.438	
5,900.00	5,386.35	5,477.18	5,353.31	40.13	27.95	-147.61	196.41	1,114.95	2,238.65	2,178.89	59.75	37.464	
6,000.00	5,475.43	5,568.39	5,442.19	40.89	28.43	-147.66	196.16	1,135.44	2,279.60	2,218.80	60.81	37.489	
6,100.00	5,564.51	5,663.79	5,535.39	41.66	28.91	-147.74	195.91	1,155.76	2,320.49	2,258.61	61.89	37.495	
6,200.00	5,653.58	5,759.85	5,629.86	42.42	29.38	-147.90	195.69	1,173.11	2,361.20	2,298.26	62.94	37.513	
6,300.00	5,742.66	5,855.58	5,724.54	43.19	29.82	-148.14	195.52	1,187.24	2,401.75	2,337.79	63.96	37.551	
6,400.00	5,831.74	5,950.76	5,819.09	43.95	30.24	-148.45	195.38	1,198.14	2,442.16	2,377.22	64.94	37.609	
6,500.00	5,920.82	6,045.19	5,913.21	44.72	30.64	-148.83	195.28	1,205.85	2,482.48	2,416.61	65.87	37.687	
6,600.00	6,009.89	6,138.69	6,006.58	45.48	31.01	-149.26	195.23	1,210.42	2,522.76	2,456.00	66.77	37.784	
6,700.00	6,098.97	6,231.06	6,098.94	46.25	31.36	-149.75	195.21	1,211.95	2,563.07	2,495.44	67.63	37.901	
6,800.00	6,188.05	6,320.17	6,188.05	47.01	31.68	-150.24	195.21	1,211.95	2,603.48	2,535.04	68.43	38.044	
6,900.00	6,277.12	6,409.24	6,277.12	47.78	32.00	-150.72	195.21	1,211.95	2,644.05	2,574.81	69.24	38.185	
7,000.00	6,366.20	6,501.68	6,366.20	48.55	32.34	-151.18	195.21	1,211.95	2,684.79	2,614.72	70.07	38.317	
7,100.00	6,455.28	6,587.40	6,455.28	49.31	32.66	-151.63	195.21	1,211.95	2,725.67	2,654.80	70.87	38.460	
7,197.64	6,542.25	6,674.37	6,542.25	50.06	32.98	-152.06	195.21	1,211.95	2,765.72	2,694.05	71.67	38.591	
7,200.00	6,544.35	6,676.47	6,544.35	50.08	32.98	-152.55	195.21	1,211.95	2,766.69	2,695.00	71.69	38.594	
7,250.00	6,589.22	6,721.34	6,589.22	50.44	33.15	-163.45	195.21	1,211.95	2,787.40	2,715.31	72.09	38.664	
7,300.00	6,634.48	6,761.36	6,629.23	50.77	33.29	-175.07	195.23	1,211.46	2,808.33	2,735.89	72.45	38.765	
7,350.00	6,679.86	6,798.61	6,666.39	51.06	33.42	173.07	195.36	1,208.92	2,829.43	2,756.68	72.76	38.890	
7,400.00	6,725.09	6,835.75	6,703.22	51.31	33.55	161.56	195.60	1,204.24	2,850.58	2,777.52	73.06	39.019	
7,450.00	6,769.87	6,872.85	6,739.68	51.52	33.69	150.92	195.95	1,197.42	2,871.64	2,798.29	73.35	39.148	
7,500.00	6,813.94	6,909.99	6,775.73	51.69	33.83	141.42	196.40	1,188.48	2,892.48	2,818.83	73.65	39.272	
7,550.00	6,857.03	6,947.26	6,811.31	51.84	33.98	133.14	196.96	1,177.42	2,912.98	2,839.01	73.96	39.386	
7,600.00	6,898.86	6,984.72	6,846.36	51.95	34.13	125.99	197.63	1,164.23	2,933.01	2,858.72	74.29	39.482	
7,650.00	6,939.19	7,022.47	6,880.83	52.05	34.30	119.85	198.41	1,148.87	2,952.45	2,877.82	74.64	39.558	
7,700.00	6,977.75	7,060.56	6,914.63	52.13	34.48	114.58	199.30	1,131.34	2,971.20	2,896.19	75.01	39.609	
7,750.00	7,014.32	7,099.08	6,947.68	52.20	34.67	110.06	200.30	1,111.58	2,989.14	2,913.72	75.42	39.631	
7,800.00	7,048.67	7,138.10	6,979.87	52.26	34.88	106.17	201.42	1,089.58	3,006.18	2,930.29	75.88	39.616	
7,850.00	7,080.59	7,177.69	7,011.09	52.33	35.11	102.83	202.65	1,065.28	3,022.20	2,945.82	76.39	39.564	
7,900.00	7,109.87	7,217.90	7,041.20	52.39	35.35	99.97	204.01	1,038.67	3,037.14	2,960.19	76.95	39.469	
7,950.00	7,136.35	7,258.82	7,070.04	52.47	35.63	97.54	205.48	1,009.69	3,050.89	2,973.32	77.57	39.329	
8,000.00	7,159.85	7,300.49	7,097.44	52.55	35.93	95.50	207.07	978.35	3,063.38	2,985.12	78.26	39.142	
8,050.00	7,180.23	7,342.97	7,123.19	52.64	36.26	93.81	208.78	944.62	3,074.55	2,995.52	79.03	38.902	
8,100.00	7,197.37	7,386.31	7,147.09	52.75	36.63	92.44	210.61	908.51	3,084.32	3,004.44	79.88	38.612	
8,150.00	7,211.16	7,430.55	7,168.89	52.88	37.04	91.37	212.56	870.07	3,092.65	3,011.84	80.81	38.272	
8,200.00	7,221.51	7,475.73	7,188.34	53.03	37.49	90.60	214.63	829.36	3,099.48	3,017.67	81.81	37.885	
8,250.00	7,228.37	7,521.87	7,205.16	53.20	37.98	90.10	216.81	786.46	3,104.77	3,021.87	82.90	37.454	
8,300.00	7,231.68	7,568.98	7,219.09	53.40	38.51	89.87	219.09	741.53	3,108.49	3,024.44	84.05	36.984	
8,317.45	7,232.00	7,585.65	7,223.21	53.47	38.70	89.85	219.91	725.40	3,109.42	3,024.95	84.47	36.812	
8,400.00	7,232.48	7,666.73	7,237.18	53.86	39.70	90.10	223.96	645.69	3,113.38	3,026.84	86.54	35.975	
8,500.00	7,233.06	7,767.26	7,241.05	54.44	41.02	90.16	229.05	545.43	3,118.19	3,028.97	89.22	34.949	
8,600.00	7,233.64	7,867.14	7,241.22	55.14	42.47	90.16	234.11	445.68	3,123.00	3,030.86	92.14	33.894	
8,700.00	7,234.22	7,967.02	7,241.38	55.99	44.06	90.15	239.17	345.92	3,127.81	3,032.50	95.31	32.818	
8,800.00	7,234.80	8,066.91	7,241.55	57.00	45.76	90.14	244.24	246.17	3,132.62	3,033.91	98.71	31.736	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,166.79	7,241.72	58.18	47.59	90.13	249.30	146.41	3,137.43	3,035.11	102.32	30.664	
9,000.00	7,235.97	8,266.67	7,241.88	59.53	49.51	90.12	254.37	46.66	3,142.23	3,036.12	106.11	29.612	
9,100.00	7,236.55	8,366.56	7,242.05	61.04	51.51	90.12	259.43	-53.10	3,147.04	3,036.97	110.08	28.589	
9,200.00	7,237.13	8,466.44	7,242.22	62.69	53.60	90.11	264.50	-152.85	3,151.85	3,037.66	114.19	27.602	
9,300.00	7,237.71	8,566.32	7,242.38	64.47	55.76	90.10	269.56	-252.61	3,156.66	3,038.22	118.44	26.652	
9,400.00	7,238.29	8,666.21	7,242.55	66.36	57.98	90.09	274.62	-352.36	3,161.47	3,038.66	122.81	25.743	
9,500.00	7,238.87	8,766.09	7,242.71	68.34	60.25	90.09	279.69	-452.12	3,166.28	3,038.99	127.28	24.876	
9,600.00	7,239.45	8,865.97	7,242.88	70.41	62.57	90.08	284.75	-551.87	3,171.09	3,039.23	131.86	24.049	
9,700.00	7,240.03	8,965.86	7,243.05	72.55	64.94	90.07	289.82	-651.63	3,175.90	3,039.38	136.52	23.263	
9,800.00	7,240.61	9,065.74	7,243.21	74.76	67.35	90.06	294.88	-751.38	3,180.70	3,039.45	141.26	22.517	
9,900.00	7,241.20	9,165.62	7,243.38	77.02	69.79	90.06	299.95	-851.14	3,185.51	3,039.45	146.07	21.809	
10,000.00	7,241.78	9,265.51	7,243.55	79.33	72.26	90.05	305.01	-950.89	3,190.32	3,039.38	150.94	21.136	
10,100.00	7,242.36	9,365.39	7,243.71	81.68	74.76	90.04	310.07	-1,050.65	3,195.13	3,039.26	155.87	20.498	
10,200.00	7,242.94	9,465.27	7,243.88	84.07	77.29	90.03	315.14	-1,150.40	3,199.94	3,039.08	160.86	19.893	
10,300.00	7,243.52	9,565.16	7,244.04	86.49	79.84	90.03	320.20	-1,250.16	3,204.75	3,038.86	165.89	19.319	
10,400.00	7,244.10	9,665.04	7,244.21	88.95	82.41	90.02	325.27	-1,349.91	3,209.56	3,038.59	170.96	18.773	
10,500.00	7,244.68	9,764.92	7,244.38	91.43	85.00	90.01	330.33	-1,449.67	3,214.37	3,038.29	176.08	18.255	
10,600.00	7,245.26	9,864.81	7,244.54	93.93	87.61	90.00	335.40	-1,549.42	3,219.18	3,037.95	181.23	17.763	
10,700.00	7,245.84	9,964.69	7,244.71	96.46	90.23	90.00	340.46	-1,649.18	3,223.99	3,037.57	186.42	17.295	
10,800.00	7,246.42	10,064.57	7,244.88	99.01	92.87	89.99	345.52	-1,748.93	3,228.80	3,037.16	191.63	16.849	
10,900.00	7,247.01	10,164.46	7,245.04	101.58	95.52	89.98	350.59	-1,848.68	3,233.61	3,036.73	196.88	16.424	
11,000.00	7,247.59	10,264.34	7,245.21	104.16	98.18	89.97	355.65	-1,948.44	3,238.41	3,036.27	202.15	16.020	
11,100.00	7,248.17	10,364.22	7,245.38	106.76	100.86	89.97	360.72	-2,048.19	3,243.22	3,035.78	207.44	15.634	
11,200.00	7,248.75	10,464.11	7,245.54	109.37	103.54	89.96	365.78	-2,147.95	3,248.03	3,035.27	212.76	15.266	
11,300.00	7,249.33	10,563.99	7,245.71	112.00	106.24	89.95	370.85	-2,247.70	3,252.84	3,034.75	218.10	14.915	
11,400.00	7,249.91	10,663.87	7,245.87	114.64	108.94	89.94	375.91	-2,347.46	3,257.65	3,034.20	223.45	14.579	
11,500.00	7,250.49	10,763.76	7,246.04	117.29	111.66	89.94	380.97	-2,447.21	3,262.46	3,033.63	228.83	14.257	
11,600.00	7,251.07	10,863.64	7,246.21	119.95	114.38	89.93	386.04	-2,546.97	3,267.27	3,033.05	234.22	13.950	
11,700.00	7,251.65	10,963.52	7,246.37	122.62	117.10	89.92	391.10	-2,646.72	3,272.08	3,032.45	239.63	13.655	
11,800.00	7,252.23	11,063.41	7,246.54	125.30	119.84	89.92	396.17	-2,746.48	3,276.89	3,031.84	245.05	13.372	
11,900.00	7,252.82	11,163.29	7,246.71	127.98	122.58	89.91	401.23	-2,846.23	3,281.70	3,031.22	250.48	13.101	
12,000.00	7,253.40	11,263.18	7,246.87	130.68	125.32	89.90	406.30	-2,945.99	3,286.51	3,030.58	255.93	12.841	
12,100.00	7,253.98	11,645.33	7,247.54	133.38	135.81	89.88	410.05	-3,327.93	3,287.81	3,019.80	268.01	12.268	
12,200.00	7,254.56	11,745.26	7,247.72	136.09	138.55	89.87	406.55	-3,427.79	3,284.04	3,010.57	273.47	12.009	
12,300.00	7,255.14	11,845.19	7,247.90	138.81	141.28	89.86	403.05	-3,527.66	3,280.27	3,001.33	278.94	11.760	
12,400.00	7,255.72	11,945.12	7,248.08	141.53	144.03	89.85	399.54	-3,627.53	3,276.50	2,992.08	284.42	11.520	
12,500.00	7,256.30	12,045.05	7,248.27	144.26	146.77	89.85	396.04	-3,727.39	3,272.74	2,982.82	289.91	11.289	
12,600.00	7,256.88	12,144.97	7,248.45	146.99	149.52	89.84	392.53	-3,827.26	3,268.97	2,973.56	295.41	11.066	
12,700.00	7,257.46	12,244.90	7,248.63	149.73	152.28	89.83	389.03	-3,927.13	3,265.20	2,964.29	300.92	10.851	
12,800.00	7,258.04	12,344.83	7,248.81	152.47	155.03	89.83	385.52	-4,026.99	3,261.44	2,955.01	306.43	10.643	
12,900.00	7,258.63	12,444.76	7,249.00	155.22	157.79	89.82	382.02	-4,126.86	3,257.67	2,945.72	311.95	10.443	
13,000.00	7,259.21	12,544.69	7,249.18	157.97	160.56	89.81	378.51	-4,226.73	3,253.90	2,936.43	317.48	10.249	
13,100.00	7,259.79	12,644.62	7,249.36	160.72	163.32	89.80	375.01	-4,326.59	3,250.14	2,927.13	323.01	10.062	
13,200.00	7,260.37	12,744.54	7,249.54	163.48	166.09	89.80	371.50	-4,426.46	3,246.37	2,917.82	328.55	9.881	
13,300.00	7,260.95	12,844.47	7,249.72	166.24	168.86	89.79	368.00	-4,526.33	3,242.60	2,908.51	334.09	9.706	
13,400.00	7,261.53	12,944.40	7,249.91	169.01	171.63	89.78	364.49	-4,626.19	3,238.84	2,899.20	339.64	9.536	
13,480.77	7,262.00	13,025.11	7,250.05	171.24	173.88	89.78	361.66	-4,706.86	3,235.79	2,891.67	344.13	9.403	SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.50	225.14	1.95	225.15				
100.00	100.00	100.00	100.00	3.28	3.28	0.50	225.14	1.95	225.15	218.58	6.57	34.273	
200.00	200.00	200.00	200.00	3.34	3.34	0.50	225.14	1.95	225.15	218.48	6.67	33.735	CC, ES
300.00	300.00	298.55	298.53	3.44	3.44	0.92	225.44	3.62	225.47	218.58	6.89	32.742	
400.00	399.98	396.88	396.72	3.60	3.60	-153.11	226.32	8.61	228.06	220.87	7.19	31.713	
500.00	499.84	494.74	494.22	3.79	3.80	-151.61	227.77	16.87	234.58	227.00	7.58	30.932	
600.00	599.45	591.90	590.68	4.02	4.03	-149.79	229.79	28.30	245.15	237.09	8.06	30.417	
700.00	698.70	688.10	685.74	4.29	4.30	-147.78	232.34	42.80	259.83	251.22	8.61	30.188	
800.00	797.47	783.12	779.10	4.59	4.61	-145.68	235.41	60.19	278.67	269.46	9.22	30.238	
900.00	895.62	880.15	874.11	4.93	4.94	-143.80	238.83	79.58	301.15	291.27	9.88	30.477	
1,000.00	993.06	976.73	968.68	5.31	5.31	-142.48	242.23	98.89	326.51	315.92	10.59	30.827	
1,100.00	1,089.64	1,072.65	1,062.61	5.72	5.69	-141.62	245.62	118.06	354.60	343.26	11.34	31.271	
1,200.00	1,185.27	1,167.81	1,155.79	6.16	6.08	-141.13	248.97	137.08	385.32	373.20	12.12	31.791	
1,300.00	1,279.82	1,262.09	1,248.10	6.64	6.47	-140.92	252.29	155.92	418.61	405.68	12.93	32.377	
1,400.00	1,373.17	1,355.37	1,339.44	7.15	6.88	-140.94	255.58	174.57	454.47	440.70	13.76	33.020	
1,500.00	1,465.21	1,447.53	1,429.69	7.70	7.29	-141.12	258.83	192.99	492.88	478.26	14.62	33.716	
1,600.00	1,555.84	1,538.48	1,518.74	8.30	7.70	-141.40	262.03	211.17	533.87	518.38	15.49	34.462	
1,651.50	1,601.92	1,584.80	1,564.10	8.62	7.91	-141.58	263.66	220.42	555.98	540.04	15.95	34.860	
1,700.00	1,645.13	1,628.25	1,606.64	8.93	8.11	-142.03	265.20	229.11	577.15	560.77	16.38	35.237	
1,800.00	1,734.20	1,717.84	1,694.37	9.58	8.52	-142.87	268.35	247.02	620.87	603.60	17.27	35.946	
1,900.00	1,823.28	1,807.43	1,782.10	10.25	8.93	-143.59	271.51	264.92	664.69	646.51	18.18	36.563	
2,000.00	1,912.36	1,902.97	1,869.82	10.94	9.38	-144.22	274.67	282.83	708.58	689.45	19.13	37.048	
2,100.00	2,001.43	1,986.62	1,957.55	11.63	9.78	-144.79	277.83	300.74	752.53	732.51	20.03	37.577	
2,200.00	2,090.51	2,076.21	2,045.28	12.34	10.20	-145.29	280.98	318.64	796.54	775.57	20.96	37.997	
2,300.00	2,179.59	2,165.80	2,133.00	13.05	10.63	-145.73	284.14	336.55	840.59	818.68	21.91	38.371	
2,400.00	2,268.66	2,255.39	2,220.73	13.76	11.06	-146.14	287.30	354.46	884.67	861.82	22.86	38.704	
2,500.00	2,357.74	2,344.98	2,308.46	14.49	11.49	-146.50	290.46	372.37	928.79	904.98	23.81	39.003	
2,600.00	2,446.82	2,434.57	2,396.19	15.21	11.93	-146.83	293.61	390.27	972.94	948.16	24.77	39.273	
2,700.00	2,535.89	2,524.17	2,483.91	15.95	12.36	-147.13	296.77	408.18	1,017.11	991.37	25.74	39.517	
2,800.00	2,624.97	2,613.76	2,571.64	16.68	12.80	-147.41	299.93	426.09	1,061.30	1,034.59	26.71	39.738	
2,900.00	2,714.05	2,703.35	2,659.37	17.42	13.23	-147.67	303.09	443.99	1,105.51	1,077.83	27.68	39.940	
3,000.00	2,803.12	2,807.06	2,747.09	18.16	13.74	-147.90	306.24	461.90	1,149.74	1,121.01	28.72	40.027	
3,100.00	2,892.20	2,882.53	2,834.82	18.90	14.11	-148.12	309.40	479.81	1,193.98	1,164.34	29.63	40.292	
3,200.00	2,981.28	2,972.12	2,922.55	19.65	14.55	-148.33	312.56	497.72	1,238.23	1,207.62	30.61	40.448	
3,300.00	3,070.36	3,061.71	3,010.27	20.40	14.99	-148.52	315.72	515.62	1,282.50	1,250.90	31.60	40.591	
3,400.00	3,159.43	3,151.31	3,098.00	21.14	15.43	-148.69	318.87	533.53	1,326.77	1,294.19	32.58	40.723	
3,500.00	3,248.51	3,240.90	3,185.73	21.89	15.88	-148.86	322.03	551.44	1,371.06	1,337.49	33.57	40.845	
3,600.00	3,337.59	3,330.49	3,273.45	22.65	16.32	-149.01	325.19	569.34	1,415.35	1,380.80	34.56	40.959	
3,700.00	3,426.66	3,420.08	3,361.18	23.40	16.76	-149.16	328.35	587.25	1,459.65	1,424.11	35.55	41.065	
3,800.00	3,515.74	3,509.67	3,448.91	24.15	17.21	-149.29	331.50	605.16	1,503.96	1,467.43	36.54	41.163	
3,900.00	3,604.82	3,600.74	3,536.63	24.91	17.66	-149.42	334.66	623.07	1,548.28	1,510.74	37.54	41.247	
4,000.00	3,693.89	3,688.86	3,624.36	25.66	18.10	-149.54	337.82	640.97	1,592.60	1,554.08	38.52	41.342	
4,100.00	3,782.97	3,778.45	3,712.09	26.42	18.54	-149.66	340.98	658.88	1,636.93	1,597.41	39.52	41.422	
4,200.00	3,872.05	3,868.04	3,799.82	27.18	18.99	-149.77	344.13	676.79	1,681.26	1,640.75	40.51	41.498	
4,300.00	3,961.12	3,957.63	3,887.54	27.94	19.43	-149.87	347.29	694.69	1,725.60	1,684.08	41.51	41.570	
4,400.00	4,050.20	4,047.22	3,975.27	28.69	19.88	-149.97	350.45	712.60	1,769.94	1,727.43	42.51	41.637	
4,500.00	4,139.28	4,136.81	4,063.00	29.45	20.32	-150.06	353.61	730.51	1,814.28	1,770.77	43.51	41.700	
4,600.00	4,228.35	4,226.40	4,150.72	30.21	20.77	-150.15	356.76	748.41	1,858.63	1,814.12	44.51	41.760	
4,700.00	4,317.43	4,316.00	4,238.45	30.97	21.22	-150.24	359.92	766.32	1,902.98	1,857.47	45.51	41.817	
4,800.00	4,406.51	4,405.59	4,326.18	31.73	21.67	-150.32	363.08	784.23	1,947.34	1,900.83	46.51	41.871	
4,900.00	4,495.59	4,504.82	4,413.90	32.50	22.16	-150.40	366.24	802.14	1,991.70	1,944.14	47.56	41.879	
5,000.00	4,584.66	4,584.77	4,501.63	33.26	22.56	-150.47	369.39	820.04	2,036.06	1,987.54	48.51	41.970	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,674.36	4,589.36	34.02	23.01	-150.54	372.55	837.95	2,080.42	2,030.91	49.52	42.016	
5,200.00	4,762.82	4,763.95	4,677.08	34.78	23.46	-150.61	375.71	855.86	2,124.79	2,074.27	50.52	42.059	
5,300.00	4,851.89	4,853.55	4,764.81	35.54	23.91	-150.68	378.87	873.76	2,169.16	2,117.63	51.52	42.101	
5,400.00	4,940.97	4,943.14	4,852.54	36.31	24.35	-150.74	382.02	891.67	2,213.53	2,161.00	52.53	42.140	
5,500.00	5,030.05	5,032.73	4,940.26	37.07	24.80	-150.80	385.18	909.58	2,257.90	2,204.37	53.53	42.178	
5,600.00	5,119.12	5,122.32	5,027.99	37.83	25.25	-150.86	388.34	927.49	2,302.27	2,247.74	54.54	42.214	
5,700.00	5,208.20	5,211.91	5,115.72	38.60	25.70	-150.91	391.50	945.39	2,346.65	2,291.11	55.54	42.248	
5,800.00	5,297.28	5,301.50	5,203.45	39.36	26.15	-150.96	394.65	963.30	2,391.03	2,334.48	56.55	42.281	
5,900.00	5,386.35	5,408.91	5,291.17	40.13	26.69	-151.02	397.81	981.21	2,435.41	2,377.76	57.65	42.247	
6,000.00	5,475.43	5,480.69	5,378.90	40.89	27.05	-151.07	400.97	999.11	2,479.79	2,421.22	58.57	42.342	
6,100.00	5,564.51	5,570.28	5,466.63	41.66	27.50	-151.11	404.13	1,017.02	2,524.17	2,464.60	59.57	42.371	
6,200.00	5,653.58	5,659.87	5,554.35	42.42	27.95	-151.16	407.28	1,034.93	2,568.56	2,507.97	60.58	42.399	
6,300.00	5,742.66	5,749.46	5,642.08	43.19	28.40	-151.21	410.44	1,052.84	2,612.94	2,551.35	61.59	42.425	
6,400.00	5,831.74	5,839.05	5,729.81	43.95	28.85	-151.25	413.60	1,070.74	2,657.33	2,594.73	62.60	42.450	
6,500.00	5,920.82	5,928.64	5,817.53	44.72	29.30	-151.29	416.76	1,088.65	2,701.72	2,638.11	63.61	42.475	
6,600.00	6,009.89	6,018.24	5,905.26	45.48	29.75	-151.33	419.91	1,106.56	2,746.10	2,681.49	64.62	42.498	
6,700.00	6,098.97	6,107.83	5,992.99	46.25	30.20	-151.37	423.07	1,124.46	2,790.49	2,724.87	65.63	42.520	
6,800.00	6,188.05	6,202.58	6,080.71	47.01	30.67	-151.41	426.23	1,142.37	2,834.89	2,768.22	66.66	42.525	
6,900.00	6,277.12	6,287.01	6,168.44	47.78	31.10	-151.45	429.39	1,160.28	2,879.28	2,811.63	67.65	42.563	
7,000.00	6,366.20	6,376.60	6,256.17	48.55	31.55	-151.48	432.54	1,178.18	2,923.67	2,855.01	68.66	42.583	
7,100.00	6,455.28	6,466.19	6,343.90	49.31	32.00	-151.52	435.70	1,196.09	2,968.06	2,898.39	69.67	42.602	
7,197.64	6,542.25	6,549.61	6,426.05	50.06	32.40	-151.61	438.72	1,210.02	3,011.45	2,940.87	70.59	42.663	
7,200.00	6,544.35	6,551.58	6,428.00	50.08	32.41	-152.10	438.79	1,210.23	3,012.51	2,941.90	70.61	42.665	
7,250.00	6,589.22	6,592.98	6,469.26	50.44	32.58	-163.13	440.39	1,213.21	3,034.96	2,963.94	71.02	42.735	
7,300.00	6,634.48	6,634.10	6,510.34	50.77	32.74	-174.95	442.03	1,213.51	3,057.65	2,986.26	71.39	42.829	
7,350.00	6,679.86	6,675.05	6,551.17	51.06	32.89	172.98	443.72	1,211.17	3,080.46	3,008.72	71.74	42.939	
7,400.00	6,725.09	6,715.92	6,591.71	51.31	33.03	161.28	445.45	1,206.22	3,103.22	3,031.15	72.07	43.057	
7,450.00	6,769.87	6,756.84	6,631.87	51.52	33.18	150.45	447.22	1,198.67	3,125.81	3,053.41	72.40	43.176	
7,500.00	6,813.94	6,797.89	6,671.60	51.69	33.34	140.78	449.03	1,188.51	3,148.08	3,075.35	72.72	43.289	
7,550.00	6,857.03	6,839.17	6,710.81	51.84	33.50	132.34	450.87	1,175.74	3,169.89	3,096.83	73.06	43.389	
7,600.00	6,898.86	6,880.79	6,749.41	51.95	33.68	125.05	452.74	1,160.31	3,191.12	3,117.71	73.41	43.471	
7,650.00	6,939.19	6,922.84	6,787.30	52.05	33.86	118.78	454.64	1,142.20	3,211.63	3,137.85	73.78	43.531	
7,700.00	6,977.75	6,965.40	6,824.34	52.13	34.06	113.40	456.56	1,121.36	3,231.31	3,157.13	74.18	43.562	
7,750.00	7,014.32	7,008.54	6,860.39	52.20	34.28	108.78	458.49	1,097.75	3,250.03	3,175.42	74.61	43.559	
7,800.00	7,048.67	7,052.36	6,895.28	52.26	34.51	104.81	460.44	1,071.33	3,267.69	3,192.60	75.09	43.519	
7,850.00	7,080.59	7,096.90	6,928.80	52.33	34.78	101.41	462.39	1,042.07	3,284.18	3,208.56	75.61	43.433	
7,900.00	7,109.87	7,142.22	6,960.72	52.39	35.07	98.49	464.33	1,009.96	3,299.39	3,223.19	76.20	43.300	
7,950.00	7,136.35	7,188.38	6,990.79	52.47	35.39	96.02	466.26	975.01	3,313.25	3,236.40	76.85	43.113	
8,000.00	7,159.85	7,235.39	7,018.73	52.55	35.75	93.94	468.16	937.27	3,325.66	3,248.09	77.57	42.872	
8,050.00	7,180.23	7,283.27	7,044.26	52.64	36.15	92.22	470.02	896.82	3,336.55	3,258.18	78.37	42.574	
8,100.00	7,197.37	7,332.01	7,067.04	52.75	36.59	90.83	471.83	853.79	3,345.86	3,266.61	79.25	42.218	
8,150.00	7,211.16	7,381.59	7,086.77	52.88	37.08	89.75	473.56	808.35	3,353.52	3,273.30	80.22	41.805	
8,200.00	7,221.51	7,431.96	7,103.13	53.03	37.61	88.97	475.19	760.75	3,359.48	3,278.22	81.26	41.341	
8,250.00	7,228.37	7,483.06	7,115.84	53.20	38.19	88.46	476.72	711.29	3,363.71	3,281.32	82.39	40.829	
8,300.00	7,231.68	7,534.82	7,124.62	53.40	38.81	88.23	478.13	660.32	3,366.17	3,282.59	83.58	40.277	
8,317.45	7,232.00	7,553.02	7,126.72	53.47	39.03	88.21	478.58	642.25	3,366.61	3,282.61	84.00	40.077	
8,400.00	7,232.48	7,638.64	7,130.04	53.86	40.13	88.26	480.48	556.75	3,368.14	3,282.03	86.11	39.114	
8,500.00	7,233.06	7,738.63	7,130.23	54.44	41.54	88.26	482.55	456.79	3,369.96	3,281.10	88.86	37.924	
8,600.00	7,233.64	7,838.61	7,130.43	55.14	43.09	88.25	484.62	356.83	3,371.78	3,279.90	91.88	36.699	
8,700.00	7,234.22	7,938.59	7,130.62	55.99	44.76	88.25	486.68	256.87	3,373.60	3,278.45	95.15	35.457	
8,800.00	7,234.80	8,038.58	7,130.82	57.00	46.56	88.24	488.75	156.90	3,375.41	3,276.78	98.64	34.221	
8,900.00	7,235.39	8,138.56	7,131.01	58.18	48.45	88.23	490.82	56.94	3,377.23	3,274.90	102.33	33.003	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,238.54	7,131.20	59.53	50.44	88.23	492.89	-43.02	3,379.05	3,272.85	106.20	31.817	
9,100.00	7,236.55	8,338.52	7,131.40	61.04	52.51	88.22	494.96	-142.98	3,380.87	3,270.63	110.24	30.669	
9,200.00	7,237.13	8,438.51	7,131.59	62.69	54.65	88.22	497.02	-242.94	3,382.69	3,268.27	114.42	29.565	
9,300.00	7,237.71	8,538.49	7,131.79	64.47	56.86	88.21	499.09	-342.90	3,384.51	3,265.78	118.72	28.507	
9,400.00	7,238.29	8,638.47	7,131.98	66.36	59.12	88.21	501.16	-442.86	3,386.32	3,263.18	123.15	27.498	
9,500.00	7,238.87	8,738.46	7,132.17	68.34	61.43	88.20	503.23	-542.82	3,388.14	3,260.47	127.67	26.538	
9,600.00	7,239.45	8,838.44	7,132.37	70.41	63.79	88.20	505.30	-642.79	3,389.96	3,257.67	132.29	25.625	
9,700.00	7,240.03	8,938.42	7,132.56	72.55	66.18	88.19	507.36	-742.75	3,391.78	3,254.79	136.99	24.759	
9,800.00	7,240.61	9,038.41	7,132.75	74.76	68.62	88.18	509.43	-842.71	3,393.60	3,251.83	141.77	23.937	
9,900.00	7,241.20	9,138.39	7,132.95	77.02	71.08	88.18	511.50	-942.67	3,395.42	3,248.80	146.61	23.159	
10,000.00	7,241.78	9,238.37	7,133.14	79.33	73.58	88.17	513.57	-1,042.63	3,397.23	3,245.71	151.52	22.421	
10,100.00	7,242.36	9,338.35	7,133.34	81.68	76.10	88.17	515.64	-1,142.59	3,399.05	3,242.57	156.48	21.722	
10,200.00	7,242.94	9,438.34	7,133.53	84.07	78.64	88.16	517.70	-1,242.55	3,400.87	3,239.38	161.49	21.059	
10,300.00	7,243.52	9,538.32	7,133.72	86.49	81.21	88.16	519.77	-1,342.52	3,402.69	3,236.14	166.55	20.431	
10,400.00	7,244.10	9,638.30	7,133.92	88.95	83.79	88.15	521.84	-1,442.48	3,404.51	3,232.86	171.65	19.834	
10,500.00	7,244.68	9,738.29	7,134.11	91.43	86.40	88.15	523.91	-1,542.44	3,406.33	3,229.54	176.78	19.268	
10,600.00	7,245.26	9,838.27	7,134.31	93.93	89.02	88.14	525.97	-1,642.40	3,408.15	3,226.19	181.96	18.731	
10,700.00	7,245.84	9,938.25	7,134.50	96.46	91.65	88.13	528.04	-1,742.36	3,409.97	3,222.81	187.16	18.220	
10,800.00	7,246.42	10,038.23	7,134.69	99.01	94.30	88.13	530.11	-1,842.32	3,411.78	3,219.39	192.39	17.733	
10,900.00	7,247.01	10,138.22	7,134.89	101.58	96.96	88.12	532.18	-1,942.28	3,413.60	3,215.95	197.65	17.271	
11,000.00	7,247.59	10,238.20	7,135.08	104.16	99.63	88.12	534.25	-2,042.25	3,415.42	3,212.48	202.94	16.830	
11,100.00	7,248.17	10,338.18	7,135.28	106.76	102.31	88.11	536.31	-2,142.21	3,417.24	3,208.99	208.25	16.410	
11,200.00	7,248.75	10,438.17	7,135.47	109.37	105.00	88.11	538.38	-2,242.17	3,419.06	3,205.48	213.57	16.009	
11,300.00	7,249.33	10,538.15	7,135.66	112.00	107.70	88.10	540.45	-2,342.13	3,420.88	3,201.95	218.92	15.626	
11,400.00	7,249.91	10,638.13	7,135.86	114.64	110.41	88.10	542.52	-2,442.09	3,422.70	3,198.41	224.29	15.260	
11,500.00	7,250.49	10,738.11	7,136.05	117.29	113.13	88.09	544.59	-2,542.05	3,424.52	3,194.84	229.68	14.910	
11,600.00	7,251.07	10,838.10	7,136.24	119.95	115.85	88.09	546.65	-2,642.01	3,426.34	3,191.26	235.08	14.575	
11,700.00	7,251.65	10,938.08	7,136.44	122.62	118.58	88.08	548.72	-2,741.97	3,428.15	3,187.66	240.49	14.255	
11,800.00	7,252.23	11,038.06	7,136.63	125.30	121.32	88.07	550.79	-2,841.94	3,429.97	3,184.05	245.92	13.947	
11,900.00	7,252.82	11,138.05	7,136.83	127.98	124.06	88.07	552.86	-2,941.90	3,431.79	3,180.43	251.36	13.653	
12,000.00	7,253.40	11,238.03	7,137.02	130.68	126.81	88.06	554.93	-3,041.86	3,433.61	3,176.79	256.82	13.370	
12,100.00	7,253.98	11,338.01	7,137.21	133.38	129.56	88.06	556.99	-3,141.82	3,435.43	3,173.15	262.28	13.098	
12,200.00	7,254.56	11,438.00	7,137.41	136.09	132.32	88.05	559.06	-3,241.78	3,437.25	3,169.49	267.76	12.837	
12,300.00	7,255.14	11,537.98	7,137.60	138.81	135.08	88.05	561.13	-3,341.74	3,439.07	3,165.82	273.25	12.586	
12,400.00	7,255.72	11,637.96	7,137.80	141.53	137.85	88.04	563.20	-3,441.70	3,440.89	3,162.15	278.74	12.344	
12,500.00	7,256.30	11,737.94	7,137.99	144.26	140.62	88.04	565.27	-3,541.67	3,442.71	3,158.46	284.25	12.112	
12,600.00	7,256.88	11,837.93	7,138.18	146.99	143.39	88.03	567.33	-3,641.63	3,444.53	3,154.77	289.76	11.888	
12,700.00	7,257.46	11,937.91	7,138.38	149.73	146.17	88.03	569.40	-3,741.59	3,446.35	3,151.07	295.28	11.671	
12,800.00	7,258.04	12,037.89	7,138.57	152.47	148.95	88.02	571.47	-3,841.55	3,448.17	3,147.36	300.81	11.463	
12,900.00	7,258.63	12,137.88	7,138.76	155.22	151.74	88.01	573.54	-3,941.51	3,449.99	3,143.64	306.34	11.262	
13,000.00	7,259.21	12,237.86	7,138.96	157.97	154.53	88.01	575.61	-4,041.47	3,451.81	3,139.92	311.89	11.067	
13,100.00	7,259.79	12,337.84	7,139.15	160.72	157.32	88.00	577.67	-4,141.43	3,453.62	3,136.19	317.44	10.880	
13,200.00	7,260.37	12,437.82	7,139.35	163.48	160.11	88.00	579.74	-4,241.39	3,455.44	3,132.45	322.99	10.698	
13,300.00	7,260.95	12,537.81	7,139.54	166.24	162.90	87.99	581.81	-4,341.36	3,457.26	3,128.71	328.55	10.523	
13,400.00	7,261.53	12,637.79	7,139.73	169.01	165.70	87.99	583.88	-4,441.32	3,459.08	3,124.97	334.12	10.353	
13,480.77	7,262.00	12,718.55	7,139.89	171.24	167.96	87.98	585.55	-4,522.06	3,460.55	3,121.94	338.62	10.220	SF

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

Offset Design Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	4.00	-4.00	3.28	3.28	-45.49	1,667.12	-1,696.02	2,378.18				
100.00	100.00	104.00	96.00	3.28	3.78	-45.49	1,667.12	-1,696.02	2,378.18	2,371.12	7.07	336.480	
200.00	200.00	204.00	196.00	3.34	6.30	-45.49	1,667.12	-1,696.02	2,378.18	2,368.55	9.63	246.834	
300.00	300.00	304.00	296.00	3.44	9.45	-45.49	1,667.12	-1,696.02	2,378.18	2,365.28	12.90	184.366	CC
400.00	399.98	404.02	395.98	3.60	12.79	159.39	1,667.12	-1,696.02	2,379.82	2,363.43	16.38	145.263	ES
500.00	499.84	504.16	495.84	3.79	16.19	159.40	1,667.12	-1,696.02	2,384.72	2,364.74	19.98	119.365	
600.00	599.45	604.55	595.45	4.02	19.64	159.42	1,667.12	-1,696.02	2,392.88	2,369.22	23.66	101.151	
700.00	698.70	705.30	694.70	4.29	23.11	159.44	1,667.12	-1,696.02	2,404.30	2,376.90	27.40	87.744	
800.00	797.47	806.53	793.47	4.59	26.61	159.46	1,667.12	-1,696.02	2,418.97	2,387.76	31.21	77.519	
900.00	895.62	908.38	891.62	4.93	30.14	159.49	1,667.12	-1,696.02	2,436.88	2,401.81	35.06	69.498	
1,000.00	993.06	989.06	989.06	5.31	32.95	159.53	1,667.12	-1,696.02	2,458.02	2,419.80	38.22	64.318	
1,100.00	1,089.64	1,085.64	1,085.64	5.72	36.30	159.56	1,667.12	-1,696.02	2,482.36	2,440.42	41.95	59.180	
1,200.00	1,185.27	1,181.27	1,181.27	6.16	39.63	159.59	1,667.12	-1,696.02	2,509.91	2,464.24	45.66	54.965	
1,300.00	1,279.82	1,275.82	1,275.82	6.64	42.92	159.62	1,667.12	-1,696.02	2,540.62	2,491.26	49.36	51.468	
1,400.00	1,373.17	1,369.17	1,369.17	7.15	46.17	159.65	1,667.12	-1,696.02	2,574.48	2,521.44	53.04	48.541	
1,500.00	1,465.21	1,461.21	1,461.21	7.70	49.37	159.67	1,667.12	-1,696.02	2,611.46	2,554.78	56.68	46.072	
1,600.00	1,555.84	1,551.84	1,551.84	8.30	52.53	159.68	1,667.12	-1,696.02	2,651.52	2,591.23	60.29	43.978	
1,651.50	1,601.92	1,602.08	1,597.92	8.62	54.28	159.69	1,667.12	-1,696.02	2,673.35	2,611.06	62.28	42.922	
1,700.00	1,645.13	1,641.13	1,641.13	8.93	55.64	159.85	1,667.12	-1,696.02	2,694.29	2,630.42	63.87	42.185	
1,800.00	1,734.20	1,730.20	1,730.20	9.58	58.75	160.17	1,667.12	-1,696.02	2,737.52	2,670.09	67.43	40.595	
1,900.00	1,823.28	1,819.28	1,819.28	10.25	61.85	160.48	1,667.12	-1,696.02	2,780.82	2,709.81	71.01	39.160	
2,000.00	1,912.36	1,908.36	1,908.36	10.94	64.96	160.79	1,667.12	-1,696.02	2,824.19	2,749.60	74.60	37.860	
2,100.00	2,001.43	2,002.57	1,997.43	11.63	68.24	161.08	1,667.12	-1,696.02	2,867.63	2,789.26	78.37	36.592	
2,200.00	2,090.51	2,086.51	2,086.51	12.34	71.17	161.37	1,667.12	-1,696.02	2,911.12	2,829.34	81.79	35.594	
2,300.00	2,179.59	2,175.59	2,175.59	13.05	74.28	161.65	1,667.12	-1,696.02	2,954.68	2,869.29	85.39	34.603	
2,400.00	2,268.66	2,264.66	2,264.66	13.76	77.38	161.92	1,667.12	-1,696.02	2,998.29	2,909.30	88.99	33.691	
2,500.00	2,357.74	2,353.74	2,353.74	14.49	80.49	162.18	1,667.12	-1,696.02	3,041.95	2,949.35	92.60	32.849	
2,600.00	2,446.82	2,442.82	2,442.82	15.21	83.60	162.44	1,667.12	-1,696.02	3,085.67	2,989.45	96.22	32.070	
2,700.00	2,535.89	2,531.89	2,531.89	15.95	86.71	162.69	1,667.12	-1,696.02	3,129.44	3,029.60	99.83	31.347	
2,800.00	2,624.97	2,620.97	2,620.97	16.68	89.81	162.93	1,667.12	-1,696.02	3,173.25	3,069.80	103.45	30.674	
2,900.00	2,714.05	2,710.05	2,710.05	17.42	92.92	163.17	1,667.12	-1,696.02	3,217.11	3,110.04	107.07	30.047	
3,000.00	2,803.12	2,800.88	2,799.12	18.16	96.09	163.39	1,667.12	-1,696.02	3,261.01	3,150.25	110.75	29.444	
3,100.00	2,892.20	2,888.20	2,888.20	18.90	99.14	163.62	1,667.12	-1,696.02	3,304.95	3,190.64	114.31	28.911	
3,200.00	2,981.28	2,977.28	2,977.28	19.65	102.24	163.84	1,667.12	-1,696.02	3,348.93	3,230.99	117.94	28.396	
3,300.00	3,070.36	3,066.36	3,066.36	20.40	105.35	164.05	1,667.12	-1,696.02	3,392.95	3,271.39	121.56	27.911	
3,400.00	3,159.43	3,155.43	3,155.43	21.14	108.46	164.25	1,667.12	-1,696.02	3,437.01	3,311.82	125.19	27.454	
3,500.00	3,248.51	3,244.51	3,244.51	21.89	111.57	164.46	1,667.12	-1,696.02	3,481.11	3,352.29	128.82	27.024	
3,600.00	3,337.59	3,333.59	3,333.59	22.65	114.68	164.65	1,667.12	-1,696.02	3,525.24	3,392.79	132.44	26.617	
3,700.00	3,426.66	3,422.66	3,422.66	23.40	117.79	164.84	1,667.12	-1,696.02	3,569.40	3,433.32	136.07	26.231	
3,800.00	3,515.74	3,511.74	3,511.74	24.15	120.89	165.03	1,667.12	-1,696.02	3,613.59	3,473.89	139.70	25.866	
3,900.00	3,604.82	3,600.82	3,600.82	24.91	124.00	165.21	1,667.12	-1,696.02	3,657.82	3,514.48	143.33	25.520	
4,000.00	3,693.89	3,689.89	3,689.89	25.66	127.11	165.39	1,667.12	-1,696.02	3,702.07	3,555.11	146.96	25.191	
4,100.00	3,782.97	3,778.97	3,778.97	26.42	130.22	165.57	1,667.12	-1,696.02	3,746.35	3,595.76	150.59	24.877	
4,200.00	3,872.05	3,868.05	3,868.05	27.18	133.33	165.74	1,667.12	-1,696.02	3,790.66	3,636.44	154.22	24.579	
4,300.00	3,961.12	3,957.12	3,957.12	27.94	136.44	165.90	1,667.12	-1,696.02	3,835.00	3,677.14	157.86	24.294	
4,400.00	4,050.20	4,046.20	4,046.20	28.69	139.55	166.06	1,667.12	-1,696.02	3,879.36	3,717.87	161.49	24.023	
4,500.00	4,139.28	4,135.28	4,135.28	29.45	142.66	166.22	1,667.12	-1,696.02	3,923.75	3,758.63	165.12	23.763	
4,600.00	4,228.35	4,224.35	4,224.35	30.21	145.76	166.38	1,667.12	-1,696.02	3,968.16	3,799.41	168.75	23.515	
4,700.00	4,317.43	4,313.43	4,313.43	30.97	148.87	166.53	1,667.12	-1,696.02	4,012.59	3,840.21	172.39	23.277	
4,800.00	4,406.51	4,402.51	4,402.51	31.73	151.98	166.68	1,667.12	-1,696.02	4,057.05	3,881.03	176.02	23.049	
4,900.00	4,495.59	4,508.41	4,491.59	32.50	155.68	166.83	1,667.12	-1,696.02	4,101.53	3,921.29	180.24	22.756	
5,000.00	4,584.66	4,580.66	4,580.66	33.26	158.20	166.97	1,667.12	-1,696.02	4,146.03	3,962.74	183.29	22.620	

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

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

Offset Design Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,669.74	4,669.74	34.02	161.31	167.11	1,667.12	-1,696.02	4,190.55	4,003.63	186.92	22.419	
5,200.00	4,762.82	4,758.82	4,758.82	34.78	164.42	167.24	1,667.12	-1,696.02	4,235.09	4,044.53	190.55	22.225	
5,300.00	4,851.89	4,847.89	4,847.89	35.54	167.53	167.38	1,667.12	-1,696.02	4,279.64	4,085.46	194.19	22.039	
5,400.00	4,940.97	4,936.97	4,936.97	36.31	170.64	167.51	1,667.12	-1,696.02	4,324.22	4,126.40	197.82	21.859	
5,500.00	5,030.05	5,026.05	5,026.05	37.07	173.75	167.64	1,667.12	-1,696.02	4,368.82	4,167.36	201.46	21.686	
5,600.00	5,119.12	5,115.12	5,115.12	37.83	176.85	167.76	1,667.12	-1,696.02	4,413.43	4,208.33	205.09	21.519	
5,700.00	5,208.20	5,204.20	5,204.20	38.60	179.96	167.89	1,667.12	-1,696.02	4,458.06	4,249.33	208.73	21.358	
5,800.00	5,297.28	5,306.72	5,293.28	39.36	183.54	168.01	1,667.12	-1,696.02	4,502.70	4,289.87	212.83	21.156	
5,900.00	5,386.35	5,382.35	5,382.35	40.13	186.18	168.12	1,667.12	-1,696.02	4,547.36	4,331.36	216.00	21.053	
6,000.00	5,475.43	5,471.43	5,471.43	40.89	189.29	168.24	1,667.12	-1,696.02	4,592.04	4,372.40	219.63	20.908	
6,100.00	5,564.51	5,560.51	5,560.51	41.66	192.40	168.35	1,667.12	-1,696.02	4,636.73	4,413.46	223.27	20.767	
6,200.00	5,653.58	5,649.58	5,649.58	42.42	195.51	168.47	1,667.12	-1,696.02	4,681.44	4,454.53	226.91	20.632	
6,300.00	5,742.66	5,738.66	5,738.66	43.19	198.62	168.58	1,667.12	-1,696.02	4,726.16	4,495.61	230.54	20.500	
6,400.00	5,831.74	5,827.74	5,827.74	43.95	201.73	168.68	1,667.12	-1,696.02	4,770.89	4,536.71	234.18	20.373	
6,500.00	5,920.82	5,916.82	5,916.82	44.72	204.84	168.79	1,667.12	-1,696.02	4,815.64	4,577.82	237.82	20.249	
6,600.00	6,009.89	6,005.89	6,005.89	45.48	207.95	168.89	1,667.12	-1,696.02	4,860.40	4,618.95	241.45	20.130	
6,700.00	6,098.97	6,105.03	6,094.97	46.25	211.41	169.00	1,667.12	-1,696.02	4,905.17	4,659.73	245.44	19.985	
6,800.00	6,188.05	6,184.05	6,184.05	47.01	214.17	169.10	1,667.12	-1,696.02	4,949.96	4,701.23	248.73	19.901	
6,900.00	6,277.12	6,273.12	6,273.12	47.78	217.27	169.19	1,667.12	-1,696.02	4,994.75	4,742.39	252.36	19.792	
7,000.00	6,366.20	6,362.20	6,362.20	48.55	220.38	169.29	1,667.12	-1,696.02	5,039.56	4,783.56	256.00	19.686	
7,100.00	6,455.28	6,451.28	6,451.28	49.31	223.49	169.39	1,667.12	-1,696.02	5,084.38	4,824.74	259.64	19.583	
7,197.64	6,542.25	6,538.25	6,538.25	50.06	226.53	169.48	1,667.12	-1,696.02	5,128.15	4,864.96	263.19	19.485	
7,200.00	6,544.35	6,540.35	6,540.35	50.08	226.60	169.00	1,667.12	-1,696.02	5,129.21	4,865.93	263.28	19.482	
7,250.00	6,589.22	6,585.22	6,585.22	50.44	228.17	158.62	1,667.12	-1,696.02	5,150.55	4,885.45	265.10	19.428	
7,300.00	6,634.48	6,630.48	6,630.48	50.77	229.75	147.74	1,667.12	-1,696.02	5,169.85	4,902.91	266.94	19.367	
7,350.00	6,679.86	6,675.86	6,675.86	51.06	231.33	136.84	1,667.12	-1,696.02	5,186.99	4,918.22	268.77	19.299	
7,400.00	6,725.09	6,721.09	6,721.09	51.31	232.91	126.52	1,667.12	-1,696.02	5,201.90	4,931.33	270.57	19.225	
7,450.00	6,769.87	6,765.87	6,765.87	51.52	234.47	117.25	1,667.12	-1,696.02	5,214.52	4,942.17	272.35	19.147	
7,500.00	6,813.94	6,809.94	6,809.94	51.69	236.01	109.27	1,667.12	-1,696.02	5,224.79	4,950.71	274.07	19.063	
7,550.00	6,857.03	6,853.03	6,853.03	51.84	237.52	102.62	1,667.12	-1,696.02	5,232.68	4,956.94	275.75	18.977	
7,600.00	6,898.86	6,905.14	6,894.86	51.95	239.34	97.21	1,667.12	-1,696.02	5,238.20	4,960.49	277.71	18.862	
7,650.00	6,939.19	6,935.19	6,935.19	52.05	240.38	92.89	1,667.12	-1,696.02	5,241.34	4,962.46	278.88	18.794	
7,700.00	6,977.75	6,973.75	6,973.75	52.13	241.73	89.50	1,667.12	-1,696.02	5,242.12	4,961.79	280.34	18.699	
7,750.00	7,014.32	7,010.32	7,010.32	52.20	243.01	86.91	1,667.12	-1,696.02	5,240.60	4,958.88	281.71	18.603	
7,800.00	7,048.67	7,044.67	7,044.67	52.26	244.21	84.99	1,667.12	-1,696.02	5,236.80	4,953.79	283.01	18.504	
7,850.00	7,080.59	7,076.59	7,076.59	52.33	245.32	83.64	1,667.12	-1,696.02	5,230.81	4,946.59	284.22	18.404	
7,900.00	7,109.87	7,105.87	7,105.87	52.39	246.34	82.81	1,667.12	-1,696.02	5,222.69	4,937.34	285.36	18.302	
7,950.00	7,136.35	7,132.35	7,132.35	52.47	247.27	82.41	1,667.12	-1,696.02	5,212.54	4,926.13	286.41	18.200	
8,000.00	7,159.85	7,155.85	7,155.85	52.55	248.09	82.41	1,667.12	-1,696.02	5,200.44	4,913.05	287.39	18.095	
8,050.00	7,180.23	7,176.23	7,176.23	52.64	248.80	82.77	1,667.12	-1,696.02	5,186.50	4,898.21	288.29	17.990	
8,100.00	7,197.37	7,206.63	7,193.37	52.75	249.86	83.47	1,667.12	-1,696.02	5,170.83	4,881.24	289.59	17.856	
8,150.00	7,211.16	7,207.16	7,207.16	52.88	249.88	84.46	1,667.12	-1,696.02	5,153.54	4,863.65	289.89	17.778	
8,200.00	7,221.51	7,217.51	7,217.51	53.03	250.24	85.75	1,667.12	-1,696.02	5,134.76	4,844.18	290.58	17.671	
8,250.00	7,228.37	7,224.37	7,224.37	53.20	250.48	87.31	1,667.12	-1,696.02	5,114.59	4,823.40	291.19	17.564	
8,300.00	7,231.68	7,227.68	7,227.68	53.40	250.59	89.14	1,667.12	-1,696.02	5,093.17	4,801.44	291.73	17.459	
8,317.45	7,232.00	7,228.00	7,228.00	53.47	250.61	89.83	1,667.12	-1,696.02	5,085.42	4,793.52	291.90	17.422	
8,400.00	7,232.48	7,228.48	7,228.48	53.86	250.62	89.84	1,667.12	-1,696.02	5,048.99	4,756.25	292.74	17.248	
8,500.00	7,233.06	7,229.06	7,229.06	54.44	250.64	89.85	1,667.12	-1,696.02	5,006.32	4,712.40	293.92	17.033	
8,600.00	7,233.64	7,229.64	7,229.64	55.14	250.66	89.85	1,667.12	-1,696.02	4,965.30	4,670.01	295.29	16.815	
8,700.00	7,234.22	7,230.22	7,230.22	55.99	250.68	89.86	1,667.12	-1,696.02	4,925.97	4,629.14	296.83	16.596	
8,800.00	7,234.80	7,230.80	7,230.80	57.00	250.70	89.87	1,667.12	-1,696.02	4,888.37	4,589.84	298.52	16.375	
8,900.00	7,235.39	7,231.39	7,231.39	58.18	250.72	89.88	1,667.12	-1,696.02	4,852.53	4,552.16	300.38	16.155	

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

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

Offset Design Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,231.97	7,231.97	59.53	250.74	89.88	1,667.12	-1,696.02	4,818.51	4,516.14	302.37	15.936	
9,100.00	7,236.55	7,232.55	7,232.55	61.04	250.76	89.89	1,667.12	-1,696.02	4,786.33	4,481.85	304.48	15.720	
9,200.00	7,237.13	7,233.13	7,233.13	62.69	250.78	89.90	1,667.12	-1,696.02	4,756.04	4,449.33	306.72	15.506	
9,300.00	7,237.71	7,233.71	7,233.71	64.47	250.81	89.91	1,667.12	-1,696.02	4,727.68	4,418.62	309.06	15.297	
9,400.00	7,238.29	7,234.29	7,234.29	66.36	250.83	89.91	1,667.12	-1,696.02	4,701.26	4,389.78	311.49	15.093	
9,500.00	7,238.87	7,234.87	7,234.87	68.34	250.85	89.92	1,667.12	-1,696.02	4,676.84	4,362.84	314.00	14.894	
9,600.00	7,239.45	7,235.45	7,235.45	70.41	250.87	89.93	1,667.12	-1,696.02	4,654.44	4,337.85	316.58	14.702	
9,700.00	7,240.03	7,236.03	7,236.03	72.55	250.89	89.93	1,667.12	-1,696.02	4,634.08	4,314.86	319.23	14.516	
9,800.00	7,240.61	7,236.61	7,236.61	74.76	250.91	89.94	1,667.12	-1,696.02	4,615.81	4,293.88	321.93	14.338	
9,900.00	7,241.20	7,237.20	7,237.20	77.02	250.93	89.95	1,667.12	-1,696.02	4,599.64	4,274.97	324.67	14.167	
10,000.00	7,241.78	7,237.78	7,237.78	79.33	250.95	89.96	1,667.12	-1,696.02	4,585.59	4,258.15	327.44	14.004	
10,100.00	7,242.36	7,238.36	7,238.36	81.68	250.97	89.96	1,667.12	-1,696.02	4,573.68	4,243.44	330.24	13.850	
10,200.00	7,242.94	7,238.94	7,238.94	84.07	250.99	89.97	1,667.12	-1,696.02	4,563.94	4,230.88	333.05	13.703	
10,300.00	7,243.52	7,239.52	7,239.52	86.49	251.01	89.98	1,667.12	-1,696.02	4,556.36	4,220.49	335.87	13.566	
10,400.00	7,244.10	7,240.10	7,240.10	88.95	251.03	89.99	1,667.12	-1,696.02	4,550.98	4,212.28	338.70	13.437	
10,500.00	7,244.68	7,240.68	7,240.68	91.43	251.05	89.99	1,667.12	-1,696.02	4,547.79	4,206.27	341.51	13.317	
10,595.25	7,245.23	7,241.23	7,241.23	93.81	251.07	90.00	1,667.12	-1,696.02	4,546.79	4,202.60	344.19	13.210	
10,600.00	7,245.26	7,241.26	7,241.26	93.93	251.07	90.00	1,667.12	-1,696.02	4,546.79	4,202.47	344.32	13.205	
10,700.00	7,245.84	7,241.84	7,241.84	96.46	251.09	90.01	1,667.12	-1,696.02	4,547.99	4,200.89	347.10	13.103	
10,800.00	7,246.42	7,242.42	7,242.42	99.01	251.11	90.01	1,667.12	-1,696.02	4,551.40	4,201.53	349.86	13.009	
10,900.00	7,247.01	7,243.01	7,243.01	101.58	251.13	90.02	1,667.12	-1,696.02	4,556.99	4,204.40	352.59	12.924	
11,000.00	7,247.59	7,243.59	7,243.59	104.16	251.15	90.03	1,667.12	-1,696.02	4,564.77	4,209.49	355.28	12.848	
11,100.00	7,248.17	7,244.17	7,244.17	106.76	251.17	90.04	1,667.12	-1,696.02	4,574.72	4,216.79	357.93	12.781	
11,200.00	7,248.75	7,244.75	7,244.75	109.37	251.19	90.04	1,667.12	-1,696.02	4,586.83	4,226.30	360.53	12.722	
11,300.00	7,249.33	7,245.33	7,245.33	112.00	251.21	90.05	1,667.12	-1,696.02	4,601.08	4,238.00	363.08	12.672	
11,400.00	7,249.91	7,245.91	7,245.91	114.64	251.23	90.06	1,667.12	-1,696.02	4,617.45	4,251.87	365.58	12.630	
11,500.00	7,250.49	7,246.49	7,246.49	117.29	251.25	90.07	1,667.12	-1,696.02	4,635.93	4,267.90	368.03	12.597	
11,600.00	7,251.07	7,247.07	7,247.07	119.95	251.27	90.07	1,667.12	-1,696.02	4,656.48	4,286.07	370.41	12.571	
11,700.00	7,251.65	7,247.65	7,247.65	122.62	251.29	90.08	1,667.12	-1,696.02	4,679.07	4,306.35	372.73	12.554	
11,800.00	7,252.23	7,248.23	7,248.23	125.30	251.31	90.09	1,667.12	-1,696.02	4,703.68	4,328.71	374.98	12.544	
11,900.00	7,252.82	7,248.82	7,248.82	127.98	251.33	90.10	1,667.12	-1,696.02	4,730.28	4,353.12	377.17	12.542	SF
12,000.00	7,253.40	7,249.40	7,249.40	130.68	251.35	90.10	1,667.12	-1,696.02	4,758.84	4,379.55	379.29	12.547	
12,100.00	7,253.98	7,249.98	7,249.98	133.38	251.37	90.11	1,667.12	-1,696.02	4,789.31	4,407.97	381.34	12.559	
12,200.00	7,254.56	7,250.56	7,250.56	136.09	251.39	90.12	1,667.12	-1,696.02	4,821.66	4,438.34	383.32	12.579	
12,300.00	7,255.14	7,251.14	7,251.14	138.81	251.41	90.12	1,667.12	-1,696.02	4,855.86	4,470.62	385.23	12.605	
12,400.00	7,255.72	7,251.72	7,251.72	141.53	251.43	90.13	1,667.12	-1,696.02	4,891.86	4,504.78	387.08	12.638	
12,500.00	7,256.30	7,252.30	7,252.30	144.26	251.45	90.14	1,667.12	-1,696.02	4,929.63	4,540.78	388.85	12.677	
12,600.00	7,256.88	7,252.88	7,252.88	146.99	251.47	90.15	1,667.12	-1,696.02	4,969.12	4,578.56	390.56	12.723	
12,700.00	7,257.46	7,253.46	7,253.46	149.73	251.49	90.15	1,667.12	-1,696.02	5,010.30	4,618.11	392.19	12.775	
12,800.00	7,258.04	7,254.04	7,254.04	152.47	251.52	90.16	1,667.12	-1,696.02	5,053.12	4,659.36	393.76	12.833	
12,900.00	7,258.63	7,254.63	7,254.63	155.22	251.54	90.17	1,667.12	-1,696.02	5,097.54	4,702.28	395.27	12.896	
13,000.00	7,259.21	7,255.21	7,255.21	157.97	251.56	90.18	1,667.12	-1,696.02	5,143.53	4,746.82	396.70	12.966	
13,100.00	7,259.79	7,255.79	7,255.79	160.72	251.58	90.18	1,667.12	-1,696.02	5,191.03	4,792.95	398.08	13.040	
13,200.00	7,260.37	7,256.37	7,256.37	163.48	251.60	90.19	1,667.12	-1,696.02	5,240.01	4,840.62	399.39	13.120	
13,300.00	7,260.95	7,256.95	7,256.95	166.24	251.62	90.20	1,667.12	-1,696.02	5,290.43	4,889.79	400.65	13.205	
13,400.00	7,261.53	7,257.53	7,257.53	169.01	251.64	90.21	1,667.12	-1,696.02	5,342.25	4,940.41	401.84	13.294	
13,480.77	7,262.00	7,258.00	7,258.00	171.24	251.65	90.21	1,667.12	-1,696.02	5,385.09	4,982.33	402.76	13.370	

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-105.34	-1,958.56	-7,141.61	7,405.31				
100.00	100.00	86.56	86.56	3.28	3.29	-105.34	-1,958.78	-7,141.57	7,405.33	7,398.76	6.57	1,127.106	
200.00	200.00	176.27	176.27	3.34	3.31	-105.34	-1,959.46	-7,141.47	7,405.42	7,398.77	6.65	1,113.879	
300.00	300.00	261.11	261.10	3.44	3.38	-105.35	-1,960.31	-7,141.52	7,405.73	7,398.91	6.83	1,084.679	
400.00	399.98	359.04	359.03	3.60	3.51	99.52	-1,961.43	-7,141.59	7,406.40	7,399.29	7.11	1,041.966	
500.00	499.84	449.84	449.82	3.79	3.67	99.53	-1,962.06	-7,141.90	7,407.77	7,400.32	7.46	993.287	
600.00	599.45	553.56	553.54	4.02	3.90	99.56	-1,962.48	-7,142.32	7,409.73	7,401.81	7.91	936.359	
700.00	698.70	638.65	638.63	4.29	4.11	99.58	-1,963.10	-7,142.61	7,412.30	7,403.91	8.40	882.811	
800.00	797.47	710.35	710.33	4.59	4.31	99.59	-1,963.53	-7,143.15	7,415.82	7,406.92	8.90	833.404	
900.00	895.62	794.71	794.68	4.93	4.55	99.63	-1,963.88	-7,144.05	7,420.22	7,410.74	9.48	782.414	
1,000.00	993.06	887.16	887.12	5.31	4.84	99.68	-1,964.46	-7,145.10	7,425.38	7,415.24	10.14	731.948	
1,100.00	1,089.64	970.00	969.95	5.72	5.11	99.73	-1,964.98	-7,146.11	7,431.29	7,420.47	10.82	686.634	
1,200.00	1,185.27	1,017.10	1,017.05	6.16	5.27	99.69	-1,964.94	-7,146.98	7,438.30	7,426.88	11.42	651.395	
1,300.00	1,279.82	1,061.00	1,060.93	6.64	5.42	99.64	-1,964.45	-7,148.22	7,446.68	7,434.64	12.04	618.437	
1,400.00	1,373.17	1,100.27	1,100.16	7.15	5.55	99.56	-1,963.69	-7,149.69	7,456.45	7,443.77	12.68	587.923	
1,500.00	1,465.21	1,153.00	1,152.81	7.70	5.73	99.52	-1,962.24	-7,152.22	7,467.67	7,454.26	13.41	556.927	
1,600.00	1,555.84	1,177.29	1,177.04	8.30	5.82	99.35	-1,961.38	-7,153.59	7,480.27	7,466.19	14.07	531.477	
1,651.50	1,601.92	1,196.62	1,196.33	8.62	5.89	99.28	-1,960.59	-7,154.79	7,487.33	7,472.87	14.46	517.961	
1,700.00	1,645.13	1,214.61	1,214.25	8.93	5.95	99.35	-1,959.78	-7,155.98	7,494.26	7,479.44	14.82	505.680	
1,800.00	1,734.20	1,248.00	1,247.51	9.58	6.07	99.49	-1,958.06	-7,158.38	7,509.21	7,493.64	15.57	482.151	
1,900.00	1,823.28	1,277.62	1,276.99	10.25	6.18	99.60	-1,956.37	-7,160.77	7,525.11	7,508.78	16.33	460.830	
2,000.00	1,912.36	1,304.53	1,303.74	10.94	6.28	99.71	-1,954.73	-7,163.18	7,542.00	7,524.92	17.08	441.458	
2,100.00	2,001.43	1,343.00	1,341.94	11.63	6.42	99.86	-1,952.24	-7,167.02	7,559.91	7,542.02	17.89	422.550	
2,200.00	2,090.51	1,365.79	1,364.54	12.34	6.51	99.96	-1,950.66	-7,169.48	7,578.72	7,560.07	18.64	406.489	
2,300.00	2,179.59	1,406.49	1,404.86	13.05	6.67	100.12	-1,947.62	-7,174.08	7,598.39	7,578.92	19.47	390.218	
2,400.00	2,268.66	1,451.80	1,449.69	13.76	6.85	100.31	-1,943.92	-7,179.53	7,618.88	7,598.55	20.32	374.865	
2,500.00	2,357.74	1,515.18	1,512.35	14.49	7.11	100.58	-1,938.46	-7,187.40	7,640.02	7,618.76	21.26	359.400	
2,600.00	2,446.82	1,590.91	1,587.17	15.21	7.43	100.89	-1,931.73	-7,196.97	7,661.67	7,639.42	22.25	344.320	
2,700.00	2,535.89	1,663.22	1,658.61	15.95	7.74	101.19	-1,925.39	-7,206.14	7,683.74	7,660.51	23.24	330.658	
2,800.00	2,624.97	1,740.99	1,735.49	16.68	8.08	101.51	-1,919.18	-7,216.07	7,706.33	7,682.08	24.25	317.736	
2,900.00	2,714.05	1,855.75	1,849.05	17.42	8.60	101.97	-1,910.51	-7,230.17	7,728.88	7,703.43	25.44	303.750	
3,000.00	2,803.12	1,922.12	1,914.76	18.16	8.90	102.24	-1,906.04	-7,238.32	7,751.88	7,725.47	26.42	293.437	
3,100.00	2,892.20	2,046.05	2,037.58	18.90	9.47	102.72	-1,898.47	-7,253.06	7,774.93	7,747.27	27.66	281.070	
3,200.00	2,981.28	2,118.11	2,108.98	19.65	9.81	103.00	-1,893.70	-7,261.61	7,798.27	7,769.60	28.67	272.032	
3,300.00	3,070.36	2,184.12	2,174.32	20.40	10.12	103.26	-1,888.87	-7,269.62	7,822.09	7,792.44	29.64	263.861	
3,400.00	3,159.43	2,304.21	2,293.18	21.14	10.70	103.73	-1,879.78	-7,284.13	7,846.20	7,815.31	30.89	254.023	
3,500.00	3,248.51	2,415.24	2,403.10	21.89	11.23	104.17	-1,870.98	-7,297.11	7,870.27	7,838.18	32.09	245.248	
3,600.00	3,337.59	2,525.51	2,512.31	22.65	11.76	104.60	-1,862.20	-7,309.49	7,894.24	7,860.95	33.29	237.110	
3,700.00	3,426.66	2,606.26	2,592.28	23.40	12.16	104.92	-1,855.43	-7,318.51	7,918.49	7,884.14	34.35	230.520	
3,800.00	3,515.74	2,682.74	2,668.04	24.15	12.53	105.21	-1,849.33	-7,327.05	7,943.09	7,907.71	35.39	224.472	
3,900.00	3,604.82	2,740.77	2,725.51	24.91	12.82	105.44	-1,844.88	-7,333.65	7,968.19	7,931.86	36.33	219.354	
4,000.00	3,693.89	2,797.35	2,781.54	25.66	13.10	105.65	-1,840.55	-7,340.26	7,993.86	7,956.60	37.26	214.563	
4,100.00	3,782.97	2,862.00	2,845.52	26.42	13.42	105.90	-1,835.49	-7,348.05	8,020.13	7,981.90	38.23	209.805	
4,200.00	3,872.05	2,920.96	2,903.84	27.18	13.71	106.13	-1,830.76	-7,355.32	8,046.92	8,007.75	39.17	205.456	
4,300.00	3,961.12	3,038.03	3,019.65	27.94	14.30	106.57	-1,821.44	-7,369.68	8,074.03	8,033.62	40.41	199.816	
4,400.00	4,050.20	3,132.64	3,113.33	28.69	14.78	106.93	-1,814.36	-7,380.87	8,101.05	8,059.52	41.53	195.067	
4,500.00	4,139.28	3,184.74	3,164.90	29.45	15.04	107.12	-1,810.34	-7,387.09	8,128.47	8,086.04	42.43	191.587	
4,600.00	4,228.35	3,241.00	3,220.55	30.21	15.33	107.33	-1,805.95	-7,394.10	8,156.56	8,113.22	43.34	188.184	
4,700.00	4,317.43	4,700.00	3,453.03	30.97	22.54	108.18	-1,791.17	-7,421.34	8,184.44	8,133.70	50.74	161.300	
4,800.00	4,406.51	3,613.66	3,590.15	31.73	17.17	108.67	-1,782.55	-7,435.31	8,211.11	8,164.57	46.54	176.450	
4,900.00	4,495.59	3,704.80	3,680.59	32.50	17.62	109.00	-1,775.67	-7,444.38	8,237.99	8,190.35	47.63	172.946	
5,000.00	4,584.66	3,794.80	3,769.87	33.26	18.07	109.33	-1,768.62	-7,453.24	8,265.06	8,216.33	48.72	169.629	

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	5,100.00	3,879.45	34.02	24.54	109.73	-1,759.58	-7,463.76	8,292.12	8,236.67	55.45	149.553	
5,200.00	4,762.82	3,962.85	3,936.55	34.78	18.90	109.94	-1,754.40	-7,469.22	8,319.49	8,268.65	50.84	163.636	
5,300.00	4,851.89	4,002.00	3,975.35	35.54	19.09	110.08	-1,750.89	-7,473.13	8,347.56	8,295.90	51.66	161.599	
5,400.00	4,940.97	4,052.40	4,025.26	36.31	19.35	110.26	-1,746.31	-7,478.40	8,376.28	8,323.75	52.53	159.462	
5,500.00	5,030.05	4,101.32	4,073.67	37.07	19.60	110.44	-1,741.72	-7,483.73	8,405.65	8,352.26	53.39	157.444	
5,600.00	5,119.12	4,233.49	4,204.46	37.83	20.27	110.92	-1,728.99	-7,497.88	8,435.13	8,380.42	54.71	154.189	
5,700.00	5,208.20	4,339.07	4,309.10	38.60	20.81	111.30	-1,720.24	-7,508.86	8,464.63	8,408.75	55.87	151.498	
5,800.00	5,297.28	5,800.00	4,488.08	39.36	27.91	111.91	-1,708.00	-7,526.74	8,494.11	8,430.89	63.22	134.367	
5,900.00	5,386.35	5,226.66	5,193.61	40.13	24.84	114.07	-1,691.43	-7,568.82	8,521.69	8,460.12	61.57	138.400	
6,000.00	5,475.43	5,321.61	5,288.53	40.89	25.23	114.35	-1,690.73	-7,570.78	8,544.41	8,481.76	62.65	136.379	
6,100.00	5,564.51	5,412.79	5,379.70	41.66	25.60	114.61	-1,690.28	-7,572.63	8,567.30	8,503.58	63.71	134.469	
6,200.00	5,653.58	5,541.96	5,508.84	42.42	26.13	114.97	-1,690.09	-7,574.92	8,590.11	8,525.16	64.95	132.264	
6,300.00	5,742.66	5,619.93	5,586.81	43.19	26.44	115.19	-1,690.34	-7,576.20	8,613.00	8,547.05	65.94	130.618	
6,400.00	5,831.74	5,693.89	5,660.75	43.95	26.74	115.40	-1,690.38	-7,577.52	8,636.20	8,569.28	66.92	129.061	
6,500.00	5,920.82	5,790.64	5,757.49	44.72	27.14	115.67	-1,690.17	-7,579.30	8,659.65	8,591.65	68.00	127.352	
6,600.00	6,009.89	5,882.49	5,849.32	45.48	27.51	115.93	-1,690.05	-7,580.90	8,683.18	8,614.12	69.06	125.740	
6,700.00	6,098.97	5,961.87	5,928.69	46.25	27.84	116.15	-1,689.87	-7,582.29	8,706.93	8,636.87	70.05	124.288	
6,800.00	6,188.05	6,058.20	6,025.01	47.01	28.23	116.41	-1,689.99	-7,584.09	8,730.92	8,659.79	71.13	122.743	
6,900.00	6,277.12	6,227.97	6,194.75	47.78	28.92	116.87	-1,690.72	-7,586.15	8,754.40	8,681.85	72.55	120.663	
7,000.00	6,366.20	7,676.98	7,211.80	48.55	34.60	114.77	-2,494.87	-7,579.60	8,775.69	8,694.83	80.86	108.524	
7,100.00	6,455.28	7,688.55	7,212.31	49.31	34.70	114.70	-2,506.42	-7,579.56	8,786.54	8,704.81	81.73	107.511	
7,197.64	6,542.25	7,717.00	7,213.13	50.06	34.96	114.53	-2,534.86	-7,579.71	8,798.23	8,715.51	82.72	106.355	
7,200.00	6,544.35	7,717.00	7,213.13	50.08	34.96	114.15	-2,534.86	-7,579.71	8,798.52	8,715.78	82.74	106.336	
7,250.00	6,589.22	7,717.00	7,213.13	50.44	34.96	105.45	-2,534.86	-7,579.71	8,802.70	8,719.60	83.10	105.931	
7,300.00	6,634.48	7,717.00	7,213.13	50.77	34.96	95.98	-2,534.86	-7,579.71	8,803.25	8,719.82	83.43	105.520	
7,350.00	6,679.86	7,717.00	7,213.13	51.06	34.96	86.27	-2,534.86	-7,579.71	8,800.16	8,716.44	83.72	105.110	
7,400.00	6,725.09	7,717.00	7,213.13	51.31	34.96	76.91	-2,534.86	-7,579.71	8,793.45	8,709.47	83.98	104.707	
7,450.00	6,769.87	7,730.31	7,213.33	51.52	35.09	68.31	-2,548.16	-7,579.87	8,783.12	8,698.78	84.33	104.150	
7,500.00	6,813.94	7,737.56	7,213.41	51.69	35.16	60.83	-2,555.42	-7,579.98	8,769.23	8,684.65	84.58	103.681	
7,550.00	6,857.03	8,315.93	7,213.77	51.84	42.21	50.82	-3,133.47	-7,571.21	8,751.64	8,659.61	92.04	95.089	
7,600.00	6,898.86	8,321.93	7,213.68	51.95	42.30	45.43	-3,139.45	-7,570.93	8,729.64	8,637.40	92.24	94.645	
7,650.00	6,939.19	8,333.00	7,213.51	52.05	42.46	40.89	-3,150.52	-7,570.44	8,704.39	8,611.92	92.48	94.125	
7,700.00	6,977.75	8,333.00	7,213.51	52.13	42.46	37.17	-3,150.52	-7,570.44	8,676.02	8,583.50	92.53	93.768	
7,750.00	7,014.32	8,333.00	7,213.51	52.20	42.46	34.04	-3,150.52	-7,570.44	8,644.69	8,552.14	92.55	93.402	
7,800.00	7,048.67	8,333.00	7,213.51	52.26	42.46	31.39	-3,150.52	-7,570.44	8,610.56	8,518.00	92.56	93.026	
7,850.00	7,080.59	8,333.00	7,213.51	52.33	42.46	29.12	-3,150.52	-7,570.44	8,573.82	8,481.26	92.55	92.637	
7,900.00	7,109.87	8,346.80	7,213.29	52.39	42.66	26.98	-3,164.31	-7,569.87	8,534.60	8,441.86	92.74	92.025	
7,950.00	7,136.35	8,349.45	7,213.25	52.47	42.70	25.15	-3,166.95	-7,569.77	8,493.20	8,400.44	92.76	91.564	
8,000.00	7,159.85	8,351.74	7,213.21	52.55	42.73	23.41	-3,169.24	-7,569.68	8,449.80	8,357.04	92.76	91.092	
8,050.00	7,180.23	8,353.66	7,213.18	52.64	42.76	21.67	-3,171.15	-7,569.61	8,404.65	8,311.89	92.76	90.607	
8,100.00	7,197.37	8,365.00	7,213.01	52.75	42.93	19.52	-3,182.49	-7,569.22	8,358.03	8,265.13	92.90	89.965	
8,150.00	7,211.16	8,365.00	7,213.01	52.88	42.93	16.96	-3,182.49	-7,569.22	8,310.15	8,217.27	92.88	89.474	
8,200.00	7,221.51	8,365.00	7,213.01	53.03	42.93	12.80	-3,182.49	-7,569.22	8,261.31	8,168.45	92.86	88.966	
8,250.00	7,228.37	8,365.00	7,213.01	53.20	42.93	3.15	-3,182.49	-7,569.22	8,211.81	8,118.96	92.85	88.443	
8,300.00	7,231.68	8,365.00	7,213.01	53.40	42.93	-40.90	-3,182.49	-7,569.22	8,161.94	8,069.09	92.85	87.907	
8,317.45	7,232.00	8,365.00	7,213.01	53.47	42.93	-79.97	-3,182.49	-7,569.22	8,144.50	8,051.65	92.85	87.718	
8,400.00	7,232.48	8,365.00	7,213.01	53.86	42.93	-79.97	-3,182.49	-7,569.22	8,062.02	7,969.16	92.86	86.818	
8,500.00	7,233.06	8,365.00	7,213.01	54.44	42.93	-79.97	-3,182.49	-7,569.22	7,962.10	7,869.22	92.88	85.727	
8,600.00	7,233.64	8,353.97	7,213.18	55.14	42.77	-79.65	-3,171.46	-7,569.60	7,862.16	7,769.43	92.72	84.791	
8,700.00	7,234.22	8,352.86	7,213.20	55.99	42.75	-79.61	-3,170.36	-7,569.64	7,762.24	7,669.51	92.72	83.713	
8,800.00	7,234.80	8,351.73	7,213.21	57.00	42.73	-79.58	-3,169.23	-7,569.68	7,662.32	7,569.59	92.73	82.633	
8,900.00	7,235.39	8,350.59	7,213.23	58.18	42.72	-79.54	-3,168.08	-7,569.73	7,562.40	7,469.67	92.73	81.553	

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,349.42	7,213.25	59.53	42.70	-79.51	-3,166.92	-7,569.77	7,462.48	7,369.75	92.73	80.471	
9,100.00	7,236.55	8,348.22	7,213.27	61.04	42.68	-79.47	-3,165.72	-7,569.82	7,362.57	7,269.83	92.74	79.389	
9,200.00	7,237.13	8,347.01	7,213.29	62.69	42.66	-79.43	-3,164.51	-7,569.86	7,262.66	7,169.91	92.75	78.307	
9,300.00	7,237.71	8,345.77	7,213.31	64.47	42.65	-79.39	-3,163.27	-7,569.91	7,162.75	7,069.99	92.75	77.223	
9,400.00	7,238.29	8,344.50	7,213.33	66.36	42.63	-79.35	-3,162.01	-7,569.96	7,062.84	6,970.07	92.76	76.139	
9,500.00	7,238.87	8,343.21	7,213.35	68.34	42.61	-79.31	-3,160.72	-7,570.01	6,962.93	6,870.16	92.77	75.054	
9,600.00	7,239.45	8,333.00	7,213.51	70.41	42.46	-78.97	-3,150.52	-7,570.44	6,863.04	6,770.41	92.64	74.085	
9,700.00	7,240.03	8,333.00	7,213.51	72.55	42.46	-78.97	-3,150.52	-7,570.44	6,763.14	6,670.46	92.67	72.980	
9,800.00	7,240.61	8,333.00	7,213.51	74.76	42.46	-78.97	-3,150.52	-7,570.44	6,663.23	6,570.52	92.71	71.875	
9,900.00	7,241.20	8,333.00	7,213.51	77.02	42.46	-78.97	-3,150.52	-7,570.44	6,563.33	6,470.58	92.74	70.769	
10,000.00	7,241.78	8,333.00	7,213.51	79.33	42.46	-78.97	-3,150.52	-7,570.44	6,463.43	6,370.64	92.78	69.662	
10,100.00	7,242.36	8,333.00	7,213.51	81.68	42.46	-78.97	-3,150.52	-7,570.44	6,363.53	6,270.71	92.82	68.555	
10,200.00	7,242.94	8,333.00	7,213.51	84.07	42.46	-78.97	-3,150.52	-7,570.44	6,263.64	6,170.77	92.87	67.447	
10,300.00	7,243.52	8,333.00	7,213.51	86.49	42.46	-78.97	-3,150.52	-7,570.44	6,163.75	6,070.83	92.91	66.338	
10,400.00	7,244.10	8,333.00	7,213.51	88.95	42.46	-78.97	-3,150.52	-7,570.44	6,063.86	5,970.90	92.96	65.229	
10,500.00	7,244.68	8,333.00	7,213.51	91.43	42.46	-78.97	-3,150.52	-7,570.44	5,963.98	5,870.96	93.01	64.119	
10,600.00	7,245.26	8,333.00	7,213.51	93.93	42.46	-78.97	-3,150.52	-7,570.44	5,864.10	5,771.03	93.07	63.009	
10,700.00	7,245.84	8,323.54	7,213.65	96.46	42.32	-78.63	-3,141.07	-7,570.86	5,764.21	5,671.25	92.96	62.010	
10,800.00	7,246.42	8,321.43	7,213.69	99.01	42.29	-78.55	-3,138.96	-7,570.95	5,664.33	5,571.35	92.98	60.923	
10,900.00	7,247.01	8,319.27	7,213.72	101.58	42.26	-78.47	-3,136.80	-7,571.05	5,564.45	5,471.46	93.00	59.835	
11,000.00	7,247.59	8,317.07	7,213.75	104.16	42.23	-78.39	-3,134.60	-7,571.16	5,464.58	5,371.56	93.02	58.747	
11,100.00	7,248.17	8,314.83	7,213.78	106.76	42.20	-78.30	-3,132.36	-7,571.26	5,364.71	5,271.67	93.04	57.659	
11,200.00	7,248.75	8,312.53	7,213.82	109.37	42.17	-78.21	-3,130.07	-7,571.37	5,264.84	5,171.77	93.07	56.570	
11,300.00	7,249.33	8,310.20	7,213.85	112.00	42.13	-78.11	-3,127.74	-7,571.49	5,164.97	5,071.88	93.09	55.481	
11,400.00	7,249.91	8,302.00	7,213.97	114.64	42.01	-77.77	-3,119.55	-7,571.89	5,065.12	4,972.11	93.01	54.458	
11,500.00	7,250.49	8,302.00	7,213.97	117.29	42.01	-77.77	-3,119.55	-7,571.89	4,965.25	4,872.17	93.09	53.341	
11,600.00	7,251.07	8,302.00	7,213.97	119.95	42.01	-77.77	-3,119.55	-7,571.89	4,865.40	4,772.23	93.17	52.223	
11,700.00	7,251.65	8,302.00	7,213.97	122.62	42.01	-77.77	-3,119.55	-7,571.89	4,765.54	4,672.29	93.25	51.104	
11,800.00	7,252.23	8,302.00	7,213.97	125.30	42.01	-77.77	-3,119.55	-7,571.89	4,665.70	4,572.35	93.34	49.985	
11,900.00	7,252.82	8,293.98	7,214.07	127.98	41.90	-77.41	-3,111.54	-7,572.30	4,565.84	4,472.58	93.27	48.954	
12,000.00	7,253.40	8,290.85	7,214.11	130.68	41.86	-77.26	-3,108.42	-7,572.46	4,466.00	4,372.70	93.30	47.869	
12,100.00	7,253.98	8,287.66	7,214.15	133.38	41.81	-77.10	-3,105.24	-7,572.63	4,366.16	4,272.83	93.33	46.783	
12,200.00	7,254.56	8,284.41	7,214.19	136.09	41.76	-76.94	-3,101.99	-7,572.80	4,266.32	4,172.96	93.36	45.697	
12,300.00	7,255.14	8,281.10	7,214.22	138.81	41.72	-76.77	-3,098.69	-7,572.98	4,166.49	4,073.09	93.40	44.611	
12,400.00	7,255.72	8,277.73	7,214.26	141.53	41.67	-76.59	-3,095.32	-7,573.16	4,066.65	3,973.22	93.43	43.525	
12,500.00	7,256.30	12,500.00	7,214.37	144.26	101.54	-75.77	-3,080.94	-7,573.93	3,966.83	3,814.22	152.60	25.994	
12,600.00	7,256.88	12,600.00	7,214.41	146.99	102.96	-75.42	-3,075.47	-7,574.21	3,866.98	3,712.91	154.07	25.099	SF
12,700.00	7,257.46	8,245.22	7,214.50	149.73	41.21	-74.56	-3,062.86	-7,574.89	3,767.17	3,674.16	93.01	40.502	
12,800.00	7,258.04	8,234.88	7,214.54	152.47	41.07	-73.77	-3,052.53	-7,575.40	3,667.31	3,574.44	92.87	39.487	
12,900.00	7,258.63	8,230.63	7,214.54	155.22	41.01	-73.42	-3,048.28	-7,575.61	3,567.46	3,474.57	92.89	38.406	
13,000.00	7,259.21	8,226.35	7,214.54	157.97	40.95	-73.04	-3,044.01	-7,575.82	3,467.60	3,374.70	92.90	37.324	
13,100.00	7,259.79	8,222.03	7,214.53	160.72	40.89	-72.65	-3,039.69	-7,576.03	3,367.75	3,274.83	92.92	36.243	
13,200.00	7,260.37	8,217.67	7,214.51	163.48	40.84	-72.23	-3,035.34	-7,576.25	3,267.90	3,174.96	92.94	35.162	
13,300.00	7,260.95	8,213.28	7,214.48	166.24	40.77	-71.78	-3,030.95	-7,576.47	3,168.05	3,075.10	92.96	34.081	
13,400.00	7,261.53	8,208.84	7,214.44	169.01	40.71	-71.30	-3,026.52	-7,576.69	3,068.21	2,975.23	92.98	33.000	
13,480.77	7,262.00	8,206.00	7,214.41	171.24	40.67	-70.99	-3,023.68	-7,576.83	2,987.56	2,894.55	93.02	32.119	CC, ES

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-105.39	-1,957.12	-7,110.46	7,374.89				
100.00	100.00	113.67	113.67	3.28	3.29	-105.39	-1,957.31	-7,110.22	7,374.74	7,368.17	6.57	1,121.765	
200.00	200.00	204.83	204.82	3.34	3.33	-105.40	-1,957.79	-7,109.78	7,374.42	7,367.75	6.67	1,105.997	
248.00	248.00	238.00	238.00	3.38	3.36	-105.40	-1,958.08	-7,109.65	7,374.36	7,367.62	6.74	1,093.944	
300.00	300.00	263.34	263.33	3.44	3.38	-105.40	-1,958.33	-7,109.62	7,374.44	7,367.61	6.83	1,079.855	
400.00	399.98	306.99	306.98	3.60	3.43	99.46	-1,958.70	-7,109.85	7,375.47	7,368.44	7.03	1,048.886	
500.00	499.84	457.05	457.03	3.79	3.68	99.48	-1,960.21	-7,110.98	7,377.44	7,369.97	7.46	988.300	
600.00	599.45	584.02	583.98	4.02	3.96	99.52	-1,961.96	-7,110.75	7,379.05	7,371.07	7.98	924.690	
700.00	698.70	709.68	709.63	4.29	4.30	99.59	-1,963.39	-7,110.21	7,380.97	7,372.39	8.58	859.822	
800.00	797.47	800.79	800.73	4.59	4.57	99.64	-1,964.74	-7,109.65	7,383.40	7,374.24	9.16	806.075	
900.00	895.62	946.51	946.44	4.93	5.03	99.78	-1,966.83	-7,108.46	7,386.29	7,376.32	9.97	741.097	
1,000.00	993.06	1,044.27	1,044.19	5.31	5.36	99.87	-1,967.87	-7,107.25	7,389.29	7,378.62	10.67	692.442	
1,100.00	1,089.64	1,126.00	1,125.91	5.72	5.65	99.96	-1,968.23	-7,106.55	7,393.15	7,381.79	11.36	650.612	
1,200.00	1,185.27	1,223.48	1,223.39	6.16	6.00	100.08	-1,968.53	-7,105.87	7,397.84	7,385.69	12.15	608.689	
1,300.00	1,279.82	1,307.06	1,306.96	6.64	6.30	100.18	-1,968.84	-7,105.25	7,403.24	7,390.30	12.94	572.241	
1,400.00	1,373.17	1,404.65	1,404.55	7.15	6.67	100.32	-1,969.21	-7,104.71	7,409.56	7,395.75	13.81	536.350	
1,500.00	1,465.21	1,505.98	1,505.88	7.70	7.05	100.48	-1,969.22	-7,104.02	7,416.49	7,401.75	14.75	502.902	
1,600.00	1,555.84	1,606.27	1,606.16	8.30	7.44	100.65	-1,969.19	-7,103.27	7,424.21	7,408.49	15.72	472.275	
1,651.50	1,601.92	1,650.65	1,650.55	8.62	7.61	100.71	-1,969.17	-7,102.90	7,428.48	7,412.28	16.21	458.284	
1,700.00	1,645.13	1,684.28	1,684.17	8.93	7.74	100.83	-1,969.16	-7,102.65	7,432.70	7,416.05	16.65	446.509	
1,800.00	1,734.20	1,767.76	1,767.65	9.58	8.07	101.12	-1,969.25	-7,102.15	7,441.72	7,424.10	17.62	422.282	
1,900.00	1,823.28	1,844.41	1,844.29	10.25	8.38	101.38	-1,969.60	-7,101.59	7,450.98	7,432.39	18.59	400.869	
2,000.00	1,912.36	1,889.78	1,889.66	10.94	8.55	101.53	-1,969.62	-7,101.53	7,460.92	7,441.49	19.43	383.919	
2,100.00	2,001.43	1,937.44	1,937.33	11.63	8.73	101.70	-1,969.36	-7,101.81	7,471.65	7,451.35	20.30	368.150	
2,200.00	2,090.51	1,988.72	1,988.60	12.34	8.93	101.88	-1,968.75	-7,102.44	7,483.10	7,461.93	21.17	353.416	
2,300.00	2,179.59	2,046.36	2,046.22	13.05	9.14	102.09	-1,967.61	-7,103.53	7,495.25	7,473.16	22.08	339.404	
2,400.00	2,268.66	2,110.00	2,109.81	13.76	9.39	102.32	-1,965.63	-7,105.08	7,507.99	7,484.96	23.02	326.111	
2,500.00	2,357.74	2,205.38	2,205.04	14.49	9.75	102.68	-1,961.09	-7,107.79	7,521.11	7,497.02	24.10	312.134	
2,600.00	2,446.82	2,329.74	2,329.09	15.21	10.24	103.16	-1,953.19	-7,111.23	7,534.25	7,508.95	25.30	297.834	
2,700.00	2,535.89	2,411.81	2,410.92	15.95	10.57	103.48	-1,947.14	-7,113.41	7,547.48	7,521.15	26.33	286.622	
2,800.00	2,624.97	2,461.88	2,460.81	16.68	10.77	103.68	-1,943.17	-7,114.95	7,561.35	7,534.11	27.24	277.596	
2,900.00	2,714.05	2,539.25	2,537.84	17.42	11.09	103.99	-1,936.63	-7,117.70	7,575.87	7,547.61	28.26	268.050	
3,000.00	2,803.12	2,628.89	2,627.04	18.16	11.46	104.35	-1,928.29	-7,120.88	7,590.64	7,561.30	29.34	258.674	
3,100.00	2,892.20	2,699.21	2,696.96	18.90	11.75	104.63	-1,921.23	-7,123.48	7,605.82	7,575.48	30.35	250.635	
3,200.00	2,981.28	2,755.83	2,753.20	19.65	11.99	104.86	-1,915.08	-7,125.81	7,621.62	7,590.33	31.29	243.584	
3,300.00	3,070.36	2,816.61	2,813.51	20.40	12.25	105.11	-1,908.11	-7,128.56	7,638.06	7,605.81	32.25	236.820	
3,400.00	3,159.43	2,882.39	2,878.79	21.14	12.53	105.39	-1,900.63	-7,131.71	7,655.10	7,621.86	33.24	230.307	
3,500.00	3,248.51	2,961.97	2,957.81	21.89	12.87	105.71	-1,892.00	-7,135.56	7,672.60	7,638.31	34.29	223.762	
3,600.00	3,337.59	3,009.81	3,005.32	22.65	13.08	105.90	-1,887.00	-7,137.98	7,690.67	7,655.48	35.19	218.533	
3,700.00	3,426.66	3,058.00	3,053.17	23.40	13.29	106.10	-1,881.93	-7,140.64	7,709.49	7,673.39	36.09	213.590	
3,800.00	3,515.74	3,134.30	3,128.93	24.15	13.63	106.41	-1,873.96	-7,145.06	7,728.89	7,691.76	37.13	208.158	
3,900.00	3,604.82	3,285.33	3,279.00	24.91	14.30	107.01	-1,859.06	-7,153.23	7,748.42	7,709.89	38.52	201.136	
4,000.00	3,693.89	3,395.77	3,388.78	25.66	14.79	107.44	-1,848.18	-7,158.31	7,767.52	7,727.79	39.73	195.531	
4,100.00	3,782.97	3,490.37	3,482.78	26.42	15.21	107.82	-1,838.44	-7,162.64	7,786.97	7,746.11	40.85	190.608	
4,200.00	3,872.05	3,577.25	3,569.10	27.18	15.61	108.16	-1,829.36	-7,166.42	7,806.54	7,764.60	41.94	186.116	
4,300.00	3,961.12	3,640.97	3,632.41	27.94	15.89	108.41	-1,822.75	-7,169.28	7,826.60	7,783.68	42.92	182.348	
4,400.00	4,050.20	3,692.52	3,683.63	28.69	16.13	108.61	-1,817.43	-7,171.78	7,847.28	7,803.45	43.84	179.017	
4,500.00	4,139.28	3,759.88	3,750.54	29.45	16.44	108.87	-1,810.58	-7,175.30	7,868.60	7,823.78	44.83	175.539	
4,600.00	4,228.35	3,818.00	3,808.29	30.21	16.70	109.10	-1,804.78	-7,178.33	7,890.31	7,844.54	45.77	172.403	
4,700.00	4,317.43	3,876.50	3,866.39	30.97	16.97	109.33	-1,798.76	-7,181.57	7,912.61	7,865.90	46.71	169.405	
4,800.00	4,406.51	3,922.76	3,912.28	31.73	17.19	109.51	-1,793.67	-7,184.42	7,935.68	7,888.10	47.58	166.773	
4,900.00	4,495.59	3,991.07	3,980.01	32.50	17.51	109.78	-1,785.93	-7,188.83	7,959.33	7,910.76	48.57	163.868	

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,067.71	4,055.96	33.26	17.87	110.08	-1,777.00	-7,193.88	7,983.43	7,933.83	49.60	160.948	
5,100.00	4,673.74	4,240.21	4,226.90	34.02	18.69	110.76	-1,756.34	-7,204.26	8,007.35	7,956.21	51.14	156.576	
5,200.00	4,762.82	4,326.60	4,312.60	34.78	19.09	111.09	-1,746.58	-7,209.03	8,031.23	7,979.01	52.22	153.793	
5,300.00	4,851.89	4,540.08	4,524.63	35.54	20.10	111.90	-1,723.73	-7,218.75	8,054.50	8,000.54	53.97	149.252	
5,400.00	4,940.97	4,683.70	4,667.37	36.31	20.77	112.44	-1,708.74	-7,223.89	8,077.46	8,022.12	55.34	145.958	
5,500.00	5,030.05	4,762.74	4,746.04	37.07	21.14	112.72	-1,701.52	-7,226.42	8,100.30	8,043.92	56.38	143.684	
5,600.00	5,119.12	4,889.19	4,872.08	37.83	21.71	113.17	-1,692.04	-7,230.08	8,123.11	8,065.47	57.64	140.917	
5,700.00	5,208.20	5,186.64	5,169.19	38.60	23.00	114.14	-1,680.05	-7,235.19	8,145.54	8,085.82	59.73	136.384	
5,800.00	5,297.28	5,253.46	5,236.01	39.36	23.28	114.34	-1,679.09	-7,235.49	8,166.57	8,105.89	60.68	134.587	
5,900.00	5,386.35	5,319.19	5,301.73	40.13	23.56	114.54	-1,678.40	-7,235.97	8,188.06	8,126.43	61.62	132.874	
6,000.00	5,475.43	5,376.55	5,359.08	40.89	23.79	114.72	-1,677.99	-7,236.57	8,210.02	8,147.50	62.52	131.312	
6,100.00	5,564.51	5,433.00	5,415.53	41.66	24.03	114.88	-1,677.76	-7,237.41	8,232.56	8,169.15	63.41	129.821	
6,200.00	5,653.58	5,481.08	5,463.60	42.42	24.23	115.03	-1,677.67	-7,238.35	8,255.69	8,191.43	64.26	128.470	
6,300.00	5,742.66	5,745.64	5,728.09	43.19	25.29	115.77	-1,681.37	-7,241.58	8,278.31	8,212.19	66.12	125.207	
6,400.00	5,831.74	5,832.61	5,815.05	43.95	25.63	116.01	-1,682.99	-7,241.74	8,300.12	8,232.98	67.14	123.621	
6,500.00	5,920.82	5,910.21	5,892.64	44.72	25.94	116.23	-1,684.08	-7,241.93	8,322.19	8,254.07	68.12	122.164	
6,600.00	6,009.89	5,980.59	5,963.01	45.48	26.22	116.43	-1,684.83	-7,242.22	8,344.62	8,275.55	69.07	120.813	
6,700.00	6,098.97	6,059.54	6,041.96	46.25	26.54	116.65	-1,685.51	-7,242.68	8,367.39	8,297.34	70.06	119.436	
6,800.00	6,188.05	6,142.94	6,125.35	47.01	26.88	116.88	-1,686.21	-7,243.24	8,390.42	8,319.36	71.06	118.067	
6,900.00	6,277.12	6,223.88	6,206.29	47.78	27.21	117.11	-1,686.96	-7,243.85	8,413.69	8,341.63	72.06	116.761	
7,000.00	6,366.20	8,284.00	7,262.63	48.55	40.61	111.68	-3,032.28	-7,216.48	8,437.21	8,349.56	87.65	96.263	
7,100.00	6,455.28	8,284.00	7,262.63	49.31	40.61	111.68	-3,032.28	-7,216.48	8,444.54	8,356.13	88.42	95.508	
7,197.64	6,542.25	8,284.00	7,262.63	50.06	40.61	111.68	-3,032.28	-7,216.48	8,452.84	8,363.68	89.16	94.809	
7,200.00	6,544.35	8,284.00	7,262.63	50.08	40.61	111.30	-3,032.28	-7,216.48	8,453.05	8,363.88	89.17	94.793	
7,250.00	6,589.22	8,284.00	7,262.63	50.44	40.61	102.61	-3,032.28	-7,216.48	8,455.60	8,366.07	89.53	94.439	
7,300.00	6,634.48	8,284.00	7,262.63	50.77	40.61	93.15	-3,032.28	-7,216.48	8,454.53	8,364.66	89.87	94.079	
7,350.00	6,679.86	8,299.35	7,262.03	51.06	40.82	83.32	-3,047.60	-7,215.68	8,449.71	8,359.32	90.39	93.479	
7,400.00	6,725.09	8,301.70	7,261.94	51.31	40.86	73.91	-3,049.95	-7,215.57	8,441.38	8,350.69	90.68	93.087	
7,450.00	6,769.87	8,316.00	7,261.46	51.52	41.06	65.24	-3,064.23	-7,215.01	8,429.54	8,338.43	91.11	92.520	
7,500.00	6,813.94	8,316.00	7,261.46	51.69	41.06	57.74	-3,064.23	-7,215.01	8,414.11	8,322.83	91.28	92.176	
7,550.00	6,857.03	8,316.00	7,261.46	51.84	41.06	51.37	-3,064.23	-7,215.01	8,395.26	8,303.84	91.42	91.836	
7,600.00	6,898.86	8,316.00	7,261.46	51.95	41.06	46.04	-3,064.23	-7,215.01	8,373.07	8,281.56	91.51	91.498	
7,650.00	6,939.19	8,316.00	7,261.46	52.05	41.06	41.61	-3,064.23	-7,215.01	8,347.67	8,256.09	91.57	91.157	
7,700.00	6,977.75	8,316.00	7,261.46	52.13	41.06	37.92	-3,064.23	-7,215.01	8,319.17	8,227.56	91.61	90.810	
7,750.00	7,014.32	8,316.00	7,261.46	52.20	41.06	34.85	-3,064.23	-7,215.01	8,287.73	8,196.10	91.62	90.455	
7,800.00	7,048.67	8,316.00	7,261.46	52.26	41.06	32.26	-3,064.23	-7,215.01	8,253.50	8,161.88	91.62	90.087	
7,850.00	7,080.59	8,316.00	7,261.46	52.33	41.06	30.06	-3,064.23	-7,215.01	8,216.66	8,125.06	91.60	89.705	
7,900.00	7,109.87	8,316.00	7,261.46	52.39	41.06	28.17	-3,064.23	-7,215.01	8,177.41	8,085.84	91.57	89.307	
7,950.00	7,136.35	8,316.00	7,261.46	52.47	41.06	26.51	-3,064.23	-7,215.01	8,135.95	8,044.42	91.53	88.891	
8,000.00	7,159.85	8,316.00	7,261.46	52.55	41.06	25.01	-3,064.23	-7,215.01	8,092.51	8,001.02	91.49	88.456	
8,050.00	7,180.23	8,316.00	7,261.46	52.64	41.06	23.57	-3,064.23	-7,215.01	8,047.33	7,955.88	91.45	88.001	
8,100.00	7,197.37	8,316.00	7,261.46	52.75	41.06	22.08	-3,064.23	-7,215.01	8,000.65	7,909.24	91.41	87.527	
8,150.00	7,211.16	8,328.09	7,261.10	52.88	41.23	19.95	-3,076.31	-7,214.67	7,952.69	7,861.13	91.56	86.857	
8,200.00	7,221.51	8,328.57	7,261.08	53.03	41.24	17.02	-3,076.79	-7,214.65	7,903.83	7,812.29	91.54	86.340	
8,250.00	7,228.37	8,328.81	7,261.08	53.20	41.24	10.25	-3,077.03	-7,214.65	7,854.30	7,762.77	91.53	85.810	
8,300.00	7,231.68	8,328.81	7,261.08	53.40	41.24	-31.39	-3,077.02	-7,214.65	7,804.41	7,712.88	91.53	85.269	
8,317.45	7,232.00	8,328.74	7,261.08	53.47	41.24	-88.34	-3,076.96	-7,214.65	7,786.96	7,695.43	91.53	85.078	
8,400.00	7,232.48	8,328.38	7,261.09	53.86	41.24	-88.34	-3,076.59	-7,214.66	7,704.45	7,612.92	91.53	84.173	
8,500.00	7,233.06	8,327.92	7,261.10	54.44	41.23	-88.34	-3,076.14	-7,214.67	7,604.48	7,512.95	91.54	83.076	
8,600.00	7,233.64	8,316.00	7,261.46	55.14	41.06	-88.34	-3,064.23	-7,215.01	7,504.58	7,413.21	91.36	82.139	
8,700.00	7,234.22	8,316.00	7,261.46	55.99	41.06	-88.34	-3,064.23	-7,215.01	7,404.61	7,313.23	91.38	81.033	
8,800.00	7,234.80	8,316.00	7,261.46	57.00	41.06	-88.34	-3,064.23	-7,215.01	7,304.65	7,213.25	91.39	79.925	

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	8,316.00	7,261.46	58.18	41.06	-88.34	-3,064.23	-7,215.01	7,204.69	7,113.27	91.41	78.817	
9,000.00	7,235.97	8,316.00	7,261.46	59.53	41.06	-88.34	-3,064.23	-7,215.01	7,104.72	7,013.30	91.43	77.707	
9,100.00	7,236.55	8,316.00	7,261.46	61.04	41.06	-88.34	-3,064.23	-7,215.01	7,004.76	6,913.32	91.45	76.598	
9,200.00	7,237.13	8,316.00	7,261.46	62.69	41.06	-88.34	-3,064.23	-7,215.01	6,904.80	6,813.34	91.47	75.487	
9,300.00	7,237.71	8,316.00	7,261.46	64.47	41.06	-88.34	-3,064.23	-7,215.01	6,804.85	6,713.36	91.49	74.377	
9,400.00	7,238.29	8,316.00	7,261.46	66.36	41.06	-88.34	-3,064.23	-7,215.01	6,704.89	6,613.37	91.52	73.265	
9,500.00	7,238.87	8,316.00	7,261.46	68.34	41.06	-88.34	-3,064.23	-7,215.01	6,604.94	6,513.39	91.54	72.153	
9,600.00	7,239.45	8,316.00	7,261.46	70.41	41.06	-88.34	-3,064.23	-7,215.01	6,504.98	6,413.41	91.57	71.040	
9,700.00	7,240.03	8,316.00	7,261.46	72.55	41.06	-88.34	-3,064.23	-7,215.01	6,405.03	6,313.43	91.60	69.927	
9,800.00	7,240.61	8,316.00	7,261.46	74.76	41.06	-88.34	-3,064.23	-7,215.01	6,305.08	6,213.45	91.63	68.813	
9,900.00	7,241.20	8,316.00	7,261.46	77.02	41.06	-88.34	-3,064.23	-7,215.01	6,205.13	6,113.47	91.66	67.699	
10,000.00	7,241.78	8,316.00	7,261.46	79.33	41.06	-88.34	-3,064.23	-7,215.01	6,105.18	6,013.49	91.69	66.585	
10,100.00	7,242.36	8,316.00	7,261.46	81.68	41.06	-88.34	-3,064.23	-7,215.01	6,005.23	5,913.51	91.73	65.470	
10,200.00	7,242.94	8,316.00	7,261.46	84.07	41.06	-88.34	-3,064.23	-7,215.01	5,905.29	5,813.53	91.76	64.354	
10,300.00	7,243.52	8,316.00	7,261.46	86.49	41.06	-88.34	-3,064.23	-7,215.01	5,805.35	5,713.55	91.80	63.238	
10,400.00	7,244.10	8,316.00	7,261.46	88.95	41.06	-88.34	-3,064.23	-7,215.01	5,705.41	5,613.57	91.84	62.122	
10,500.00	7,244.68	8,316.00	7,261.46	91.43	41.06	-88.34	-3,064.23	-7,215.01	5,605.47	5,513.59	91.88	61.005	
10,600.00	7,245.26	8,316.00	7,261.46	93.93	41.06	-88.34	-3,064.23	-7,215.01	5,505.53	5,413.60	91.93	59.888	
10,700.00	7,245.84	8,316.00	7,261.46	96.46	41.06	-88.34	-3,064.23	-7,215.01	5,405.60	5,313.62	91.98	58.771	
10,800.00	7,246.42	8,316.00	7,261.46	99.01	41.06	-88.34	-3,064.23	-7,215.01	5,305.67	5,213.64	92.03	57.653	
10,900.00	7,247.01	8,316.00	7,261.46	101.58	41.06	-88.34	-3,064.23	-7,215.01	5,205.74	5,113.66	92.08	56.535	
11,000.00	7,247.59	8,316.00	7,261.46	104.16	41.06	-88.34	-3,064.23	-7,215.01	5,105.82	5,013.68	92.13	55.417	
11,100.00	7,248.17	8,316.00	7,261.46	106.76	41.06	-88.34	-3,064.23	-7,215.01	5,005.89	4,913.70	92.19	54.299	
11,200.00	7,248.75	8,316.00	7,261.46	109.37	41.06	-88.34	-3,064.23	-7,215.01	4,905.97	4,813.72	92.25	53.180	
11,300.00	7,249.33	8,316.00	7,261.46	112.00	41.06	-88.34	-3,064.23	-7,215.01	4,806.06	4,713.74	92.32	52.061	
11,400.00	7,249.91	8,316.00	7,261.46	114.64	41.06	-88.34	-3,064.23	-7,215.01	4,706.15	4,613.76	92.38	50.941	
11,500.00	7,250.49	8,316.00	7,261.46	117.29	41.06	-88.34	-3,064.23	-7,215.01	4,606.24	4,513.78	92.45	49.822	
11,600.00	7,251.07	8,316.00	7,261.46	119.95	41.06	-88.34	-3,064.23	-7,215.01	4,506.33	4,413.80	92.53	48.702	
11,700.00	7,251.65	8,316.00	7,261.46	122.62	41.06	-88.34	-3,064.23	-7,215.01	4,406.43	4,313.83	92.61	47.582	
11,800.00	7,252.23	8,316.00	7,261.46	125.30	41.06	-88.34	-3,064.23	-7,215.01	4,306.54	4,213.85	92.69	46.462	
11,900.00	7,252.82	8,316.00	7,261.46	127.98	41.06	-88.34	-3,064.23	-7,215.01	4,206.65	4,113.87	92.78	45.341	
12,000.00	7,253.40	8,303.92	7,261.86	130.68	40.89	-88.35	-3,052.16	-7,215.47	4,106.68	4,014.08	92.60	44.348	
12,100.00	7,253.98	8,302.86	7,261.90	133.38	40.87	-88.36	-3,051.10	-7,215.52	4,006.79	3,914.12	92.67	43.237	
12,200.00	7,254.56	8,301.75	7,261.94	136.09	40.86	-88.36	-3,050.00	-7,215.57	3,906.90	3,814.16	92.74	42.127	
12,300.00	7,255.14	8,300.60	7,261.98	138.81	40.84	-88.36	-3,048.85	-7,215.62	3,807.01	3,714.20	92.82	41.017	
12,400.00	7,255.72	8,299.41	7,262.02	141.53	40.83	-88.36	-3,047.66	-7,215.67	3,707.13	3,614.24	92.89	39.907	
12,500.00	7,256.30	8,298.16	7,262.07	144.26	40.81	-88.37	-3,046.41	-7,215.73	3,607.26	3,514.28	92.98	38.797	
12,600.00	7,256.88	8,296.86	7,262.12	146.99	40.79	-88.37	-3,045.12	-7,215.79	3,507.39	3,414.32	93.06	37.688	
12,700.00	7,257.46	8,295.51	7,262.17	149.73	40.77	-88.37	-3,043.77	-7,215.86	3,407.52	3,314.36	93.16	36.579	
12,800.00	7,258.04	8,284.00	7,262.63	152.47	40.61	-88.42	-3,032.28	-7,216.48	3,307.72	3,214.74	92.98	35.574	
12,900.00	7,258.63	8,284.00	7,262.63	155.22	40.61	-88.42	-3,032.28	-7,216.48	3,207.85	3,114.73	93.12	34.450	
13,000.00	7,259.21	8,284.00	7,262.63	157.97	40.61	-88.42	-3,032.28	-7,216.48	3,107.99	3,014.73	93.26	33.326	
13,100.00	7,259.79	8,284.00	7,262.63	160.72	40.61	-88.42	-3,032.28	-7,216.48	3,008.14	2,914.72	93.42	32.202	
13,200.00	7,260.37	8,284.00	7,262.63	163.48	40.61	-88.42	-3,032.28	-7,216.48	2,908.30	2,814.71	93.58	31.077	
13,300.00	7,260.95	8,284.00	7,262.63	166.24	40.61	-88.42	-3,032.28	-7,216.48	2,808.47	2,714.70	93.76	29.952	
13,400.00	7,261.53	8,284.00	7,262.63	169.01	40.61	-88.42	-3,032.28	-7,216.48	2,708.65	2,614.69	93.96	28.827	
13,480.77	7,262.00	8,284.00	7,262.63	171.24	40.61	-88.42	-3,032.28	-7,216.48	2,628.04	2,533.90	94.14	27.918	CC, ES, SF

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	231.25	231.17	3.28	3.36	-105.47	-1,958.69	-7,078.27	7,348.23				
100.00	100.00	319.34	319.22	3.28	3.46	-105.47	-1,958.09	-7,075.50	7,345.03	7,338.28	6.74	1,089.073	
200.00	200.00	367.90	367.76	3.34	3.53	-105.47	-1,957.98	-7,074.11	7,342.22	7,335.36	6.87	1,069.410	
300.00	300.00	422.00	421.84	3.44	3.62	-105.46	-1,956.93	-7,073.31	7,340.21	7,333.14	7.06	1,039.016	
400.00	399.98	457.33	457.16	3.60	3.69	99.45	-1,956.04	-7,073.12	7,339.20	7,331.92	7.28	1,007.954	
426.43	426.38	469.83	469.65	3.64	3.72	99.45	-1,955.79	-7,073.09	7,339.16	7,331.80	7.35	998.187	
500.00	499.84	513.00	512.82	3.79	3.81	99.47	-1,955.15	-7,073.08	7,339.51	7,331.93	7.59	967.551	
600.00	599.45	603.67	603.48	4.02	4.02	99.51	-1,954.53	-7,073.13	7,340.81	7,332.78	8.03	914.243	
700.00	698.70	767.00	766.81	4.29	4.47	99.65	-1,952.98	-7,072.12	7,341.87	7,333.12	8.75	839.155	
800.00	797.47	866.96	866.75	4.59	4.78	99.75	-1,951.66	-7,071.38	7,343.46	7,334.10	9.36	784.293	
900.00	895.62	939.73	939.51	4.93	5.01	99.81	-1,951.02	-7,070.86	7,345.83	7,335.89	9.94	739.019	
1,000.00	993.06	1,076.16	1,075.93	5.31	5.48	100.00	-1,949.20	-7,070.13	7,348.97	7,338.19	10.78	681.768	
1,100.00	1,089.64	1,140.59	1,140.35	5.72	5.71	100.06	-1,948.02	-7,069.81	7,352.61	7,341.20	11.41	644.123	
1,200.00	1,185.27	1,197.75	1,197.50	6.16	5.91	100.11	-1,946.99	-7,069.72	7,357.35	7,345.29	12.06	610.018	
1,300.00	1,279.82	2,052.54	2,049.74	6.64	9.32	102.40	-1,911.51	-7,032.53	7,360.14	7,344.28	15.86	464.125	
1,400.00	1,373.17	2,107.00	2,103.80	7.15	9.56	102.63	-1,906.67	-7,028.11	7,357.56	7,340.96	16.60	443.223	
1,500.00	1,465.21	1,500.00	2,280.09	7.70	6.96	103.28	-1,891.05	-7,012.48	7,355.56	7,340.93	14.63	502.687	
1,600.00	1,555.84	2,362.50	2,357.29	8.30	10.71	103.59	-1,884.87	-7,004.85	7,353.95	7,335.13	18.81	390.873	
1,651.50	1,601.92	2,393.00	2,387.57	8.62	10.85	103.71	-1,882.70	-7,001.95	7,353.74	7,334.48	19.26	381.743	
1,655.47	1,605.46	2,393.00	2,387.57	8.64	10.85	103.71	-1,882.70	-7,001.95	7,353.74	7,334.45	19.29	381.241	
1,700.00	1,645.13	2,418.52	2,412.92	8.93	10.96	103.81	-1,880.93	-6,999.56	7,353.82	7,334.14	19.68	373.647	
1,800.00	1,734.20	2,488.00	2,481.94	9.58	11.28	104.07	-1,875.96	-6,993.25	7,354.41	7,333.78	20.63	356.492	
1,900.00	1,823.28	2,645.32	2,638.10	10.25	12.01	104.68	-1,863.69	-6,978.68	7,355.11	7,333.15	21.97	334.842	
2,000.00	1,912.36	2,799.35	2,790.78	10.94	12.73	105.27	-1,850.81	-6,963.01	7,355.21	7,331.91	23.30	315.616	
2,092.02	1,994.32	2,893.96	2,884.59	11.58	13.18	105.62	-1,844.72	-6,952.31	7,354.98	7,330.63	24.34	302.118	
2,100.00	2,001.43	2,897.60	2,888.19	11.63	13.20	105.64	-1,844.50	-6,951.90	7,354.98	7,330.56	24.42	301.236	
2,200.00	2,090.51	2,943.08	2,933.32	12.34	13.41	105.81	-1,841.81	-6,946.91	7,355.45	7,330.14	25.32	290.554	
2,300.00	2,179.59	2,963.00	2,953.10	13.05	13.50	105.88	-1,840.62	-6,944.81	7,356.83	7,330.71	26.11	281.723	
2,400.00	2,268.66	3,011.66	3,001.43	13.76	13.73	106.06	-1,837.68	-6,940.04	7,359.05	7,332.02	27.04	272.179	
2,500.00	2,357.74	3,058.00	3,047.51	14.49	13.95	106.23	-1,834.84	-6,936.06	7,362.37	7,334.41	27.96	263.360	
2,600.00	2,446.82	2,600.00	3,239.57	15.21	11.78	106.96	-1,822.00	-6,917.89	7,365.19	7,338.55	26.64	276.428	
2,700.00	2,535.89	3,287.14	3,275.10	15.95	15.03	107.10	-1,819.46	-6,914.43	7,368.25	7,337.86	30.39	242.462	
2,800.00	2,624.97	3,341.00	3,328.65	16.68	15.29	107.30	-1,815.95	-6,909.79	7,372.42	7,341.07	31.35	235.157	
2,900.00	2,714.05	3,379.29	3,366.74	17.42	15.47	107.44	-1,813.56	-6,906.70	7,377.33	7,345.08	32.25	228.781	
3,000.00	2,803.12	3,540.87	3,527.38	18.16	16.23	108.04	-1,803.24	-6,892.73	7,382.27	7,348.59	33.68	219.214	
3,100.00	2,892.20	3,600.68	3,586.82	18.90	16.51	108.27	-1,799.23	-6,887.41	7,387.24	7,352.57	34.67	213.078	
3,200.00	2,981.28	3,998.34	3,981.20	19.65	18.45	109.76	-1,771.42	-6,845.16	7,391.60	7,354.49	37.11	199.161	
3,300.00	3,070.36	4,054.80	4,037.02	20.40	18.74	109.97	-1,766.75	-6,838.04	7,393.82	7,355.72	38.11	194.032	
3,400.00	3,159.43	4,102.00	4,083.69	21.14	18.98	110.16	-1,762.55	-6,832.36	7,396.79	7,357.73	39.06	189.375	
3,500.00	3,248.51	4,139.59	4,120.88	21.89	19.16	110.30	-1,759.11	-6,828.06	7,400.62	7,360.65	39.97	185.157	
3,600.00	3,337.59	4,197.00	4,177.73	22.65	19.45	110.52	-1,753.91	-6,822.04	7,405.48	7,364.51	40.97	180.773	
3,700.00	3,426.66	4,197.00	4,177.73	23.40	19.45	110.52	-1,753.91	-6,822.04	7,411.13	7,369.42	41.71	177.702	
3,800.00	3,515.74	4,238.89	4,219.27	24.15	19.66	110.69	-1,750.22	-6,818.09	7,417.79	7,375.16	42.63	174.018	
3,900.00	3,604.82	4,292.00	4,272.01	24.91	19.92	110.89	-1,745.80	-6,813.67	7,425.55	7,381.95	43.60	170.326	
4,000.00	3,693.89	4,307.12	4,287.03	25.66	19.99	110.95	-1,744.57	-6,812.52	7,434.09	7,389.70	44.39	167.473	
4,100.00	3,782.97	4,361.63	4,341.21	26.42	20.25	111.16	-1,740.06	-6,808.52	7,443.50	7,398.14	45.36	164.100	
4,200.00	3,872.05	4,427.14	4,406.32	27.18	20.56	111.41	-1,734.50	-6,803.98	7,453.57	7,407.19	46.38	160.713	
4,300.00	3,961.12	4,300.00	4,522.68	27.94	19.95	111.86	-1,724.51	-6,795.76	7,463.89	7,417.38	46.51	160.471	
4,400.00	4,050.20	4,625.73	4,603.67	28.69	21.51	112.17	-1,717.47	-6,789.75	7,474.24	7,425.51	48.73	153.390	
4,500.00	4,139.28	4,672.00	4,649.66	29.45	21.74	112.35	-1,713.50	-6,786.56	7,485.32	7,435.66	49.65	150.752	
4,600.00	4,228.35	4,793.98	4,770.93	30.21	22.32	112.81	-1,703.73	-6,777.83	7,496.42	7,445.49	50.93	147.192	
4,700.00	4,317.43	4,833.54	4,810.29	30.97	22.51	112.95	-1,700.78	-6,775.13	7,508.22	7,456.40	51.82	144.894	

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,800.00	4,406.51	4,902.83	4,879.27	31.73	22.83	113.21	-1,695.89	-6,770.81	7,520.83	7,467.98	52.84	142.326	
4,900.00	4,495.59	5,000.80	4,976.86	32.50	23.29	113.56	-1,690.17	-6,764.45	7,533.54	7,479.55	53.99	139.527	
5,000.00	4,584.66	5,053.00	5,028.92	33.26	23.53	113.74	-1,688.20	-6,761.11	7,546.71	7,491.78	54.93	137.394	
5,100.00	4,673.74	5,053.00	5,028.92	34.02	23.53	113.74	-1,688.20	-6,761.11	7,560.95	7,505.34	55.61	135.958	
5,200.00	4,762.82	5,100.72	5,076.55	34.78	23.74	113.90	-1,686.77	-6,758.58	7,575.86	7,519.35	56.51	134.059	
5,300.00	4,851.89	5,148.00	5,123.78	35.54	23.94	114.06	-1,685.33	-6,757.02	7,592.19	7,534.79	57.40	132.259	
5,400.00	4,940.97	5,148.00	5,123.78	36.31	23.94	114.06	-1,685.33	-6,757.02	7,609.19	7,551.12	58.06	131.047	
5,500.00	5,030.05	5,191.18	5,166.93	37.07	24.13	114.21	-1,683.98	-6,756.09	7,627.27	7,568.34	58.93	129.440	
5,600.00	5,119.12	5,242.00	5,217.72	37.83	24.35	114.38	-1,682.34	-6,755.16	7,645.98	7,586.16	59.82	127.819	
5,700.00	5,208.20	5,272.42	5,248.13	38.60	24.47	114.49	-1,681.57	-6,754.80	7,665.49	7,604.89	60.60	126.499	
5,800.00	5,297.28	5,299.79	5,275.49	39.36	24.57	114.57	-1,681.24	-6,754.72	7,685.94	7,624.59	61.35	125.271	
5,900.00	5,386.35	5,337.00	5,312.70	40.13	24.72	114.69	-1,681.35	-6,754.98	7,707.34	7,645.19	62.15	124.005	
6,000.00	5,475.43	5,412.56	5,388.25	40.89	24.99	114.92	-1,682.19	-6,755.86	7,729.40	7,666.29	63.11	122.465	
6,100.00	5,564.51	5,524.17	5,499.85	41.66	25.40	115.26	-1,683.18	-6,756.86	7,751.46	7,687.21	64.24	120.655	
6,200.00	5,653.58	5,603.27	5,578.95	42.42	25.70	115.50	-1,683.79	-6,757.50	7,773.64	7,708.42	65.22	119.186	
6,300.00	5,742.66	5,673.85	5,649.52	43.19	25.96	115.72	-1,684.40	-6,758.20	7,796.18	7,730.02	66.16	117.840	
6,400.00	5,831.74	5,739.59	5,715.25	43.95	26.20	115.92	-1,685.10	-6,759.04	7,819.16	7,752.09	67.07	116.582	
6,500.00	5,920.82	5,800.86	5,776.51	44.72	26.43	116.10	-1,685.61	-6,760.03	7,842.63	7,774.67	67.96	115.405	
6,600.00	6,009.89	5,885.34	5,860.97	45.48	26.75	116.35	-1,686.21	-6,761.57	7,866.51	7,797.55	68.96	114.080	
6,700.00	6,098.97	5,967.61	5,943.23	46.25	27.05	116.60	-1,686.96	-6,763.12	7,890.60	7,820.65	69.94	112.816	
6,800.00	6,188.05	6,040.43	6,016.03	47.01	27.33	116.81	-1,687.49	-6,764.57	7,915.00	7,844.12	70.88	111.666	
6,900.00	6,277.12	6,205.44	6,181.00	47.78	27.95	117.30	-1,688.86	-6,767.65	7,939.63	7,867.35	72.28	109.850	
7,000.00	6,366.20	7,654.00	7,141.95	48.55	33.98	114.66	-2,516.49	-6,756.63	7,949.88	7,869.05	80.83	98.356	
7,100.00	6,455.28	7,654.00	7,141.95	49.31	33.98	114.66	-2,516.49	-6,756.63	7,960.58	7,879.06	81.52	97.655	
7,197.64	6,542.25	7,685.00	7,142.81	50.06	34.28	114.45	-2,547.47	-6,756.64	7,972.15	7,889.65	82.50	96.629	
7,200.00	6,544.35	7,685.00	7,142.81	50.08	34.28	114.07	-2,547.47	-6,756.64	7,972.44	7,889.92	82.52	96.614	
7,250.00	6,589.22	7,753.86	7,143.18	50.44	34.96	104.92	-2,616.33	-6,756.63	7,976.58	7,892.99	83.60	95.416	
7,300.00	6,634.48	7,765.19	7,143.05	50.77	35.08	95.38	-2,627.65	-6,756.61	7,976.99	7,892.97	84.02	94.938	
7,350.00	6,679.86	7,776.00	7,142.89	51.06	35.19	85.60	-2,638.47	-6,756.61	7,973.76	7,889.36	84.41	94.466	
7,400.00	6,725.09	7,776.00	7,142.89	51.31	35.19	76.23	-2,638.47	-6,756.61	7,966.93	7,882.30	84.63	94.137	
7,450.00	6,769.87	7,789.41	7,142.64	51.52	35.33	67.60	-2,651.87	-6,756.64	7,956.49	7,871.52	84.97	93.639	
7,500.00	6,813.94	7,795.72	7,142.48	51.69	35.40	60.11	-2,658.18	-6,756.67	7,942.54	7,857.36	85.18	93.241	
7,550.00	6,857.03	7,807.00	7,142.16	51.84	35.52	53.74	-2,669.46	-6,756.75	7,925.14	7,839.72	85.42	92.783	
7,600.00	6,898.86	7,807.00	7,142.16	51.95	35.52	48.50	-2,669.46	-6,756.75	7,904.36	7,818.88	85.48	92.473	
7,650.00	6,939.19	7,817.54	7,141.81	52.05	35.63	44.10	-2,679.99	-6,756.85	7,880.30	7,794.67	85.64	92.021	
7,700.00	6,977.75	7,826.45	7,141.50	52.13	35.73	40.48	-2,688.90	-6,756.95	7,853.10	7,767.35	85.75	91.585	
7,750.00	7,014.32	7,837.00	7,141.09	52.20	35.85	37.47	-2,699.44	-6,757.07	7,822.87	7,737.02	85.85	91.118	
7,800.00	7,048.67	7,875.91	7,139.35	52.26	36.29	34.72	-2,738.30	-6,757.48	7,789.75	7,703.44	86.31	90.256	
7,850.00	7,080.59	7,889.56	7,138.62	52.33	36.44	32.59	-2,751.93	-6,757.60	7,753.91	7,667.48	86.43	89.711	
7,900.00	7,109.87	8,607.00	7,136.13	52.39	46.76	22.71	-3,467.65	-6,731.56	7,715.41	7,617.74	97.67	78.992	
7,950.00	7,136.35	8,607.00	7,136.13	52.47	46.76	20.37	-3,467.65	-6,731.56	7,673.82	7,576.19	97.63	78.598	
8,000.00	7,159.85	8,607.00	7,136.13	52.55	46.76	17.95	-3,467.65	-6,731.56	7,630.29	7,532.70	97.59	78.186	
8,050.00	7,180.23	8,607.00	7,136.13	52.64	46.76	15.24	-3,467.65	-6,731.56	7,585.05	7,487.50	97.55	77.753	
8,100.00	7,197.37	8,618.76	7,136.29	52.75	46.96	11.60	-3,479.37	-6,730.59	7,538.32	7,440.59	97.73	77.132	
8,150.00	7,211.16	8,619.39	7,136.30	52.88	46.97	6.69	-3,479.99	-6,730.54	7,490.44	7,392.72	97.72	76.653	
8,200.00	7,221.51	8,619.57	7,136.30	53.03	46.97	-1.58	-3,480.18	-6,730.52	7,441.64	7,343.93	97.71	76.163	
8,250.00	7,228.37	8,619.32	7,136.30	53.20	46.97	-18.94	-3,479.92	-6,730.54	7,392.21	7,294.51	97.70	75.665	
8,300.00	7,231.68	8,618.61	7,136.29	53.40	46.95	-59.60	-3,479.21	-6,730.60	7,342.45	7,244.76	97.69	75.159	
8,317.45	7,232.00	8,618.25	7,136.29	53.47	46.95	-78.18	-3,478.86	-6,730.63	7,325.06	7,227.36	97.69	74.980	
8,400.00	7,232.48	8,607.00	7,136.13	53.86	46.76	-77.95	-3,467.65	-6,731.56	7,242.84	7,145.32	97.52	74.270	
8,500.00	7,233.06	8,607.00	7,136.13	54.44	46.76	-77.95	-3,467.65	-6,731.56	7,143.20	7,045.64	97.57	73.214	
8,600.00	7,233.64	8,607.00	7,136.13	55.14	46.76	-77.95	-3,467.65	-6,731.56	7,043.58	6,945.97	97.61	72.158	

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 146-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,700.00	7,234.22	8,607.00	7,136.13	55.99	46.76	-77.95	-3,467.65	-6,731.56	6,943.97	6,846.30	97.67	71.100	
8,800.00	7,234.80	8,607.71	7,136.14	57.00	46.77	-77.97	-3,468.35	-6,731.50	6,844.37	6,746.63	97.73	70.031	
8,900.00	7,235.39	8,598.90	7,136.00	58.18	46.62	-77.78	-3,459.58	-6,732.25	6,744.77	6,647.14	97.63	69.087	
9,000.00	7,235.97	8,590.09	7,135.87	59.53	46.48	-77.59	-3,450.80	-6,733.00	6,645.18	6,547.65	97.52	68.140	
9,100.00	7,236.55	8,581.28	7,135.74	61.04	46.33	-77.40	-3,442.03	-6,733.75	6,545.58	6,448.16	97.42	67.190	
9,200.00	7,237.13	8,576.00	7,135.67	62.69	46.24	-77.28	-3,436.76	-6,734.20	6,445.99	6,348.61	97.39	66.190	
9,300.00	7,237.71	8,006.81	7,131.80	64.47	37.87	-1.09	-2,868.98	-6,758.10	6,346.17	6,258.63	87.54	72.491	
9,400.00	7,238.29	8,006.76	7,131.80	66.36	37.87	-1.07	-2,868.93	-6,758.10	6,246.20	6,158.65	87.54	71.350	
9,500.00	7,238.87	8,006.71	7,131.80	68.34	37.87	-1.04	-2,868.88	-6,758.10	6,146.22	6,058.68	87.54	70.208	
9,600.00	7,239.45	8,006.65	7,131.80	70.41	37.87	-1.02	-2,868.83	-6,758.10	6,046.24	5,958.70	87.54	69.066	
9,700.00	7,240.03	8,006.60	7,131.81	72.55	37.87	-1.00	-2,868.77	-6,758.10	5,946.27	5,858.72	87.54	67.923	
9,800.00	7,240.61	8,006.55	7,131.81	74.76	37.87	-0.97	-2,868.72	-6,758.10	5,846.29	5,758.75	87.55	66.780	
9,900.00	7,241.20	8,006.49	7,131.81	77.02	37.87	-0.95	-2,868.66	-6,758.10	5,746.32	5,658.77	87.55	65.637	
10,000.00	7,241.78	8,006.43	7,131.81	79.33	37.87	-0.93	-2,868.61	-6,758.10	5,646.35	5,558.80	87.55	64.493	
10,100.00	7,242.36	8,006.37	7,131.82	81.68	37.87	-0.90	-2,868.55	-6,758.10	5,546.37	5,458.82	87.55	63.349	
10,200.00	7,242.94	8,006.31	7,131.82	84.07	37.86	-0.88	-2,868.49	-6,758.10	5,446.40	5,358.85	87.56	62.205	
10,300.00	7,243.52	8,006.25	7,131.82	86.49	37.86	-0.85	-2,868.43	-6,758.10	5,346.43	5,258.87	87.56	61.061	
10,400.00	7,244.10	8,006.19	7,131.82	88.95	37.86	-0.82	-2,868.36	-6,758.10	5,246.46	5,158.90	87.56	59.916	
10,500.00	7,244.68	8,006.13	7,131.83	91.43	37.86	-0.79	-2,868.30	-6,758.10	5,146.50	5,058.93	87.57	58.772	
10,600.00	7,245.26	8,006.06	7,131.83	93.93	37.86	-0.77	-2,868.24	-6,758.10	5,046.53	4,958.96	87.57	57.627	
10,700.00	7,245.84	8,005.99	7,131.83	96.46	37.86	-0.74	-2,868.17	-6,758.10	4,946.57	4,858.99	87.58	56.482	
10,800.00	7,246.42	8,005.93	7,131.84	99.01	37.86	-0.71	-2,868.10	-6,758.10	4,846.60	4,759.02	87.58	55.338	
10,900.00	7,247.01	8,005.85	7,131.84	101.58	37.86	-0.68	-2,868.03	-6,758.10	4,746.64	4,659.05	87.59	54.193	
11,000.00	7,247.59	8,005.78	7,131.84	104.16	37.86	-0.65	-2,867.96	-6,758.10	4,646.68	4,559.09	87.59	53.048	
11,100.00	7,248.17	8,005.71	7,131.85	106.76	37.86	-0.61	-2,867.88	-6,758.10	4,546.72	4,459.12	87.60	51.903	
11,200.00	7,248.75	8,005.63	7,131.85	109.37	37.86	-0.58	-2,867.81	-6,758.10	4,446.77	4,359.16	87.61	50.758	
11,300.00	7,249.33	8,005.55	7,131.85	112.00	37.86	-0.55	-2,867.73	-6,758.10	4,346.81	4,259.20	87.61	49.614	
11,400.00	7,249.91	8,005.47	7,131.86	114.64	37.85	-0.51	-2,867.65	-6,758.10	4,246.86	4,159.24	87.62	48.469	
11,500.00	7,250.49	8,005.39	7,131.86	117.29	37.85	-0.48	-2,867.56	-6,758.10	4,146.91	4,059.28	87.63	47.325	
11,600.00	7,251.07	8,005.30	7,131.87	119.95	37.85	-0.44	-2,867.48	-6,758.10	4,046.96	3,959.33	87.63	46.181	
11,700.00	7,251.65	8,005.22	7,131.87	122.62	37.85	-0.40	-2,867.39	-6,758.10	3,947.02	3,859.38	87.64	45.037	
11,800.00	7,252.23	8,005.13	7,131.87	125.30	37.85	-0.36	-2,867.30	-6,758.10	3,847.08	3,759.43	87.65	43.893	
11,900.00	7,252.82	8,005.03	7,131.88	127.98	37.85	-0.32	-2,867.21	-6,758.09	3,747.14	3,659.48	87.65	42.750	
12,000.00	7,253.40	8,004.94	7,131.88	130.68	37.85	-0.28	-2,867.11	-6,758.09	3,647.20	3,559.54	87.66	41.607	
12,100.00	7,253.98	8,004.84	7,131.89	133.38	37.85	-0.24	-2,867.02	-6,758.09	3,547.27	3,459.61	87.66	40.464	
12,200.00	7,254.56	8,004.74	7,131.89	136.09	37.85	-0.20	-2,866.92	-6,758.09	3,447.34	3,359.67	87.67	39.322	
12,300.00	7,255.14	8,004.64	7,131.90	138.81	37.84	-0.15	-2,866.81	-6,758.09	3,347.42	3,259.74	87.67	38.180	
12,400.00	7,255.72	8,004.53	7,131.90	141.53	37.84	-0.11	-2,866.70	-6,758.09	3,247.50	3,159.82	87.68	37.038	
12,500.00	7,256.30	8,004.42	7,131.91	144.26	37.84	-0.06	-2,866.59	-6,758.09	3,147.58	3,059.90	87.68	35.897	
12,600.00	7,256.88	8,004.30	7,131.91	146.99	37.84	-0.01	-2,866.48	-6,758.09	3,047.68	2,959.99	87.69	34.757	
12,700.00	7,257.46	8,004.19	7,131.92	149.73	37.84	0.04	-2,866.36	-6,758.09	2,947.77	2,860.09	87.69	33.617	
12,800.00	7,258.04	8,004.06	7,131.92	152.47	37.84	0.10	-2,866.24	-6,758.09	2,847.88	2,760.19	87.69	32.477	
12,900.00	7,258.63	8,003.94	7,131.93	155.22	37.83	0.15	-2,866.11	-6,758.09	2,747.99	2,660.30	87.69	31.338	
13,000.00	7,259.21	8,003.81	7,131.94	157.97	37.83	0.21	-2,865.98	-6,758.09	2,648.11	2,560.43	87.69	30.200	
13,100.00	7,259.79	8,003.67	7,131.94	160.72	37.83	0.26	-2,865.85	-6,758.09	2,548.24	2,460.56	87.68	29.062	
13,200.00	7,260.37	8,003.53	7,131.95	163.48	37.83	0.32	-2,865.71	-6,758.09	2,448.38	2,360.71	87.68	27.925	
13,300.00	7,260.95	8,003.39	7,131.96	166.24	37.83	0.39	-2,865.56	-6,758.09	2,348.54	2,260.87	87.67	26.789	
13,400.00	7,261.53	8,003.24	7,131.96	169.01	37.83	0.45	-2,865.41	-6,758.09	2,248.70	2,161.05	87.66	25.653	
13,480.77	7,262.00	8,003.11	7,131.97	171.24	37.82	0.51	-2,865.29	-6,758.09	2,168.08	2,080.43	87.65	24.736	CC, ES, SF

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-323(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 1200-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	15.00	-15.00	3.28	3.28	-109.21	-1,972.80	-5,661.73	5,995.59				
100.00	100.00	85.00	85.00	3.28	3.29	-109.21	-1,972.80	-5,661.73	5,995.59	5,989.02	6.57	912.570	
200.00	200.00	185.00	185.00	3.34	3.31	-109.21	-1,972.80	-5,661.73	5,995.59	5,988.95	6.64	902.669	
300.00	300.00	285.00	285.00	3.44	3.34	-109.21	-1,972.80	-5,661.73	5,995.59	5,988.81	6.78	883.785	
400.00	399.98	384.98	384.98	3.60	3.39	95.68	-1,972.80	-5,661.73	5,995.76	5,988.78	6.98	858.673	
500.00	499.84	484.84	484.84	3.79	3.45	95.72	-1,972.80	-5,661.73	5,996.28	5,989.05	7.23	829.012	
600.00	599.45	584.45	584.45	4.02	3.52	95.79	-1,972.80	-5,661.73	5,997.16	5,989.62	7.54	795.566	
700.00	698.70	683.70	683.70	4.29	3.61	95.88	-1,972.80	-5,661.73	5,998.41	5,990.51	7.89	759.909	
800.00	797.47	782.47	782.47	4.59	3.70	95.99	-1,972.80	-5,661.73	6,000.05	5,991.75	8.30	723.298	
900.00	895.62	880.62	880.62	4.93	3.81	96.13	-1,972.80	-5,661.73	6,002.10	5,993.36	8.74	686.672	
1,000.00	993.06	978.06	978.06	5.31	3.92	96.29	-1,972.80	-5,661.73	6,004.59	5,995.36	9.23	650.691	
1,100.00	1,089.64	1,074.64	1,074.64	5.72	4.04	96.46	-1,972.80	-5,661.73	6,007.57	5,997.81	9.76	615.797	
1,200.00	1,185.27	1,170.27	1,170.27	6.16	4.17	96.66	-1,972.80	-5,661.73	6,011.06	6,000.74	10.32	582.269	
1,300.00	1,279.82	1,264.82	1,264.82	6.64	4.30	96.87	-1,972.80	-5,661.73	6,015.11	6,004.18	10.93	550.267	
1,400.00	1,373.17	1,267.24	1,267.23	7.15	4.39	96.78	-1,972.37	-5,662.39	6,020.97	6,009.43	11.54	521.703	
1,500.00	1,465.21	1,300.00	1,299.98	7.70	4.49	96.76	-1,971.85	-5,663.20	6,028.10	6,015.92	12.19	494.702	
1,600.00	1,555.84	1,343.34	1,343.28	8.30	4.62	96.78	-1,970.86	-5,664.74	6,036.71	6,023.81	12.90	467.889	
1,651.50	1,601.92	1,362.22	1,362.13	8.62	4.68	96.76	-1,970.31	-5,665.59	6,041.74	6,028.46	13.28	455.103	
1,700.00	1,645.13	1,400.00	1,399.84	8.93	4.80	96.94	-1,969.02	-5,667.60	6,046.88	6,033.18	13.70	441.426	
1,800.00	1,734.20	1,400.00	1,399.84	9.58	4.80	96.94	-1,969.02	-5,667.60	6,058.10	6,043.76	14.34	422.515	
1,900.00	1,823.28	1,451.13	1,450.81	10.25	4.97	97.18	-1,966.85	-5,670.98	6,070.42	6,055.27	15.16	400.436	
2,000.00	1,912.36	1,500.00	1,499.45	10.94	5.13	97.42	-1,964.31	-5,674.93	6,083.96	6,067.98	15.99	380.546	
2,100.00	2,001.43	1,520.60	1,519.93	11.63	5.20	97.52	-1,963.11	-5,676.81	6,098.55	6,081.83	16.73	364.603	
2,200.00	2,090.51	1,554.63	1,553.73	12.34	5.32	97.70	-1,960.94	-5,680.17	6,114.31	6,096.79	17.52	349.004	
2,300.00	2,179.59	1,606.12	1,604.78	13.05	5.51	97.96	-1,957.34	-5,685.78	6,131.15	6,112.76	18.38	333.506	
2,400.00	2,268.66	1,689.40	1,687.35	13.76	5.83	98.38	-1,951.45	-5,694.95	6,148.58	6,129.20	19.38	317.224	
2,500.00	2,357.74	1,772.69	1,769.92	14.49	6.17	98.80	-1,945.55	-5,704.13	6,166.46	6,146.06	20.39	302.355	
2,600.00	2,446.82	1,855.97	1,852.48	15.21	6.51	99.21	-1,939.66	-5,713.30	6,184.78	6,163.36	21.42	288.747	
2,700.00	2,535.89	1,939.26	1,935.05	15.95	6.86	99.63	-1,933.76	-5,722.47	6,203.54	6,181.09	22.45	276.289	
2,800.00	2,624.97	2,022.54	2,017.62	16.68	7.22	100.04	-1,927.87	-5,731.65	6,222.74	6,199.25	23.49	264.861	
2,900.00	2,714.05	2,105.83	2,100.19	17.42	7.59	100.46	-1,921.97	-5,740.82	6,242.37	6,217.83	24.54	254.357	
3,000.00	2,803.12	2,189.12	2,182.76	18.16	7.97	100.87	-1,916.08	-5,750.00	6,262.43	6,236.84	25.59	244.683	
3,100.00	2,892.20	2,272.40	2,265.33	18.90	8.35	101.27	-1,910.18	-5,759.17	6,282.91	6,256.26	26.65	235.755	
3,200.00	2,981.28	2,355.69	2,347.89	19.65	8.73	101.68	-1,904.29	-5,768.35	6,303.81	6,276.10	27.71	227.498	
3,300.00	3,070.36	2,438.97	2,430.46	20.40	9.12	102.09	-1,898.39	-5,777.52	6,325.13	6,296.36	28.77	219.848	
3,400.00	3,159.43	2,522.26	2,513.03	21.14	9.51	102.49	-1,892.50	-5,786.70	6,346.85	6,317.02	29.83	212.744	
3,500.00	3,248.51	2,605.54	2,595.60	21.89	9.91	102.89	-1,886.60	-5,795.87	6,368.99	6,338.09	30.90	206.136	
3,600.00	3,337.59	2,688.83	2,678.17	22.65	10.30	103.29	-1,880.71	-5,805.05	6,391.52	6,359.56	31.96	199.978	
3,700.00	3,426.66	2,772.11	2,760.74	23.40	10.70	103.68	-1,874.81	-5,814.22	6,414.46	6,381.43	33.03	194.228	
3,800.00	3,515.74	2,855.40	2,843.30	24.15	11.10	104.08	-1,868.92	-5,823.40	6,437.79	6,403.70	34.09	188.850	
3,900.00	3,604.82	2,938.68	2,925.87	24.91	11.51	104.47	-1,863.02	-5,832.57	6,461.51	6,426.35	35.15	183.812	
4,000.00	3,693.89	3,021.97	3,008.44	25.66	11.91	104.86	-1,857.13	-5,841.75	6,485.61	6,449.40	36.22	179.084	
4,100.00	3,782.97	3,105.26	3,091.01	26.42	12.32	105.25	-1,851.23	-5,850.92	6,510.10	6,472.82	37.28	174.642	
4,200.00	3,872.05	3,188.54	3,173.58	27.18	12.73	105.63	-1,845.34	-5,860.10	6,534.96	6,496.62	38.34	170.461	
4,300.00	3,961.12	3,271.83	3,256.15	27.94	13.14	106.02	-1,839.44	-5,869.27	6,560.20	6,520.80	39.40	166.521	
4,400.00	4,050.20	3,355.11	3,338.72	28.69	13.55	106.40	-1,833.55	-5,878.45	6,585.80	6,545.35	40.45	162.803	
4,500.00	4,139.28	3,438.40	3,421.28	29.45	13.96	106.78	-1,827.65	-5,887.62	6,611.77	6,570.26	41.51	159.290	
4,600.00	4,228.35	3,521.68	3,503.85	30.21	14.37	107.15	-1,821.76	-5,896.80	6,638.10	6,595.54	42.56	155.967	
4,700.00	4,317.43	3,604.97	3,586.42	30.97	14.79	107.53	-1,815.86	-5,905.97	6,664.78	6,621.17	43.61	152.820	
4,800.00	4,406.51	3,688.25	3,668.99	31.73	15.20	107.90	-1,809.97	-5,915.15	6,691.82	6,647.16	44.66	149.835	
4,900.00	4,495.59	3,771.54	3,751.56	32.50	15.62	108.27	-1,804.07	-5,924.32	6,719.20	6,673.49	45.71	147.002	
5,000.00	4,584.66	3,854.82	3,834.13	33.26	16.03	108.64	-1,798.18	-5,933.50	6,746.93	6,700.17	46.75	144.311	

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-323(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 1200-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	3,938.11	3,916.69	34.02	16.45	109.00	-1,792.28	-5,942.67	6,774.99	6,727.20	47.80	141.751	
5,200.00	4,762.82	4,021.40	3,999.26	34.78	16.87	109.37	-1,786.38	-5,951.85	6,803.39	6,754.55	48.84	139.313	
5,300.00	4,851.89	4,104.68	4,081.83	35.54	17.29	109.73	-1,780.49	-5,961.02	6,832.12	6,782.25	49.87	136.991	
5,400.00	4,940.97	4,187.97	4,164.40	36.31	17.70	110.09	-1,774.59	-5,970.20	6,861.17	6,810.27	50.91	134.776	
5,500.00	5,030.05	4,271.25	4,246.97	37.07	18.12	110.44	-1,768.70	-5,979.37	6,890.55	6,838.61	51.94	132.662	
5,600.00	5,119.12	4,354.54	4,329.54	37.83	18.54	110.80	-1,762.80	-5,988.54	6,920.25	6,867.28	52.97	130.643	
5,700.00	5,208.20	4,437.82	4,412.10	38.60	18.96	111.15	-1,756.91	-5,997.72	6,950.26	6,896.26	54.00	128.712	
5,800.00	5,297.28	4,521.11	4,494.67	39.36	19.38	111.50	-1,751.01	-6,006.89	6,980.58	6,925.55	55.02	126.865	
5,900.00	5,386.35	4,604.39	4,577.24	40.13	19.80	111.84	-1,745.12	-6,016.07	7,011.20	6,955.15	56.05	125.096	
6,000.00	5,475.43	4,687.68	4,659.81	40.89	20.22	112.19	-1,739.22	-6,025.24	7,042.13	6,985.06	57.07	123.402	
6,100.00	5,564.51	4,770.96	4,742.38	41.66	20.64	112.53	-1,733.33	-6,034.42	7,073.35	7,015.27	58.08	121.778	
6,200.00	5,653.58	4,854.25	4,824.95	42.42	21.06	112.87	-1,727.43	-6,043.59	7,104.87	7,045.77	59.10	120.219	
6,300.00	5,742.66	4,937.54	4,907.51	43.19	21.49	113.21	-1,721.54	-6,052.77	7,136.68	7,076.57	60.11	118.723	
6,400.00	5,831.74	5,849.73	5,816.74	43.95	25.51	116.54	-1,692.68	-6,097.67	7,158.31	7,092.87	65.44	109.382	
6,500.00	5,920.82	5,938.80	5,905.82	44.72	25.86	116.84	-1,692.68	-6,097.67	7,180.65	7,114.18	66.47	108.030	
6,600.00	6,009.89	6,027.88	5,994.89	45.48	26.20	117.13	-1,692.68	-6,097.67	7,203.20	7,135.70	67.49	106.724	
6,700.00	6,098.97	6,116.96	6,083.97	46.25	26.55	117.42	-1,692.68	-6,097.67	7,225.96	7,157.45	68.52	105.463	
6,800.00	6,188.05	6,206.04	6,173.05	47.01	26.90	117.72	-1,692.68	-6,097.67	7,248.95	7,179.41	69.54	104.245	
6,900.00	6,277.12	6,295.11	6,262.12	47.78	27.25	118.01	-1,692.68	-6,097.67	7,272.14	7,201.58	70.56	103.067	
7,000.00	6,366.20	6,384.19	6,351.20	48.55	27.60	118.29	-1,692.68	-6,097.67	7,295.54	7,223.96	71.58	101.927	
7,100.00	6,455.28	7,729.02	7,181.63	49.31	32.60	114.87	-2,534.67	-6,097.50	7,308.60	7,229.03	79.57	91.848	
7,197.64	6,542.25	7,768.93	7,181.47	50.06	33.00	114.58	-2,574.57	-6,097.49	7,318.86	7,238.13	80.73	90.661	
7,200.00	6,544.35	7,769.89	7,181.47	50.08	33.01	114.19	-2,575.54	-6,097.49	7,319.12	7,238.36	80.76	90.633	
7,250.00	6,589.22	7,809.53	7,181.39	50.44	33.41	105.34	-2,596.11	-6,097.49	7,322.66	7,241.13	81.53	89.819	
7,300.00	6,634.48	7,811.20	7,181.30	50.77	33.43	95.73	-2,616.85	-6,097.48	7,322.56	7,240.67	81.90	89.412	
7,350.00	6,679.86	7,831.97	7,181.22	51.06	33.66	85.87	-2,637.62	-6,097.48	7,318.83	7,236.39	82.44	88.779	
7,400.00	6,725.09	7,852.65	7,181.14	51.31	33.89	76.36	-2,658.29	-6,097.47	7,311.47	7,228.53	82.94	88.153	
7,450.00	6,769.87	7,873.10	7,181.05	51.52	34.11	67.67	-2,678.74	-6,097.47	7,300.53	7,217.13	83.40	87.539	
7,500.00	6,813.94	7,906.80	7,180.97	51.69	34.49	60.08	-2,698.85	-6,097.47	7,286.06	7,202.10	83.96	86.779	
7,550.00	6,857.03	7,912.83	7,180.90	51.84	34.56	53.63	-2,718.48	-6,097.46	7,268.12	7,183.94	84.19	86.335	
7,600.00	6,898.86	7,931.87	7,180.82	51.95	34.79	48.24	-2,737.52	-6,097.46	7,246.82	7,162.29	84.52	85.736	
7,650.00	6,939.19	7,950.20	7,180.75	52.05	35.01	43.76	-2,755.85	-6,097.45	7,222.25	7,137.43	84.82	85.146	
7,700.00	6,977.75	7,967.71	7,180.67	52.13	35.22	40.04	-2,773.35	-6,097.45	7,194.55	7,109.47	85.08	84.561	
7,750.00	7,014.32	7,984.28	7,180.61	52.20	35.41	36.94	-2,789.93	-6,097.45	7,163.85	7,078.54	85.30	83.981	
7,800.00	7,048.67	8,000.18	7,180.55	52.26	35.60	34.35	-2,805.47	-6,097.44	7,130.31	7,044.81	85.50	83.397	
7,850.00	7,080.59	8,014.23	7,180.49	52.33	35.78	32.18	-2,819.88	-6,097.44	7,094.11	7,008.44	85.67	82.809	
7,900.00	7,109.87	8,027.43	7,180.44	52.39	35.95	30.35	-2,833.07	-6,097.44	7,055.43	6,969.62	85.81	82.217	
7,950.00	7,136.35	8,039.32	7,180.39	52.47	36.10	28.80	-2,844.96	-6,097.44	7,014.50	6,928.56	85.94	81.624	
8,000.00	7,159.85	8,049.84	7,180.35	52.55	36.24	27.47	-2,855.48	-6,097.43	6,971.52	6,885.48	86.04	81.030	
8,050.00	7,180.23	8,058.92	7,180.31	52.64	36.36	26.32	-2,864.57	-6,097.43	6,926.73	6,840.61	86.12	80.435	
8,100.00	7,197.37	8,066.51	7,180.28	52.75	36.45	25.29	-2,872.16	-6,097.43	6,880.38	6,794.21	86.18	79.839	
8,150.00	7,211.16	8,072.56	7,180.25	52.88	36.53	24.31	-2,878.21	-6,097.43	6,832.74	6,746.52	86.22	79.244	
8,200.00	7,221.51	8,077.03	7,180.24	53.03	36.59	23.20	-2,882.68	-6,097.43	6,784.08	6,697.83	86.26	78.651	
8,250.00	7,228.37	8,079.90	7,180.22	53.20	36.62	21.40	-2,885.54	-6,097.43	6,734.68	6,648.41	86.27	78.062	
8,300.00	7,231.68	8,081.14	7,180.22	53.40	36.64	13.53	-2,886.78	-6,097.43	6,684.84	6,598.56	86.28	77.478	
8,317.45	7,232.00	8,081.19	7,180.22	53.47	36.64	-13.87	-2,886.83	-6,097.43	6,667.39	6,581.11	86.28	77.276	
8,400.00	7,232.48	8,080.96	7,180.22	53.86	36.64	-13.70	-2,886.60	-6,097.43	6,584.85	6,498.58	86.28	76.324	
8,500.00	7,233.06	8,080.67	7,180.22	54.44	36.63	-13.50	-2,886.31	-6,097.43	6,484.86	6,398.59	86.27	75.170	
8,600.00	7,233.64	8,080.39	7,180.22	55.14	36.63	-13.30	-2,886.03	-6,097.43	6,384.86	6,298.60	86.26	74.015	
8,700.00	7,234.22	8,080.10	7,180.22	55.99	36.63	-13.09	-2,885.75	-6,097.43	6,284.87	6,198.61	86.26	72.859	
8,800.00	7,234.80	8,079.82	7,180.22	57.00	36.62	-12.89	-2,885.46	-6,097.43	6,184.88	6,098.62	86.26	71.703	
8,900.00	7,235.39	8,079.53	7,180.23	58.18	36.62	-12.68	-2,885.18	-6,097.43	6,084.89	5,998.63	86.25	70.546	

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-323(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 1200-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,079.25	7,180.23	59.53	36.62	-12.48	-2,884.89	-6,097.43	5,984.90	5,898.64	86.25	69.388	
9,100.00	7,236.55	8,078.97	7,180.23	61.04	36.61	-12.27	-2,884.61	-6,097.43	5,884.90	5,798.65	86.25	68.230	
9,200.00	7,237.13	8,078.68	7,180.23	62.69	36.61	-12.06	-2,884.33	-6,097.43	5,784.91	5,698.66	86.25	67.071	
9,300.00	7,237.71	8,078.40	7,180.23	64.47	36.61	-11.86	-2,884.04	-6,097.43	5,684.92	5,598.67	86.25	65.912	
9,400.00	7,238.29	8,078.11	7,180.23	66.36	36.60	-11.65	-2,883.76	-6,097.43	5,584.93	5,498.68	86.25	64.752	
9,500.00	7,238.87	8,077.83	7,180.23	68.34	36.60	-11.45	-2,883.47	-6,097.43	5,484.94	5,398.69	86.25	63.592	
9,600.00	7,239.45	8,077.55	7,180.23	70.41	36.59	-11.24	-2,883.19	-6,097.43	5,384.95	5,298.70	86.25	62.432	
9,700.00	7,240.03	8,077.26	7,180.24	72.55	36.59	-11.03	-2,882.90	-6,097.43	5,284.96	5,198.71	86.26	61.271	
9,800.00	7,240.61	8,076.98	7,180.24	74.76	36.59	-10.82	-2,882.62	-6,097.43	5,184.97	5,098.71	86.26	60.110	
9,900.00	7,241.20	8,076.69	7,180.24	77.02	36.58	-10.61	-2,882.34	-6,097.43	5,084.98	4,998.72	86.26	58.948	
10,000.00	7,241.78	8,076.41	7,180.24	79.33	36.58	-10.41	-2,882.05	-6,097.43	4,985.00	4,898.73	86.27	57.786	
10,100.00	7,242.36	8,076.12	7,180.24	81.68	36.58	-10.20	-2,881.77	-6,097.43	4,885.01	4,798.74	86.27	56.624	
10,200.00	7,242.94	8,075.84	7,180.24	84.07	36.57	-9.99	-2,881.48	-6,097.43	4,785.02	4,698.74	86.28	55.462	
10,300.00	7,243.52	8,075.56	7,180.24	86.49	36.57	-9.78	-2,881.20	-6,097.43	4,685.03	4,598.75	86.28	54.299	
10,400.00	7,244.10	8,075.27	7,180.24	88.95	36.57	-9.57	-2,880.91	-6,097.43	4,585.05	4,498.76	86.29	53.136	
10,500.00	7,244.68	8,074.99	7,180.24	91.43	36.56	-9.36	-2,880.63	-6,097.43	4,485.06	4,398.77	86.30	51.973	
10,600.00	7,245.26	8,074.70	7,180.25	93.93	36.56	-9.15	-2,880.35	-6,097.43	4,385.08	4,298.77	86.30	50.810	
10,700.00	7,245.84	8,074.42	7,180.25	96.46	36.55	-8.94	-2,880.06	-6,097.43	4,285.09	4,198.78	86.31	49.647	
10,800.00	7,246.42	8,074.13	7,180.25	99.01	36.55	-8.73	-2,879.78	-6,097.43	4,185.11	4,098.79	86.32	48.484	
10,900.00	7,247.01	8,073.85	7,180.25	101.58	36.55	-8.52	-2,879.49	-6,097.43	4,085.13	3,998.80	86.33	47.321	
11,000.00	7,247.59	8,073.57	7,180.25	104.16	36.54	-8.31	-2,879.21	-6,097.43	3,985.14	3,898.81	86.34	46.158	
11,100.00	7,248.17	8,073.28	7,180.25	106.76	36.54	-8.10	-2,878.93	-6,097.43	3,885.16	3,798.81	86.35	44.995	
11,200.00	7,248.75	8,073.00	7,180.25	109.37	36.54	-7.89	-2,878.64	-6,097.43	3,785.18	3,698.82	86.36	43.832	
11,300.00	7,249.33	8,072.71	7,180.25	112.00	36.53	-7.67	-2,878.36	-6,097.43	3,685.20	3,598.83	86.37	42.669	
11,400.00	7,249.91	8,072.43	7,180.25	114.64	36.53	-7.46	-2,878.07	-6,097.43	3,585.22	3,498.85	86.38	41.506	
11,500.00	7,250.49	8,072.15	7,180.26	117.29	36.53	-7.25	-2,877.79	-6,097.43	3,485.25	3,398.86	86.39	40.343	
11,600.00	7,251.07	8,071.86	7,180.26	119.95	36.52	-7.04	-2,877.50	-6,097.43	3,385.27	3,298.87	86.40	39.181	
11,700.00	7,251.65	8,071.58	7,180.26	122.62	36.52	-6.82	-2,877.22	-6,097.43	3,285.30	3,198.88	86.41	38.018	
11,800.00	7,252.23	8,071.29	7,180.26	125.30	36.51	-6.61	-2,876.94	-6,097.43	3,185.33	3,098.90	86.43	36.856	
11,900.00	7,252.82	8,071.01	7,180.26	127.98	36.51	-6.40	-2,876.65	-6,097.43	3,085.35	2,998.92	86.44	35.694	
12,000.00	7,253.40	8,070.72	7,180.26	130.68	36.51	-6.19	-2,876.37	-6,097.43	2,985.39	2,898.94	86.45	34.533	
12,100.00	7,253.98	8,070.44	7,180.26	133.38	36.50	-5.97	-2,876.08	-6,097.43	2,885.42	2,798.96	86.46	33.372	
12,200.00	7,254.56	8,070.16	7,180.26	136.09	36.50	-5.76	-2,875.80	-6,097.43	2,785.46	2,698.98	86.47	32.211	
12,300.00	7,255.14	8,069.87	7,180.26	138.81	36.50	-5.55	-2,875.51	-6,097.43	2,685.49	2,599.01	86.49	31.051	
12,400.00	7,255.72	8,069.59	7,180.27	141.53	36.49	-5.33	-2,875.23	-6,097.43	2,585.54	2,499.04	86.50	29.891	
12,500.00	7,256.30	8,069.30	7,180.27	144.26	36.49	-5.12	-2,874.95	-6,097.43	2,485.58	2,399.07	86.51	28.732	
12,600.00	7,256.88	8,069.02	7,180.27	146.99	36.48	-4.90	-2,874.66	-6,097.43	2,385.63	2,299.11	86.52	27.573	
12,700.00	7,257.46	8,068.73	7,180.27	149.73	36.48	-4.69	-2,874.38	-6,097.43	2,285.68	2,199.15	86.53	26.414	
12,800.00	7,258.04	8,068.45	7,180.27	152.47	36.48	-4.48	-2,874.09	-6,097.43	2,185.74	2,099.20	86.54	25.256	
12,900.00	7,258.63	8,068.17	7,180.27	155.22	36.47	-4.26	-2,873.81	-6,097.43	2,085.80	1,999.25	86.55	24.099	
13,000.00	7,259.21	8,067.88	7,180.27	157.97	36.47	-4.05	-2,873.53	-6,097.43	1,985.87	1,899.31	86.56	22.942	
13,100.00	7,259.79	8,067.60	7,180.27	160.72	36.47	-3.83	-2,873.24	-6,097.43	1,885.95	1,799.38	86.57	21.786	
13,200.00	7,260.37	8,067.31	7,180.28	163.48	36.46	-3.62	-2,872.96	-6,097.43	1,786.03	1,699.46	86.57	20.631	
13,300.00	7,260.95	8,067.03	7,180.28	166.24	36.46	-3.40	-2,872.67	-6,097.43	1,686.13	1,599.55	86.57	19.476	
13,400.00	7,261.53	8,066.74	7,180.28	169.01	36.46	-3.19	-2,872.39	-6,097.43	1,586.23	1,499.66	86.57	18.323	
13,480.77	7,262.00	8,066.52	7,180.28	171.24	36.45	-3.01	-2,872.16	-6,097.43	1,505.56	1,418.99	86.57	17.391	CC, ES, SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	15.00	-15.00	3.28	3.28	-109.11	-1,972.79	-5,692.32	6,024.49				
100.00	100.00	85.00	85.00	3.28	3.29	-109.11	-1,972.79	-5,692.32	6,024.49	6,017.92	6.57	916.969	
200.00	200.00	185.00	185.00	3.34	3.31	-109.11	-1,972.79	-5,692.32	6,024.49	6,017.84	6.64	907.020	
300.00	300.00	285.00	285.00	3.44	3.34	-109.11	-1,972.79	-5,692.32	6,024.49	6,017.70	6.78	888.045	
400.00	399.98	384.98	384.98	3.60	3.39	95.78	-1,972.79	-5,692.32	6,024.66	6,017.68	6.98	862.814	
500.00	499.84	484.84	484.84	3.79	3.45	95.82	-1,972.79	-5,692.32	6,025.19	6,017.96	7.23	833.010	
600.00	599.45	584.45	584.45	4.02	3.52	95.88	-1,972.79	-5,692.32	6,026.08	6,018.54	7.54	799.405	
700.00	698.70	683.70	683.70	4.29	3.61	95.97	-1,972.79	-5,692.32	6,027.35	6,019.46	7.89	763.579	
800.00	797.47	782.47	782.47	4.59	3.70	96.08	-1,972.79	-5,692.32	6,029.01	6,020.72	8.30	726.794	
900.00	895.62	830.68	830.68	4.93	3.78	96.12	-1,972.73	-5,692.48	6,031.43	6,022.71	8.72	691.764	
1,000.00	993.06	867.61	867.60	5.31	3.87	96.13	-1,972.51	-5,693.07	6,035.26	6,026.08	9.18	657.721	
1,100.00	1,089.64	900.00	899.98	5.72	3.94	96.11	-1,972.17	-5,693.95	6,040.53	6,030.87	9.66	625.308	
1,200.00	1,185.27	939.77	939.72	6.16	4.04	96.09	-1,971.58	-5,695.51	6,047.24	6,037.04	10.20	592.923	
1,300.00	1,279.82	1,000.00	999.84	6.64	4.20	96.14	-1,970.31	-5,698.84	6,055.56	6,044.73	10.83	559.131	
1,400.00	1,373.17	1,000.00	999.84	7.15	4.20	95.95	-1,970.31	-5,698.84	6,065.10	6,053.76	11.34	534.840	
1,500.00	1,465.21	1,042.59	1,042.30	7.70	4.32	95.90	-1,969.14	-5,701.92	6,076.22	6,064.22	12.00	506.190	
1,600.00	1,555.84	1,100.00	1,099.45	8.30	4.49	95.91	-1,967.21	-5,706.99	6,089.00	6,076.25	12.75	477.445	
1,651.50	1,601.92	1,100.00	1,099.45	8.62	4.49	95.77	-1,967.21	-5,706.99	6,095.98	6,082.91	13.07	466.569	
1,700.00	1,645.13	1,100.00	1,099.45	8.93	4.49	95.77	-1,967.21	-5,706.99	6,102.98	6,089.62	13.37	456.609	
1,800.00	1,734.20	1,137.98	1,137.20	9.58	4.61	95.95	-1,965.71	-5,710.93	6,118.29	6,104.17	14.12	433.362	
1,900.00	1,823.28	1,168.86	1,167.84	10.25	4.72	96.10	-1,964.36	-5,714.48	6,134.77	6,119.91	14.86	412.777	
2,000.00	1,912.36	1,200.00	1,198.70	10.94	4.82	96.26	-1,962.87	-5,718.38	6,152.41	6,136.80	15.62	393.947	
2,100.00	2,001.43	1,229.57	1,227.96	11.63	4.93	96.40	-1,961.35	-5,722.37	6,171.22	6,154.84	16.38	376.842	
2,200.00	2,090.51	1,289.52	1,287.20	12.34	5.15	96.70	-1,958.08	-5,730.96	6,191.06	6,173.81	17.25	358.855	
2,300.00	2,179.59	1,372.53	1,369.22	13.05	5.48	97.12	-1,953.54	-5,742.90	6,211.40	6,193.18	18.23	340.747	
2,400.00	2,268.66	1,455.54	1,451.24	13.76	5.82	97.53	-1,948.99	-5,754.83	6,232.18	6,212.96	19.22	324.187	
2,500.00	2,357.74	1,538.54	1,533.26	14.49	6.18	97.94	-1,944.45	-5,766.77	6,253.39	6,233.16	20.23	309.080	
2,600.00	2,446.82	1,621.55	1,615.28	15.21	6.54	98.35	-1,939.90	-5,778.71	6,275.02	6,253.77	21.25	295.276	
2,700.00	2,535.89	1,704.56	1,697.30	15.95	6.92	98.76	-1,935.36	-5,790.65	6,297.07	6,274.79	22.28	282.641	
2,800.00	2,624.97	1,787.57	1,779.32	16.68	7.31	99.17	-1,930.81	-5,802.59	6,319.54	6,296.22	23.31	271.054	
2,900.00	2,714.05	1,870.58	1,861.34	17.42	7.70	99.57	-1,926.27	-5,814.52	6,342.41	6,318.06	24.36	260.407	
3,000.00	2,803.12	1,953.59	1,943.36	18.16	8.10	99.97	-1,921.72	-5,826.46	6,365.70	6,340.29	25.40	250.604	
3,100.00	2,892.20	2,036.60	2,025.38	18.90	8.51	100.37	-1,917.18	-5,838.40	6,389.38	6,362.93	26.45	241.559	
3,200.00	2,981.28	2,119.61	2,107.40	19.65	8.92	100.77	-1,912.63	-5,850.34	6,413.46	6,385.96	27.50	233.196	
3,300.00	3,070.36	2,202.62	2,189.42	20.40	9.33	101.16	-1,908.09	-5,862.27	6,437.94	6,409.38	28.56	225.446	
3,400.00	3,159.43	2,285.63	2,271.44	21.14	9.75	101.55	-1,903.55	-5,874.21	6,462.80	6,433.19	29.61	218.252	
3,500.00	3,248.51	2,368.63	2,353.46	21.89	10.17	101.94	-1,899.00	-5,886.15	6,488.05	6,457.38	30.67	211.559	
3,600.00	3,337.59	2,451.64	2,435.48	22.65	10.59	102.33	-1,894.46	-5,898.09	6,513.67	6,481.95	31.72	205.321	
3,700.00	3,426.66	2,534.65	2,517.50	23.40	11.01	102.72	-1,889.91	-5,910.03	6,539.67	6,506.89	32.78	199.496	
3,800.00	3,515.74	2,617.66	2,599.52	24.15	11.44	103.10	-1,885.37	-5,921.96	6,566.05	6,532.21	33.84	194.048	
3,900.00	3,604.82	2,700.67	2,681.54	24.91	11.87	103.48	-1,880.82	-5,933.90	6,592.79	6,557.89	34.89	188.943	
4,000.00	3,693.89	2,783.68	2,763.56	25.66	12.30	103.86	-1,876.28	-5,945.84	6,619.89	6,583.94	35.95	184.153	
4,100.00	3,782.97	2,866.69	2,845.58	26.42	12.73	104.24	-1,871.73	-5,957.78	6,647.34	6,610.34	37.00	179.650	
4,200.00	3,872.05	2,949.70	2,927.61	27.18	13.16	104.61	-1,867.19	-5,969.71	6,675.15	6,637.10	38.05	175.412	
4,300.00	3,961.12	3,032.71	3,009.63	27.94	13.59	104.98	-1,862.64	-5,981.65	6,703.31	6,664.21	39.11	171.417	
4,400.00	4,050.20	3,115.71	3,091.65	28.69	14.03	105.35	-1,858.10	-5,993.59	6,731.82	6,691.66	40.15	167.646	
4,500.00	4,139.28	3,201.28	3,173.67	29.45	14.48	105.72	-1,853.55	-6,005.53	6,760.66	6,719.44	41.21	164.036	
4,600.00	4,228.35	3,281.73	3,255.69	30.21	14.90	106.08	-1,849.01	-6,017.47	6,789.84	6,747.59	42.25	160.709	
4,700.00	4,317.43	3,364.74	3,337.71	30.97	15.34	106.44	-1,844.46	-6,029.40	6,819.35	6,776.05	43.29	157.514	
4,800.00	4,406.51	3,447.75	3,419.73	31.73	15.78	106.80	-1,839.92	-6,041.34	6,849.18	6,804.85	44.34	154.483	
4,900.00	4,495.59	3,530.76	3,501.75	32.50	16.22	107.16	-1,835.37	-6,053.28	6,879.34	6,833.97	45.38	151.605	
5,000.00	4,584.66	3,613.77	3,583.77	33.26	16.66	107.52	-1,830.83	-6,065.22	6,909.82	6,863.40	46.42	148.870	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	3,703.22	3,665.79	34.02	17.13	107.87	-1,826.28	-6,077.15	6,940.61	6,893.13	47.48	146.176	
5,200.00	4,762.82	3,779.79	3,747.81	34.78	17.54	108.22	-1,821.74	-6,089.09	6,971.71	6,923.23	48.49	143.788	
5,300.00	4,851.89	3,862.80	3,829.83	35.54	17.98	108.57	-1,817.19	-6,101.03	7,003.12	6,953.60	49.52	141.425	
5,400.00	4,940.97	3,945.80	3,911.85	36.31	18.42	108.91	-1,812.65	-6,112.97	7,034.83	6,984.28	50.55	139.170	
5,500.00	5,030.05	4,028.81	3,993.87	37.07	18.87	109.26	-1,808.10	-6,124.91	7,066.84	7,015.26	51.58	137.017	
5,600.00	5,119.12	4,111.82	4,075.89	37.83	19.31	109.60	-1,803.56	-6,136.84	7,099.14	7,046.54	52.60	134.959	
5,700.00	5,208.20	4,205.17	4,157.91	38.60	19.81	109.94	-1,799.01	-6,148.78	7,131.73	7,078.06	53.67	132.874	
5,800.00	5,297.28	4,277.84	4,239.93	39.36	20.20	110.27	-1,794.47	-6,160.72	7,164.60	7,109.96	54.65	131.107	
5,900.00	5,386.35	4,360.85	4,321.95	40.13	20.64	110.61	-1,789.93	-6,172.66	7,197.76	7,142.10	55.67	129.302	
6,000.00	5,475.43	4,443.86	4,403.97	40.89	21.08	110.94	-1,785.38	-6,184.59	7,231.20	7,174.52	56.68	127.572	
6,100.00	5,564.51	4,526.87	4,485.99	41.66	21.53	111.27	-1,780.84	-6,196.53	7,264.91	7,207.21	57.70	125.913	
6,200.00	5,653.58	4,609.88	4,568.01	42.42	21.97	111.59	-1,776.29	-6,208.47	7,298.89	7,240.18	58.71	124.320	
6,300.00	5,742.66	4,707.12	4,650.03	43.19	22.50	111.92	-1,771.75	-6,220.41	7,333.14	7,273.35	59.79	122.656	
6,400.00	5,831.74	4,775.89	4,732.05	43.95	22.86	112.24	-1,767.20	-6,232.35	7,367.65	7,306.92	60.73	121.319	
6,500.00	5,920.82	4,858.90	4,814.07	44.72	23.31	112.56	-1,762.66	-6,244.28	7,402.42	7,340.68	61.74	119.905	
6,600.00	6,009.89	4,941.91	4,896.09	45.48	23.76	112.87	-1,758.11	-6,256.22	7,437.44	7,374.70	62.74	118.544	
6,700.00	6,098.97	5,024.92	4,978.11	46.25	24.20	113.19	-1,753.57	-6,268.16	7,472.72	7,408.97	63.74	117.233	
6,800.00	6,188.05	5,107.93	5,060.13	47.01	24.65	113.50	-1,749.02	-6,280.10	7,508.24	7,443.50	64.74	115.971	
6,900.00	6,277.12	5,209.06	5,142.15	47.78	25.19	113.81	-1,744.48	-6,292.03	7,544.01	7,478.19	65.82	114.610	
7,000.00	6,366.20	5,273.95	5,224.17	48.55	25.54	114.12	-1,739.93	-6,303.97	7,580.02	7,513.29	66.74	113.581	
7,100.00	6,455.28	5,356.96	5,306.19	49.31	25.99	114.42	-1,735.39	-6,315.91	7,616.27	7,548.54	67.73	112.449	
7,197.64	6,542.25	5,438.00	5,386.28	50.06	26.42	114.72	-1,730.95	-6,327.57	7,651.89	7,583.19	68.70	111.382	
7,200.00	6,544.35	5,439.97	5,388.21	50.08	26.43	114.34	-1,730.84	-6,327.85	7,652.75	7,584.03	68.72	111.357	
7,250.00	6,589.22	7,887.51	7,265.98	50.44	35.74	105.55	-2,592.21	-6,428.19	7,659.45	7,576.86	82.59	92.736	
7,300.00	6,634.48	7,908.48	7,266.00	50.77	35.93	95.94	-2,613.18	-6,428.19	7,659.02	7,575.86	83.17	92.094	
7,350.00	6,679.86	7,929.48	7,266.02	51.06	36.13	86.09	-2,634.17	-6,428.19	7,654.94	7,571.23	83.71	91.442	
7,400.00	6,725.09	7,950.38	7,266.05	51.31	36.34	76.59	-2,655.08	-6,428.19	7,647.23	7,563.01	84.22	90.799	
7,450.00	6,769.87	7,971.06	7,266.07	51.52	36.54	67.91	-2,675.76	-6,428.18	7,635.92	7,551.24	84.68	90.169	
7,500.00	6,813.94	8,008.61	7,266.09	51.69	36.93	60.33	-2,696.09	-6,428.18	7,621.08	7,535.79	85.29	89.357	
7,550.00	6,857.03	8,011.24	7,266.11	51.84	36.96	53.90	-2,715.94	-6,428.18	7,602.77	7,517.29	85.48	88.938	
7,600.00	6,898.86	8,030.49	7,266.13	51.95	37.17	48.52	-2,735.19	-6,428.18	7,581.10	7,495.27	85.83	88.327	
7,650.00	6,939.19	8,049.03	7,266.15	52.05	37.37	44.05	-2,753.73	-6,428.18	7,556.16	7,470.02	86.13	87.726	
7,700.00	6,977.75	8,066.73	7,266.17	52.13	37.57	40.35	-2,771.43	-6,428.17	7,528.09	7,441.69	86.40	87.132	
7,750.00	7,014.32	8,083.50	7,266.19	52.20	37.75	37.28	-2,788.19	-6,428.17	7,497.03	7,410.40	86.63	86.543	
7,800.00	7,048.67	8,100.79	7,266.20	52.26	37.95	34.73	-2,803.91	-6,428.17	7,463.14	7,376.30	86.84	85.939	
7,850.00	7,080.59	8,113.79	7,266.22	52.33	38.10	32.59	-2,818.49	-6,428.17	7,426.61	7,339.61	87.00	85.360	
7,900.00	7,109.87	8,127.14	7,266.23	52.39	38.26	30.81	-2,831.83	-6,428.17	7,387.63	7,300.48	87.16	84.763	
7,950.00	7,136.35	8,139.17	7,266.24	52.47	38.40	29.32	-2,843.87	-6,428.17	7,346.41	7,259.12	87.28	84.167	
8,000.00	7,159.85	8,149.81	7,266.26	52.55	38.53	28.07	-2,854.51	-6,428.17	7,303.17	7,215.78	87.39	83.572	
8,050.00	7,180.23	8,159.00	7,266.27	52.64	38.64	27.03	-2,863.70	-6,428.17	7,258.15	7,170.68	87.47	82.976	
8,100.00	7,197.37	8,166.68	7,266.27	52.75	38.73	26.16	-2,871.38	-6,428.16	7,211.61	7,124.07	87.54	82.382	
8,150.00	7,211.16	8,172.81	7,266.28	52.88	38.81	25.42	-2,877.51	-6,428.16	7,163.80	7,076.22	87.59	81.790	
8,200.00	7,221.51	8,177.34	7,266.28	53.03	38.86	24.75	-2,882.03	-6,428.16	7,115.02	7,027.40	87.62	81.201	
8,250.00	7,228.37	8,180.24	7,266.29	53.20	38.90	23.95	-2,884.94	-6,428.16	7,065.53	6,977.89	87.64	80.617	
8,300.00	7,231.68	8,181.51	7,266.29	53.40	38.91	20.41	-2,886.20	-6,428.16	7,015.65	6,928.00	87.65	80.040	
8,317.45	7,232.00	8,181.56	7,266.29	53.47	38.91	-114.50	-2,886.26	-6,428.16	6,998.20	6,910.55	87.65	79.841	
8,400.00	7,232.48	8,181.34	7,266.29	53.86	38.91	-114.76	-2,886.03	-6,428.16	6,915.65	6,828.00	87.65	78.902	
8,500.00	7,233.06	8,181.06	7,266.29	54.44	38.91	-115.07	-2,885.76	-6,428.16	6,815.65	6,728.01	87.65	77.763	
8,600.00	7,233.64	8,180.79	7,266.29	55.14	38.90	-115.40	-2,885.49	-6,428.16	6,715.65	6,628.01	87.64	76.624	
8,700.00	7,234.22	8,180.52	7,266.29	55.99	38.90	-115.73	-2,885.22	-6,428.16	6,615.65	6,528.01	87.64	75.483	
8,800.00	7,234.80	8,180.25	7,266.29	57.00	38.90	-116.08	-2,884.95	-6,428.16	6,515.65	6,428.01	87.64	74.343	
8,900.00	7,235.39	8,179.98	7,266.29	58.18	38.89	-116.43	-2,884.68	-6,428.16	6,415.65	6,328.01	87.64	73.201	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,179.71	7,266.29	59.53	38.89	-116.79	-2,884.41	-6,428.16	6,315.66	6,228.01	87.65	72.059	
9,100.00	7,236.55	8,179.44	7,266.29	61.04	38.89	-117.16	-2,884.14	-6,428.16	6,215.66	6,128.01	87.65	70.917	
9,200.00	7,237.13	8,179.17	7,266.29	62.69	38.88	-117.53	-2,883.87	-6,428.16	6,115.66	6,028.01	87.65	69.774	
9,300.00	7,237.71	8,178.90	7,266.29	64.47	38.88	-117.92	-2,883.60	-6,428.16	6,015.66	5,928.00	87.65	68.630	
9,400.00	7,238.29	8,178.63	7,266.29	66.36	38.88	-118.32	-2,883.33	-6,428.16	5,915.66	5,828.00	87.66	67.486	
9,500.00	7,238.87	8,178.36	7,266.29	68.34	38.87	-118.73	-2,883.06	-6,428.16	5,815.66	5,727.99	87.66	66.341	
9,600.00	7,239.45	8,178.09	7,266.29	70.41	38.87	-119.15	-2,882.78	-6,428.16	5,715.66	5,627.99	87.67	65.196	
9,700.00	7,240.03	8,177.82	7,266.28	72.55	38.87	-119.58	-2,882.51	-6,428.16	5,615.66	5,527.98	87.67	64.051	
9,800.00	7,240.61	8,177.55	7,266.28	74.76	38.86	-120.03	-2,882.24	-6,428.16	5,515.66	5,427.98	87.68	62.905	
9,900.00	7,241.20	8,177.28	7,266.28	77.02	38.86	-120.48	-2,881.97	-6,428.16	5,415.66	5,327.97	87.69	61.759	
10,000.00	7,241.78	8,177.00	7,266.28	79.33	38.86	-120.95	-2,881.70	-6,428.16	5,315.66	5,227.96	87.70	60.613	
10,100.00	7,242.36	8,176.73	7,266.28	81.68	38.85	-121.43	-2,881.43	-6,428.16	5,215.66	5,127.95	87.71	59.466	
10,200.00	7,242.94	8,176.46	7,266.28	84.07	38.85	-121.93	-2,881.16	-6,428.16	5,115.66	5,027.94	87.72	58.319	
10,300.00	7,243.52	8,176.19	7,266.28	86.49	38.85	-122.44	-2,880.89	-6,428.16	5,015.66	4,927.93	87.73	57.172	
10,400.00	7,244.10	8,175.92	7,266.28	88.95	38.84	-122.96	-2,880.62	-6,428.16	4,915.66	4,827.92	87.74	56.025	
10,500.00	7,244.68	8,175.65	7,266.28	91.43	38.84	-123.50	-2,880.35	-6,428.16	4,815.66	4,727.91	87.75	54.877	
10,600.00	7,245.26	8,175.38	7,266.28	93.93	38.84	-124.05	-2,880.08	-6,428.16	4,715.66	4,627.90	87.77	53.729	
10,700.00	7,245.84	8,175.11	7,266.28	96.46	38.83	-124.63	-2,879.81	-6,428.16	4,615.66	4,527.88	87.78	52.582	
10,800.00	7,246.42	8,174.84	7,266.28	99.01	38.83	-125.22	-2,879.54	-6,428.16	4,515.66	4,427.87	87.80	51.434	
10,900.00	7,247.01	8,174.57	7,266.28	101.58	38.83	-125.82	-2,879.27	-6,428.16	4,415.66	4,327.85	87.81	50.286	
11,000.00	7,247.59	8,174.30	7,266.28	104.16	38.83	-126.45	-2,879.00	-6,428.16	4,315.67	4,227.84	87.83	49.138	
11,100.00	7,248.17	8,174.03	7,266.28	106.76	38.82	-127.09	-2,878.72	-6,428.16	4,215.67	4,127.82	87.84	47.990	
11,200.00	7,248.75	8,173.76	7,266.28	109.37	38.82	-127.75	-2,878.45	-6,428.16	4,115.67	4,027.80	87.86	46.842	
11,300.00	7,249.33	8,173.49	7,266.28	112.00	38.82	-128.44	-2,878.18	-6,428.16	4,015.67	3,927.79	87.88	45.694	
11,400.00	7,249.91	8,173.21	7,266.28	114.64	38.81	-129.14	-2,877.91	-6,428.16	3,915.67	3,827.77	87.90	44.547	
11,500.00	7,250.49	8,172.94	7,266.28	117.29	38.81	-129.87	-2,877.64	-6,428.16	3,815.67	3,727.75	87.92	43.399	
11,600.00	7,251.07	8,172.67	7,266.28	119.95	38.81	-130.62	-2,877.37	-6,428.16	3,715.67	3,627.73	87.94	42.252	
11,700.00	7,251.65	8,172.40	7,266.28	122.62	38.80	-131.39	-2,877.10	-6,428.16	3,615.67	3,527.71	87.96	41.105	
11,800.00	7,252.23	8,172.13	7,266.28	125.30	38.80	-132.19	-2,876.83	-6,428.16	3,515.67	3,427.68	87.99	39.958	
11,900.00	7,252.82	8,171.86	7,266.28	127.98	38.80	-133.01	-2,876.56	-6,428.16	3,415.67	3,327.66	88.01	38.811	
12,000.00	7,253.40	8,171.59	7,266.28	130.68	38.79	-133.86	-2,876.29	-6,428.16	3,315.67	3,227.64	88.03	37.664	
12,100.00	7,253.98	8,171.32	7,266.28	133.38	38.79	-134.74	-2,876.02	-6,428.16	3,215.67	3,127.62	88.06	36.518	
12,200.00	7,254.56	8,171.05	7,266.28	136.09	38.79	-135.65	-2,875.75	-6,428.16	3,115.67	3,027.59	88.08	35.372	
12,300.00	7,255.14	8,170.78	7,266.28	138.81	38.78	-136.58	-2,875.48	-6,428.16	3,015.67	2,927.56	88.11	34.227	
12,400.00	7,255.72	8,170.51	7,266.28	141.53	38.78	-137.54	-2,875.21	-6,428.16	2,915.67	2,827.54	88.14	33.082	
12,500.00	7,256.30	8,170.24	7,266.28	144.26	38.78	-138.54	-2,874.94	-6,428.16	2,815.68	2,727.51	88.16	31.937	
12,600.00	7,256.88	8,169.97	7,266.28	146.99	38.77	-139.56	-2,874.66	-6,428.16	2,715.68	2,627.48	88.19	30.793	
12,700.00	7,257.46	8,169.70	7,266.28	149.73	38.77	-140.62	-2,874.39	-6,428.16	2,615.68	2,527.46	88.22	29.649	
12,800.00	7,258.04	8,169.43	7,266.28	152.47	38.77	-141.71	-2,874.12	-6,428.16	2,515.68	2,427.43	88.25	28.506	
12,900.00	7,258.63	8,169.15	7,266.28	155.22	38.76	-142.84	-2,873.85	-6,428.16	2,415.68	2,327.40	88.28	27.363	
13,000.00	7,259.21	8,168.88	7,266.28	157.97	38.76	-144.00	-2,873.58	-6,428.16	2,315.68	2,227.36	88.32	26.221	
13,100.00	7,259.79	8,168.61	7,266.28	160.72	38.76	-145.19	-2,873.31	-6,428.16	2,215.68	2,127.33	88.35	25.079	
13,200.00	7,260.37	8,168.34	7,266.27	163.48	38.75	-146.43	-2,873.04	-6,428.16	2,115.68	2,027.30	88.38	23.938	
13,300.00	7,260.95	8,168.07	7,266.27	166.24	38.75	-147.69	-2,872.77	-6,428.16	2,015.68	1,927.27	88.42	22.798	
13,400.00	7,261.53	8,167.80	7,266.27	169.01	38.75	-149.00	-2,872.50	-6,428.16	1,915.68	1,827.23	88.45	21.658	
13,480.77	7,262.00	8,167.58	7,266.27	171.24	38.74	-150.08	-2,872.28	-6,428.16	1,834.91	1,746.43	88.48	20.738	CC, ES, SF

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	15.00	-15.00	3.28	3.28	-109.40	-1,972.81	-5,600.54	5,937.85				
100.00	100.00	85.00	85.00	3.28	3.29	-109.40	-1,972.81	-5,600.54	5,937.85	5,931.28	6.57	903.782	
200.00	200.00	185.00	185.00	3.34	3.31	-109.40	-1,972.81	-5,600.54	5,937.85	5,931.21	6.64	893.976	
300.00	300.00	285.00	285.00	3.44	3.34	-109.40	-1,972.81	-5,600.54	5,937.85	5,931.06	6.78	875.273	
400.00	399.98	384.98	384.98	3.60	3.39	95.49	-1,972.81	-5,600.54	5,938.02	5,931.03	6.98	850.403	
500.00	499.84	484.84	484.84	3.79	3.45	95.53	-1,972.81	-5,600.54	5,938.52	5,931.29	7.23	821.025	
600.00	599.45	584.45	584.45	4.02	3.52	95.60	-1,972.81	-5,600.54	5,939.37	5,931.83	7.54	787.898	
700.00	698.70	683.70	683.70	4.29	3.61	95.69	-1,972.81	-5,600.54	5,940.57	5,932.68	7.89	752.581	
800.00	797.47	782.47	782.47	4.59	3.70	95.80	-1,972.81	-5,600.54	5,942.16	5,933.86	8.30	716.319	
900.00	895.62	880.62	880.62	4.93	3.81	95.94	-1,972.81	-5,600.54	5,944.15	5,935.41	8.74	680.040	
1,000.00	993.06	1,609.93	1,589.55	5.31	5.00	97.55	-1,967.05	-5,592.77	5,968.77	5,958.46	10.31	578.883	
1,100.00	1,089.64	1,685.54	1,684.46	5.72	5.26	97.95	-1,960.94	-5,584.51	5,961.78	5,950.82	10.97	543.703	
1,200.00	1,185.27	1,779.97	1,778.35	6.16	5.60	98.37	-1,954.89	-5,576.34	5,955.43	5,943.70	11.73	507.711	
1,300.00	1,279.82	1,873.26	1,871.10	6.64	5.96	98.81	-1,948.92	-5,568.27	5,949.78	5,937.24	12.54	474.592	
1,400.00	1,373.17	1,965.30	1,962.59	7.15	6.32	99.25	-1,943.02	-5,560.31	5,944.90	5,931.51	13.39	444.006	
1,500.00	1,465.21	2,055.96	2,052.73	7.70	6.68	99.70	-1,937.21	-5,552.47	5,940.85	5,926.56	14.28	415.942	
1,600.00	1,555.84	2,145.14	2,141.39	8.30	7.05	100.15	-1,931.50	-5,544.75	5,937.70	5,922.49	15.22	390.174	
1,651.50	1,601.92	2,209.54	2,186.45	8.62	7.32	100.38	-1,928.60	-5,540.83	5,936.46	5,920.67	15.79	375.973	
1,700.00	1,645.13	2,232.93	2,228.67	8.93	7.42	100.58	-1,925.88	-5,537.16	5,935.47	5,919.28	16.19	366.617	
1,800.00	1,734.20	2,320.50	2,315.74	9.58	7.80	100.98	-1,920.27	-5,529.58	5,933.71	5,916.51	17.19	345.156	
1,900.00	1,823.28	2,408.07	2,402.80	10.25	8.18	101.39	-1,914.66	-5,522.01	5,932.34	5,914.12	18.21	325.724	
2,000.00	1,912.36	2,504.35	2,489.86	10.94	8.60	101.80	-1,909.05	-5,514.43	5,931.36	5,912.07	19.29	307.542	
2,100.00	2,001.43	2,583.22	2,576.93	11.63	8.95	102.21	-1,903.44	-5,506.86	5,930.77	5,910.47	20.30	292.130	
2,198.68	2,089.33	2,669.63	2,662.84	12.33	9.34	102.61	-1,897.91	-5,499.38	5,930.58	5,909.23	21.35	277.776	
2,200.00	2,090.51	2,670.79	2,663.99	12.34	9.35	102.62	-1,897.84	-5,499.28	5,930.58	5,909.22	21.36	277.593	
2,300.00	2,179.59	2,758.37	2,751.06	13.05	9.74	103.03	-1,892.23	-5,491.70	5,930.78	5,908.35	22.44	264.340	
2,400.00	2,268.66	2,845.94	2,838.12	13.76	10.14	103.43	-1,886.62	-5,484.13	5,931.38	5,907.86	23.52	252.229	
2,500.00	2,357.74	2,933.51	2,925.18	14.49	10.54	103.84	-1,881.01	-5,476.55	5,932.37	5,907.76	24.60	241.132	
2,600.00	2,446.82	3,021.08	3,012.25	15.21	10.94	104.25	-1,875.40	-5,468.98	5,933.75	5,908.05	25.69	230.939	
2,700.00	2,535.89	3,108.66	3,099.31	15.95	11.35	104.66	-1,869.79	-5,461.40	5,935.52	5,908.73	26.79	221.554	
2,800.00	2,624.97	3,203.77	3,186.38	16.68	11.79	105.07	-1,864.18	-5,453.83	5,937.68	5,909.76	27.92	212.642	
2,900.00	2,714.05	3,283.80	3,273.44	17.42	12.16	105.47	-1,858.57	-5,446.25	5,940.24	5,911.25	28.99	204.875	
3,000.00	2,803.12	3,371.38	3,360.51	18.16	12.57	105.88	-1,852.96	-5,438.68	5,943.19	5,913.09	30.10	197.443	
3,100.00	2,892.20	3,458.95	3,447.57	18.90	12.98	106.29	-1,847.36	-5,431.10	5,946.53	5,915.32	31.21	190.537	
3,200.00	2,981.28	3,546.52	3,534.63	19.65	13.39	106.70	-1,841.75	-5,423.52	5,950.25	5,917.94	32.32	184.107	
3,300.00	3,070.36	3,634.09	3,621.70	20.40	13.80	107.10	-1,836.14	-5,415.95	5,954.37	5,920.94	33.43	178.108	
3,400.00	3,159.43	3,721.67	3,708.76	21.14	14.21	107.51	-1,830.53	-5,408.37	5,958.88	5,924.33	34.54	172.501	
3,500.00	3,248.51	3,809.24	3,795.83	21.89	14.63	107.91	-1,824.92	-5,400.80	5,963.77	5,928.11	35.66	167.251	
3,600.00	3,337.59	3,903.19	3,882.89	22.65	15.07	108.32	-1,819.31	-5,393.22	5,969.05	5,932.25	36.80	162.203	
3,700.00	3,426.66	3,984.38	3,969.95	23.40	15.46	108.72	-1,813.70	-5,385.65	5,974.71	5,936.83	37.89	157.703	
3,800.00	3,515.74	4,071.96	4,057.02	24.15	15.87	109.13	-1,808.09	-5,378.07	5,980.76	5,941.76	39.00	153.352	
3,900.00	3,604.82	4,159.53	4,144.08	24.91	16.29	109.53	-1,802.49	-5,370.50	5,987.20	5,947.08	40.11	149.253	
4,000.00	3,693.89	4,247.10	4,231.15	25.66	16.71	109.93	-1,796.88	-5,362.92	5,994.01	5,952.78	41.23	145.386	
4,100.00	3,782.97	4,334.68	4,318.21	26.42	17.13	110.33	-1,791.27	-5,355.34	6,001.21	5,958.86	42.34	141.733	
4,200.00	3,872.05	4,422.25	4,405.27	27.18	17.54	110.73	-1,785.66	-5,347.77	6,008.78	5,965.33	43.45	138.278	
4,300.00	3,961.12	4,509.82	4,492.34	27.94	17.96	111.13	-1,780.05	-5,340.19	6,016.73	5,972.17	44.57	135.006	
4,400.00	4,050.20	4,602.61	4,579.40	28.69	18.41	111.53	-1,774.44	-5,332.62	6,025.06	5,979.36	45.70	131.838	
4,500.00	4,139.28	4,684.97	4,666.47	29.45	18.80	111.93	-1,768.83	-5,325.04	6,033.77	5,986.98	46.79	128.962	
4,600.00	4,228.35	4,772.54	4,753.53	30.21	19.22	112.33	-1,763.22	-5,317.47	6,042.84	5,994.95	47.90	126.166	
4,700.00	4,317.43	4,860.11	4,840.59	30.97	19.64	112.72	-1,757.61	-5,309.89	6,052.29	6,003.29	49.00	123.508	
4,800.00	4,406.51	4,947.69	4,927.66	31.73	20.06	113.12	-1,752.01	-5,302.32	6,062.11	6,012.00	50.11	120.977	
4,900.00	4,495.59	5,035.26	5,014.72	32.50	20.48	113.51	-1,746.40	-5,294.74	6,072.30	6,021.08	51.21	118.567	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	5,122.83	5,101.79	33.26	20.90	113.91	-1,740.79	-5,287.17	6,082.85	6,030.53	52.32	116.268	
5,100.00	4,673.74	5,210.40	5,188.85	34.02	21.32	114.30	-1,735.18	-5,279.59	6,093.77	6,040.35	53.42	114.075	
5,200.00	4,762.82	5,302.02	5,275.91	34.78	21.77	114.69	-1,729.57	-5,272.01	6,105.04	6,050.51	54.54	111.943	
5,300.00	4,851.89	5,385.55	5,362.98	35.54	22.17	115.08	-1,723.96	-5,264.44	6,116.68	6,061.07	55.62	109.979	
5,400.00	4,940.97	5,473.12	5,450.04	36.31	22.59	115.47	-1,718.35	-5,256.86	6,128.68	6,071.97	56.71	108.065	
5,500.00	5,030.05	5,560.69	5,537.11	37.07	23.01	115.86	-1,712.74	-5,249.29	6,141.04	6,083.23	57.81	106.233	
5,600.00	5,119.12	5,648.27	5,624.17	37.83	23.43	116.24	-1,707.13	-5,241.71	6,153.74	6,094.84	58.90	104.478	
5,700.00	5,208.20	5,716.15	5,691.66	38.60	23.76	116.54	-1,702.79	-5,235.84	6,166.83	6,106.94	59.90	102.957	
5,800.00	5,297.28	5,756.27	5,731.57	39.36	23.95	116.72	-1,700.38	-5,232.59	6,180.79	6,120.04	60.76	101.732	
5,900.00	5,386.35	5,800.00	5,775.14	40.13	24.16	116.90	-1,698.14	-5,229.57	6,195.91	6,134.28	61.62	100.542	
6,000.00	5,475.43	5,800.00	5,775.14	40.89	24.16	116.90	-1,698.14	-5,229.57	6,212.18	6,149.92	62.27	99.763	
6,100.00	5,564.51	5,855.45	5,830.46	41.66	24.40	117.13	-1,695.87	-5,226.50	6,229.37	6,166.19	63.17	98.607	
6,200.00	5,653.58	5,900.00	5,874.95	42.42	24.60	117.32	-1,694.51	-5,224.66	6,247.77	6,183.75	64.02	97.594	
6,300.00	5,742.66	5,900.00	5,874.95	43.19	24.60	117.32	-1,694.51	-5,224.66	6,267.28	6,202.66	64.62	96.979	
6,400.00	5,831.74	5,955.77	5,930.68	43.95	24.84	117.54	-1,693.38	-5,223.14	6,287.68	6,222.18	65.50	95.990	
6,500.00	5,920.82	6,000.00	5,974.91	44.72	25.02	117.71	-1,692.95	-5,222.55	6,309.25	6,242.93	66.32	95.139	
6,600.00	6,009.89	6,030.20	5,994.89	45.48	25.14	117.78	-1,692.88	-5,222.46	6,331.80	6,264.77	67.03	94.459	
6,700.00	6,098.97	6,109.06	6,083.97	46.25	25.45	118.11	-1,692.88	-5,222.46	6,355.06	6,287.04	68.02	93.432	
6,800.00	6,188.05	6,198.14	6,173.05	47.01	25.81	118.44	-1,692.88	-5,222.46	6,378.55	6,309.51	69.04	92.385	
6,900.00	6,277.12	6,287.21	6,262.12	47.78	26.16	118.77	-1,692.88	-5,222.46	6,402.28	6,332.21	70.07	91.374	
7,000.00	6,366.20	7,603.35	7,102.33	48.55	31.27	115.26	-2,489.92	-5,222.59	6,420.96	6,342.93	78.03	82.293	
7,100.00	6,455.28	7,637.65	7,102.22	49.31	31.61	114.93	-2,530.91	-5,222.60	6,430.16	6,351.05	79.11	81.285	
7,197.64	6,542.25	7,677.67	7,102.12	50.06	32.01	114.60	-2,570.94	-5,222.60	6,440.38	6,360.17	80.21	80.292	
7,200.00	6,544.35	7,678.64	7,102.11	50.08	32.02	114.21	-2,571.90	-5,222.60	6,440.64	6,360.40	80.24	80.268	
7,250.00	6,589.22	7,700.73	7,102.06	50.44	32.25	105.34	-2,592.54	-5,222.61	6,444.22	6,363.41	80.80	79.751	
7,300.00	6,634.48	7,720.07	7,102.01	50.77	32.46	95.71	-2,613.34	-5,222.61	6,444.20	6,362.86	81.34	79.230	
7,350.00	6,679.86	7,740.90	7,101.95	51.06	32.69	85.83	-2,634.17	-5,222.61	6,440.57	6,358.72	81.85	78.689	
7,400.00	6,725.09	7,761.64	7,101.90	51.31	32.92	76.30	-2,654.91	-5,222.62	6,433.37	6,351.04	82.32	78.150	
7,450.00	6,769.87	7,782.16	7,101.84	51.52	33.15	67.59	-2,675.42	-5,222.62	6,422.61	6,339.86	82.75	77.616	
7,500.00	6,813.94	7,802.33	7,101.79	51.69	33.38	59.98	-2,695.60	-5,222.62	6,408.35	6,325.22	83.13	77.087	
7,550.00	6,857.03	7,822.03	7,101.74	51.84	33.61	53.50	-2,715.29	-5,222.63	6,390.66	6,307.18	83.49	76.548	
7,600.00	6,898.86	7,841.13	7,101.69	51.95	33.84	48.08	-2,734.40	-5,222.63	6,369.63	6,285.83	83.80	76.014	
7,650.00	6,939.19	7,859.53	7,101.64	52.05	34.07	43.57	-2,752.79	-5,222.63	6,345.35	6,261.29	84.06	75.483	
7,700.00	6,977.75	7,877.09	7,101.59	52.13	34.28	39.81	-2,770.36	-5,222.63	6,317.95	6,233.66	84.29	74.952	
7,750.00	7,014.32	7,906.27	7,101.55	52.20	34.64	36.68	-2,787.00	-5,222.64	6,287.57	6,202.93	84.64	74.283	
7,800.00	7,048.67	7,909.33	7,101.51	52.26	34.68	34.05	-2,802.60	-5,222.64	6,254.36	6,169.70	84.66	73.877	
7,850.00	7,080.59	7,923.80	7,101.47	52.33	34.86	31.84	-2,817.07	-5,222.64	6,218.48	6,133.67	84.81	73.324	
7,900.00	7,109.87	7,937.05	7,101.44	52.39	35.03	29.95	-2,830.31	-5,222.64	6,180.12	6,095.19	84.93	72.767	
7,950.00	7,136.35	7,948.99	7,101.41	52.47	35.19	28.33	-2,842.26	-5,222.65	6,139.49	6,054.46	85.03	72.204	
8,000.00	7,159.85	7,959.56	7,101.38	52.55	35.33	26.92	-2,852.83	-5,222.65	6,096.79	6,011.69	85.11	71.636	
8,050.00	7,180.23	7,968.69	7,101.36	52.64	35.44	25.66	-2,861.96	-5,222.65	6,052.27	5,967.10	85.17	71.061	
8,100.00	7,197.37	7,976.32	7,101.34	52.75	35.54	24.48	-2,869.59	-5,222.65	6,006.15	5,920.94	85.21	70.482	
8,150.00	7,211.16	7,982.41	7,101.32	52.88	35.62	23.27	-2,875.67	-5,222.65	5,958.70	5,873.46	85.25	69.899	
8,200.00	7,221.51	7,986.91	7,101.31	53.03	35.68	21.79	-2,880.17	-5,222.65	5,910.19	5,824.92	85.27	69.314	
8,250.00	7,228.37	7,989.80	7,101.30	53.20	35.72	19.25	-2,883.07	-5,222.65	5,860.90	5,775.62	85.28	68.728	
8,300.00	7,231.68	8,008.93	7,101.30	53.40	35.97	10.20	-2,884.33	-5,222.65	5,811.11	5,725.59	85.52	67.953	
8,317.45	7,232.00	8,008.88	7,101.30	53.47	35.97	-5.32	-2,884.39	-5,222.65	5,793.67	5,708.16	85.51	67.751	
8,400.00	7,232.48	8,009.08	7,101.30	53.86	35.97	-5.25	-2,884.19	-5,222.65	5,711.15	5,625.64	85.51	66.789	
8,500.00	7,233.06	8,009.33	7,101.30	54.44	35.98	-5.15	-2,883.94	-5,222.65	5,611.19	5,525.68	85.51	65.624	
8,600.00	7,233.64	8,009.57	7,101.30	55.14	35.98	-5.06	-2,883.69	-5,222.65	5,511.22	5,425.72	85.50	64.458	
8,700.00	7,234.22	8,009.82	7,101.30	55.99	35.99	-4.96	-2,883.44	-5,222.65	5,411.26	5,325.76	85.50	63.291	
8,800.00	7,234.80	7,989.93	7,101.30	57.00	35.72	-4.87	-2,883.20	-5,222.65	5,311.30	5,226.07	85.23	62.320	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,989.68	7,101.30	58.18	35.72	-4.78	-2,882.95	-5,222.65	5,211.34	5,126.12	85.22	61.154	
9,000.00	7,235.97	7,989.44	7,101.30	59.53	35.71	-4.68	-2,882.70	-5,222.65	5,111.38	5,026.17	85.21	59.987	
9,100.00	7,236.55	7,989.19	7,101.30	61.04	35.71	-4.59	-2,882.46	-5,222.65	5,011.43	4,926.23	85.20	58.820	
9,200.00	7,237.13	7,988.94	7,101.30	62.69	35.71	-4.49	-2,882.21	-5,222.65	4,911.47	4,826.28	85.19	57.653	
9,300.00	7,237.71	7,988.70	7,101.30	64.47	35.70	-4.40	-2,881.96	-5,222.65	4,811.52	4,726.34	85.18	56.485	
9,400.00	7,238.29	7,988.45	7,101.30	66.36	35.70	-4.31	-2,881.71	-5,222.65	4,711.57	4,626.39	85.17	55.316	
9,500.00	7,238.87	7,988.20	7,101.30	68.34	35.70	-4.21	-2,881.47	-5,222.65	4,611.62	4,526.45	85.17	54.148	
9,600.00	7,239.45	7,987.96	7,101.30	70.41	35.69	-4.12	-2,881.22	-5,222.65	4,511.67	4,426.51	85.16	52.979	
9,700.00	7,240.03	7,987.71	7,101.31	72.55	35.69	-4.02	-2,880.97	-5,222.65	4,411.73	4,326.58	85.15	51.809	
9,800.00	7,240.61	7,987.46	7,101.31	74.76	35.69	-3.93	-2,880.73	-5,222.65	4,311.79	4,226.64	85.15	50.640	
9,900.00	7,241.20	7,987.21	7,101.31	77.02	35.68	-3.83	-2,880.48	-5,222.65	4,211.85	4,126.71	85.14	49.470	
10,000.00	7,241.78	7,986.97	7,101.31	79.33	35.68	-3.74	-2,880.23	-5,222.65	4,111.92	4,026.78	85.13	48.300	
10,100.00	7,242.36	7,986.72	7,101.31	81.68	35.68	-3.65	-2,879.99	-5,222.65	4,011.98	3,926.86	85.13	47.130	
10,200.00	7,242.94	7,986.47	7,101.31	84.07	35.67	-3.55	-2,879.74	-5,222.65	3,912.06	3,826.94	85.12	45.960	
10,300.00	7,243.52	7,986.23	7,101.31	86.49	35.67	-3.46	-2,879.49	-5,222.65	3,812.13	3,727.02	85.11	44.790	
10,400.00	7,244.10	7,985.98	7,101.31	88.95	35.67	-3.36	-2,879.24	-5,222.65	3,712.21	3,627.10	85.10	43.619	
10,500.00	7,244.68	7,985.73	7,101.31	91.43	35.66	-3.27	-2,879.00	-5,222.65	3,612.29	3,527.20	85.10	42.449	
10,600.00	7,245.26	7,985.49	7,101.31	93.93	35.66	-3.17	-2,878.75	-5,222.65	3,512.38	3,427.29	85.09	41.279	
10,700.00	7,245.84	7,985.24	7,101.31	96.46	35.66	-3.08	-2,878.50	-5,222.65	3,412.47	3,327.39	85.08	40.108	
10,800.00	7,246.42	7,984.99	7,101.31	99.01	35.66	-2.98	-2,878.26	-5,222.65	3,312.57	3,227.50	85.07	38.938	
10,900.00	7,247.01	7,984.74	7,101.31	101.58	35.65	-2.89	-2,878.01	-5,222.65	3,212.68	3,127.62	85.06	37.768	
11,000.00	7,247.59	7,984.50	7,101.31	104.16	35.65	-2.80	-2,877.76	-5,222.65	3,112.79	3,027.74	85.05	36.598	
11,100.00	7,248.17	7,984.25	7,101.31	106.76	35.65	-2.70	-2,877.52	-5,222.65	3,012.91	2,927.87	85.04	35.429	
11,200.00	7,248.75	7,984.00	7,101.32	109.37	35.64	-2.61	-2,877.27	-5,222.65	2,913.04	2,828.01	85.03	34.259	
11,300.00	7,249.33	7,983.76	7,101.32	112.00	35.64	-2.51	-2,877.02	-5,222.65	2,813.17	2,728.16	85.02	33.090	
11,400.00	7,249.91	7,983.51	7,101.32	114.64	35.64	-2.42	-2,876.77	-5,222.65	2,713.32	2,628.32	85.00	31.921	
11,500.00	7,250.49	7,983.26	7,101.32	117.29	35.63	-2.32	-2,876.53	-5,222.65	2,613.48	2,528.49	84.99	30.752	
11,600.00	7,251.07	7,983.02	7,101.32	119.95	35.63	-2.23	-2,876.28	-5,222.65	2,513.65	2,428.68	84.97	29.584	
11,700.00	7,251.65	7,982.77	7,101.32	122.62	35.63	-2.13	-2,876.03	-5,222.65	2,413.83	2,328.89	84.95	28.416	
11,800.00	7,252.23	7,982.52	7,101.32	125.30	35.62	-2.04	-2,875.79	-5,222.65	2,314.03	2,229.11	84.92	27.249	
11,900.00	7,252.82	7,982.27	7,101.32	127.98	35.62	-1.94	-2,875.54	-5,222.65	2,214.25	2,129.35	84.90	26.082	
12,000.00	7,253.40	7,982.03	7,101.32	130.68	35.62	-1.85	-2,875.29	-5,222.65	2,114.49	2,029.62	84.87	24.916	
12,100.00	7,253.98	7,981.78	7,101.32	133.38	35.61	-1.75	-2,875.05	-5,222.65	2,014.75	1,929.92	84.83	23.750	
12,200.00	7,254.56	7,981.53	7,101.32	136.09	35.61	-1.66	-2,874.80	-5,222.65	1,915.04	1,830.25	84.79	22.585	
12,300.00	7,255.14	7,981.29	7,101.32	138.81	35.61	-1.57	-2,874.55	-5,222.65	1,815.36	1,730.62	84.75	21.421	
12,400.00	7,255.72	7,981.04	7,101.32	141.53	35.60	-1.47	-2,874.30	-5,222.65	1,715.72	1,631.03	84.69	20.258	
12,500.00	7,256.30	7,980.79	7,101.32	144.26	35.60	-1.38	-2,874.06	-5,222.65	1,616.12	1,531.49	84.64	19.095	
12,600.00	7,256.88	7,980.55	7,101.32	146.99	35.60	-1.28	-2,873.81	-5,222.65	1,516.58	1,432.02	84.57	17.934	
12,700.00	7,257.46	7,980.30	7,101.32	149.73	35.59	-1.19	-2,873.56	-5,222.65	1,417.10	1,332.62	84.48	16.774	
12,800.00	7,258.04	7,980.05	7,101.33	152.47	35.59	-1.09	-2,873.32	-5,222.65	1,317.70	1,233.31	84.39	15.615	
12,900.00	7,258.63	7,979.80	7,101.33	155.22	35.59	-1.00	-2,873.07	-5,222.65	1,218.40	1,134.12	84.28	14.457	
13,000.00	7,259.21	7,979.56	7,101.33	157.97	35.58	-0.90	-2,872.82	-5,222.65	1,119.22	1,035.07	84.14	13.301	
13,100.00	7,259.79	7,979.31	7,101.33	160.72	35.58	-0.81	-2,872.58	-5,222.65	1,020.20	936.21	83.99	12.147	
13,200.00	7,260.37	7,979.06	7,101.33	163.48	35.58	-0.71	-2,872.33	-5,222.65	921.39	837.60	83.79	10.996	
13,300.00	7,260.95	7,978.82	7,101.33	166.24	35.58	-0.62	-2,872.08	-5,222.65	822.88	739.31	83.56	9.847	
13,400.00	7,261.53	7,978.57	7,101.33	169.01	35.57	-0.52	-2,871.83	-5,222.65	724.76	641.48	83.28	8.703	
13,480.77	7,262.00	7,978.37	7,101.33	171.24	35.57	-0.45	-2,871.64	-5,222.65	645.94	562.93	83.00	7.782	CC, ES, SF

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15U-443(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 2000-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	15.00	-15.00	3.28	3.28	-109.31	-1,972.81	-5,631.14	5,966.71				
100.00	100.00	85.00	85.00	3.28	3.29	-109.31	-1,972.81	-5,631.14	5,966.71	5,960.14	6.57	908.175	
200.00	200.00	185.00	185.00	3.34	3.31	-109.31	-1,972.81	-5,631.14	5,966.71	5,960.07	6.64	898.321	
300.00	300.00	285.00	285.00	3.44	3.34	-109.31	-1,972.81	-5,631.14	5,966.71	5,959.93	6.78	879.527	
400.00	399.98	384.98	384.98	3.60	3.39	95.59	-1,972.81	-5,631.14	5,966.88	5,959.90	6.98	854.536	
500.00	499.84	484.84	484.84	3.79	3.45	95.63	-1,972.81	-5,631.14	5,967.39	5,960.16	7.23	825.016	
600.00	599.45	584.45	584.45	4.02	3.52	95.69	-1,972.81	-5,631.14	5,968.26	5,960.72	7.54	791.730	
700.00	698.70	683.70	683.70	4.29	3.61	95.78	-1,972.81	-5,631.14	5,969.48	5,961.59	7.89	756.243	
800.00	797.47	782.47	782.47	4.59	3.70	95.90	-1,972.81	-5,631.14	5,971.10	5,962.80	8.30	719.806	
900.00	895.62	880.62	880.62	4.93	3.81	96.04	-1,972.81	-5,631.14	5,973.12	5,964.37	8.74	683.353	
1,000.00	993.06	978.06	978.06	5.31	3.92	96.20	-1,972.81	-5,631.14	5,975.58	5,966.35	9.23	647.543	
1,100.00	1,089.64	1,074.64	1,074.64	5.72	4.04	96.38	-1,972.81	-5,631.14	5,978.51	5,968.75	9.76	612.814	
1,200.00	1,185.27	1,170.27	1,170.27	6.16	4.17	96.57	-1,972.81	-5,631.14	5,981.96	5,971.63	10.32	579.445	
1,300.00	1,279.82	1,264.82	1,264.82	6.64	4.30	96.79	-1,972.81	-5,631.14	5,985.96	5,975.03	10.93	547.594	
1,400.00	1,373.17	1,358.17	1,358.17	7.15	4.43	97.01	-1,972.81	-5,631.14	5,990.57	5,978.99	11.58	517.340	
1,500.00	1,465.21	1,450.21	1,450.21	7.70	4.57	97.25	-1,972.81	-5,631.14	5,995.83	5,983.56	12.27	488.710	
1,600.00	1,555.84	1,540.84	1,540.84	8.30	4.71	97.50	-1,972.81	-5,631.14	6,001.81	5,988.81	13.00	461.693	
1,651.50	1,601.92	1,586.92	1,586.92	8.62	4.78	97.62	-1,972.81	-5,631.14	6,005.18	5,991.79	13.39	448.450	
1,700.00	1,645.13	1,630.13	1,630.13	8.93	4.85	97.81	-1,972.81	-5,631.14	6,008.50	5,994.73	13.77	436.423	
1,800.00	1,734.20	1,719.20	1,719.20	9.58	5.00	98.19	-1,972.81	-5,631.14	6,015.58	6,001.02	14.56	413.060	
1,900.00	1,823.28	1,808.28	1,808.28	10.25	5.15	98.57	-1,972.81	-5,631.14	6,023.00	6,007.62	15.38	391.672	
2,000.00	1,912.36	1,897.36	1,897.36	10.94	5.30	98.96	-1,972.81	-5,631.14	6,030.75	6,014.54	16.21	372.111	
2,100.00	2,001.43	1,986.43	1,986.43	11.63	5.45	99.34	-1,972.81	-5,631.14	6,038.83	6,021.78	17.05	354.215	
2,200.00	2,090.51	2,086.62	2,086.61	12.34	5.79	99.78	-1,971.52	-5,631.37	6,047.18	6,029.10	18.08	334.545	
2,300.00	2,179.59	2,185.33	2,185.20	13.05	6.15	100.23	-1,966.91	-5,632.23	6,055.71	6,036.57	19.14	316.427	
2,400.00	2,268.66	2,280.26	2,279.81	13.76	6.51	100.70	-1,959.34	-5,633.63	6,064.50	6,044.30	20.20	300.222	
2,500.00	2,357.74	2,364.47	2,363.62	14.49	6.83	101.13	-1,951.31	-5,635.12	6,073.69	6,052.45	21.23	286.028	
2,600.00	2,446.82	2,448.85	2,447.61	15.21	7.16	101.55	-1,943.25	-5,636.62	6,083.33	6,061.05	22.28	273.040	
2,700.00	2,535.89	2,533.24	2,531.60	15.95	7.51	101.97	-1,935.20	-5,638.11	6,093.43	6,070.10	23.33	261.138	
2,800.00	2,624.97	2,617.62	2,615.59	16.68	7.85	102.39	-1,927.15	-5,639.60	6,103.99	6,079.59	24.40	250.209	
2,900.00	2,714.05	2,702.01	2,699.57	17.42	8.20	102.81	-1,919.10	-5,641.10	6,114.99	6,089.53	25.46	240.151	
3,000.00	2,803.12	2,786.39	2,783.56	18.16	8.56	103.23	-1,911.05	-5,642.59	6,126.45	6,099.92	26.54	230.874	
3,100.00	2,892.20	2,870.78	2,867.55	18.90	8.92	103.65	-1,903.00	-5,644.08	6,138.36	6,110.75	27.61	222.302	
3,200.00	2,981.28	2,955.16	2,951.53	19.65	9.28	104.07	-1,894.95	-5,645.58	6,150.71	6,122.02	28.69	214.365	
3,300.00	3,070.36	3,039.55	3,035.52	20.40	9.65	104.49	-1,886.90	-5,647.07	6,163.51	6,133.73	29.78	207.000	
3,400.00	3,159.43	3,123.93	3,119.51	21.14	10.02	104.90	-1,878.85	-5,648.56	6,176.74	6,145.88	30.86	200.154	
3,500.00	3,248.51	3,208.32	3,203.49	21.89	10.39	105.31	-1,870.80	-5,650.06	6,190.41	6,158.46	31.95	193.778	
3,600.00	3,337.59	3,307.29	3,287.48	22.65	10.83	105.73	-1,862.75	-5,651.55	6,204.51	6,171.42	33.10	187.460	
3,700.00	3,426.66	3,377.09	3,371.47	23.40	11.14	106.14	-1,854.70	-5,653.04	6,219.05	6,184.93	34.12	182.268	
3,800.00	3,515.74	3,461.48	3,455.46	24.15	11.52	106.55	-1,846.65	-5,654.53	6,234.01	6,198.80	35.21	177.061	
3,900.00	3,604.82	3,545.86	3,539.44	24.91	11.90	106.95	-1,838.60	-5,656.03	6,249.40	6,213.10	36.30	172.180	
4,000.00	3,693.89	3,630.25	3,623.43	25.66	12.28	107.36	-1,830.55	-5,657.52	6,265.21	6,227.83	37.38	167.595	
4,100.00	3,782.97	3,714.63	3,707.42	26.42	12.67	107.76	-1,822.50	-5,659.01	6,281.44	6,242.97	38.47	163.284	
4,200.00	3,872.05	3,800.98	3,791.40	27.18	13.06	108.17	-1,814.45	-5,660.51	6,298.08	6,258.52	39.56	159.187	
4,300.00	3,961.12	3,883.40	3,875.39	27.94	13.44	108.57	-1,806.40	-5,662.00	6,315.14	6,274.50	40.64	155.394	
4,400.00	4,050.20	3,967.79	3,959.38	28.69	13.82	108.97	-1,798.35	-5,663.49	6,332.60	6,290.88	41.72	151.778	
4,500.00	4,139.28	4,052.17	4,043.36	29.45	14.21	109.37	-1,790.30	-5,664.99	6,350.47	6,307.67	42.80	148.361	
4,600.00	4,228.35	4,136.56	4,127.35	30.21	14.60	109.77	-1,782.25	-5,666.48	6,368.74	6,324.86	43.88	145.126	
4,700.00	4,317.43	4,220.94	4,211.34	30.97	14.99	110.16	-1,774.20	-5,667.97	6,387.41	6,342.45	44.96	142.061	
4,800.00	4,406.51	4,305.33	4,295.33	31.73	15.37	110.55	-1,766.15	-5,669.47	6,406.48	6,360.44	46.04	139.154	
4,900.00	4,495.59	4,389.71	4,379.31	32.50	15.76	110.95	-1,758.10	-5,670.96	6,425.94	6,378.82	47.11	136.394	
5,000.00	4,584.66	4,474.10	4,463.30	33.26	16.16	111.34	-1,750.05	-5,672.45	6,445.78	6,397.60	48.19	133.771	

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15U-443(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 2000-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,558.48	4,547.29	34.02	16.55	111.72	-1,742.00	-5,673.95	6,466.01	6,416.76	49.25	131.276	
5,200.00	4,762.82	4,642.87	4,631.27	34.78	16.94	112.11	-1,733.95	-5,675.44	6,486.62	6,436.30	50.32	128.901	
5,300.00	4,851.89	4,727.25	4,715.26	35.54	17.33	112.49	-1,725.90	-5,676.93	6,507.61	6,456.22	51.39	126.638	
5,400.00	4,940.97	4,811.64	4,799.25	36.31	17.72	112.88	-1,717.85	-5,678.43	6,528.97	6,476.52	52.45	124.479	
5,500.00	5,030.05	4,896.02	4,883.23	37.07	18.12	113.26	-1,709.80	-5,679.92	6,550.70	6,497.19	53.51	122.419	
5,600.00	5,119.12	5,024.45	5,011.17	37.83	18.71	113.82	-1,698.91	-5,681.94	6,572.64	6,517.85	54.79	119.954	
5,700.00	5,208.20	5,199.58	5,186.17	38.60	19.46	114.52	-1,692.82	-5,683.07	6,593.93	6,537.65	56.28	117.167	
5,800.00	5,297.28	5,295.69	5,282.28	39.36	19.86	114.87	-1,692.79	-5,683.07	6,614.79	6,557.43	57.36	115.323	
5,900.00	5,386.35	5,384.76	5,371.35	40.13	20.23	115.19	-1,692.79	-5,683.07	6,635.89	6,577.48	58.40	113.620	
6,000.00	5,475.43	5,473.84	5,460.43	40.89	20.60	115.52	-1,692.79	-5,683.07	6,657.23	6,597.79	59.45	111.985	
6,100.00	5,564.51	5,562.92	5,549.51	41.66	20.97	115.84	-1,692.79	-5,683.07	6,678.82	6,618.33	60.49	110.413	
6,200.00	5,653.58	5,652.00	5,638.58	42.42	21.35	116.16	-1,692.79	-5,683.07	6,700.64	6,639.11	61.53	108.902	
6,300.00	5,742.66	5,741.07	5,727.66	43.19	21.72	116.48	-1,692.79	-5,683.07	6,722.70	6,660.14	62.57	107.448	
6,400.00	5,831.74	5,830.15	5,816.74	43.95	22.09	116.79	-1,692.79	-5,683.07	6,745.00	6,681.39	63.60	106.048	
6,500.00	5,920.82	5,919.23	5,905.82	44.72	22.46	117.11	-1,692.79	-5,683.07	6,767.52	6,702.89	64.64	104.700	
6,600.00	6,009.89	6,008.30	5,994.89	45.48	22.83	117.42	-1,692.79	-5,683.07	6,790.28	6,724.61	65.67	103.400	
6,700.00	6,098.97	6,097.38	6,083.97	46.25	23.20	117.73	-1,692.79	-5,683.07	6,813.26	6,746.56	66.70	102.147	
6,800.00	6,188.05	6,186.46	6,173.05	47.01	23.58	118.04	-1,692.79	-5,683.07	6,836.47	6,768.74	67.73	100.939	
6,900.00	6,277.12	6,275.53	6,262.12	47.78	23.95	118.34	-1,692.79	-5,683.07	6,859.90	6,791.15	68.76	99.772	
7,000.00	6,366.20	6,364.61	6,351.20	48.55	24.32	118.65	-1,692.79	-5,683.07	6,883.55	6,813.77	69.78	98.646	
7,100.00	6,455.28	7,694.40	7,259.14	49.31	30.08	115.95	-2,445.31	-5,682.94	6,905.59	6,828.12	77.47	89.142	
7,197.64	6,542.25	7,197.64	7,265.92	50.06	26.80	115.07	-2,564.93	-5,682.92	6,914.56	6,841.31	73.25	94.400	
7,200.00	6,544.35	7,200.00	7,265.93	50.08	26.80	114.68	-2,565.92	-5,682.92	6,914.78	6,841.49	73.29	94.349	
7,250.00	6,589.22	7,841.97	7,265.98	50.44	31.54	105.77	-2,592.63	-5,682.92	6,917.55	6,837.39	80.16	86.297	
7,300.00	6,634.48	7,862.94	7,266.00	50.77	31.77	96.16	-2,613.60	-5,682.91	6,916.69	6,835.96	80.73	85.677	
7,350.00	6,679.86	7,883.94	7,266.03	51.06	31.99	86.29	-2,634.60	-5,682.91	6,912.21	6,830.95	81.27	85.055	
7,400.00	6,725.09	7,904.84	7,266.05	51.31	32.22	76.78	-2,655.50	-5,682.91	6,904.14	6,822.37	81.77	84.435	
7,450.00	6,769.87	7,925.52	7,266.07	51.52	32.46	68.09	-2,676.18	-5,682.90	6,892.50	6,810.26	82.24	83.809	
7,500.00	6,813.94	7,945.85	7,266.09	51.69	32.70	60.50	-2,696.51	-5,682.90	6,877.35	6,794.69	82.67	83.195	
7,550.00	6,857.03	7,965.70	7,266.11	51.84	32.94	54.06	-2,716.36	-5,682.90	6,858.78	6,775.73	83.04	82.593	
7,600.00	6,898.86	7,984.95	7,266.13	51.95	33.16	48.67	-2,735.61	-5,682.89	6,836.86	6,753.49	83.38	82.000	
7,650.00	6,939.19	8,003.48	7,266.15	52.05	33.38	44.19	-2,754.14	-5,682.89	6,811.72	6,728.05	83.67	81.411	
7,700.00	6,977.75	8,021.19	7,266.17	52.13	33.61	40.49	-2,771.85	-5,682.89	6,783.47	6,699.53	83.94	80.813	
7,750.00	7,014.32	8,037.95	7,266.19	52.20	33.82	37.41	-2,788.61	-5,682.88	6,752.26	6,668.09	84.17	80.219	
7,800.00	7,048.67	8,053.66	7,266.20	52.26	34.02	34.84	-2,804.32	-5,682.88	6,718.26	6,633.88	84.37	79.626	
7,850.00	7,080.59	8,068.24	7,266.22	52.33	34.21	32.70	-2,818.90	-5,682.88	6,681.63	6,597.08	84.54	79.033	
7,900.00	7,109.87	8,081.58	7,266.23	52.39	34.38	30.91	-2,832.24	-5,682.88	6,642.56	6,557.88	84.68	78.439	
7,950.00	7,136.35	8,106.39	7,266.25	52.47	34.70	29.41	-2,844.27	-5,682.87	6,601.28	6,516.31	84.97	77.689	
8,000.00	7,159.85	8,104.25	7,266.26	52.55	34.67	28.16	-2,854.91	-5,682.87	6,557.99	6,473.09	84.90	77.242	
8,050.00	7,180.23	8,113.44	7,266.27	52.64	34.80	27.11	-2,864.10	-5,682.87	6,512.94	6,427.95	84.99	76.635	
8,100.00	7,197.37	8,121.11	7,266.27	52.75	34.90	26.24	-2,871.77	-5,682.87	6,466.37	6,381.32	85.05	76.028	
8,150.00	7,211.16	8,127.23	7,266.28	52.88	34.98	25.51	-2,877.89	-5,682.87	6,418.55	6,333.45	85.10	75.422	
8,200.00	7,221.51	8,131.76	7,266.28	53.03	35.05	24.86	-2,882.42	-5,682.87	6,369.75	6,284.62	85.14	74.819	
8,250.00	7,228.37	8,134.66	7,266.29	53.20	35.08	24.11	-2,885.32	-5,682.87	6,320.26	6,235.11	85.16	74.219	
8,300.00	7,231.68	8,135.92	7,266.29	53.40	35.10	20.94	-2,886.58	-5,682.87	6,270.38	6,185.21	85.16	73.626	
8,317.45	7,232.00	8,135.97	7,266.29	53.47	35.10	-126.73	-2,886.63	-5,682.87	6,252.92	6,167.76	85.17	73.421	
8,400.00	7,232.48	8,135.74	7,266.29	53.86	35.10	-127.10	-2,886.40	-5,682.87	6,170.38	6,085.22	85.16	72.454	
8,500.00	7,233.06	8,135.47	7,266.29	54.44	35.10	-127.55	-2,886.13	-5,682.87	6,070.38	5,985.22	85.16	71.282	
8,600.00	7,233.64	8,135.19	7,266.29	55.14	35.09	-128.01	-2,885.85	-5,682.87	5,970.38	5,885.22	85.16	70.110	
8,700.00	7,234.22	8,134.91	7,266.29	55.99	35.09	-128.48	-2,885.57	-5,682.87	5,870.38	5,785.22	85.16	68.936	
8,800.00	7,234.80	8,134.63	7,266.29	57.00	35.08	-128.96	-2,885.29	-5,682.87	5,770.38	5,685.22	85.16	67.762	
8,900.00	7,235.39	8,134.35	7,266.29	58.18	35.08	-129.45	-2,885.01	-5,682.87	5,670.38	5,585.22	85.16	66.588	

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

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

Offset Design Falken 9-11 PAD - Harvesters Resources #15U-443(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 2000-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	8,134.08	7,266.29	59.53	35.08	-129.95	-2,884.74	-5,682.87	5,570.38	5,485.22	85.16	65.412	
9,100.00	7,236.55	8,133.80	7,266.29	61.04	35.07	-130.46	-2,884.46	-5,682.87	5,470.38	5,385.22	85.16	64.237	
9,200.00	7,237.13	8,133.52	7,266.29	62.69	35.07	-130.99	-2,884.18	-5,682.87	5,370.38	5,285.22	85.16	63.061	
9,300.00	7,237.71	8,133.24	7,266.29	64.47	35.07	-131.52	-2,883.90	-5,682.87	5,270.38	5,185.22	85.17	61.884	
9,400.00	7,238.29	8,132.97	7,266.29	66.36	35.06	-132.07	-2,883.62	-5,682.87	5,170.38	5,085.21	85.17	60.707	
9,500.00	7,238.87	8,132.69	7,266.29	68.34	35.06	-132.62	-2,883.35	-5,682.87	5,070.38	4,985.21	85.17	59.529	
9,600.00	7,239.45	8,132.41	7,266.29	70.41	35.05	-133.19	-2,883.07	-5,682.87	4,970.39	4,885.20	85.18	58.351	
9,700.00	7,240.03	8,132.13	7,266.29	72.55	35.05	-133.77	-2,882.79	-5,682.87	4,870.39	4,785.20	85.19	57.173	
9,800.00	7,240.61	8,131.85	7,266.29	74.76	35.05	-134.37	-2,882.51	-5,682.87	4,770.39	4,685.19	85.19	55.994	
9,900.00	7,241.20	8,131.58	7,266.28	77.02	35.04	-134.97	-2,882.24	-5,682.87	4,670.39	4,585.19	85.20	54.815	
10,000.00	7,241.78	8,131.30	7,266.28	79.33	35.04	-135.59	-2,881.96	-5,682.87	4,570.39	4,485.18	85.21	53.636	
10,100.00	7,242.36	8,131.02	7,266.28	81.68	35.04	-136.23	-2,881.68	-5,682.87	4,470.39	4,385.17	85.22	52.456	
10,200.00	7,242.94	8,130.74	7,266.28	84.07	35.03	-136.87	-2,881.40	-5,682.87	4,370.39	4,285.16	85.23	51.277	
10,300.00	7,243.52	8,130.46	7,266.28	86.49	35.03	-137.54	-2,881.12	-5,682.87	4,270.39	4,185.15	85.24	50.097	
10,400.00	7,244.10	8,130.19	7,266.28	88.95	35.02	-138.21	-2,880.85	-5,682.87	4,170.39	4,085.14	85.25	48.917	
10,500.00	7,244.68	8,129.91	7,266.28	91.43	35.02	-138.90	-2,880.57	-5,682.87	4,070.39	3,985.13	85.27	47.737	
10,600.00	7,245.26	8,129.63	7,266.28	93.93	35.02	-139.61	-2,880.29	-5,682.87	3,970.39	3,885.11	85.28	46.557	
10,700.00	7,245.84	8,129.35	7,266.28	96.46	35.01	-140.33	-2,880.01	-5,682.87	3,870.39	3,785.10	85.30	45.377	
10,800.00	7,246.42	8,129.07	7,266.28	99.01	35.01	-141.06	-2,879.73	-5,682.87	3,770.40	3,685.09	85.31	44.196	
10,900.00	7,247.01	8,128.80	7,266.28	101.58	35.00	-141.81	-2,879.46	-5,682.87	3,670.40	3,585.07	85.33	43.016	
11,000.00	7,247.59	8,128.52	7,266.28	104.16	35.00	-142.58	-2,879.18	-5,682.87	3,570.40	3,485.05	85.34	41.836	
11,100.00	7,248.17	8,128.24	7,266.28	106.76	35.00	-143.36	-2,878.90	-5,682.87	3,470.40	3,385.04	85.36	40.656	
11,200.00	7,248.75	8,127.96	7,266.28	109.37	34.99	-144.16	-2,878.62	-5,682.87	3,370.40	3,285.02	85.38	39.476	
11,300.00	7,249.33	8,127.68	7,266.28	112.00	34.99	-144.98	-2,878.34	-5,682.87	3,270.40	3,185.00	85.40	38.296	
11,400.00	7,249.91	8,127.41	7,266.28	114.64	34.99	-145.81	-2,878.07	-5,682.87	3,170.40	3,084.98	85.42	37.116	
11,500.00	7,250.49	8,127.13	7,266.28	117.29	34.98	-146.66	-2,877.79	-5,682.87	3,070.40	2,984.96	85.44	35.937	
11,600.00	7,251.07	8,126.85	7,266.28	119.95	34.98	-147.53	-2,877.51	-5,682.87	2,970.40	2,884.94	85.46	34.758	
11,700.00	7,251.65	8,126.57	7,266.28	122.62	34.97	-148.41	-2,877.23	-5,682.87	2,870.41	2,784.92	85.48	33.579	
11,800.00	7,252.23	8,126.30	7,266.28	125.30	34.97	-149.31	-2,876.95	-5,682.87	2,770.41	2,684.90	85.51	32.400	
11,900.00	7,252.82	8,126.02	7,266.28	127.98	34.97	-150.23	-2,876.68	-5,682.87	2,670.41	2,584.88	85.53	31.221	
12,000.00	7,253.40	8,125.74	7,266.28	130.68	34.96	-151.16	-2,876.40	-5,682.87	2,570.41	2,484.85	85.56	30.043	
12,100.00	7,253.98	8,125.46	7,266.28	133.38	34.96	-152.11	-2,876.12	-5,682.87	2,470.41	2,384.83	85.58	28.866	
12,200.00	7,254.56	8,125.18	7,266.28	136.09	34.96	-153.08	-2,875.84	-5,682.87	2,370.41	2,284.80	85.61	27.688	
12,300.00	7,255.14	8,124.91	7,266.28	138.81	34.95	-154.07	-2,875.57	-5,682.87	2,270.42	2,184.78	85.64	26.512	
12,400.00	7,255.72	8,124.63	7,266.28	141.53	34.95	-155.07	-2,875.29	-5,682.87	2,170.42	2,084.75	85.67	25.335	
12,500.00	7,256.30	8,124.35	7,266.28	144.26	34.94	-156.09	-2,875.01	-5,682.87	2,070.42	1,984.72	85.70	24.159	
12,600.00	7,256.88	8,124.07	7,266.28	146.99	34.94	-157.12	-2,874.73	-5,682.87	1,970.42	1,884.69	85.73	22.984	
12,700.00	7,257.46	8,123.79	7,266.28	149.73	34.94	-158.18	-2,874.45	-5,682.87	1,870.43	1,784.66	85.76	21.809	
12,800.00	7,258.04	8,123.52	7,266.28	152.47	34.93	-159.24	-2,874.18	-5,682.87	1,770.43	1,684.63	85.80	20.635	
12,900.00	7,258.63	8,123.24	7,266.28	155.22	34.93	-160.33	-2,873.90	-5,682.87	1,670.43	1,584.60	85.83	19.462	
13,000.00	7,259.21	8,122.96	7,266.28	157.97	34.93	-161.42	-2,873.62	-5,682.87	1,570.44	1,484.57	85.87	18.289	
13,100.00	7,259.79	8,122.68	7,266.28	160.72	34.92	-162.54	-2,873.34	-5,682.87	1,470.44	1,384.53	85.91	17.117	
13,200.00	7,260.37	8,122.40	7,266.28	163.48	34.92	-163.66	-2,873.06	-5,682.87	1,370.44	1,284.50	85.95	15.945	
13,300.00	7,260.95	8,122.13	7,266.27	166.24	34.91	-164.80	-2,872.79	-5,682.87	1,270.45	1,184.46	85.99	14.774	
13,400.00	7,261.53	8,121.85	7,266.27	169.01	34.91	-165.95	-2,872.51	-5,682.87	1,170.45	1,084.42	86.04	13.604	
13,480.77	7,262.00	8,121.62	7,266.27	171.24	34.91	-166.89	-2,872.28	-5,682.87	1,089.69	1,003.61	86.07	12.660	CC, ES, SF

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

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

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-9.87	1,583.64	-275.58	1,610.18				
100.00	100.00	6.00	6.00	3.28	3.28	-9.87	1,583.64	-275.58	1,607.44	1,600.87	6.57	244.798	
200.00	200.00	106.00	106.00	3.34	3.82	-9.87	1,583.64	-275.58	1,607.44	1,600.28	7.16	224.645	
300.00	300.00	206.00	206.00	3.44	6.36	-9.87	1,583.64	-275.58	1,607.44	1,597.63	9.80	163.985	CC
400.00	399.98	305.98	305.98	3.60	9.52	-165.00	1,583.64	-275.58	1,609.12	1,596.01	13.12	122.689	ES
500.00	499.84	405.84	405.84	3.79	12.85	-165.02	1,583.64	-275.58	1,614.18	1,597.54	16.64	97.026	
600.00	599.45	505.45	505.45	4.02	16.23	-165.06	1,583.64	-275.58	1,622.60	1,602.34	20.26	80.101	
700.00	698.70	604.70	604.70	4.29	19.64	-165.11	1,583.64	-275.58	1,634.38	1,610.45	23.93	68.293	
800.00	797.47	703.47	703.47	4.59	23.05	-165.17	1,583.64	-275.58	1,649.51	1,621.87	27.64	59.682	
900.00	895.62	801.62	801.62	4.93	26.44	-165.24	1,583.64	-275.58	1,667.98	1,636.62	31.36	53.187	
1,000.00	993.06	900.94	899.06	5.31	29.89	-165.32	1,583.64	-275.58	1,689.77	1,654.62	35.15	48.070	
1,100.00	1,089.64	1,004.36	995.64	5.72	33.48	-165.41	1,583.64	-275.58	1,714.87	1,675.76	39.11	43.846	
1,200.00	1,185.27	1,108.73	1,091.27	6.16	37.11	-165.50	1,583.64	-275.58	1,743.24	1,700.12	43.13	40.423	
1,300.00	1,279.82	1,185.82	1,185.82	6.64	39.79	-165.60	1,583.64	-275.58	1,774.87	1,728.67	46.21	38.410	
1,400.00	1,373.17	1,279.17	1,279.17	7.15	43.04	-165.70	1,583.64	-275.58	1,809.73	1,759.86	49.87	36.287	
1,500.00	1,465.21	1,371.21	1,371.21	7.70	46.24	-165.80	1,583.64	-275.58	1,847.77	1,794.27	53.51	34.534	
1,600.00	1,555.84	1,461.84	1,461.84	8.30	49.40	-165.89	1,583.64	-275.58	1,888.97	1,831.87	57.10	33.081	
1,651.50	1,601.92	1,507.92	1,507.92	8.62	51.00	-165.94	1,583.64	-275.58	1,911.40	1,852.46	58.94	32.429	
1,700.00	1,645.13	1,551.13	1,551.13	8.93	52.51	-166.09	1,583.64	-275.58	1,932.92	1,872.26	60.66	31.864	
1,800.00	1,734.20	1,640.20	1,640.20	9.58	55.61	-166.41	1,583.64	-275.58	1,977.33	1,913.11	64.21	30.793	
1,900.00	1,823.28	1,729.28	1,729.28	10.25	58.72	-166.71	1,583.64	-275.58	2,021.78	1,954.00	67.77	29.831	
2,000.00	1,912.36	1,818.36	1,818.36	10.94	61.82	-167.00	1,583.64	-275.58	2,066.27	1,994.93	71.34	28.963	
2,100.00	2,001.43	1,907.43	1,907.43	11.63	64.93	-167.27	1,583.64	-275.58	2,110.80	2,035.89	74.92	28.175	
2,200.00	2,090.51	2,003.49	1,996.51	12.34	68.28	-167.54	1,583.64	-275.58	2,155.38	2,076.63	78.74	27.372	
2,300.00	2,179.59	2,085.59	2,085.59	13.05	71.14	-167.79	1,583.64	-275.58	2,199.98	2,117.90	82.09	26.801	
2,400.00	2,268.66	2,174.66	2,174.66	13.76	74.24	-168.04	1,583.64	-275.58	2,244.62	2,158.95	85.68	26.198	
2,500.00	2,357.74	2,263.74	2,263.74	14.49	77.35	-168.27	1,583.64	-275.58	2,289.30	2,200.02	89.27	25.643	
2,600.00	2,446.82	2,352.82	2,352.82	15.21	80.46	-168.50	1,583.64	-275.58	2,334.00	2,241.13	92.87	25.131	
2,700.00	2,535.89	2,441.89	2,441.89	15.95	83.57	-168.72	1,583.64	-275.58	2,378.73	2,282.26	96.48	24.656	
2,800.00	2,624.97	2,530.97	2,530.97	16.68	86.67	-168.93	1,583.64	-275.58	2,423.49	2,323.41	100.08	24.216	
2,900.00	2,714.05	2,620.05	2,620.05	17.42	89.78	-169.13	1,583.64	-275.58	2,468.27	2,364.58	103.69	23.805	
3,000.00	2,803.12	2,709.12	2,709.12	18.16	92.89	-169.32	1,583.64	-275.58	2,513.08	2,405.78	107.30	23.422	
3,100.00	2,892.20	2,801.80	2,798.20	18.90	96.12	-169.51	1,583.64	-275.58	2,557.91	2,446.87	111.03	23.037	
3,200.00	2,981.28	2,887.28	2,887.28	19.65	99.10	-169.69	1,583.64	-275.58	2,602.76	2,488.24	114.52	22.727	
3,300.00	3,070.36	2,976.36	2,976.36	20.40	102.21	-169.87	1,583.64	-275.58	2,647.63	2,529.49	118.13	22.412	
3,400.00	3,159.43	3,065.43	3,065.43	21.14	105.32	-170.04	1,583.64	-275.58	2,692.52	2,570.77	121.75	22.115	
3,500.00	3,248.51	3,154.51	3,154.51	21.89	108.43	-170.20	1,583.64	-275.58	2,737.43	2,612.06	125.37	21.835	
3,600.00	3,337.59	3,243.59	3,243.59	22.65	111.54	-170.36	1,583.64	-275.58	2,782.35	2,653.37	128.99	21.571	
3,700.00	3,426.66	3,332.66	3,332.66	23.40	114.64	-170.51	1,583.64	-275.58	2,827.29	2,694.69	132.61	21.321	
3,800.00	3,515.74	3,421.74	3,421.74	24.15	117.75	-170.66	1,583.64	-275.58	2,872.25	2,736.03	136.23	21.085	
3,900.00	3,604.82	3,510.82	3,510.82	24.91	120.86	-170.81	1,583.64	-275.58	2,917.23	2,777.38	139.85	20.860	
4,000.00	3,693.89	3,600.11	3,599.89	25.66	123.98	-170.95	1,583.64	-275.58	2,962.21	2,818.74	143.48	20.646	
4,100.00	3,782.97	3,688.97	3,688.97	26.42	127.08	-171.08	1,583.64	-275.58	3,007.21	2,860.12	147.09	20.444	
4,200.00	3,872.05	3,778.05	3,778.05	27.18	130.19	-171.21	1,583.64	-275.58	3,052.23	2,901.51	150.72	20.252	
4,300.00	3,961.12	3,867.12	3,867.12	27.94	133.30	-171.34	1,583.64	-275.58	3,097.26	2,942.92	154.34	20.068	
4,400.00	4,050.20	3,956.20	3,956.20	28.69	136.41	-171.47	1,583.64	-275.58	3,142.30	2,984.33	157.96	19.892	
4,500.00	4,139.28	4,045.28	4,045.28	29.45	139.51	-171.59	1,583.64	-275.58	3,187.35	3,025.76	161.59	19.725	
4,600.00	4,228.35	4,134.35	4,134.35	30.21	142.62	-171.71	1,583.64	-275.58	3,232.41	3,067.19	165.22	19.565	
4,700.00	4,317.43	4,223.43	4,223.43	30.97	145.73	-171.82	1,583.64	-275.58	3,277.48	3,108.64	168.84	19.411	
4,800.00	4,406.51	4,312.51	4,312.51	31.73	148.84	-171.93	1,583.64	-275.58	3,322.56	3,150.09	172.47	19.265	
4,900.00	4,495.59	4,401.59	4,401.59	32.50	151.95	-172.04	1,583.64	-275.58	3,367.66	3,191.56	176.10	19.124	
5,000.00	4,584.66	4,509.34	4,490.66	33.26	155.71	-172.15	1,583.64	-275.58	3,412.76	3,232.38	180.38	18.920	

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

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

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,579.74	4,579.74	34.02	158.17	-172.25	1,583.64	-275.58	3,457.87	3,274.51	183.36	18.859	
5,200.00	4,762.82	4,668.82	4,668.82	34.78	161.28	-172.35	1,583.64	-275.58	3,502.99	3,316.00	186.98	18.734	
5,300.00	4,851.89	4,757.89	4,757.89	35.54	164.39	-172.45	1,583.64	-275.58	3,548.12	3,357.50	190.61	18.614	
5,400.00	4,940.97	4,846.97	4,846.97	36.31	167.49	-172.54	1,583.64	-275.58	3,593.25	3,399.01	194.24	18.499	
5,500.00	5,030.05	4,936.05	4,936.05	37.07	170.60	-172.63	1,583.64	-275.58	3,638.40	3,440.52	197.87	18.387	
5,600.00	5,119.12	5,025.12	5,025.12	37.83	173.71	-172.72	1,583.64	-275.58	3,683.55	3,482.04	201.50	18.280	
5,700.00	5,208.20	5,114.20	5,114.20	38.60	176.82	-172.81	1,583.64	-275.58	3,728.70	3,523.57	205.14	18.177	
5,800.00	5,297.28	5,203.28	5,203.28	39.36	179.93	-172.90	1,583.64	-275.58	3,773.87	3,565.10	208.77	18.077	
5,900.00	5,386.35	5,307.65	5,292.35	40.13	183.57	-172.98	1,583.64	-275.58	3,819.04	3,606.11	212.93	17.936	
6,000.00	5,475.43	5,381.43	5,381.43	40.89	186.15	-173.06	1,583.64	-275.58	3,864.22	3,648.19	216.03	17.887	
6,100.00	5,564.51	5,470.51	5,470.51	41.66	189.26	-173.14	1,583.64	-275.58	3,909.40	3,689.74	219.66	17.797	
6,200.00	5,653.58	5,559.58	5,559.58	42.42	192.37	-173.22	1,583.64	-275.58	3,954.59	3,731.30	223.30	17.710	
6,300.00	5,742.66	5,648.66	5,648.66	43.19	195.48	-173.30	1,583.64	-275.58	3,999.79	3,772.86	226.93	17.626	
6,400.00	5,831.74	5,737.74	5,737.74	43.95	198.59	-173.38	1,583.64	-275.58	4,044.99	3,814.43	230.56	17.544	
6,500.00	5,920.82	5,826.82	5,826.82	44.72	201.70	-173.45	1,583.64	-275.58	4,090.20	3,856.00	234.19	17.465	
6,600.00	6,009.89	5,915.89	5,915.89	45.48	204.80	-173.52	1,583.64	-275.58	4,135.41	3,897.58	237.83	17.388	
6,700.00	6,098.97	6,004.97	6,004.97	46.25	207.91	-173.59	1,583.64	-275.58	4,180.63	3,939.17	241.46	17.314	
6,800.00	6,188.05	6,105.95	6,094.05	47.01	211.44	-173.66	1,583.64	-275.58	4,225.85	3,980.34	245.51	17.212	
6,900.00	6,277.12	6,183.12	6,183.12	47.78	214.13	-173.73	1,583.64	-275.58	4,271.08	4,022.35	248.73	17.171	
7,000.00	6,366.20	6,272.20	6,272.20	48.55	217.24	-173.79	1,583.64	-275.58	4,316.31	4,063.94	252.37	17.103	
7,100.00	6,455.28	6,361.28	6,361.28	49.31	220.35	-173.86	1,583.64	-275.58	4,361.55	4,105.54	256.00	17.037	
7,197.64	6,542.25	6,448.25	6,448.25	50.06	223.39	-173.92	1,583.64	-275.58	4,405.72	4,146.17	259.55	16.974	
7,200.00	6,544.35	6,450.35	6,450.35	50.08	223.46	-174.41	1,583.64	-275.58	4,406.78	4,147.15	259.64	16.973	
7,250.00	6,589.22	6,504.78	6,495.22	50.44	225.36	174.79	1,583.64	-275.58	4,428.83	4,167.03	261.80	16.917	
7,300.00	6,634.48	6,540.48	6,540.48	50.77	226.61	163.44	1,583.64	-275.58	4,449.73	4,186.44	263.30	16.900	
7,350.00	6,679.86	6,585.86	6,585.86	51.06	228.19	152.03	1,583.64	-275.58	4,469.37	4,204.25	265.12	16.858	
7,400.00	6,725.09	6,631.09	6,631.09	51.31	229.77	141.17	1,583.64	-275.58	4,487.64	4,220.71	266.94	16.812	
7,450.00	6,769.87	6,675.87	6,675.87	51.52	231.33	131.34	1,583.64	-275.58	4,504.46	4,235.74	268.73	16.762	
7,500.00	6,813.94	6,719.94	6,719.94	51.69	232.87	122.79	1,583.64	-275.58	4,519.76	4,249.28	270.48	16.710	
7,550.00	6,857.03	6,763.03	6,763.03	51.84	234.38	115.57	1,583.64	-275.58	4,533.48	4,261.29	272.19	16.656	
7,600.00	6,898.86	6,804.86	6,804.86	51.95	235.84	109.57	1,583.64	-275.58	4,545.58	4,271.73	273.85	16.599	
7,650.00	6,939.19	6,845.19	6,845.19	52.05	237.24	104.65	1,583.64	-275.58	4,556.05	4,280.59	275.45	16.540	
7,700.00	6,977.75	6,883.75	6,883.75	52.13	238.59	100.65	1,583.64	-275.58	4,564.86	4,287.87	276.99	16.480	
7,750.00	7,014.32	6,920.32	6,920.32	52.20	239.87	97.42	1,583.64	-275.58	4,572.03	4,293.56	278.47	16.418	
7,800.00	7,048.67	6,954.67	6,954.67	52.26	241.06	94.83	1,583.64	-275.58	4,577.57	4,297.69	279.89	16.355	
7,850.00	7,080.59	6,986.59	6,986.59	52.33	242.18	92.80	1,583.64	-275.58	4,581.51	4,300.27	281.23	16.291	
7,900.00	7,109.87	7,015.87	7,015.87	52.39	243.20	91.22	1,583.64	-275.58	4,583.87	4,301.35	282.52	16.225	
7,950.00	7,136.35	7,042.35	7,042.35	52.47	244.13	90.05	1,583.64	-275.58	4,584.69	4,300.96	283.73	16.159	
8,000.00	7,159.85	7,065.85	7,065.85	52.55	244.95	89.22	1,583.64	-275.58	4,584.02	4,299.14	284.88	16.091	
8,050.00	7,180.23	7,086.23	7,086.23	52.64	245.66	88.69	1,583.64	-275.58	4,581.92	4,295.95	285.97	16.022	
8,100.00	7,197.37	7,103.37	7,103.37	52.75	246.26	88.44	1,583.64	-275.58	4,578.43	4,291.43	286.99	15.953	
8,150.00	7,211.16	7,117.16	7,117.16	52.88	246.74	88.43	1,583.64	-275.58	4,573.61	4,285.65	287.95	15.883	
8,200.00	7,221.51	7,127.51	7,127.51	53.03	247.10	88.64	1,583.64	-275.58	4,567.51	4,278.67	288.84	15.813	
8,250.00	7,228.37	7,134.37	7,134.37	53.20	247.34	89.06	1,583.64	-275.58	4,560.20	4,270.55	289.65	15.744	
8,300.00	7,231.68	7,137.68	7,137.68	53.40	247.45	89.68	1,583.64	-275.58	4,551.72	4,261.34	290.39	15.675	
8,317.45	7,232.00	7,138.00	7,138.00	53.47	247.46	89.94	1,583.64	-275.58	4,548.50	4,257.88	290.63	15.651	
8,400.00	7,232.48	7,138.48	7,138.48	53.86	247.48	89.94	1,583.64	-275.58	4,533.67	4,241.89	291.78	15.538	
8,500.00	7,233.06	7,139.06	7,139.06	54.44	247.50	89.95	1,583.64	-275.58	4,517.66	4,224.32	293.34	15.401	
8,600.00	7,233.64	7,139.64	7,139.64	55.14	247.52	89.96	1,583.64	-275.58	4,503.82	4,208.75	295.06	15.264	
8,700.00	7,234.22	7,140.22	7,140.22	55.99	247.54	89.96	1,583.64	-275.58	4,492.15	4,195.23	296.93	15.129	
8,800.00	7,234.80	7,140.80	7,140.80	57.00	247.56	89.97	1,583.64	-275.58	4,482.69	4,183.78	298.91	14.997	
8,900.00	7,235.39	7,141.39	7,141.39	58.18	247.58	89.98	1,583.64	-275.58	4,475.45	4,174.45	301.00	14.869	

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

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,141.97	7,141.97	59.53	247.60	89.99	1,583.64	-275.58	4,470.43	4,167.25	303.18	14.745	
9,100.00	7,236.55	7,142.55	7,142.55	61.04	247.62	89.99	1,583.64	-275.58	4,467.64	4,162.20	305.44	14.627	
9,174.58	7,236.98	7,142.98	7,142.98	62.26	247.64	90.00	1,583.64	-275.58	4,467.02	4,159.85	307.17	14.543	
9,200.00	7,237.13	7,143.13	7,143.13	62.69	247.64	90.00	1,583.64	-275.58	4,467.09	4,159.34	307.75	14.515	
9,300.00	7,237.71	7,143.71	7,143.71	64.47	247.66	90.01	1,583.64	-275.58	4,468.78	4,158.66	310.12	14.410	
9,400.00	7,238.29	7,144.29	7,144.29	66.36	247.68	90.02	1,583.64	-275.58	4,472.70	4,160.18	312.52	14.312	
9,500.00	7,238.87	7,144.87	7,144.87	68.34	247.70	90.02	1,583.64	-275.58	4,478.85	4,163.91	314.94	14.221	
9,600.00	7,239.45	7,145.45	7,145.45	70.41	247.72	90.03	1,583.64	-275.58	4,487.23	4,169.84	317.38	14.138	
9,700.00	7,240.03	7,146.03	7,146.03	72.55	247.74	90.04	1,583.64	-275.58	4,497.81	4,177.98	319.83	14.063	
9,800.00	7,240.61	7,146.61	7,146.61	74.76	247.77	90.05	1,583.64	-275.58	4,510.58	4,188.31	322.27	13.996	
9,900.00	7,241.20	7,147.20	7,147.20	77.02	247.79	90.05	1,583.64	-275.58	4,525.53	4,200.83	324.70	13.938	
10,000.00	7,241.78	7,147.78	7,147.78	79.33	247.81	90.06	1,583.64	-275.58	4,542.63	4,215.52	327.11	13.887	
10,100.00	7,242.36	7,148.36	7,148.36	81.68	247.83	90.07	1,583.64	-275.58	4,561.86	4,232.36	329.50	13.845	
10,200.00	7,242.94	7,148.94	7,148.94	84.07	247.85	90.08	1,583.64	-275.58	4,583.20	4,251.33	331.86	13.811	
10,300.00	7,243.52	7,149.52	7,149.52	86.49	247.87	90.08	1,583.64	-275.58	4,606.60	4,272.41	334.19	13.784	
10,400.00	7,244.10	7,150.10	7,150.10	88.95	247.89	90.09	1,583.64	-275.58	4,632.04	4,295.57	336.47	13.766	
10,500.00	7,244.68	7,150.68	7,150.68	91.43	247.91	90.10	1,583.64	-275.58	4,659.50	4,320.78	338.72	13.756	
10,600.00	7,245.26	7,151.26	7,151.26	93.93	247.93	90.11	1,583.64	-275.58	4,688.92	4,348.01	340.91	13.754 SF	
10,700.00	7,245.84	7,151.84	7,151.84	96.46	247.95	90.11	1,583.64	-275.58	4,720.28	4,377.22	343.06	13.759	
10,800.00	7,246.42	7,152.42	7,152.42	99.01	247.97	90.12	1,583.64	-275.58	4,753.54	4,408.38	345.16	13.772	
10,900.00	7,247.01	7,153.01	7,153.01	101.58	247.99	90.13	1,583.64	-275.58	4,788.65	4,441.45	347.21	13.792	
11,000.00	7,247.59	7,153.59	7,153.59	104.16	248.01	90.14	1,583.64	-275.58	4,825.59	4,476.39	349.20	13.819	
11,100.00	7,248.17	7,154.17	7,154.17	106.76	248.03	90.14	1,583.64	-275.58	4,864.29	4,513.16	351.13	13.853	
11,200.00	7,248.75	7,154.75	7,154.75	109.37	248.05	90.15	1,583.64	-275.58	4,904.73	4,551.72	353.01	13.894	
11,300.00	7,249.33	7,155.33	7,155.33	112.00	248.07	90.16	1,583.64	-275.58	4,946.87	4,592.03	354.84	13.941	
11,400.00	7,249.91	7,155.91	7,155.91	114.64	248.09	90.17	1,583.64	-275.58	4,990.65	4,634.04	356.60	13.995	
11,500.00	7,250.49	7,156.49	7,156.49	117.29	248.11	90.17	1,583.64	-275.58	5,036.03	4,677.72	358.31	14.055	
11,600.00	7,251.07	7,157.07	7,157.07	119.95	248.13	90.18	1,583.64	-275.58	5,082.98	4,723.01	359.97	14.121	
11,700.00	7,251.65	7,157.65	7,157.65	122.62	248.15	90.19	1,583.64	-275.58	5,131.45	4,769.88	361.56	14.192	
11,800.00	7,252.23	7,158.23	7,158.23	125.30	248.17	90.20	1,583.64	-275.58	5,181.39	4,818.29	363.11	14.270	
11,900.00	7,252.82	7,158.82	7,158.82	127.98	248.19	90.20	1,583.64	-275.58	5,232.77	4,868.18	364.59	14.352	
12,000.00	7,253.40	7,159.40	7,159.40	130.68	248.21	90.21	1,583.64	-275.58	5,285.54	4,919.51	366.03	14.440	
12,100.00	7,253.98	7,159.98	7,159.98	133.38	248.23	90.22	1,583.64	-275.58	5,339.67	4,972.25	367.41	14.533	
12,200.00	7,254.56	7,160.56	7,160.56	136.09	248.25	90.23	1,583.64	-275.58	5,395.10	5,026.36	368.74	14.631	
12,300.00	7,255.14	7,161.14	7,161.14	138.81	248.27	90.23	1,583.64	-275.58	5,451.80	5,081.78	370.02	14.734	
12,400.00	7,255.72	7,161.72	7,161.72	141.53	248.29	90.24	1,583.64	-275.58	5,509.74	5,138.48	371.25	14.841	
12,500.00	7,256.30	7,162.30	7,162.30	144.26	248.31	90.25	1,583.64	-275.58	5,568.87	5,196.43	372.44	14.952	
12,600.00	7,256.88	7,162.88	7,162.88	146.99	248.33	90.26	1,583.64	-275.58	5,629.15	5,255.57	373.58	15.068	
12,700.00	7,257.46	7,163.46	7,163.46	149.73	248.35	90.26	1,583.64	-275.58	5,690.55	5,315.88	374.67	15.188	
12,800.00	7,258.04	7,164.04	7,164.04	152.47	248.37	90.27	1,583.64	-275.58	5,753.04	5,377.32	375.72	15.312	
12,900.00	7,258.63	7,164.63	7,164.63	155.22	248.39	90.28	1,583.64	-275.58	5,816.57	5,439.84	376.73	15.440	
13,000.00	7,259.21	7,165.21	7,165.21	157.97	248.41	90.29	1,583.64	-275.58	5,881.12	5,503.42	377.70	15.571	
13,100.00	7,259.79	7,165.79	7,165.79	160.72	248.43	90.29	1,583.64	-275.58	5,946.65	5,568.02	378.63	15.706	
13,200.00	7,260.37	7,166.37	7,166.37	163.48	248.45	90.30	1,583.64	-275.58	6,013.13	5,633.61	379.52	15.844	
13,300.00	7,260.95	7,166.95	7,166.95	166.24	248.47	90.31	1,583.64	-275.58	6,080.52	5,700.15	380.37	15.986	
13,400.00	7,261.53	7,167.53	7,167.53	169.01	248.50	90.31	1,583.64	-275.58	6,148.80	5,767.61	381.19	16.130	
13,480.77	7,262.00	7,168.00	7,168.00	171.24	248.51	90.32	1,583.64	-275.58	6,204.59	5,822.75	381.83	16.249	

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

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-125.25	-2,160.14	-3,056.86	3,743.10				
100.00	100.00	77.90	77.90	3.28	3.28	-125.25	-2,160.27	-3,056.88	3,743.17	3,736.60	6.57	569.826	
200.00	200.00	218.29	218.28	3.34	3.36	-125.26	-2,160.48	-3,056.18	3,742.85	3,736.16	6.70	558.956	
300.00	300.00	302.57	302.57	3.44	3.45	-125.26	-2,160.07	-3,055.79	3,742.20	3,735.30	6.90	542.465	
400.00	399.98	381.82	381.82	3.60	3.57	79.66	-2,159.72	-3,055.88	3,741.72	3,734.55	7.17	521.898	
500.00	499.84	519.17	519.16	3.79	3.85	79.80	-2,159.23	-3,055.49	3,740.33	3,732.70	7.63	490.177	
600.00	599.45	588.51	588.50	4.02	4.01	79.93	-2,158.93	-3,055.29	3,738.30	3,730.28	8.02	465.885	
700.00	698.70	721.84	721.82	4.29	4.36	80.23	-2,158.16	-3,054.83	3,735.54	3,726.89	8.65	431.973	
800.00	797.47	800.00	799.98	4.59	4.59	80.49	-2,157.55	-3,054.67	3,732.25	3,723.07	9.18	406.548	
900.00	895.62	912.74	912.72	4.93	4.94	80.89	-2,157.14	-3,054.23	3,728.59	3,718.72	9.87	377.780	
1,000.00	993.06	1,000.96	1,000.94	5.31	5.22	81.28	-2,157.06	-3,053.59	3,724.33	3,713.80	10.53	353.672	
1,100.00	1,089.64	1,091.61	1,091.59	5.72	5.53	81.72	-2,157.02	-3,053.06	3,719.85	3,708.60	11.24	330.838	
1,200.00	1,185.27	1,181.35	1,181.33	6.16	5.84	82.21	-2,157.02	-3,052.69	3,715.21	3,703.21	12.00	309.671	
1,300.00	1,279.82	1,270.07	1,270.05	6.64	6.16	82.74	-2,157.05	-3,052.46	3,710.50	3,697.71	12.79	290.102	
1,400.00	1,373.17	1,357.66	1,357.63	7.15	6.48	83.32	-2,157.12	-3,052.38	3,705.81	3,692.19	13.62	272.032	
1,500.00	1,465.21	1,443.99	1,443.97	7.70	6.80	83.92	-2,157.22	-3,052.44	3,701.23	3,686.74	14.49	255.353	
1,600.00	1,555.84	1,535.10	1,535.08	8.30	7.15	84.61	-2,157.31	-3,052.65	3,696.84	3,681.41	15.43	239.591	
1,651.50	1,601.92	1,587.21	1,587.19	8.62	7.34	85.02	-2,157.08	-3,052.84	3,694.57	3,678.63	15.95	231.667	
1,700.00	1,645.13	1,640.60	1,640.57	8.93	7.55	85.40	-2,156.65	-3,053.03	3,692.45	3,675.99	16.46	224.308	
1,800.00	1,734.20	1,742.83	1,742.80	9.58	7.95	86.13	-2,155.83	-3,052.90	3,688.13	3,670.61	17.51	210.600	
1,900.00	1,823.28	1,831.83	1,831.80	10.25	8.29	86.76	-2,155.33	-3,052.55	3,684.27	3,665.74	18.53	198.799	
2,000.00	1,912.36	1,919.35	1,919.31	10.94	8.64	87.38	-2,154.73	-3,052.29	3,681.00	3,661.44	19.56	188.157	
2,100.00	2,001.43	2,007.51	2,007.47	11.63	8.99	88.01	-2,154.05	-3,052.09	3,678.33	3,657.72	20.61	178.471	
2,200.00	2,090.51	2,091.15	2,091.11	12.34	9.32	88.61	-2,153.64	-3,051.86	3,676.30	3,654.65	21.65	169.804	
2,300.00	2,179.59	2,175.73	2,175.68	13.05	9.66	89.21	-2,153.12	-3,051.80	3,674.96	3,652.25	22.70	161.869	
2,400.00	2,268.66	2,283.55	2,283.49	13.76	10.10	90.00	-2,151.43	-3,052.06	3,674.09	3,650.24	23.86	153.997	
2,500.00	2,357.74	2,408.86	2,408.77	14.49	10.61	90.92	-2,148.60	-3,051.62	3,673.08	3,647.99	25.09	146.389	
2,600.00	2,446.82	2,502.58	2,502.46	15.21	10.99	91.61	-2,146.50	-3,050.71	3,672.18	3,645.98	26.20	140.144	
2,663.00	2,502.94	2,544.91	2,544.78	15.68	11.16	91.92	-2,145.61	-3,050.31	3,671.97	3,645.13	26.84	136.819	
2,700.00	2,535.89	2,570.12	2,569.98	15.95	11.27	92.10	-2,145.03	-3,050.17	3,672.04	3,644.83	27.21	134.938	
2,800.00	2,624.97	2,647.52	2,647.36	16.68	11.59	92.67	-2,143.14	-3,050.04	3,672.93	3,644.66	28.27	129.945	
2,900.00	2,714.05	2,738.19	2,738.01	17.42	11.96	93.34	-2,141.19	-3,049.88	3,674.51	3,645.14	29.37	125.090	
3,000.00	2,803.12	2,827.33	2,827.13	18.16	12.33	93.99	-2,139.34	-3,049.52	3,676.53	3,646.05	30.48	120.620	
3,100.00	2,892.20	2,900.00	2,899.79	18.90	12.63	94.52	-2,138.00	-3,049.40	3,679.42	3,647.90	31.52	116.742	
3,200.00	2,981.28	3,005.18	3,004.96	19.65	13.06	95.28	-2,136.89	-3,048.92	3,682.89	3,650.20	32.69	112.653	
3,300.00	3,070.36	3,064.85	3,064.63	20.40	13.31	95.70	-2,136.74	-3,048.60	3,687.09	3,653.42	33.67	109.493	
3,400.00	3,159.43	3,134.73	3,134.51	21.14	13.60	96.19	-2,136.80	-3,048.67	3,692.46	3,657.77	34.70	106.420	
3,500.00	3,248.51	3,212.12	3,211.90	21.89	13.92	96.74	-2,136.60	-3,049.07	3,698.68	3,662.93	35.75	103.458	
3,600.00	3,337.59	3,278.45	3,278.22	22.65	14.19	97.20	-2,136.88	-3,049.63	3,705.88	3,669.13	36.75	100.831	
3,700.00	3,426.66	3,381.98	3,381.74	23.40	14.62	97.91	-2,138.13	-3,050.52	3,713.87	3,675.94	37.92	97.934	
3,800.00	3,515.74	3,452.30	3,452.05	24.15	14.91	98.39	-2,138.74	-3,051.05	3,722.20	3,683.26	38.94	95.590	
3,900.00	3,604.82	3,537.02	3,536.76	24.91	15.27	98.97	-2,139.72	-3,052.24	3,731.65	3,691.63	40.02	93.244	
4,000.00	3,693.89	3,665.82	3,665.55	25.66	15.81	99.84	-2,141.17	-3,052.91	3,740.80	3,699.50	41.30	90.569	
4,100.00	3,782.97	3,752.37	3,752.10	26.42	16.17	100.44	-2,141.11	-3,053.22	3,750.14	3,707.75	42.39	88.466	
4,200.00	3,872.05	3,838.33	3,838.06	27.18	16.53	101.03	-2,141.36	-3,053.66	3,760.21	3,716.73	43.47	86.495	
4,300.00	3,961.12	3,937.15	3,936.88	27.94	16.94	101.70	-2,141.70	-3,053.99	3,770.65	3,726.04	44.61	84.519	
4,400.00	4,050.20	4,036.03	4,035.76	28.69	17.35	102.36	-2,141.99	-3,054.08	3,781.38	3,735.63	45.75	82.650	
4,500.00	4,139.28	4,134.98	4,134.70	29.45	17.77	103.03	-2,142.24	-3,053.91	3,792.39	3,745.51	46.89	80.881	
4,600.00	4,228.35	4,233.99	4,233.72	30.21	18.19	103.69	-2,142.44	-3,053.49	3,803.68	3,755.66	48.02	79.205	
4,700.00	4,317.43	4,333.06	4,332.79	30.97	18.60	104.35	-2,142.60	-3,052.82	3,815.24	3,766.08	49.16	77.615	
4,800.00	4,406.51	4,432.20	4,431.92	31.73	19.02	105.00	-2,142.71	-3,051.90	3,827.06	3,776.77	50.29	76.106	
4,900.00	4,495.59	4,485.91	4,485.63	32.50	19.24	105.36	-2,142.70	-3,051.77	3,839.84	3,788.65	51.20	75.001	

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

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,598.11	4,597.83	33.26	19.72	106.09	-2,142.53	-3,051.46	3,853.21	3,800.83	52.38	73.556	
5,100.00	4,673.74	4,650.96	4,650.68	34.02	19.94	106.44	-2,142.46	-3,051.33	3,867.09	3,813.81	53.28	72.580	
5,200.00	4,762.82	4,706.12	4,705.84	34.78	20.17	106.80	-2,142.51	-3,051.73	3,882.31	3,828.13	54.18	71.658	
5,300.00	4,851.89	4,815.50	4,815.21	35.54	20.63	107.51	-2,142.20	-3,052.58	3,898.01	3,842.66	55.34	70.432	
5,400.00	4,940.97	4,882.81	4,882.51	36.31	20.92	107.96	-2,141.57	-3,053.21	3,914.30	3,858.01	56.29	69.535	
5,500.00	5,030.05	5,013.30	5,013.00	37.07	21.47	108.81	-2,140.41	-3,054.11	3,930.87	3,873.31	57.56	68.291	
5,600.00	5,119.12	5,074.32	5,074.01	37.83	21.73	109.20	-2,140.19	-3,054.39	3,947.73	3,889.26	58.47	67.518	
5,700.00	5,208.20	5,196.19	5,195.88	38.60	22.24	109.97	-2,139.97	-3,055.14	3,965.28	3,905.59	59.69	66.432	
5,800.00	5,297.28	5,259.43	5,259.12	39.36	22.51	110.36	-2,139.80	-3,055.30	3,982.88	3,922.28	60.60	65.723	
5,900.00	5,386.35	5,354.53	5,354.22	40.13	22.91	110.96	-2,139.25	-3,056.08	4,001.43	3,939.76	61.67	64.880	
6,000.00	5,475.43	5,446.16	5,445.84	40.89	23.30	111.54	-2,138.40	-3,056.26	4,019.84	3,957.12	62.73	64.087	
6,100.00	5,564.51	5,513.28	5,512.95	41.66	23.58	111.96	-2,137.55	-3,056.75	4,039.17	3,975.53	63.64	63.469	
6,200.00	5,653.58	5,601.61	5,601.27	42.42	23.96	112.51	-2,136.23	-3,057.57	4,059.14	3,994.47	64.66	62.772	
6,300.00	5,742.66	5,684.34	5,683.99	43.19	24.31	113.02	-2,135.24	-3,058.41	4,079.61	4,013.96	65.65	62.137	
6,400.00	5,831.74	5,780.36	5,780.00	43.95	24.72	113.61	-2,134.29	-3,059.38	4,100.52	4,033.80	66.71	61.464	
6,500.00	5,920.82	5,920.19	5,919.82	44.72	25.31	114.46	-2,132.66	-3,059.84	4,121.28	4,053.27	68.01	60.598	
6,600.00	6,009.89	5,979.05	5,978.67	45.48	25.56	114.81	-2,132.01	-3,059.98	4,142.27	4,073.41	68.86	60.155	
6,700.00	6,098.97	6,095.31	6,094.93	46.25	26.05	115.50	-2,131.08	-3,060.18	4,163.71	4,093.69	70.02	59.463	
6,800.00	6,188.05	6,199.61	6,199.23	47.01	26.50	116.10	-2,130.74	-3,059.71	4,184.92	4,113.81	71.11	58.848	
6,900.00	6,277.12	6,256.35	6,255.97	47.78	26.74	116.43	-2,130.39	-3,059.56	4,206.71	4,134.77	71.94	58.476	
7,000.00	6,366.20	6,332.10	6,331.71	48.55	27.06	116.86	-2,130.00	-3,059.94	4,229.53	4,156.66	72.86	58.046	
7,100.00	6,455.28	6,437.82	6,437.43	49.31	27.51	117.47	-2,129.21	-3,059.99	4,252.34	4,178.38	73.96	57.497	
7,197.64	6,542.25	6,514.94	6,514.55	50.06	27.83	117.90	-2,129.12	-3,060.19	4,275.12	4,200.25	74.87	57.099	
7,200.00	6,544.35	6,517.76	6,517.37	50.08	27.85	117.52	-2,129.12	-3,060.20	4,275.67	4,200.78	74.90	57.086	
7,250.00	6,589.22	6,577.76	6,577.37	50.44	28.10	109.08	-2,129.07	-3,060.27	4,285.33	4,209.85	75.47	56.779	
7,300.00	6,634.48	6,624.89	6,624.50	50.77	28.30	99.83	-2,128.95	-3,060.20	4,291.09	4,215.14	75.95	56.498	
7,350.00	6,679.86	6,740.65	6,658.96	51.06	28.79	90.29	-2,128.89	-3,060.15	4,293.09	4,216.42	76.67	55.993	
7,400.00	6,725.09	6,704.74	6,704.35	51.31	28.64	81.18	-2,129.25	-3,060.27	4,291.39	4,214.66	76.73	55.927	
7,450.00	6,769.87	6,749.71	6,749.31	51.52	28.83	72.93	-2,129.60	-3,060.38	4,285.91	4,208.81	77.10	55.590	
7,500.00	6,813.94	6,793.97	6,793.57	51.69	29.02	65.82	-2,129.94	-3,060.49	4,276.67	4,199.25	77.42	55.238	
7,550.00	6,857.03	6,837.24	6,836.85	51.84	29.20	59.91	-2,130.28	-3,060.60	4,263.74	4,186.03	77.70	54.873	
7,600.00	6,898.86	6,879.28	6,878.88	51.95	29.38	55.11	-2,130.61	-3,060.71	4,247.19	4,169.25	77.94	54.494	
7,650.00	6,939.19	6,919.80	6,919.40	52.05	29.55	51.30	-2,130.93	-3,060.81	4,227.13	4,148.99	78.14	54.100	
7,700.00	6,977.75	6,958.57	6,958.17	52.13	29.71	48.34	-2,131.23	-3,060.91	4,203.68	4,125.39	78.29	53.691	
7,750.00	7,014.32	6,995.35	6,994.95	52.20	29.87	46.11	-2,131.51	-3,061.01	4,176.98	4,098.56	78.42	53.265	
7,800.00	7,048.67	7,029.90	7,029.50	52.26	30.02	44.53	-2,131.78	-3,061.09	4,147.19	4,068.68	78.51	52.823	
7,850.00	7,080.59	7,062.02	7,061.61	52.33	30.15	43.55	-2,132.03	-3,061.18	4,114.49	4,035.91	78.58	52.364	
7,900.00	7,109.87	7,091.50	7,091.10	52.39	30.28	43.14	-2,132.26	-3,061.25	4,079.07	4,000.45	78.62	51.886	
7,950.00	7,136.35	7,118.18	7,117.77	52.47	30.39	43.31	-2,132.47	-3,061.32	4,041.14	3,962.50	78.63	51.391	
8,000.00	7,159.85	7,141.87	7,141.46	52.55	30.49	44.13	-2,132.66	-3,061.38	4,000.92	3,922.28	78.64	50.879	
8,050.00	7,180.23	7,162.44	7,162.03	52.64	30.58	45.71	-2,132.82	-3,061.43	3,958.65	3,880.03	78.62	50.349	
8,100.00	7,197.37	7,179.75	7,179.34	52.75	30.65	48.28	-2,132.95	-3,061.48	3,914.59	3,835.99	78.60	49.803	
8,150.00	7,211.16	7,193.71	7,193.30	52.88	30.71	52.22	-2,133.06	-3,061.51	3,868.98	3,790.41	78.57	49.243	
8,200.00	7,221.51	7,204.22	7,203.81	53.03	30.76	58.21	-2,133.14	-3,061.54	3,822.10	3,743.57	78.53	48.669	
8,250.00	7,228.37	7,211.22	7,210.82	53.20	30.79	67.42	-2,133.20	-3,061.56	3,774.22	3,695.73	78.49	48.084	
8,300.00	7,231.68	7,214.68	7,214.27	53.40	30.80	81.65	-2,133.22	-3,061.57	3,725.63	3,647.18	78.45	47.490	
8,317.45	7,232.00	7,215.04	7,214.63	53.47	30.80	88.11	-2,133.23	-3,061.57	3,708.55	3,630.11	78.44	47.281	
8,400.00	7,232.48	7,215.73	7,215.32	53.86	30.81	88.17	-2,133.23	-3,061.57	3,627.72	3,549.35	78.37	46.291	
8,500.00	7,233.06	7,216.56	7,216.15	54.44	30.81	88.23	-2,133.24	-3,061.57	3,529.90	3,451.61	78.29	45.088	
8,600.00	7,233.64	7,217.39	7,216.98	55.14	30.81	88.29	-2,133.25	-3,061.57	3,432.20	3,353.99	78.22	43.880	
8,700.00	7,234.22	7,218.23	7,217.82	55.99	30.82	88.36	-2,133.25	-3,061.57	3,334.65	3,256.49	78.16	42.666	
8,800.00	7,234.80	7,219.06	7,218.65	57.00	30.82	88.42	-2,133.26	-3,061.58	3,237.24	3,159.13	78.11	41.446	

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

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,219.89	7,219.48	58.18	30.82	88.49	-2,133.27	-3,061.58	3,139.99	3,061.92	78.07	40.219	
9,000.00	7,235.97	7,220.73	7,220.32	59.53	30.83	88.55	-2,133.27	-3,061.58	3,042.93	2,964.87	78.05	38.985	
9,100.00	7,236.55	7,221.56	7,221.15	61.04	30.83	88.61	-2,133.28	-3,061.58	2,946.05	2,868.00	78.06	37.742	
9,200.00	7,237.13	7,222.39	7,221.98	62.69	30.83	88.68	-2,133.28	-3,061.58	2,849.40	2,771.31	78.08	36.491	
9,300.00	7,237.71	7,223.23	7,222.82	64.47	30.84	88.74	-2,133.29	-3,061.59	2,752.98	2,674.84	78.14	35.230	
9,400.00	7,238.29	7,224.06	7,223.65	66.36	30.84	88.81	-2,133.30	-3,061.59	2,656.83	2,578.59	78.24	33.958	
9,500.00	7,238.87	7,224.89	7,224.48	68.34	30.84	88.87	-2,133.30	-3,061.59	2,560.97	2,482.59	78.38	32.675	
9,600.00	7,239.45	7,225.73	7,225.32	70.41	30.85	88.94	-2,133.31	-3,061.59	2,465.44	2,386.87	78.57	31.379	
9,700.00	7,240.03	7,226.56	7,226.15	72.55	30.85	89.00	-2,133.32	-3,061.60	2,370.28	2,291.46	78.83	30.070	
9,800.00	7,240.61	7,227.39	7,226.98	74.76	30.85	89.06	-2,133.32	-3,061.60	2,275.54	2,196.38	79.16	28.746	
9,900.00	7,241.20	7,228.23	7,227.82	77.02	30.86	89.13	-2,133.33	-3,061.60	2,181.26	2,101.67	79.59	27.407	
10,000.00	7,241.78	7,229.06	7,228.65	79.33	30.86	89.19	-2,133.34	-3,061.60	2,087.52	2,007.39	80.13	26.053	
10,100.00	7,242.36	7,229.89	7,229.48	81.68	30.87	89.26	-2,133.34	-3,061.60	1,994.38	1,913.58	80.80	24.683	
10,200.00	7,242.94	7,230.73	7,230.32	84.07	30.87	89.32	-2,133.35	-3,061.61	1,901.94	1,820.30	81.63	23.298	
10,300.00	7,243.52	7,231.56	7,231.15	86.49	30.87	89.39	-2,133.36	-3,061.61	1,810.30	1,727.64	82.66	21.899	
10,400.00	7,244.10	7,232.39	7,231.98	88.95	30.88	89.45	-2,133.36	-3,061.61	1,719.60	1,635.67	83.93	20.489	
10,500.00	7,244.68	7,233.23	7,232.82	91.43	30.88	89.51	-2,133.37	-3,061.61	1,629.98	1,544.51	85.47	19.071	
10,600.00	7,245.26	7,234.06	7,233.65	93.93	30.88	89.58	-2,133.38	-3,061.61	1,541.64	1,454.30	87.34	17.651	
10,700.00	7,245.84	7,234.89	7,234.48	96.46	30.89	89.64	-2,133.38	-3,061.62	1,454.81	1,365.20	89.61	16.235	
10,800.00	7,246.42	7,235.73	7,235.32	99.01	30.89	89.71	-2,133.39	-3,061.62	1,369.78	1,277.45	92.33	14.836	
10,900.00	7,247.01	7,236.56	7,236.15	101.58	30.89	89.77	-2,133.40	-3,061.62	1,286.90	1,191.31	95.59	13.463	
11,000.00	7,247.59	7,237.39	7,236.98	104.16	30.90	89.84	-2,133.40	-3,061.62	1,206.61	1,107.16	99.46	12.132	
11,100.00	7,248.17	7,238.23	7,237.82	106.76	30.90	89.90	-2,133.41	-3,061.62	1,129.48	1,025.47	104.01	10.859	
11,200.00	7,248.75	7,239.06	7,238.65	109.37	30.90	89.96	-2,133.41	-3,061.63	1,056.19	946.88	109.31	9.662	
11,300.00	7,249.33	7,239.89	7,239.48	112.00	30.91	90.03	-2,133.42	-3,061.63	987.59	872.21	115.39	8.559	
11,400.00	7,249.91	7,240.73	7,240.32	114.64	30.91	90.09	-2,133.43	-3,061.63	924.74	802.54	122.21	7.567	
11,500.00	7,250.49	7,241.56	7,241.15	117.29	30.92	90.16	-2,133.43	-3,061.63	868.88	739.25	129.64	6.702	
11,600.00	7,251.07	7,242.39	7,241.98	119.95	30.92	90.22	-2,133.44	-3,061.64	821.44	684.03	137.41	5.978	
11,700.00	7,251.65	7,243.23	7,242.82	122.62	30.92	90.29	-2,133.45	-3,061.64	783.94	638.85	145.09	5.403	
11,800.00	7,252.23	7,244.06	7,243.65	125.30	30.93	90.35	-2,133.45	-3,061.64	757.87	605.77	152.10	4.983	
11,900.00	7,252.82	7,244.89	7,244.48	127.98	30.93	90.41	-2,133.46	-3,061.64	744.42	586.62	157.80	4.718	
11,951.01	7,253.11	7,245.32	7,244.91	129.36	30.93	90.45	-2,133.46	-3,061.64	742.67	582.64	160.03	4.641	CC
12,000.00	7,253.40	7,245.73	7,245.32	130.68	30.93	90.48	-2,133.47	-3,061.64	744.29	582.60	161.69	4.603	ES, SF
12,100.00	7,253.98	7,246.56	7,246.15	133.38	30.94	90.54	-2,133.47	-3,061.65	757.47	593.95	163.52	4.632	
12,200.00	7,254.56	7,247.39	7,246.98	136.09	30.94	90.61	-2,133.48	-3,061.65	783.30	619.89	163.41	4.793	
12,300.00	7,255.14	7,248.23	7,247.82	138.81	30.94	90.67	-2,133.49	-3,061.65	820.58	658.88	161.70	5.075	
12,400.00	7,255.72	7,249.06	7,248.65	141.53	30.95	90.74	-2,133.49	-3,061.65	867.84	708.98	158.86	5.463	
12,500.00	7,256.30	7,249.89	7,249.48	144.26	30.95	90.80	-2,133.50	-3,061.65	923.55	768.20	155.35	5.945	
12,600.00	7,256.88	7,250.73	7,250.32	146.99	30.95	90.86	-2,133.51	-3,061.66	986.27	834.75	151.52	6.509	
12,700.00	7,257.46	7,251.56	7,251.15	149.73	30.96	90.93	-2,133.51	-3,061.66	1,054.76	907.12	147.64	7.144	
12,800.00	7,258.04	7,252.39	7,251.98	152.47	30.96	90.99	-2,133.52	-3,061.66	1,127.96	984.10	143.87	7.840	
12,900.00	7,258.63	7,253.23	7,252.82	155.22	30.96	91.06	-2,133.53	-3,061.66	1,205.03	1,064.73	140.30	8.589	
13,000.00	7,259.21	7,254.06	7,253.65	157.97	30.97	91.12	-2,133.53	-3,061.67	1,285.25	1,148.28	136.98	9.383	
13,100.00	7,259.79	7,254.89	7,254.48	160.72	30.97	91.19	-2,133.54	-3,061.67	1,368.09	1,234.17	133.92	10.216	
13,200.00	7,260.37	7,255.73	7,255.32	163.48	30.98	91.25	-2,133.54	-3,061.67	1,453.08	1,321.96	131.11	11.082	
13,300.00	7,260.95	7,256.56	7,256.15	166.24	30.98	91.31	-2,133.55	-3,061.67	1,539.88	1,411.32	128.56	11.978	
13,400.00	7,261.53	7,257.39	7,256.98	169.01	30.98	91.38	-2,133.56	-3,061.67	1,628.19	1,501.96	126.23	12.898	
13,480.77	7,262.00	7,258.07	7,257.66	171.24	30.99	91.43	-2,133.56	-3,061.68	1,700.47	1,575.96	124.51	13.658	

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

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-GYRO-NS — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	5.46	5.46	3.28	3.28	-117.00	-863.71	-1,695.35	1,902.69				
100.00	100.00	114.64	114.64	3.28	3.29	-116.99	-863.41	-1,695.18	1,902.42	1,895.85	6.57	289.381	
200.00	200.00	214.06	214.06	3.34	3.35	-117.00	-863.33	-1,694.70	1,901.95	1,895.26	6.69	284.224	
300.00	300.00	310.92	310.92	3.44	3.47	-117.01	-863.48	-1,694.19	1,901.55	1,894.64	6.91	275.172	
400.00	399.98	406.81	406.81	3.60	3.62	87.92	-863.73	-1,693.85	1,901.30	1,894.08	7.21	263.544	
500.00	499.84	509.03	509.03	3.79	3.82	88.08	-863.90	-1,693.59	1,900.95	1,893.35	7.61	249.833	
600.00	599.45	605.95	605.95	4.02	4.05	88.34	-863.89	-1,693.44	1,900.54	1,892.47	8.07	235.512	
663.22	662.25	661.11	661.11	4.19	4.20	88.54	-863.87	-1,693.54	1,900.43	1,892.05	8.38	226.783	CC
700.00	698.70	693.43	693.43	4.29	4.28	88.67	-863.85	-1,693.70	1,900.47	1,891.90	8.57	221.754	
800.00	797.47	789.47	789.46	4.59	4.56	89.12	-864.01	-1,694.30	1,900.80	1,891.65	9.15	207.740	
900.00	895.62	893.54	893.53	4.93	4.87	89.71	-864.18	-1,694.85	1,901.16	1,891.35	9.81	193.826	
1,000.00	993.06	991.83	991.82	5.31	5.19	90.38	-864.00	-1,695.30	1,901.53	1,891.03	10.50	181.082	
1,100.00	1,089.64	1,094.30	1,094.29	5.72	5.54	91.17	-863.94	-1,695.54	1,902.09	1,890.83	11.25	169.001	ES
1,200.00	1,185.27	1,184.38	1,184.37	6.16	5.85	91.94	-864.23	-1,695.56	1,903.07	1,891.06	12.01	158.435	
1,300.00	1,279.82	1,267.38	1,267.37	6.64	6.15	92.70	-864.73	-1,695.87	1,905.09	1,892.31	12.79	149.000	
1,400.00	1,373.17	1,358.43	1,358.41	7.15	6.48	93.62	-865.01	-1,696.83	1,908.36	1,894.73	13.63	139.991	
1,500.00	1,465.21	1,461.57	1,461.54	7.70	6.87	94.73	-865.80	-1,697.43	1,912.32	1,897.75	14.57	131.268	
1,600.00	1,555.84	1,565.44	1,565.42	8.30	7.26	95.93	-866.43	-1,697.31	1,916.75	1,901.20	15.55	123.243	
1,651.50	1,601.92	1,617.74	1,617.71	8.62	7.46	96.57	-866.70	-1,697.00	1,919.31	1,903.24	16.07	119.427	
1,700.00	1,645.13	1,662.90	1,662.87	8.93	7.64	97.17	-866.85	-1,696.68	1,921.95	1,905.40	16.55	116.119	
1,800.00	1,734.20	1,741.67	1,741.64	9.58	7.94	98.22	-866.97	-1,696.17	1,928.18	1,910.68	17.50	110.159	
1,900.00	1,823.28	1,813.50	1,813.46	10.25	8.22	99.18	-867.00	-1,696.47	1,936.31	1,917.86	18.44	105.002	
2,000.00	1,912.36	1,908.48	1,908.44	10.94	8.60	100.44	-867.39	-1,696.98	1,945.65	1,926.17	19.48	99.858	
2,100.00	2,001.43	1,998.98	1,998.94	11.63	8.95	101.62	-867.88	-1,697.27	1,955.84	1,935.32	20.52	95.323	
2,200.00	2,090.51	2,098.02	2,097.98	12.34	9.35	102.90	-868.38	-1,697.30	1,966.76	1,945.16	21.59	91.075	
2,300.00	2,179.59	2,180.42	2,180.38	13.05	9.68	103.96	-868.65	-1,697.28	1,978.56	1,955.96	22.60	87.532	
2,400.00	2,268.66	2,265.26	2,265.22	13.76	10.02	105.04	-868.71	-1,697.57	1,991.60	1,967.97	23.62	84.302	
2,500.00	2,357.74	2,357.09	2,357.04	14.49	10.39	106.20	-869.09	-1,697.90	2,005.65	1,980.97	24.68	81.274	
2,600.00	2,446.82	2,449.94	2,449.90	15.21	10.77	107.35	-869.55	-1,697.99	2,020.40	1,994.66	25.74	78.507	
2,700.00	2,535.89	2,540.50	2,540.46	15.95	11.14	108.46	-870.00	-1,698.01	2,035.96	2,009.18	26.78	76.023	
2,800.00	2,624.97	2,631.90	2,631.86	16.68	11.52	109.56	-870.36	-1,697.96	2,052.32	2,024.49	27.83	73.749	
2,900.00	2,714.05	2,722.90	2,722.85	17.42	11.89	110.65	-870.68	-1,697.80	2,069.42	2,040.55	28.87	71.678	
3,000.00	2,803.12	2,810.97	2,810.93	18.16	12.25	111.68	-871.26	-1,697.68	2,087.40	2,057.50	29.90	69.821	
3,100.00	2,892.20	2,913.73	2,913.68	18.90	12.68	112.87	-871.94	-1,697.20	2,105.89	2,074.90	30.99	67.953	
3,200.00	2,981.28	2,990.47	2,990.42	19.65	13.00	113.74	-872.29	-1,696.90	2,125.22	2,093.27	31.95	66.515	
3,300.00	3,070.36	3,081.42	3,081.36	20.40	13.37	114.77	-872.58	-1,696.73	2,145.51	2,112.53	32.98	65.059	
3,400.00	3,159.43	3,163.67	3,163.62	21.14	13.72	115.68	-872.81	-1,696.60	2,166.58	2,132.63	33.95	63.809	
3,500.00	3,248.51	3,244.22	3,244.16	21.89	14.05	116.56	-873.10	-1,696.81	2,188.75	2,153.84	34.92	62.688	
3,600.00	3,337.59	3,330.92	3,330.86	22.65	14.41	117.49	-873.32	-1,697.32	2,211.93	2,176.02	35.90	61.608	
3,700.00	3,426.66	3,425.56	3,425.50	23.40	14.81	118.49	-873.82	-1,697.70	2,235.58	2,198.65	36.93	60.536	
3,800.00	3,515.74	3,509.48	3,509.42	24.15	15.16	119.36	-874.13	-1,698.06	2,259.94	2,222.05	37.89	59.642	
3,900.00	3,604.82	3,592.74	3,592.68	24.91	15.51	120.20	-874.47	-1,698.64	2,285.17	2,246.32	38.84	58.829	
4,000.00	3,693.89	3,696.99	3,696.92	25.66	15.94	121.23	-875.36	-1,699.26	2,310.86	2,270.95	39.91	57.896	
4,100.00	3,782.97	3,786.94	3,786.86	26.42	16.32	122.09	-876.41	-1,699.49	2,336.79	2,295.89	40.90	57.138	
4,200.00	3,872.05	3,868.84	3,868.76	27.18	16.66	122.86	-877.33	-1,699.81	2,363.40	2,321.57	41.83	56.502	
4,300.00	3,961.12	3,946.70	3,946.61	27.94	16.99	123.59	-878.07	-1,700.40	2,390.91	2,348.18	42.73	55.956	
4,400.00	4,050.20	4,026.14	4,026.04	28.69	17.32	124.32	-878.50	-1,701.37	2,419.41	2,375.78	43.63	55.452	
4,500.00	4,139.28	4,113.51	4,113.41	29.45	17.69	125.11	-878.84	-1,702.55	2,448.57	2,404.00	44.58	54.930	
4,600.00	4,228.35	4,198.39	4,198.28	30.21	18.05	125.86	-879.05	-1,703.77	2,478.35	2,432.85	45.50	54.467	
4,700.00	4,317.43	4,291.44	4,291.32	30.97	18.44	126.69	-878.60	-1,704.93	2,508.61	2,462.13	46.47	53.980	
4,800.00	4,406.51	4,401.80	4,401.67	31.73	18.90	127.66	-877.31	-1,705.53	2,538.93	2,491.38	47.55	53.395	
4,900.00	4,495.59	4,502.86	4,502.73	32.50	19.33	128.54	-876.17	-1,705.35	2,569.11	2,520.55	48.56	52.903	

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

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

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,596.13	4,595.99	33.26	19.72	129.32	-875.48	-1,704.99	2,599.48	2,549.96	49.52	52.489	
5,100.00	4,673.74	4,672.92	4,672.78	34.02	20.04	129.95	-875.08	-1,704.83	2,630.41	2,580.03	50.38	52.215	
5,200.00	4,762.82	4,774.38	4,774.23	34.78	20.46	130.77	-874.07	-1,704.64	2,661.93	2,610.54	51.38	51.804	
5,300.00	4,851.89	4,864.37	4,864.21	35.54	20.84	131.49	-873.33	-1,704.04	2,693.39	2,641.07	52.31	51.485	
5,400.00	4,940.97	4,959.72	4,959.57	36.31	21.24	132.21	-873.08	-1,703.65	2,725.31	2,672.03	53.28	51.152	
5,500.00	5,030.05	5,043.45	5,043.30	37.07	21.60	132.84	-872.76	-1,703.03	2,757.38	2,703.22	54.16	50.910	
5,600.00	5,119.12	5,116.30	5,116.14	37.83	21.90	133.38	-872.32	-1,702.88	2,790.33	2,735.36	54.97	50.763	
5,700.00	5,208.20	5,199.45	5,199.29	38.60	22.25	133.98	-871.74	-1,703.00	2,823.96	2,768.12	55.84	50.573	
5,800.00	5,297.28	5,284.81	5,284.65	39.36	22.61	134.59	-871.10	-1,703.24	2,858.07	2,801.34	56.72	50.386	
5,900.00	5,386.35	5,374.01	5,373.84	40.13	22.99	135.21	-870.45	-1,703.57	2,892.57	2,834.93	57.63	50.190	
6,000.00	5,475.43	5,460.85	5,460.69	40.89	23.36	135.80	-869.94	-1,703.93	2,927.38	2,868.86	58.52	50.021	
6,100.00	5,564.51	5,553.31	5,553.14	41.66	23.75	136.41	-869.50	-1,704.41	2,962.54	2,903.09	59.45	49.831	
6,200.00	5,653.58	5,642.11	5,641.94	42.42	24.12	136.98	-869.11	-1,704.69	2,997.82	2,937.47	60.35	49.671	
6,300.00	5,742.66	5,725.85	5,725.68	43.19	24.48	137.51	-868.75	-1,705.16	3,033.57	2,972.36	61.22	49.556	
6,400.00	5,831.74	5,819.18	5,819.00	43.95	24.87	138.09	-868.23	-1,705.58	3,069.56	3,007.42	62.15	49.392	
6,500.00	5,920.82	5,912.95	5,912.77	44.72	25.27	138.65	-867.78	-1,705.88	3,105.68	3,042.60	63.08	49.234	
6,600.00	6,009.89	5,992.92	5,992.75	45.48	25.61	139.12	-867.56	-1,706.30	3,142.14	3,078.23	63.91	49.165	
6,700.00	6,098.97	6,113.76	6,113.58	46.25	26.12	139.82	-867.38	-1,706.39	3,178.41	3,113.37	65.04	48.867	
6,800.00	6,188.05	6,186.15	6,185.97	47.01	26.43	140.23	-867.38	-1,706.35	3,214.79	3,148.97	65.81	48.846	
6,900.00	6,277.12	6,273.49	6,273.30	47.78	26.80	140.70	-867.74	-1,706.85	3,251.68	3,184.98	66.70	48.752	
7,000.00	6,366.20	6,347.33	6,347.14	48.55	27.11	141.08	-868.42	-1,707.57	3,288.91	3,221.43	67.48	48.739	
7,100.00	6,455.28	6,413.72	6,413.52	49.31	27.39	141.42	-868.89	-1,708.66	3,326.91	3,258.71	68.20	48.783	
7,197.64	6,542.25	6,477.78	6,477.57	50.06	27.67	141.74	-868.87	-1,709.93	3,364.79	3,295.90	68.89	48.844	
7,200.00	6,544.35	6,479.32	6,479.11	50.08	27.67	141.32	-868.86	-1,709.96	3,365.71	3,296.81	68.90	48.846	
7,250.00	6,589.22	6,513.31	6,513.09	50.44	27.82	131.99	-868.59	-1,710.69	3,383.66	3,314.41	69.26	48.857	
7,300.00	6,634.48	6,549.53	6,549.30	50.77	27.97	122.08	-868.17	-1,711.51	3,398.54	3,328.94	69.61	48.825	
7,350.00	6,679.86	6,585.82	6,585.57	51.06	28.13	112.09	-867.64	-1,712.37	3,410.28	3,340.35	69.94	48.763	
7,400.00	6,725.09	6,653.09	6,652.82	51.31	28.41	102.82	-866.41	-1,713.75	3,418.72	3,348.23	70.49	48.499	
7,450.00	6,769.87	6,722.77	6,722.48	51.52	28.71	94.60	-864.92	-1,714.31	3,423.39	3,352.36	71.03	48.199	
7,500.00	6,813.94	6,772.18	6,771.88	51.69	28.92	87.48	-864.05	-1,714.61	3,424.62	3,353.26	71.36	47.988	
7,550.00	6,857.03	6,817.04	6,816.74	51.84	29.11	81.62	-863.46	-1,714.94	3,422.52	3,350.89	71.63	47.780	
7,600.00	6,898.86	6,855.76	6,855.45	51.95	29.27	76.94	-862.94	-1,715.23	3,417.22	3,345.40	71.81	47.585	
7,650.00	6,939.19	6,893.06	6,892.74	52.05	29.43	73.33	-862.38	-1,715.52	3,408.79	3,336.84	71.95	47.376	
7,700.00	6,977.75	6,930.10	6,929.78	52.13	29.59	70.66	-861.75	-1,715.78	3,397.31	3,325.25	72.06	47.145	
7,750.00	7,014.32	6,965.42	6,965.09	52.20	29.74	68.80	-861.06	-1,715.98	3,382.87	3,310.74	72.14	46.896	
7,800.00	7,048.67	6,998.47	6,998.13	52.26	29.88	67.66	-860.33	-1,716.13	3,365.60	3,293.42	72.18	46.630	
7,850.00	7,080.59	7,031.47	7,031.13	52.33	30.02	67.17	-859.56	-1,716.24	3,345.61	3,273.39	72.21	46.331	
7,900.00	7,109.87	7,061.87	7,061.51	52.39	30.15	67.27	-858.85	-1,716.33	3,323.03	3,250.80	72.23	46.008	
7,950.00	7,136.35	7,089.34	7,088.97	52.47	30.26	67.91	-858.22	-1,716.41	3,298.04	3,225.81	72.23	45.661	
8,000.00	7,159.85	7,113.13	7,112.76	52.55	30.37	69.07	-857.67	-1,716.46	3,270.80	3,198.58	72.22	45.290	
8,050.00	7,180.23	7,133.40	7,133.03	52.64	30.45	70.73	-857.20	-1,716.51	3,241.50	3,169.29	72.21	44.891	
8,100.00	7,197.37	7,150.47	7,150.09	52.75	30.53	72.89	-856.80	-1,716.55	3,210.33	3,138.12	72.20	44.462	
8,150.00	7,211.16	7,164.22	7,163.84	52.88	30.58	75.56	-856.49	-1,716.58	3,177.47	3,105.26	72.21	44.001	
8,200.00	7,221.51	7,174.58	7,174.19	53.03	30.63	78.74	-856.25	-1,716.60	3,143.14	3,070.89	72.24	43.507	
8,250.00	7,228.37	7,181.48	7,181.09	53.20	30.66	82.42	-856.09	-1,716.62	3,107.51	3,035.22	72.30	42.983	
8,300.00	7,231.68	7,184.88	7,184.49	53.40	30.67	86.58	-856.01	-1,716.63	3,070.81	2,998.44	72.37	42.431	
8,317.45	7,232.00	7,185.23	7,184.84	53.47	30.67	88.15	-856.00	-1,716.63	3,057.78	2,985.38	72.41	42.231	
8,400.00	7,232.48	7,185.91	7,185.52	53.86	30.68	88.17	-855.99	-1,716.63	2,996.42	2,923.81	72.61	41.266	
8,500.00	7,233.06	7,186.73	7,186.34	54.44	30.68	88.19	-855.97	-1,716.63	2,923.49	2,850.48	73.01	40.045	
8,600.00	7,233.64	7,187.54	7,187.15	55.14	30.68	88.21	-855.95	-1,716.63	2,852.19	2,778.62	73.57	38.768	
8,700.00	7,234.22	7,188.36	7,187.97	55.99	30.69	88.24	-855.93	-1,716.64	2,782.66	2,708.34	74.32	37.439	
8,800.00	7,234.80	7,189.18	7,188.79	57.00	30.69	88.26	-855.91	-1,716.64	2,715.04	2,639.75	75.28	36.065	

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

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,189.99	7,189.60	58.18	30.69	88.28	-855.89	-1,716.64	2,649.46	2,573.00	76.46	34.653	
9,000.00	7,235.97	7,190.81	7,190.42	59.53	30.70	88.30	-855.87	-1,716.64	2,586.09	2,508.23	77.86	33.216	
9,100.00	7,236.55	7,191.63	7,191.24	61.04	30.70	88.33	-855.85	-1,716.64	2,525.09	2,445.60	79.49	31.767	
9,200.00	7,237.13	7,192.45	7,192.05	62.69	30.70	88.35	-855.83	-1,716.64	2,466.63	2,385.28	81.36	30.319	
9,300.00	7,237.71	7,193.26	7,192.87	64.47	30.71	88.37	-855.82	-1,716.65	2,410.91	2,327.45	83.46	28.888	
9,400.00	7,238.29	7,194.08	7,193.69	66.36	30.71	88.40	-855.80	-1,716.65	2,358.11	2,272.32	85.79	27.488	
9,500.00	7,238.87	7,194.90	7,194.51	68.34	30.71	88.42	-855.78	-1,716.65	2,308.44	2,220.11	88.33	26.134	
9,600.00	7,239.45	7,195.71	7,195.32	70.41	30.72	88.44	-855.76	-1,716.65	2,262.10	2,171.02	91.08	24.837	
9,700.00	7,240.03	7,196.53	7,196.14	72.55	30.72	88.47	-855.74	-1,716.65	2,219.30	2,125.29	94.01	23.607	
9,800.00	7,240.61	7,197.35	7,196.96	74.76	30.73	88.49	-855.72	-1,716.66	2,180.25	2,083.15	97.10	22.454	
9,900.00	7,241.20	7,198.17	7,197.77	77.02	30.73	88.51	-855.70	-1,716.66	2,145.16	2,044.84	100.32	21.383	
10,000.00	7,241.78	7,198.98	7,198.59	79.33	30.73	88.54	-855.68	-1,716.66	2,114.21	2,010.57	103.64	20.400	
10,100.00	7,242.36	7,199.80	7,199.41	81.68	30.74	88.56	-855.66	-1,716.66	2,087.61	1,980.58	107.02	19.506	
10,200.00	7,242.94	7,200.62	7,200.22	84.07	30.74	88.58	-855.65	-1,716.66	2,065.50	1,955.07	110.44	18.703	
10,300.00	7,243.52	7,201.43	7,201.04	86.49	30.74	88.61	-855.63	-1,716.67	2,048.05	1,934.21	113.84	17.991	
10,400.00	7,244.10	7,202.25	7,201.86	88.95	30.75	88.63	-855.61	-1,716.67	2,035.36	1,918.17	117.19	17.368	
10,500.00	7,244.68	7,203.07	7,202.68	91.43	30.75	88.65	-855.59	-1,716.67	2,027.53	1,907.07	120.46	16.832	
10,600.00	7,245.26	7,203.89	7,203.49	93.93	30.75	88.67	-855.57	-1,716.67	2,024.61	1,901.01	123.60	16.380	
10,609.05	7,245.32	7,203.96	7,203.57	94.16	30.75	88.68	-855.57	-1,716.67	2,024.59	1,900.71	123.88	16.343	
10,700.00	7,245.84	7,204.70	7,204.31	96.46	30.76	88.70	-855.55	-1,716.67	2,026.64	1,900.04	126.59	16.009	
10,800.00	7,246.42	7,205.52	7,205.13	99.01	30.76	88.72	-855.53	-1,716.68	2,033.58	1,904.18	129.40	15.715	
10,900.00	7,247.01	7,206.34	7,205.94	101.58	30.76	88.74	-855.51	-1,716.68	2,045.39	1,913.38	132.01	15.494	
11,000.00	7,247.59	7,207.16	7,206.76	104.16	30.77	88.77	-855.49	-1,716.68	2,061.99	1,927.59	134.40	15.342	
11,100.00	7,248.17	7,207.97	7,207.58	106.76	30.77	88.79	-855.48	-1,716.68	2,083.27	1,946.70	136.57	15.255	
11,200.00	7,248.75	7,208.79	7,208.39	109.37	30.77	88.81	-855.46	-1,716.68	2,109.07	1,970.58	138.50	15.228	SF
11,300.00	7,249.33	7,209.61	7,209.21	112.00	30.78	88.84	-855.44	-1,716.68	2,139.24	1,999.05	140.19	15.259	
11,400.00	7,249.91	7,210.42	7,210.03	114.64	30.78	88.86	-855.42	-1,716.69	2,173.60	2,031.94	141.67	15.343	
11,500.00	7,250.49	7,211.24	7,210.84	117.29	30.78	88.88	-855.40	-1,716.69	2,211.95	2,069.03	142.92	15.477	
11,600.00	7,251.07	7,212.06	7,211.66	119.95	30.79	88.91	-855.38	-1,716.69	2,254.09	2,110.11	143.97	15.656	
11,700.00	7,251.65	7,212.88	7,212.48	122.62	30.79	88.93	-855.36	-1,716.69	2,299.80	2,154.96	144.84	15.879	
11,800.00	7,252.23	7,213.69	7,213.30	125.30	30.79	88.95	-855.34	-1,716.69	2,348.88	2,203.36	145.52	16.141	
11,900.00	7,252.82	7,214.51	7,214.11	127.98	30.80	88.98	-855.32	-1,716.70	2,401.13	2,255.08	146.05	16.440	
12,000.00	7,253.40	7,215.33	7,214.93	130.68	30.80	89.00	-855.31	-1,716.70	2,456.34	2,309.90	146.44	16.774	
12,100.00	7,253.98	7,216.14	7,215.75	133.38	30.81	89.02	-855.29	-1,716.70	2,514.31	2,367.62	146.70	17.140	
12,200.00	7,254.56	7,216.96	7,216.56	136.09	30.81	89.04	-855.27	-1,716.70	2,574.87	2,428.02	146.84	17.535	
12,300.00	7,255.14	7,217.78	7,217.38	138.81	30.81	89.07	-855.25	-1,716.70	2,637.82	2,490.93	146.89	17.957	
12,400.00	7,255.72	7,218.60	7,218.20	141.53	30.82	89.09	-855.23	-1,716.71	2,703.01	2,556.15	146.86	18.406	
12,500.00	7,256.30	7,219.41	7,219.01	144.26	30.82	89.11	-855.21	-1,716.71	2,770.28	2,623.53	146.75	18.877	
12,600.00	7,256.88	7,220.23	7,219.83	146.99	30.82	89.14	-855.19	-1,716.71	2,839.47	2,692.89	146.58	19.371	
12,700.00	7,257.46	7,221.05	7,220.65	149.73	30.83	89.16	-855.17	-1,716.71	2,910.46	2,764.10	146.36	19.886	
12,800.00	7,258.04	7,221.86	7,221.47	152.47	30.83	89.18	-855.15	-1,716.71	2,983.11	2,837.01	146.09	20.419	
12,900.00	7,258.63	7,222.68	7,222.28	155.22	30.83	89.21	-855.14	-1,716.71	3,057.30	2,911.51	145.79	20.970	
13,000.00	7,259.21	7,223.50	7,223.10	157.97	30.84	89.23	-855.12	-1,716.72	3,132.93	2,987.47	145.46	21.538	
13,100.00	7,259.79	7,224.32	7,223.92	160.72	30.84	89.25	-855.10	-1,716.72	3,209.89	3,064.79	145.11	22.121	
13,200.00	7,260.37	7,225.13	7,224.73	163.48	30.84	89.28	-855.08	-1,716.72	3,288.09	3,143.36	144.73	22.718	
13,300.00	7,260.95	7,225.95	7,225.55	166.24	30.85	89.30	-855.06	-1,716.72	3,367.45	3,223.11	144.34	23.329	
13,400.00	7,261.53	7,226.77	7,226.37	169.01	30.85	89.32	-855.04	-1,716.72	3,447.88	3,303.94	143.94	23.953	
13,480.77	7,262.00	7,227.43	7,227.03	171.24	30.85	89.34	-855.03	-1,716.73	3,513.58	3,369.96	143.62	24.465	

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

Offset Design Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-130.76	-634.61	-736.15	972.12				
100.00	100.00	81.00	81.00	3.28	3.57	-130.76	-634.61	-736.15	971.93	965.07	6.86	141.754	
200.00	200.00	181.00	181.00	3.34	5.63	-130.76	-634.61	-736.15	971.93	962.97	8.96	108.415	
300.00	300.00	281.00	281.00	3.44	8.71	-130.76	-634.61	-736.15	971.93	959.78	12.15	79.990	
400.00	399.98	380.98	380.98	3.60	12.01	74.22	-634.61	-736.15	971.46	955.85	15.61	62.246	
500.00	499.84	480.84	480.84	3.79	15.39	74.55	-634.61	-736.15	970.04	950.87	19.18	50.577	
600.00	599.45	580.45	580.45	4.02	18.81	75.09	-634.61	-736.15	967.75	944.93	22.82	42.402	
700.00	698.70	679.70	679.70	4.29	22.23	75.84	-634.61	-736.15	964.67	938.16	26.51	36.384	
800.00	797.47	778.47	778.47	4.59	25.64	76.81	-634.61	-736.15	960.93	930.70	30.23	31.783	
900.00	895.62	876.62	876.62	4.93	29.04	77.99	-634.61	-736.15	956.69	922.72	33.98	28.158	
1,000.00	993.06	974.06	974.06	5.31	32.43	79.37	-634.61	-736.15	952.17	914.43	37.73	25.235	
1,100.00	1,089.64	1,070.64	1,070.64	5.72	35.78	80.94	-634.61	-736.15	947.59	906.09	41.49	22.837	
1,200.00	1,185.27	1,166.27	1,166.27	6.16	39.11	82.71	-634.61	-736.15	943.25	897.99	45.26	20.840	
1,300.00	1,279.82	1,260.82	1,260.82	6.64	42.40	84.65	-634.61	-736.15	939.46	890.43	49.03	19.161	
1,400.00	1,373.17	1,354.17	1,354.17	7.15	45.65	86.74	-634.61	-736.15	936.58	883.79	52.79	17.740	
1,500.00	1,465.21	1,446.21	1,446.21	7.70	48.85	88.97	-634.61	-736.15	935.00	878.45	56.55	16.533	
1,544.30	1,505.54	1,486.54	1,486.54	7.96	50.26	90.00	-634.61	-736.15	934.82	876.60	58.22	16.056 CC	
1,600.00	1,555.84	1,536.84	1,536.84	8.30	52.01	91.32	-634.61	-736.15	935.13	874.82	60.31	15.506	
1,651.50	1,601.92	1,582.92	1,582.92	8.62	53.61	92.56	-634.61	-736.15	936.00	873.77	62.23	15.041	
1,700.00	1,645.13	1,626.13	1,626.13	8.93	55.12	93.76	-634.61	-736.15	937.36	873.32	64.04	14.636 ES	
1,800.00	1,734.20	1,715.20	1,715.20	9.58	58.22	96.22	-634.61	-736.15	941.80	874.00	67.80	13.891	
1,900.00	1,823.28	1,804.28	1,804.28	10.25	61.33	98.66	-634.61	-736.15	948.39	876.83	71.56	13.253	
2,000.00	1,912.36	1,906.64	1,893.36	10.94	64.90	101.07	-634.61	-736.15	957.10	881.31	75.79	12.629	
2,100.00	2,001.43	1,982.43	1,982.43	11.63	67.54	103.44	-634.61	-736.15	967.87	888.78	79.09	12.238	
2,200.00	2,090.51	2,071.51	2,071.51	12.34	70.65	105.76	-634.61	-736.15	980.62	897.78	82.85	11.837	
2,300.00	2,179.59	2,160.59	2,160.59	13.05	73.75	108.03	-634.61	-736.15	995.29	908.69	86.60	11.493	
2,400.00	2,268.66	2,249.66	2,249.66	13.76	76.86	110.25	-634.61	-736.15	1,011.79	921.45	90.34	11.200	
2,500.00	2,357.74	2,338.74	2,338.74	14.49	79.97	112.40	-634.61	-736.15	1,030.03	935.96	94.07	10.949	
2,600.00	2,446.82	2,427.82	2,427.82	15.21	83.07	114.49	-634.61	-736.15	1,049.93	952.13	97.80	10.736	
2,700.00	2,535.89	2,516.89	2,516.89	15.95	86.18	116.51	-634.61	-736.15	1,071.38	969.87	101.51	10.555	
2,800.00	2,624.97	2,605.97	2,605.97	16.68	89.29	118.46	-634.61	-736.15	1,094.30	989.10	105.21	10.401	
2,900.00	2,714.05	2,704.95	2,695.05	17.42	92.74	120.34	-634.61	-736.15	1,118.60	1,009.36	109.24	10.240	
3,000.00	2,803.12	2,784.12	2,784.12	18.16	95.50	122.16	-634.61	-736.15	1,144.19	1,031.62	112.57	10.164	
3,100.00	2,892.20	2,873.20	2,873.20	18.90	98.61	123.90	-634.61	-736.15	1,170.98	1,054.74	116.24	10.074	
3,200.00	2,981.28	2,962.28	2,962.28	19.65	101.72	125.58	-634.61	-736.15	1,198.90	1,079.00	119.90	9.999	
3,300.00	3,070.36	3,051.36	3,051.36	20.40	104.83	127.18	-634.61	-736.15	1,227.87	1,104.31	123.55	9.938	
3,400.00	3,159.43	3,140.43	3,140.43	21.14	107.94	128.73	-634.61	-736.15	1,257.81	1,130.61	127.20	9.889	
3,500.00	3,248.51	3,229.51	3,229.51	21.89	111.05	130.20	-634.61	-736.15	1,288.66	1,157.82	130.83	9.849	
3,600.00	3,337.59	3,318.59	3,318.59	22.65	114.15	131.62	-634.61	-736.15	1,320.35	1,185.88	134.47	9.819	
3,700.00	3,426.66	3,407.66	3,407.66	23.40	117.26	132.98	-634.61	-736.15	1,352.82	1,214.73	138.09	9.796	
3,800.00	3,515.74	3,503.26	3,496.74	24.15	120.60	134.28	-634.61	-736.15	1,386.03	1,244.09	141.94	9.765	
3,900.00	3,604.82	3,585.82	3,585.82	24.91	123.48	135.52	-634.61	-736.15	1,419.91	1,274.58	145.33	9.770	
4,000.00	3,693.89	3,674.89	3,674.89	25.66	126.59	136.71	-634.61	-736.15	1,454.43	1,305.48	148.95	9.765	
4,100.00	3,782.97	3,763.97	3,763.97	26.42	129.70	137.86	-634.61	-736.15	1,489.53	1,336.97	152.56	9.764	
4,200.00	3,872.05	3,853.05	3,853.05	27.18	132.81	138.95	-634.61	-736.15	1,525.18	1,369.01	156.17	9.766	
4,300.00	3,961.12	3,942.12	3,942.12	27.94	135.91	140.00	-634.61	-736.15	1,561.33	1,401.56	159.77	9.772	
4,400.00	4,050.20	4,031.20	4,031.20	28.69	139.02	141.00	-634.61	-736.15	1,597.97	1,434.59	163.38	9.781	
4,500.00	4,139.28	4,120.28	4,120.28	29.45	142.13	141.96	-634.61	-736.15	1,635.04	1,468.06	166.98	9.792	
4,600.00	4,228.35	4,209.35	4,209.35	30.21	145.24	142.89	-634.61	-736.15	1,672.53	1,501.94	170.59	9.804	
4,700.00	4,317.43	4,301.57	4,298.43	30.97	148.46	143.77	-634.61	-736.15	1,710.40	1,536.10	174.30	9.813	
4,800.00	4,406.51	4,387.51	4,387.51	31.73	151.46	144.62	-634.61	-736.15	1,748.63	1,570.84	177.79	9.835	
4,900.00	4,495.59	4,476.59	4,476.59	32.50	154.57	145.43	-634.61	-736.15	1,787.21	1,605.81	181.39	9.853	

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

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

Offset Design Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,565.66	4,565.66	33.26	157.68	146.22	-634.61	-736.15	1,826.09	1,641.10	185.00	9.871	
5,100.00	4,673.74	4,654.74	4,654.74	34.02	160.79	146.97	-634.61	-736.15	1,865.28	1,676.68	188.60	9.890	
5,200.00	4,762.82	4,743.82	4,743.82	34.78	163.89	147.69	-634.61	-736.15	1,904.74	1,712.54	192.20	9.910	
5,300.00	4,851.89	4,832.89	4,832.89	35.54	167.00	148.39	-634.61	-736.15	1,944.46	1,748.66	195.80	9.931	
5,400.00	4,940.97	4,921.97	4,921.97	36.31	170.11	149.06	-634.61	-736.15	1,984.43	1,785.03	199.40	9.952	
5,500.00	5,030.05	5,011.05	5,011.05	37.07	173.22	149.70	-634.61	-736.15	2,024.63	1,821.63	203.00	9.973	
5,600.00	5,119.12	5,100.12	5,100.12	37.83	176.33	150.32	-634.61	-736.15	2,065.05	1,858.45	206.61	9.995	
5,700.00	5,208.20	5,189.20	5,189.20	38.60	179.44	150.92	-634.61	-736.15	2,105.67	1,895.47	210.21	10.017	
5,800.00	5,297.28	5,278.28	5,278.28	39.36	182.55	151.49	-634.61	-736.15	2,146.49	1,932.68	213.81	10.039	
5,900.00	5,386.35	5,367.35	5,367.35	40.13	185.66	152.05	-634.61	-736.15	2,187.49	1,970.07	217.42	10.061	
6,000.00	5,475.43	5,456.43	5,456.43	40.89	188.77	152.58	-634.61	-736.15	2,228.66	2,007.64	221.02	10.083	
6,100.00	5,564.51	5,545.51	5,545.51	41.66	191.88	153.10	-634.61	-736.15	2,270.00	2,045.37	224.63	10.106	
6,200.00	5,653.58	5,634.58	5,634.58	42.42	194.99	153.60	-634.61	-736.15	2,311.49	2,083.25	228.23	10.128	
6,300.00	5,742.66	5,723.66	5,723.66	43.19	198.10	154.08	-634.61	-736.15	2,353.12	2,121.28	231.84	10.150	
6,400.00	5,831.74	5,812.74	5,812.74	43.95	201.20	154.55	-634.61	-736.15	2,394.89	2,159.45	235.45	10.172	
6,500.00	5,920.82	5,901.82	5,901.82	44.72	204.31	155.00	-634.61	-736.15	2,436.80	2,197.75	239.05	10.194	
6,600.00	6,009.89	6,009.11	5,990.89	45.48	208.06	155.43	-634.61	-736.15	2,478.83	2,235.53	243.30	10.188	
6,700.00	6,098.97	6,079.97	6,079.97	46.25	210.53	155.86	-634.61	-736.15	2,520.98	2,274.71	246.27	10.237	
6,800.00	6,188.05	6,169.05	6,169.05	47.01	213.64	156.26	-634.61	-736.15	2,563.24	2,313.36	249.88	10.258	
6,900.00	6,277.12	6,258.12	6,258.12	47.78	216.75	156.66	-634.61	-736.15	2,605.61	2,352.11	253.49	10.279	
7,000.00	6,366.20	6,347.20	6,347.20	48.55	219.86	157.04	-634.61	-736.15	2,648.08	2,390.97	257.10	10.300	
7,100.00	6,455.28	6,436.28	6,436.28	49.31	222.97	157.42	-634.61	-736.15	2,690.64	2,429.93	260.72	10.320	
7,197.64	6,542.25	6,523.25	6,523.25	50.06	226.01	157.77	-634.61	-736.15	2,732.30	2,468.05	264.24	10.340	
7,200.00	6,544.35	6,525.35	6,525.35	50.08	226.08	157.32	-634.61	-736.15	2,733.30	2,468.97	264.33	10.341	
7,250.00	6,589.22	6,570.22	6,570.22	50.44	227.64	147.46	-634.61	-736.15	2,753.27	2,487.13	266.14	10.345	
7,300.00	6,634.48	6,615.48	6,615.48	50.77	229.22	137.12	-634.61	-736.15	2,770.66	2,502.71	267.95	10.340	
7,350.00	6,679.86	6,660.86	6,660.86	51.06	230.81	126.76	-634.61	-736.15	2,785.39	2,515.64	269.75	10.326	
7,400.00	6,725.09	6,706.09	6,706.09	51.31	232.39	116.98	-634.61	-736.15	2,797.42	2,525.90	271.52	10.303	
7,450.00	6,769.87	6,750.87	6,750.87	51.52	233.95	108.24	-634.61	-736.15	2,806.73	2,533.48	273.24	10.272	
7,500.00	6,813.94	6,805.06	6,794.94	51.69	235.84	100.79	-634.61	-736.15	2,813.30	2,538.04	275.27	10.220	
7,550.00	6,857.03	6,838.03	6,838.03	51.84	236.99	94.67	-634.61	-736.15	2,817.16	2,540.65	276.51	10.188	
7,600.00	6,898.86	6,879.86	6,879.86	51.95	238.45	89.79	-634.61	-736.15	2,818.36	2,540.32	278.04	10.137	
7,650.00	6,939.19	6,920.19	6,920.19	52.05	239.86	86.00	-634.61	-736.15	2,816.93	2,537.45	279.48	10.079	
7,700.00	6,977.75	6,958.75	6,958.75	52.13	241.21	83.14	-634.61	-736.15	2,812.97	2,532.13	280.84	10.016	
7,750.00	7,014.32	7,004.68	6,995.32	52.20	242.81	81.08	-634.61	-736.15	2,806.56	2,524.11	282.44	9.937	
7,800.00	7,048.67	7,029.67	7,029.67	52.26	243.68	79.70	-634.61	-736.15	2,797.80	2,514.50	283.30	9.876	
7,850.00	7,080.59	7,061.59	7,061.59	52.33	244.80	78.90	-634.61	-736.15	2,786.82	2,502.42	284.40	9.799	
7,900.00	7,109.87	7,109.13	7,090.87	52.39	246.46	78.61	-634.61	-736.15	2,773.74	2,487.68	286.06	9.696	
7,950.00	7,136.35	7,117.35	7,117.35	52.47	246.74	78.77	-634.61	-736.15	2,758.71	2,472.34	286.36	9.634	
8,000.00	7,159.85	7,140.85	7,140.85	52.55	247.56	79.33	-634.61	-736.15	2,741.86	2,454.63	287.23	9.546	
8,050.00	7,180.23	7,161.23	7,161.23	52.64	248.28	80.24	-634.61	-736.15	2,723.34	2,435.32	288.03	9.455	
8,100.00	7,197.37	7,178.37	7,178.37	52.75	248.87	81.47	-634.61	-736.15	2,703.32	2,414.56	288.76	9.362	
8,150.00	7,211.16	7,207.84	7,192.16	52.88	249.90	82.99	-634.61	-736.15	2,681.94	2,391.97	289.97	9.249	
8,200.00	7,221.51	7,202.51	7,202.51	53.03	249.72	84.76	-634.61	-736.15	2,659.36	2,369.33	290.03	9.169	
8,250.00	7,228.37	7,209.37	7,209.37	53.20	249.96	86.77	-634.61	-736.15	2,635.72	2,345.14	290.58	9.071	
8,300.00	7,231.68	7,212.68	7,212.68	53.40	250.07	88.99	-634.61	-736.15	2,611.18	2,320.12	291.06	8.971	
8,317.45	7,232.00	7,213.00	7,213.00	53.47	250.08	89.81	-634.61	-736.15	2,602.42	2,311.21	291.21	8.937	
8,400.00	7,232.48	7,213.48	7,213.48	53.86	250.10	89.82	-634.61	-736.15	2,561.81	2,269.80	292.00	8.773	
8,500.00	7,233.06	7,214.06	7,214.06	54.44	250.12	89.83	-634.61	-736.15	2,515.35	2,222.16	293.19	8.579	
8,600.00	7,233.64	7,214.64	7,214.64	55.14	250.14	89.85	-634.61	-736.15	2,472.07	2,177.43	294.64	8.390	
8,700.00	7,234.22	7,215.22	7,215.22	55.99	250.16	89.86	-634.61	-736.15	2,432.13	2,135.80	296.33	8.208	
8,800.00	7,234.80	7,215.80	7,215.80	57.00	250.18	89.88	-634.61	-736.15	2,395.70	2,097.45	298.26	8.032	

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

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

Offset Design Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,216.39	7,216.39	58.18	250.20	89.89	-634.61	-736.15	2,362.95	2,062.55	300.40	7.866	
9,000.00	7,235.97	7,216.97	7,216.97	59.53	250.22	89.91	-634.61	-736.15	2,334.02	2,031.29	302.73	7.710	
9,100.00	7,236.55	7,217.55	7,217.55	61.04	250.24	89.92	-634.61	-736.15	2,309.07	2,003.85	305.22	7.565	
9,200.00	7,237.13	7,218.13	7,218.13	62.69	250.26	89.94	-634.61	-736.15	2,288.21	1,980.37	307.84	7.433	
9,300.00	7,237.71	7,218.71	7,218.71	64.47	250.28	89.95	-634.61	-736.15	2,271.57	1,961.01	310.56	7.314	
9,400.00	7,238.29	7,219.29	7,219.29	66.36	250.30	89.97	-634.61	-736.15	2,259.24	1,945.89	313.35	7.210	
9,500.00	7,238.87	7,219.87	7,219.87	68.34	250.32	89.98	-634.61	-736.15	2,251.29	1,935.12	316.17	7.121	
9,600.00	7,239.45	7,220.45	7,220.45	70.41	250.34	90.00	-634.61	-736.15	2,247.76	1,928.77	318.99	7.047	
9,629.36	7,239.62	7,220.62	7,220.62	71.04	250.35	90.00	-634.61	-736.15	2,247.57	1,927.76	319.81	7.028	
9,700.00	7,240.03	7,221.03	7,221.03	72.55	250.36	90.01	-634.61	-736.15	2,248.68	1,926.90	321.77	6.988	
9,800.00	7,240.61	7,221.61	7,221.61	74.76	250.38	90.03	-634.61	-736.15	2,254.04	1,929.53	324.50	6.946	
9,900.00	7,241.20	7,222.20	7,222.20	77.02	250.40	90.04	-634.61	-736.15	2,263.80	1,936.65	327.15	6.920	
10,000.00	7,241.78	7,222.78	7,222.78	79.33	250.42	90.05	-634.61	-736.15	2,277.92	1,948.23	329.70	6.909	SF
10,100.00	7,242.36	7,223.36	7,223.36	81.68	250.44	90.07	-634.61	-736.15	2,296.31	1,964.19	332.12	6.914	
10,200.00	7,242.94	7,223.94	7,223.94	84.07	250.46	90.08	-634.61	-736.15	2,318.88	1,984.47	334.41	6.934	
10,300.00	7,243.52	7,224.52	7,224.52	86.49	250.48	90.10	-634.61	-736.15	2,345.49	2,008.93	336.56	6.969	
10,400.00	7,244.10	7,225.10	7,225.10	88.95	250.50	90.11	-634.61	-736.15	2,376.01	2,037.46	338.55	7.018	
10,500.00	7,244.68	7,225.68	7,225.68	91.43	250.53	90.13	-634.61	-736.15	2,410.30	2,069.90	340.40	7.081	
10,600.00	7,245.26	7,226.26	7,226.26	93.93	250.55	90.14	-634.61	-736.15	2,448.20	2,106.11	342.09	7.157	
10,700.00	7,245.84	7,226.84	7,226.84	96.46	250.57	90.16	-634.61	-736.15	2,489.54	2,145.90	343.64	7.245	
10,800.00	7,246.42	7,227.42	7,227.42	99.01	250.59	90.17	-634.61	-736.15	2,534.15	2,189.11	345.04	7.345	
10,900.00	7,247.01	7,228.01	7,228.01	101.58	250.61	90.19	-634.61	-736.15	2,581.87	2,235.57	346.30	7.456	
11,000.00	7,247.59	7,228.59	7,228.59	104.16	250.63	90.20	-634.61	-736.15	2,632.52	2,285.09	347.43	7.577	
11,100.00	7,248.17	7,229.17	7,229.17	106.76	250.65	90.22	-634.61	-736.15	2,685.94	2,337.50	348.44	7.709	
11,200.00	7,248.75	7,229.75	7,229.75	109.37	250.67	90.23	-634.61	-736.15	2,741.97	2,392.64	349.33	7.849	
11,300.00	7,249.33	7,230.33	7,230.33	112.00	250.69	90.25	-634.61	-736.15	2,800.45	2,450.33	350.12	7.999	
11,400.00	7,249.91	7,230.91	7,230.91	114.64	250.71	90.26	-634.61	-736.15	2,861.23	2,510.42	350.80	8.156	
11,500.00	7,250.49	7,231.49	7,231.49	117.29	250.73	90.28	-634.61	-736.15	2,924.16	2,572.76	351.41	8.321	
11,600.00	7,251.07	7,232.07	7,232.07	119.95	250.75	90.29	-634.61	-736.15	2,989.12	2,637.20	351.92	8.494	
11,700.00	7,251.65	7,232.65	7,232.65	122.62	250.77	90.31	-634.61	-736.15	3,055.97	2,703.60	352.37	8.673	
11,800.00	7,252.23	7,233.23	7,233.23	125.30	250.79	90.32	-634.61	-736.15	3,124.59	2,771.84	352.75	8.858	
11,900.00	7,252.82	7,233.82	7,233.82	127.98	250.81	90.34	-634.61	-736.15	3,194.87	2,841.80	353.07	9.049	
12,000.00	7,253.40	7,234.40	7,234.40	130.68	250.83	90.35	-634.61	-736.15	3,266.70	2,913.36	353.34	9.245	
12,100.00	7,253.98	7,234.98	7,234.98	133.38	250.85	90.37	-634.61	-736.15	3,339.97	2,986.41	353.56	9.447	
12,200.00	7,254.56	7,235.56	7,235.56	136.09	250.87	90.38	-634.61	-736.15	3,414.60	3,060.87	353.74	9.653	
12,300.00	7,255.14	7,236.14	7,236.14	138.81	250.89	90.40	-634.61	-736.15	3,490.51	3,136.63	353.88	9.864	
12,400.00	7,255.72	7,236.72	7,236.72	141.53	250.91	90.41	-634.61	-736.15	3,567.60	3,213.61	353.98	10.078	
12,500.00	7,256.30	7,237.30	7,237.30	144.26	250.93	90.43	-634.61	-736.15	3,645.80	3,291.74	354.06	10.297	
12,600.00	7,256.88	7,237.88	7,237.88	146.99	250.95	90.44	-634.61	-736.15	3,725.04	3,370.93	354.11	10.519	
12,700.00	7,257.46	7,238.46	7,238.46	149.73	250.97	90.45	-634.61	-736.15	3,805.27	3,451.13	354.14	10.745	
12,800.00	7,258.04	7,239.04	7,239.04	152.47	250.99	90.47	-634.61	-736.15	3,886.41	3,532.26	354.15	10.974	
12,900.00	7,258.63	7,239.63	7,239.63	155.22	251.01	90.48	-634.61	-736.15	3,968.41	3,614.27	354.14	11.206	
13,000.00	7,259.21	7,240.21	7,240.21	157.97	251.03	90.50	-634.61	-736.15	4,051.22	3,697.10	354.12	11.440	
13,100.00	7,259.79	7,240.79	7,240.79	160.72	251.05	90.51	-634.61	-736.15	4,134.79	3,780.71	354.08	11.678	
13,200.00	7,260.37	7,241.37	7,241.37	163.48	251.07	90.53	-634.61	-736.15	4,219.07	3,865.04	354.03	11.917	
13,300.00	7,260.95	7,241.95	7,241.95	166.24	251.09	90.54	-634.61	-736.15	4,304.03	3,950.06	353.97	12.159	
13,400.00	7,261.53	7,242.53	7,242.53	169.01	251.11	90.56	-634.61	-736.15	4,389.62	4,035.72	353.91	12.403	
13,480.77	7,262.00	7,243.00	7,243.00	171.24	251.13	90.57	-634.61	-736.15	4,459.20	4,105.35	353.85	12.602	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-48.67	362.48	-412.14	549.12				
100.00	100.00	78.31	78.30	3.28	3.28	-48.64	362.93	-412.19	549.22	542.65	6.57	83.600	
200.00	200.00	179.01	179.00	3.34	3.33	-48.54	364.22	-412.29	550.14	543.48	6.66	82.548	
300.00	300.00	280.01	280.00	3.44	3.43	-48.48	365.11	-412.32	550.75	543.88	6.87	80.152	
400.00	399.98	379.29	379.27	3.60	3.57	156.51	365.84	-412.44	552.93	545.76	7.17	77.132	
500.00	499.84	479.95	479.93	3.79	3.76	156.73	366.63	-412.59	558.37	550.81	7.55	73.939	
600.00	599.45	579.76	579.73	4.02	3.99	157.06	367.27	-412.66	566.87	558.86	8.01	70.751	
700.00	698.70	677.66	677.64	4.29	4.24	157.45	367.82	-412.91	578.68	570.15	8.53	67.803	
800.00	797.47	776.73	776.71	4.59	4.53	157.94	368.43	-413.30	593.88	584.77	9.12	65.142	
900.00	895.62	873.65	873.62	4.93	4.82	158.46	368.91	-413.76	612.32	602.58	9.74	62.866	
1,000.00	993.06	970.48	970.44	5.31	5.13	159.02	369.36	-414.52	634.22	623.81	10.40	60.965	
1,100.00	1,089.64	1,068.37	1,068.33	5.72	5.46	159.65	369.80	-415.18	659.31	648.21	11.10	59.375	
1,200.00	1,185.27	1,162.15	1,162.11	6.16	5.79	160.26	370.10	-415.79	687.58	675.76	11.82	58.170	
1,300.00	1,279.82	1,257.70	1,257.66	6.64	6.13	160.89	370.48	-416.71	719.37	706.80	12.57	57.236	
1,400.00	1,373.17	1,351.34	1,351.29	7.15	6.47	161.50	370.51	-417.45	754.04	740.71	13.33	56.561	
1,500.00	1,465.21	1,442.01	1,441.96	7.70	6.81	162.11	370.82	-418.17	792.17	778.07	14.10	56.179	
1,600.00	1,555.84	1,534.57	1,534.52	8.30	7.16	162.71	370.97	-418.97	833.43	818.53	14.90	55.944	
1,651.50	1,601.92	1,582.65	1,582.60	8.62	7.35	163.03	371.01	-419.22	855.77	840.45	15.32	55.860	
1,700.00	1,645.13	1,627.15	1,627.10	8.93	7.52	163.45	371.04	-419.31	877.14	861.43	15.71	55.830	
1,800.00	1,734.20	1,717.90	1,717.84	9.58	7.87	164.26	370.95	-419.43	921.16	904.64	16.51	55.779	
1,900.00	1,823.28	1,807.47	1,807.41	10.25	8.21	164.98	370.80	-419.50	965.22	947.90	17.32	55.722	
2,000.00	1,912.36	1,898.12	1,898.06	10.94	8.57	165.64	370.53	-419.56	1,009.30	991.15	18.15	55.621	
2,100.00	2,001.43	1,986.83	1,986.78	11.63	8.92	166.22	370.14	-419.71	1,053.43	1,034.46	18.97	55.539	
2,200.00	2,090.51	2,081.23	2,081.17	12.34	9.29	166.77	369.37	-420.07	1,097.49	1,077.66	19.83	55.337	
2,300.00	2,179.59	2,175.52	2,175.45	13.05	9.67	167.24	367.83	-420.67	1,141.17	1,120.47	20.71	55.111	
2,400.00	2,268.66	2,265.62	2,265.52	13.76	10.04	167.64	365.96	-421.41	1,184.67	1,163.11	21.56	54.945	
2,500.00	2,357.74	2,354.30	2,354.17	14.49	10.40	167.99	364.05	-422.35	1,228.28	1,205.87	22.41	54.805	
2,600.00	2,446.82	2,440.55	2,440.40	15.21	10.75	168.30	362.17	-423.47	1,272.04	1,248.79	23.25	54.711	
2,700.00	2,535.89	2,524.83	2,524.65	15.95	11.09	168.56	360.43	-425.05	1,316.20	1,292.12	24.08	54.662	
2,800.00	2,624.97	2,611.00	2,610.78	16.68	11.45	168.82	358.87	-426.79	1,360.65	1,335.73	24.92	54.593	
2,900.00	2,714.05	2,697.26	2,697.02	17.42	11.80	169.06	357.52	-428.58	1,405.33	1,379.56	25.77	54.531	
3,000.00	2,803.12	2,786.00	2,785.73	18.16	12.17	169.30	356.24	-430.47	1,450.15	1,423.51	26.64	54.436	
3,100.00	2,892.20	2,875.91	2,875.60	18.90	12.54	169.53	354.97	-432.34	1,494.98	1,467.47	27.52	54.325	
3,200.00	2,981.28	2,963.19	2,962.86	19.65	12.90	169.75	353.86	-433.99	1,539.85	1,511.47	28.38	54.257	
3,300.00	3,070.36	3,051.02	3,050.68	20.40	13.27	169.97	353.03	-435.46	1,584.86	1,555.62	29.25	54.188	
3,400.00	3,159.43	3,143.04	3,142.68	21.14	13.65	170.19	352.30	-436.77	1,629.88	1,599.73	30.15	54.062	
3,500.00	3,248.51	3,233.32	3,232.96	21.89	14.02	170.41	351.46	-437.79	1,674.67	1,643.64	31.04	53.957	
3,600.00	3,337.59	3,316.95	3,316.57	22.65	14.37	170.60	350.84	-438.90	1,719.73	1,687.85	31.88	53.951	
3,700.00	3,426.66	3,407.82	3,407.44	23.40	14.75	170.81	350.37	-439.92	1,764.86	1,732.09	32.77	53.853	
3,800.00	3,515.74	3,499.60	3,499.22	24.15	15.13	171.01	349.91	-440.72	1,809.89	1,776.22	33.68	53.743	
3,900.00	3,604.82	3,578.46	3,578.07	24.91	15.46	171.17	349.59	-441.57	1,855.12	1,820.65	34.48	53.804	
4,000.00	3,693.89	3,662.06	3,661.67	25.66	15.81	171.34	349.53	-442.76	1,900.78	1,865.46	35.32	53.816	
4,100.00	3,782.97	3,748.40	3,748.00	26.42	16.18	171.51	349.77	-443.79	1,946.60	1,910.41	36.18	53.797	
4,200.00	3,872.05	3,833.49	3,833.07	27.18	16.53	171.68	350.20	-444.67	1,992.53	1,955.49	37.04	53.797	
4,300.00	3,961.12	3,917.19	3,916.77	27.94	16.89	171.84	350.95	-445.46	2,038.72	2,000.84	37.88	53.819	
4,400.00	4,050.20	4,008.00	4,007.58	28.69	17.27	172.01	351.66	-446.53	2,084.96	2,046.17	38.79	53.756	
4,500.00	4,139.28	4,090.26	4,089.83	29.45	17.61	172.15	352.29	-447.68	2,131.30	2,091.68	39.62	53.797	
4,600.00	4,228.35	4,191.69	4,191.24	30.21	18.04	172.31	352.99	-448.99	2,177.55	2,136.93	40.62	53.614	
4,700.00	4,317.43	4,285.57	4,285.12	30.97	18.44	172.46	353.31	-449.88	2,223.38	2,181.83	41.55	53.513	
4,800.00	4,406.51	4,375.22	4,374.76	31.73	18.82	172.59	353.53	-450.65	2,269.10	2,226.66	42.45	53.458	
4,900.00	4,495.59	4,461.78	4,461.31	32.50	19.18	172.72	353.68	-451.54	2,314.86	2,271.54	43.32	53.437	
5,000.00	4,584.66	4,558.18	4,557.71	33.26	19.59	172.85	353.91	-452.43	2,360.63	2,316.36	44.28	53.315	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,655.71	4,655.24	34.02	20.00	172.97	353.45	-453.52	2,405.96	2,360.71	45.24	53.176	
5,200.00	4,762.82	4,747.75	4,747.27	34.78	20.39	173.07	352.84	-454.53	2,451.13	2,404.97	46.17	53.093	
5,300.00	4,851.89	4,840.17	4,839.67	35.54	20.78	173.16	352.00	-455.70	2,496.21	2,449.12	47.09	53.006	
5,400.00	4,940.97	4,931.48	4,930.97	36.31	21.17	173.25	350.99	-456.94	2,541.17	2,493.16	48.01	52.930	
5,500.00	5,030.05	5,020.46	5,019.93	37.07	21.54	173.32	349.90	-458.32	2,586.15	2,537.24	48.91	52.877	
5,600.00	5,119.12	5,115.55	5,115.01	37.83	21.95	173.40	348.75	-459.60	2,631.04	2,581.18	49.86	52.769	
5,700.00	5,208.20	5,218.52	5,217.96	38.60	22.38	173.48	347.01	-460.94	2,675.54	2,624.66	50.88	52.587	
5,800.00	5,297.28	5,308.73	5,308.15	39.36	22.76	173.56	345.55	-461.62	2,719.85	2,668.06	51.79	52.519	
5,900.00	5,386.35	5,393.00	5,392.42	40.13	23.12	173.64	344.49	-461.88	2,764.24	2,711.60	52.65	52.506	
6,000.00	5,475.43	5,484.35	5,483.75	40.89	23.51	173.73	343.43	-462.13	2,808.70	2,755.14	53.57	52.435	
6,100.00	5,564.51	5,588.83	5,588.23	41.66	23.95	173.83	341.94	-462.33	2,852.93	2,798.33	54.60	52.254	
6,200.00	5,653.58	5,674.05	5,673.44	42.42	24.31	173.90	340.60	-462.28	2,896.92	2,841.45	55.47	52.229	
6,300.00	5,742.66	5,763.53	5,762.91	43.19	24.69	173.99	339.36	-462.21	2,941.06	2,884.69	56.37	52.174	
6,400.00	5,831.74	5,859.16	5,858.52	43.95	25.09	174.07	337.88	-462.19	2,985.10	2,927.77	57.33	52.070	
6,500.00	5,920.82	5,942.59	5,941.95	44.72	25.44	174.15	336.71	-461.77	3,029.05	2,970.87	58.18	52.062	
6,600.00	6,009.89	6,021.90	6,021.26	45.48	25.78	174.22	336.02	-461.38	3,073.40	3,014.41	59.00	52.092	
6,700.00	6,098.97	6,121.75	6,121.09	46.25	26.20	174.32	335.19	-460.57	3,117.66	3,057.67	59.99	51.966	
6,800.00	6,188.05	6,212.44	6,211.78	47.01	26.58	174.41	334.23	-459.93	3,161.80	3,100.89	60.91	51.909	
6,900.00	6,277.12	6,307.65	6,306.98	47.78	26.99	174.49	333.16	-459.17	3,205.85	3,143.98	61.87	51.819	
7,000.00	6,366.20	6,382.11	6,381.44	48.55	27.30	174.56	332.50	-458.54	3,250.05	3,187.41	62.64	51.882	
7,100.00	6,455.28	6,471.18	6,470.50	49.31	27.68	174.64	331.90	-457.91	3,294.50	3,230.95	63.55	51.844	
7,197.64	6,542.25	6,556.74	6,556.06	50.06	28.04	174.71	331.24	-457.38	3,337.87	3,273.45	64.42	51.816	
7,200.00	6,544.35	6,558.75	6,558.07	50.08	28.05	174.23	331.22	-457.37	3,338.92	3,274.48	64.44	51.816	
7,250.00	6,589.22	6,601.83	6,601.14	50.44	28.23	163.75	330.86	-457.24	3,360.24	3,295.37	64.87	51.798	
7,300.00	6,634.48	6,652.67	6,651.98	50.77	28.45	152.80	330.36	-457.15	3,379.76	3,314.39	65.36	51.706	
7,350.00	6,679.86	6,703.72	6,703.03	51.06	28.66	141.85	329.76	-457.07	3,397.33	3,331.49	65.85	51.593	
7,400.00	6,725.09	6,738.49	6,737.79	51.31	28.81	131.40	329.38	-457.03	3,413.00	3,346.82	66.18	51.574	
7,450.00	6,769.87	6,773.91	6,773.22	51.52	28.96	122.00	329.10	-457.01	3,426.78	3,360.28	66.50	51.534	
7,500.00	6,813.94	6,809.54	6,808.85	51.69	29.11	113.88	328.91	-457.01	3,438.63	3,371.83	66.80	51.477	
7,550.00	6,857.03	6,846.84	6,846.14	51.84	29.27	107.12	328.78	-457.05	3,448.50	3,381.39	67.11	51.390	
7,600.00	6,898.86	6,883.07	6,882.37	51.95	29.42	101.58	328.69	-457.15	3,456.37	3,388.98	67.39	51.289	
7,650.00	6,939.19	6,919.72	6,919.02	52.05	29.58	97.14	328.63	-457.29	3,462.24	3,394.56	67.67	51.162	
7,700.00	6,977.75	6,956.33	6,955.63	52.13	29.74	93.64	328.60	-457.45	3,466.10	3,398.15	67.95	51.006	
7,750.00	7,014.32	6,991.06	6,990.36	52.20	29.88	90.92	328.59	-457.60	3,468.00	3,399.78	68.23	50.831	
7,800.00	7,048.67	7,029.56	7,028.87	52.26	30.05	88.92	328.58	-457.78	3,467.97	3,399.42	68.55	50.590	
7,850.00	7,080.59	7,067.42	7,066.72	52.33	30.21	87.51	328.51	-457.92	3,466.03	3,397.13	68.89	50.310	
7,900.00	7,109.87	7,102.16	7,101.46	52.39	30.36	86.57	328.40	-458.03	3,462.25	3,393.01	69.24	50.001	
7,950.00	7,136.35	7,123.18	7,122.48	52.47	30.45	85.89	328.33	-458.10	3,456.80	3,387.29	69.51	49.730	
8,000.00	7,159.85	7,142.52	7,141.82	52.55	30.53	85.57	328.28	-458.19	3,449.78	3,379.97	69.82	49.412	
8,050.00	7,180.23	7,159.38	7,158.68	52.64	30.60	85.56	328.26	-458.29	3,441.29	3,371.13	70.16	49.048	
8,100.00	7,197.37	7,173.66	7,172.96	52.75	30.66	85.84	328.25	-458.38	3,431.40	3,360.85	70.55	48.637	
8,150.00	7,211.16	7,185.24	7,184.54	52.88	30.71	86.36	328.25	-458.47	3,420.21	3,349.22	70.99	48.180	
8,200.00	7,221.51	7,194.06	7,193.36	53.03	30.75	87.11	328.25	-458.54	3,407.81	3,336.34	71.47	47.679	
8,250.00	7,228.37	7,200.06	7,199.36	53.20	30.77	88.07	328.25	-458.59	3,394.29	3,322.28	72.01	47.138	
8,300.00	7,231.68	7,203.80	7,203.10	53.40	30.79	89.24	328.26	-458.62	3,379.74	3,307.15	72.59	46.558	
8,317.45	7,232.00	7,204.27	7,203.56	53.47	30.79	89.69	328.26	-458.62	3,374.43	3,301.63	72.80	46.349	
8,400.00	7,232.48	7,205.45	7,204.75	53.86	30.80	89.71	328.26	-458.63	3,349.99	3,276.10	73.89	45.337	
8,500.00	7,233.06	7,206.89	7,206.19	54.44	30.80	89.74	328.26	-458.65	3,322.89	3,247.49	75.40	44.070	
8,600.00	7,233.64	7,208.33	7,207.63	55.14	30.81	89.76	328.26	-458.66	3,298.60	3,221.49	77.10	42.782	
8,700.00	7,234.22	7,209.77	7,209.07	55.99	30.82	89.79	328.26	-458.67	3,277.18	3,198.19	78.98	41.493	
8,800.00	7,234.80	7,211.21	7,210.50	57.00	30.82	89.81	328.26	-458.68	3,258.68	3,177.67	81.02	40.223	
8,900.00	7,235.39	7,212.64	7,211.94	58.18	30.83	89.84	328.26	-458.70	3,243.17	3,159.99	83.18	38.989	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,214.08	7,213.38	59.53	30.83	89.86	328.26	-458.71	3,230.68	3,145.21	85.46	37.803	
9,100.00	7,236.55	7,215.52	7,214.82	61.04	30.84	89.89	328.27	-458.72	3,221.24	3,133.41	87.83	36.676	
9,200.00	7,237.13	7,216.96	7,216.25	62.69	30.85	89.91	328.27	-458.73	3,214.89	3,124.62	90.27	35.614	
9,300.00	7,237.71	7,218.39	7,217.69	64.47	30.85	89.94	328.27	-458.75	3,211.64	3,118.88	92.76	34.623	
9,354.46	7,238.03	7,219.18	7,218.47	65.49	30.86	89.95	328.27	-458.75	3,211.17	3,117.04	94.14	34.112	
9,400.00	7,238.29	7,219.83	7,219.13	66.36	30.86	89.97	328.27	-458.76	3,211.50	3,116.22	95.28	33.705	
9,500.00	7,238.87	7,221.27	7,220.57	68.34	30.86	89.99	328.27	-458.77	3,214.47	3,116.65	97.82	32.862	
9,600.00	7,239.45	7,222.70	7,222.00	70.41	30.87	90.02	328.27	-458.78	3,220.55	3,120.19	100.35	32.092	
9,700.00	7,240.03	7,224.14	7,223.44	72.55	30.88	90.04	328.27	-458.79	3,229.71	3,126.84	102.87	31.396	
9,800.00	7,240.61	7,225.58	7,224.88	74.76	30.88	90.07	328.27	-458.81	3,241.93	3,136.57	105.36	30.770	
9,900.00	7,241.20	7,227.01	7,226.31	77.02	30.89	90.09	328.28	-458.82	3,257.18	3,149.37	107.81	30.213	
10,000.00	7,241.78	7,228.45	7,227.75	79.33	30.90	90.12	328.28	-458.83	3,275.40	3,165.20	110.21	29.721	
10,100.00	7,242.36	7,229.89	7,229.19	81.68	30.90	90.15	328.28	-458.84	3,296.57	3,184.02	112.54	29.292	
10,200.00	7,242.94	7,231.32	7,230.62	84.07	30.91	90.17	328.28	-458.86	3,320.61	3,205.79	114.81	28.922	
10,300.00	7,243.52	7,232.76	7,232.06	86.49	30.91	90.20	328.28	-458.87	3,347.46	3,230.45	117.01	28.609	
10,400.00	7,244.10	7,234.20	7,233.49	88.95	30.92	90.22	328.28	-458.88	3,377.07	3,257.94	119.13	28.349	
10,500.00	7,244.68	7,235.63	7,234.93	91.43	30.93	90.25	328.28	-458.89	3,409.34	3,288.18	121.16	28.139	
10,600.00	7,245.26	7,237.07	7,236.37	93.93	30.93	90.27	328.28	-458.90	3,444.23	3,321.11	123.11	27.977	
10,700.00	7,245.84	7,238.50	7,237.80	96.46	30.94	90.30	328.28	-458.92	3,481.63	3,356.65	124.97	27.859	
10,800.00	7,246.42	7,239.94	7,239.24	99.01	30.94	90.32	328.29	-458.93	3,521.48	3,394.73	126.75	27.783	
10,900.00	7,247.01	7,241.38	7,240.67	101.58	30.95	90.35	328.29	-458.94	3,563.68	3,435.24	128.44	27.746	SF
11,000.00	7,247.59	7,242.81	7,242.11	104.16	30.96	90.38	328.29	-458.95	3,608.17	3,478.13	130.04	27.746	
11,100.00	7,248.17	7,244.25	7,243.55	106.76	30.96	90.40	328.29	-458.97	3,654.85	3,523.29	131.56	27.781	
11,200.00	7,248.75	7,245.68	7,244.98	109.37	30.97	90.43	328.29	-458.98	3,703.64	3,570.65	132.99	27.849	
11,300.00	7,249.33	7,247.12	7,246.42	112.00	30.97	90.45	328.29	-458.99	3,754.46	3,620.12	134.34	27.947	
11,400.00	7,249.91	7,248.55	7,247.85	114.64	30.98	90.48	328.29	-459.00	3,807.23	3,671.62	135.61	28.074	
11,500.00	7,250.49	7,249.99	7,249.29	117.29	30.99	90.50	328.29	-459.02	3,861.87	3,725.06	136.81	28.228	
11,600.00	7,251.07	7,251.42	7,250.72	119.95	30.99	90.53	328.30	-459.03	3,918.30	3,780.36	137.93	28.407	
11,700.00	7,251.65	7,252.86	7,252.16	122.62	31.00	90.56	328.30	-459.04	3,976.44	3,837.45	138.99	28.610	
11,800.00	7,252.23	7,254.29	7,253.59	125.30	31.01	90.58	328.30	-459.05	4,036.22	3,896.25	139.97	28.836	
11,900.00	7,252.82	7,255.73	7,255.03	127.98	31.01	90.61	328.30	-459.06	4,097.57	3,956.67	140.90	29.082	
12,000.00	7,253.40	7,257.16	7,256.46	130.68	31.02	90.63	328.30	-459.08	4,160.42	4,018.66	141.76	29.349	
12,100.00	7,253.98	7,258.60	7,257.89	133.38	31.02	90.66	328.30	-459.09	4,224.70	4,082.13	142.56	29.634	
12,200.00	7,254.56	7,260.03	7,259.33	136.09	31.03	90.68	328.30	-459.10	4,290.34	4,147.03	143.31	29.937	
12,300.00	7,255.14	7,261.47	7,260.76	138.81	31.04	90.71	328.30	-459.11	4,357.30	4,213.28	144.01	30.256	
12,400.00	7,255.72	7,262.90	7,262.20	141.53	31.04	90.73	328.30	-459.13	4,425.50	4,280.83	144.67	30.591	
12,500.00	7,256.30	7,264.34	7,263.63	144.26	31.05	90.76	328.31	-459.14	4,494.89	4,349.62	145.27	30.941	
12,600.00	7,256.88	7,265.77	7,265.07	146.99	31.05	90.79	328.31	-459.15	4,565.41	4,419.58	145.84	31.305	
12,700.00	7,257.46	7,267.20	7,266.50	149.73	31.06	90.81	328.31	-459.16	4,637.02	4,490.66	146.36	31.682	
12,800.00	7,258.04	7,268.64	7,267.93	152.47	31.07	90.84	328.31	-459.17	4,709.66	4,562.82	146.85	32.072	
12,900.00	7,258.63	7,270.07	7,269.37	155.22	31.07	90.86	328.31	-459.19	4,783.29	4,635.99	147.30	32.473	
13,000.00	7,259.21	7,271.50	7,270.80	157.97	31.08	90.89	328.31	-459.20	4,857.86	4,710.15	147.72	32.886	
13,100.00	7,259.79	7,272.94	7,272.23	160.72	31.08	90.91	328.31	-459.21	4,933.34	4,785.23	148.11	33.309	
13,200.00	7,260.37	7,274.37	7,273.67	163.48	31.09	90.94	328.31	-459.22	5,009.67	4,861.20	148.47	33.743	
13,300.00	7,260.95	7,275.81	7,275.10	166.24	31.10	90.96	328.32	-459.24	5,086.82	4,938.02	148.80	34.186	
13,400.00	7,261.53	7,277.24	7,276.53	169.01	31.10	90.99	328.32	-459.25	5,164.75	5,015.64	149.11	34.638	
13,480.77	7,262.00	7,278.40	7,277.69	171.24	31.11	91.01	328.32	-459.26	5,228.25	5,078.91	149.34	35.009	

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

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-116.55	-2,141.75	-4,286.17	4,791.50				
100.00	100.00	106.41	106.41	3.28	3.29	-116.55	-2,141.66	-4,285.96	4,791.30	4,784.73	6.57	728.964	
191.65	191.65	177.65	177.65	3.33	3.33	-116.55	-2,141.48	-4,285.90	4,791.13	4,784.47	6.66	719.848	
200.00	200.00	184.35	184.35	3.34	3.33	-116.55	-2,141.46	-4,285.91	4,791.13	4,784.46	6.67	718.618	
300.00	300.00	317.53	317.53	3.44	3.47	-116.54	-2,140.56	-4,286.02	4,790.93	4,784.01	6.92	692.371	
400.00	399.98	417.27	417.26	3.60	3.64	88.38	-2,139.92	-4,285.55	4,790.17	4,782.94	7.23	662.226	
500.00	499.84	485.29	485.28	3.79	3.77	88.43	-2,139.77	-4,285.39	4,789.70	4,782.15	7.56	633.806	
600.00	599.45	585.58	585.57	4.02	4.00	88.55	-2,139.53	-4,285.59	4,789.55	4,781.53	8.02	597.404	
700.00	698.70	722.96	722.95	4.29	4.37	88.77	-2,138.45	-4,285.46	4,788.82	4,780.17	8.65	553.549	
800.00	797.47	819.27	819.25	4.59	4.65	88.98	-2,137.90	-4,284.85	4,787.68	4,778.44	9.24	518.167	
900.00	895.62	897.41	897.39	4.93	4.89	89.17	-2,137.77	-4,284.45	4,786.82	4,777.00	9.82	487.308	
1,000.00	993.06	973.81	973.79	5.31	5.14	89.38	-2,137.78	-4,284.35	4,786.41	4,775.97	10.44	458.301	
1,030.29	1,022.40	996.80	996.78	5.43	5.21	89.45	-2,137.78	-4,284.40	4,786.39	4,775.75	10.64	449.798	
1,100.00	1,089.64	1,061.30	1,061.28	5.72	5.43	89.66	-2,137.68	-4,284.64	4,786.44	4,775.30	11.14	429.509	
1,200.00	1,185.27	1,181.29	1,181.26	6.16	5.85	90.09	-2,137.05	-4,285.12	4,786.54	4,774.53	12.00	398.788	
1,285.28	1,265.97	1,263.56	1,263.53	6.57	6.14	90.41	-2,136.60	-4,285.08	4,786.41	4,773.71	12.70	376.783	
1,300.00	1,279.82	1,276.54	1,276.52	6.64	6.19	90.46	-2,136.57	-4,285.06	4,786.42	4,773.60	12.82	373.308	
1,400.00	1,373.17	1,360.53	1,360.51	7.15	6.50	90.82	-2,136.56	-4,284.94	4,786.70	4,773.06	13.64	350.849	
1,500.00	1,465.21	1,437.32	1,437.29	7.70	6.78	91.16	-2,136.76	-4,284.93	4,787.56	4,773.08	14.48	330.615	
1,600.00	1,555.84	1,509.59	1,509.56	8.30	7.05	91.49	-2,137.02	-4,285.21	4,789.18	4,773.83	15.34	312.109	
1,651.50	1,601.92	1,550.71	1,550.68	8.62	7.21	91.68	-2,137.18	-4,285.47	4,790.31	4,774.49	15.82	302.799	
1,700.00	1,645.13	1,589.25	1,589.23	8.93	7.35	91.89	-2,137.34	-4,285.74	4,791.53	4,775.25	16.28	294.397	
1,800.00	1,734.20	1,668.51	1,668.47	9.58	7.66	92.32	-2,137.80	-4,286.39	4,794.50	4,777.27	17.23	278.201	
1,900.00	1,823.28	1,747.56	1,747.52	10.25	7.96	92.75	-2,138.50	-4,287.12	4,798.08	4,779.87	18.21	263.491	
2,000.00	1,912.36	1,848.84	1,848.79	10.94	8.36	93.29	-2,139.31	-4,288.22	4,802.21	4,782.92	19.29	248.959	
2,100.00	2,001.43	1,971.55	1,971.50	11.63	8.85	93.95	-2,140.06	-4,288.75	4,806.12	4,785.65	20.47	234.803	
2,200.00	2,090.51	2,102.63	2,102.58	12.34	9.37	94.65	-2,140.49	-4,288.49	4,809.88	4,788.18	21.69	221.712	
2,300.00	2,179.59	2,193.17	2,193.12	13.05	9.73	95.14	-2,140.45	-4,287.98	4,813.61	4,790.85	22.77	211.441	
2,400.00	2,268.66	2,269.45	2,269.39	13.76	10.04	95.55	-2,140.76	-4,287.51	4,817.86	4,794.07	23.79	202.548	
2,500.00	2,357.74	2,335.11	2,335.05	14.49	10.30	95.89	-2,141.41	-4,287.21	4,822.83	4,798.06	24.77	194.719	
2,600.00	2,446.82	2,400.00	2,399.94	15.21	10.57	96.24	-2,142.13	-4,287.34	4,828.76	4,803.01	25.75	187.523	
2,700.00	2,535.89	2,477.36	2,477.29	15.95	10.88	96.64	-2,142.90	-4,287.82	4,835.44	4,808.65	26.79	180.514	
2,800.00	2,624.97	2,583.09	2,583.02	16.68	11.31	97.20	-2,143.75	-4,288.44	4,842.46	4,814.52	27.95	173.273	
2,900.00	2,714.05	2,681.76	2,681.68	17.42	11.72	97.72	-2,144.57	-4,288.67	4,849.59	4,820.51	29.08	166.765	
3,000.00	2,803.12	2,771.61	2,771.52	18.16	12.09	98.19	-2,145.44	-4,288.76	4,857.04	4,826.86	30.18	160.942	
3,100.00	2,892.20	2,841.80	2,841.71	18.90	12.37	98.56	-2,146.25	-4,288.88	4,865.02	4,833.83	31.19	155.960	
3,200.00	2,981.28	2,906.52	2,906.43	19.65	12.64	98.90	-2,146.98	-4,289.39	4,873.88	4,841.70	32.19	151.432	
3,300.00	3,070.36	3,028.08	3,027.98	20.40	13.14	99.53	-2,147.82	-4,290.30	4,883.02	4,849.59	33.43	146.088	
3,400.00	3,159.43	3,125.05	3,124.95	21.14	13.55	100.04	-2,148.48	-4,290.55	4,892.13	4,857.57	34.56	141.559	
3,500.00	3,248.51	3,196.18	3,196.07	21.89	13.84	100.40	-2,149.27	-4,290.80	4,901.82	4,866.24	35.58	137.772	
3,600.00	3,337.59	3,267.96	3,267.85	22.65	14.14	100.77	-2,150.21	-4,291.30	4,912.22	4,875.62	36.60	134.210	
3,700.00	3,426.66	3,372.35	3,372.22	23.40	14.57	101.31	-2,151.31	-4,292.24	4,923.16	4,885.39	37.77	130.351	
3,800.00	3,515.74	3,471.01	3,470.88	24.15	14.99	101.82	-2,151.76	-4,292.81	4,934.08	4,895.17	38.91	126.809	
3,900.00	3,604.82	3,561.09	3,560.96	24.91	15.36	102.28	-2,152.10	-4,293.31	4,945.35	4,905.34	40.01	123.597	
4,000.00	3,693.89	3,651.13	3,651.00	25.66	15.74	102.75	-2,152.38	-4,293.80	4,957.00	4,915.89	41.11	120.570	
4,100.00	3,782.97	3,741.12	3,740.99	26.42	16.12	103.21	-2,152.61	-4,294.28	4,969.02	4,926.81	42.21	117.714	
4,200.00	3,872.05	3,831.08	3,830.94	27.18	16.49	103.67	-2,152.79	-4,294.75	4,981.41	4,938.10	43.31	115.014	
4,300.00	3,961.12	3,920.99	3,920.85	27.94	16.87	104.13	-2,152.93	-4,295.22	4,994.17	4,949.76	44.41	112.461	
4,400.00	4,050.20	4,010.86	4,010.72	28.69	17.25	104.59	-2,153.01	-4,295.68	5,007.29	4,961.78	45.50	110.042	
4,500.00	4,139.28	4,100.68	4,100.54	29.45	17.63	105.04	-2,153.05	-4,296.13	5,020.78	4,974.18	46.60	107.750	
4,600.00	4,228.35	4,190.47	4,190.33	30.21	18.00	105.50	-2,153.03	-4,296.57	5,034.63	4,986.94	47.69	105.574	
4,700.00	4,317.43	4,283.95	4,283.81	30.97	18.40	105.97	-2,152.85	-4,297.00	5,048.81	5,000.01	48.79	103.470	

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

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,800.00	4,406.51	4,373.87	4,373.73	31.73	18.78	106.42	-2,152.37	-4,297.39	5,063.31	5,013.42	49.88	101.505	
4,900.00	4,495.59	4,460.81	4,460.67	32.50	19.14	106.86	-2,151.72	-4,297.80	5,078.19	5,027.24	50.95	99.663	
5,000.00	4,584.66	4,532.89	4,532.74	33.26	19.44	107.23	-2,151.17	-4,298.22	5,093.56	5,041.61	51.95	98.044	
5,100.00	4,673.74	4,600.00	4,599.84	34.02	19.73	107.56	-2,150.58	-4,298.99	5,109.75	5,056.83	52.92	96.553	
5,200.00	4,762.82	4,695.34	4,695.17	34.78	20.13	108.04	-2,149.65	-4,300.22	5,126.47	5,072.45	54.03	94.889	
5,300.00	4,851.89	4,791.38	4,791.19	35.54	20.54	108.52	-2,148.66	-4,301.23	5,143.34	5,088.21	55.13	93.292	
5,400.00	4,940.97	4,922.04	4,921.86	36.31	21.09	109.16	-2,148.35	-4,301.84	5,160.08	5,103.67	56.40	91.483	
5,500.00	5,030.05	5,007.14	5,006.95	37.07	21.45	109.56	-2,149.06	-4,301.92	5,176.91	5,119.45	57.45	90.105	
5,600.00	5,119.12	5,076.11	5,075.92	37.83	21.74	109.89	-2,149.73	-4,302.15	5,194.29	5,135.87	58.42	88.910	
5,700.00	5,208.20	5,154.25	5,154.06	38.60	22.07	110.25	-2,150.30	-4,302.67	5,212.28	5,152.85	59.43	87.703	
5,800.00	5,297.28	5,238.08	5,237.89	39.36	22.43	110.65	-2,150.59	-4,303.36	5,230.73	5,170.27	60.47	86.507	
5,900.00	5,386.35	5,347.34	5,347.14	40.13	22.89	111.16	-2,151.07	-4,304.22	5,249.52	5,187.89	61.63	85.183	
6,000.00	5,475.43	5,467.61	5,467.40	40.89	23.40	111.72	-2,151.90	-4,304.30	5,267.92	5,205.08	62.84	83.832	
6,100.00	5,564.51	5,570.27	5,570.04	41.66	23.83	112.18	-2,153.53	-4,304.05	5,286.40	5,222.44	63.96	82.648	
6,200.00	5,653.58	5,653.44	5,653.21	42.42	24.18	112.55	-2,154.79	-4,303.73	5,305.07	5,240.08	64.99	81.634	
6,300.00	5,742.66	5,722.67	5,722.43	43.19	24.48	112.86	-2,155.73	-4,303.66	5,324.29	5,258.35	65.94	80.750	
6,400.00	5,831.74	5,782.97	5,782.72	43.95	24.73	113.13	-2,156.58	-4,303.90	5,344.25	5,277.42	66.83	79.963	
6,500.00	5,920.82	5,860.32	5,860.06	44.72	25.06	113.47	-2,157.60	-4,304.55	5,364.90	5,297.08	67.82	79.109	
6,600.00	6,009.89	5,956.12	5,955.86	45.48	25.47	113.90	-2,158.19	-4,305.39	5,385.89	5,317.00	68.89	78.178	
6,700.00	6,098.97	6,076.75	6,076.49	46.25	25.98	114.44	-2,158.20	-4,305.98	5,406.87	5,336.78	70.10	77.135	
6,800.00	6,188.05	6,184.88	6,184.62	47.01	26.44	114.93	-2,158.27	-4,305.93	5,427.66	5,356.43	71.23	76.198	
6,900.00	6,277.12	6,276.87	6,276.61	47.78	26.83	115.33	-2,158.60	-4,305.73	5,448.58	5,376.30	72.28	75.383	
7,000.00	6,366.20	6,366.41	6,366.14	48.55	27.21	115.72	-2,159.07	-4,305.53	5,469.78	5,396.47	73.31	74.610	
7,100.00	6,455.28	6,455.74	6,455.48	49.31	27.59	116.11	-2,159.54	-4,305.33	5,491.27	5,416.93	74.34	73.866	
7,197.64	6,542.25	6,542.97	6,542.70	50.06	27.96	116.48	-2,160.01	-4,305.13	5,512.52	5,437.18	75.34	73.165	
7,200.00	6,544.35	6,545.08	6,544.81	50.08	27.97	116.10	-2,160.02	-4,305.13	5,513.04	5,437.67	75.37	73.148	
7,250.00	6,589.22	6,590.07	6,589.80	50.44	28.16	107.55	-2,160.26	-4,305.03	5,521.92	5,446.05	75.87	72.780	
7,300.00	6,634.48	6,635.45	6,635.18	50.77	28.35	98.25	-2,160.50	-4,304.93	5,527.00	5,450.65	76.35	72.387	
7,350.00	6,679.86	6,680.94	6,680.67	51.06	28.54	88.72	-2,160.74	-4,304.83	5,528.26	5,451.45	76.81	71.975	
7,400.00	6,725.09	6,726.27	6,726.00	51.31	28.74	79.55	-2,160.98	-4,304.73	5,525.67	5,448.44	77.23	71.551	
7,450.00	6,769.87	6,771.14	6,770.87	51.52	28.93	71.24	-2,161.22	-4,304.63	5,519.27	5,441.66	77.61	71.119	
7,500.00	6,813.94	6,815.29	6,815.02	51.69	29.12	64.06	-2,161.45	-4,304.53	5,509.09	5,431.15	77.94	70.681	
7,550.00	6,857.03	6,858.45	6,858.18	51.84	29.30	58.05	-2,161.68	-4,304.43	5,495.20	5,416.96	78.24	70.239	
7,600.00	6,898.86	6,900.34	6,900.07	51.95	29.48	53.15	-2,161.91	-4,304.34	5,477.68	5,399.19	78.49	69.791	
7,650.00	6,939.19	6,940.71	6,940.44	52.05	29.65	49.21	-2,162.12	-4,304.25	5,456.63	5,377.93	78.70	69.336	
7,700.00	6,977.75	6,979.31	6,979.04	52.13	29.81	46.11	-2,162.32	-4,304.16	5,432.18	5,353.31	78.87	68.872	
7,750.00	7,014.32	7,015.90	7,015.63	52.20	29.97	43.71	-2,162.52	-4,304.08	5,404.49	5,325.47	79.01	68.399	
7,800.00	7,048.67	7,050.26	7,049.99	52.26	30.11	41.94	-2,162.70	-4,304.00	5,373.71	5,294.58	79.12	67.915	
7,850.00	7,080.59	7,082.17	7,081.90	52.33	30.25	40.73	-2,162.87	-4,303.93	5,340.02	5,260.81	79.21	67.418	
7,900.00	7,109.87	7,111.44	7,111.17	52.39	30.37	40.05	-2,163.03	-4,303.87	5,303.63	5,224.36	79.27	66.908	
7,950.00	7,136.35	7,137.89	7,137.62	52.47	30.49	39.90	-2,163.17	-4,303.81	5,264.75	5,185.45	79.31	66.385	
8,000.00	7,159.85	7,161.35	7,161.08	52.55	30.59	40.34	-2,163.29	-4,303.75	5,223.62	5,144.29	79.33	65.848	
8,050.00	7,180.23	7,181.69	7,181.41	52.64	30.67	41.49	-2,163.40	-4,303.71	5,180.48	5,101.14	79.34	65.298	
8,100.00	7,197.37	7,198.76	7,198.48	52.75	30.75	43.56	-2,163.49	-4,303.67	5,135.58	5,056.25	79.33	64.735	
8,150.00	7,211.16	7,212.48	7,212.20	52.88	30.80	47.00	-2,163.56	-4,303.64	5,089.19	5,009.87	79.32	64.161	
8,200.00	7,221.51	7,222.74	7,222.47	53.03	30.85	52.67	-2,163.62	-4,303.62	5,041.60	4,962.30	79.30	63.577	
8,250.00	7,228.37	7,229.50	7,229.23	53.20	30.88	62.41	-2,163.65	-4,303.60	4,993.07	4,913.80	79.28	62.984	
8,300.00	7,231.68	7,232.71	7,232.44	53.40	30.89	79.98	-2,163.67	-4,303.59	4,943.91	4,864.67	79.25	62.385	
8,317.45	7,232.00	7,232.99	7,232.72	53.47	30.89	88.90	-2,163.67	-4,303.59	4,926.66	4,847.42	79.24	62.175	
8,400.00	7,232.48	7,233.29	7,233.01	53.86	30.89	88.92	-2,163.67	-4,303.59	4,844.99	4,765.80	79.19	61.181	
8,500.00	7,233.06	7,233.64	7,233.37	54.44	30.89	88.95	-2,163.67	-4,303.59	4,746.09	4,666.95	79.14	59.975	
8,600.00	7,233.64	7,234.00	7,233.72	55.14	30.90	88.98	-2,163.68	-4,303.59	4,647.24	4,568.15	79.08	58.764	

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

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,700.00	7,234.22	7,234.36	7,234.08	55.99	30.90	89.01	-2,163.68	-4,303.59	4,548.43	4,469.40	79.03	57.550	
8,800.00	7,234.80	7,234.71	7,234.43	57.00	30.90	89.04	-2,163.68	-4,303.59	4,449.68	4,370.69	78.99	56.331	
8,900.00	7,235.39	7,235.07	7,234.79	58.18	30.90	89.07	-2,163.68	-4,303.59	4,350.99	4,272.04	78.95	55.108	
9,000.00	7,235.97	7,235.43	7,235.15	59.53	30.90	89.10	-2,163.68	-4,303.59	4,252.36	4,173.44	78.92	53.881	
9,100.00	7,236.55	7,235.78	7,235.50	61.04	30.90	89.13	-2,163.69	-4,303.59	4,153.79	4,074.90	78.90	52.648	
9,200.00	7,237.13	7,236.14	7,235.86	62.69	30.91	89.15	-2,163.69	-4,303.59	4,055.30	3,976.42	78.88	51.410	
9,300.00	7,237.71	7,236.49	7,236.22	64.47	30.91	89.18	-2,163.69	-4,303.59	3,956.88	3,878.00	78.88	50.166	
9,400.00	7,238.29	7,236.85	7,236.57	66.36	30.91	89.21	-2,163.69	-4,303.59	3,858.54	3,779.66	78.88	48.917	
9,500.00	7,238.87	7,237.21	7,236.93	68.34	30.91	89.24	-2,163.69	-4,303.58	3,760.29	3,681.39	78.90	47.660	
9,600.00	7,239.45	7,237.56	7,237.29	70.41	30.91	89.27	-2,163.70	-4,303.58	3,662.13	3,583.20	78.93	46.397	
9,700.00	7,240.03	7,237.92	7,237.64	72.55	30.91	89.30	-2,163.70	-4,303.58	3,564.08	3,485.10	78.98	45.127	
9,800.00	7,240.61	7,238.28	7,238.00	74.76	30.91	89.33	-2,163.70	-4,303.58	3,466.13	3,387.09	79.05	43.848	
9,900.00	7,241.20	7,238.63	7,238.35	77.02	30.92	89.36	-2,163.70	-4,303.58	3,368.31	3,289.17	79.14	42.562	
10,000.00	7,241.78	7,238.99	7,238.71	79.33	30.92	89.38	-2,163.70	-4,303.58	3,270.62	3,191.36	79.26	41.266	
10,100.00	7,242.36	7,239.35	7,239.07	81.68	30.92	89.41	-2,163.71	-4,303.58	3,173.08	3,093.67	79.41	39.960	
10,200.00	7,242.94	7,239.70	7,239.42	84.07	30.92	89.44	-2,163.71	-4,303.58	3,075.69	2,996.10	79.59	38.645	
10,300.00	7,243.52	7,240.06	7,239.78	86.49	30.92	89.47	-2,163.71	-4,303.58	2,978.47	2,898.66	79.81	37.318	
10,400.00	7,244.10	7,240.41	7,240.14	88.95	30.92	89.50	-2,163.71	-4,303.58	2,881.44	2,801.36	80.08	35.980	
10,500.00	7,244.68	7,240.77	7,240.49	91.43	30.92	89.53	-2,163.71	-4,303.58	2,784.63	2,704.22	80.41	34.630	
10,600.00	7,245.26	7,241.13	7,240.85	93.93	30.93	89.56	-2,163.71	-4,303.58	2,688.05	2,607.25	80.80	33.267	
10,700.00	7,245.84	7,241.48	7,241.21	96.46	30.93	89.59	-2,163.72	-4,303.57	2,591.72	2,510.46	81.27	31.892	
10,800.00	7,246.42	7,241.84	7,241.56	99.01	30.93	89.61	-2,163.72	-4,303.57	2,495.69	2,413.87	81.82	30.503	
10,900.00	7,247.01	7,242.20	7,241.92	101.58	30.93	89.64	-2,163.72	-4,303.57	2,399.98	2,317.51	82.47	29.102	
11,000.00	7,247.59	7,242.55	7,242.27	104.16	30.93	89.67	-2,163.72	-4,303.57	2,304.64	2,221.40	83.24	27.687	
11,100.00	7,248.17	7,242.91	7,242.63	106.76	30.93	89.70	-2,163.72	-4,303.57	2,209.70	2,125.56	84.15	26.260	
11,200.00	7,248.75	7,243.26	7,242.99	109.37	30.94	89.73	-2,163.73	-4,303.57	2,115.24	2,030.02	85.22	24.822	
11,300.00	7,249.33	7,243.62	7,243.34	112.00	30.94	89.76	-2,163.73	-4,303.57	2,021.30	1,934.83	86.47	23.375	
11,400.00	7,249.91	7,243.98	7,243.70	114.64	30.94	89.79	-2,163.73	-4,303.57	1,927.98	1,840.03	87.95	21.922	
11,500.00	7,250.49	7,244.33	7,244.06	117.29	30.94	89.82	-2,163.73	-4,303.57	1,835.36	1,745.67	89.68	20.465	
11,600.00	7,251.07	7,244.69	7,244.41	119.95	30.94	89.85	-2,163.73	-4,303.57	1,743.55	1,651.83	91.71	19.011	
11,700.00	7,251.65	7,245.05	7,244.77	122.62	30.94	89.87	-2,163.74	-4,303.57	1,652.70	1,558.60	94.10	17.563	
11,800.00	7,252.23	7,245.40	7,245.12	125.30	30.94	89.90	-2,163.74	-4,303.57	1,562.96	1,466.07	96.89	16.131	
11,900.00	7,252.82	7,245.76	7,245.48	127.98	30.95	89.93	-2,163.74	-4,303.57	1,474.54	1,374.39	100.16	14.723	
12,000.00	7,253.40	7,246.12	7,245.84	130.68	30.95	89.96	-2,163.74	-4,303.56	1,387.70	1,283.73	103.97	13.347	
12,100.00	7,253.98	7,246.47	7,246.19	133.38	30.95	89.99	-2,163.74	-4,303.56	1,302.74	1,194.33	108.41	12.016	
12,200.00	7,254.56	7,246.83	7,246.55	136.09	30.95	90.02	-2,163.74	-4,303.56	1,220.07	1,106.49	113.58	10.742	
12,300.00	7,255.14	7,247.18	7,246.91	138.81	30.95	90.05	-2,163.75	-4,303.56	1,140.18	1,020.63	119.55	9.537	
12,400.00	7,255.72	7,247.54	7,247.26	141.53	30.95	90.08	-2,163.75	-4,303.56	1,063.69	937.29	126.41	8.415	
12,500.00	7,256.30	7,247.90	7,247.62	144.26	30.96	90.10	-2,163.75	-4,303.56	991.40	857.20	134.19	7.388	
12,600.00	7,256.88	7,248.25	7,247.98	146.99	30.96	90.13	-2,163.75	-4,303.56	924.29	781.38	142.90	6.468	
12,700.00	7,257.46	7,248.61	7,248.33	149.73	30.96	90.16	-2,163.75	-4,303.56	863.56	711.15	152.41	5.666	
12,800.00	7,258.04	7,248.97	7,248.69	152.47	30.96	90.19	-2,163.76	-4,303.56	810.66	648.24	162.42	4.991	
12,900.00	7,258.63	7,249.32	7,249.04	155.22	30.96	90.22	-2,163.76	-4,303.56	767.20	594.79	172.42	4.450	
13,000.00	7,259.21	7,249.68	7,249.40	157.97	30.96	90.25	-2,163.76	-4,303.56	734.87	553.22	181.65	4.045	
13,100.00	7,259.79	7,250.04	7,249.76	160.72	30.96	90.28	-2,163.76	-4,303.56	715.17	525.94	189.23	3.779	
13,192.84	7,260.33	7,250.37	7,250.09	163.28	30.97	90.30	-2,163.76	-4,303.56	709.12	515.04	194.08	3.654	CC
13,200.00	7,260.37	7,250.39	7,250.11	163.48	30.97	90.31	-2,163.76	-4,303.56	709.15	514.81	194.35	3.649	ES
13,300.00	7,260.95	7,250.75	7,250.47	166.24	30.97	90.33	-2,163.77	-4,303.55	717.17	520.62	196.55	3.649	SF
13,400.00	7,261.53	7,251.10	7,250.83	169.01	30.97	90.36	-2,163.77	-4,303.55	738.76	542.87	195.88	3.771	
13,480.77	7,262.00	7,251.39	7,251.11	171.24	30.97	90.39	-2,163.77	-4,303.55	765.34	571.76	193.58	3.954	

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

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

Offset Design Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 740-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.00	7,243.52	11,976.00	7,279.28	86.49	107.53	89.49	-1,163.53	-11,168.03	9,905.41	9,755.94	149.46	66.273	
10,400.00	7,244.10	11,976.00	7,279.28	88.95	107.53	89.49	-1,163.53	-11,168.03	9,806.89	9,657.40	149.49	65.601	
10,500.00	7,244.68	11,976.00	7,279.28	91.43	107.53	89.49	-1,163.53	-11,168.03	9,708.40	9,558.87	149.53	64.925	
10,600.00	7,245.26	11,976.00	7,279.28	93.93	107.53	89.49	-1,163.53	-11,168.03	9,609.95	9,460.37	149.58	64.245	
10,700.00	7,245.84	11,976.00	7,279.28	96.46	107.53	89.49	-1,163.53	-11,168.03	9,511.53	9,361.89	149.64	63.563	
10,800.00	7,246.42	11,976.00	7,279.28	99.01	107.53	89.49	-1,163.53	-11,168.03	9,413.14	9,263.43	149.71	62.877	
10,900.00	7,247.01	11,976.00	7,279.28	101.58	107.53	89.49	-1,163.53	-11,168.03	9,314.78	9,164.99	149.79	62.187	
11,000.00	7,247.59	11,976.00	7,279.28	104.16	107.53	89.49	-1,163.53	-11,168.03	9,216.46	9,066.58	149.88	61.493	
11,100.00	7,248.17	11,976.00	7,279.28	106.76	107.53	89.49	-1,163.53	-11,168.03	9,118.18	8,968.20	149.98	60.796	
11,200.00	7,248.75	11,976.00	7,279.28	109.37	107.53	89.49	-1,163.53	-11,168.03	9,019.93	8,869.84	150.09	60.096	
11,300.00	7,249.33	11,976.00	7,279.28	112.00	107.53	89.49	-1,163.53	-11,168.03	8,921.73	8,771.51	150.22	59.391	
11,400.00	7,249.91	11,976.00	7,279.28	114.64	107.53	89.49	-1,163.53	-11,168.03	8,823.56	8,673.20	150.36	58.683	
11,500.00	7,250.49	11,976.00	7,279.28	117.29	107.53	89.49	-1,163.53	-11,168.03	8,725.44	8,574.92	150.51	57.971	
11,600.00	7,251.07	11,976.00	7,279.28	119.95	107.53	89.49	-1,163.53	-11,168.03	8,627.36	8,476.67	150.68	57.255	
11,700.00	7,251.65	11,976.00	7,279.28	122.62	107.53	89.49	-1,163.53	-11,168.03	8,529.32	8,378.45	150.87	56.535	
11,800.00	7,252.23	11,976.00	7,279.28	125.30	107.53	89.49	-1,163.53	-11,168.03	8,431.33	8,280.26	151.07	55.812	
11,900.00	7,252.82	11,976.00	7,279.28	127.98	107.53	89.49	-1,163.53	-11,168.03	8,333.39	8,182.10	151.28	55.084	
12,000.00	7,253.40	11,976.00	7,279.28	130.68	107.53	89.49	-1,163.53	-11,168.03	8,235.49	8,083.97	151.52	54.353	
12,100.00	7,253.98	11,976.00	7,279.28	133.38	107.53	89.49	-1,163.53	-11,168.03	8,137.65	7,985.88	151.77	53.618	
12,200.00	7,254.56	11,976.00	7,279.28	136.09	107.53	89.49	-1,163.53	-11,168.03	8,039.86	7,887.82	152.04	52.879	
12,300.00	7,255.14	11,976.00	7,279.28	138.81	107.53	89.49	-1,163.53	-11,168.03	7,942.13	7,789.79	152.33	52.136	
12,400.00	7,255.72	11,976.00	7,279.28	141.53	107.53	89.49	-1,163.53	-11,168.03	7,844.45	7,691.80	152.65	51.389	
12,500.00	7,256.30	11,976.00	7,279.28	144.26	107.53	89.49	-1,163.53	-11,168.03	7,746.83	7,593.85	152.98	50.639	
12,600.00	7,256.88	11,976.00	7,279.28	146.99	107.53	89.49	-1,163.53	-11,168.03	7,649.28	7,495.94	153.34	49.885	
12,700.00	7,257.46	11,976.00	7,279.28	149.73	107.53	89.49	-1,163.53	-11,168.03	7,551.78	7,398.06	153.72	49.127	
12,800.00	7,258.04	11,976.00	7,279.28	152.47	107.53	89.49	-1,163.53	-11,168.03	7,454.36	7,300.23	154.13	48.365	
12,900.00	7,258.63	11,976.00	7,279.28	155.22	107.53	89.49	-1,163.53	-11,168.03	7,357.00	7,202.44	154.56	47.600	
13,000.00	7,259.21	11,976.00	7,279.28	157.97	107.53	89.49	-1,163.53	-11,168.03	7,259.72	7,104.70	155.02	46.832	
13,100.00	7,259.79	11,976.00	7,279.28	160.72	107.53	89.49	-1,163.53	-11,168.03	7,162.51	7,007.00	155.50	46.060	
13,200.00	7,260.37	11,976.00	7,279.28	163.48	107.53	89.49	-1,163.53	-11,168.03	7,065.38	6,909.36	156.02	45.285	
13,300.00	7,260.95	11,976.00	7,279.28	166.24	107.53	89.49	-1,163.53	-11,168.03	6,968.33	6,811.76	156.57	44.507	
13,400.00	7,261.53	11,976.00	7,279.28	169.01	107.53	89.49	-1,163.53	-11,168.03	6,871.36	6,714.21	157.15	43.726	
13,480.77	7,262.00	11,976.00	7,279.28	171.24	107.53	89.49	-1,163.53	-11,168.03	6,793.10	6,635.46	157.64	43.093	CC, ES, SF

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

Offset Design Falken 9-11 PAD - Merritt #6-66-9-0857CH(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 725-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,000.00	7,241.78	11,988.00	7,170.83	79.33	108.39	85.97	-1,129.31	-10,862.88	9,906.58	9,759.27	147.30	67.252	
10,100.00	7,242.36	11,988.00	7,170.83	81.68	108.39	85.97	-1,129.31	-10,862.88	9,808.13	9,660.83	147.30	66.586	
10,200.00	7,242.94	11,988.00	7,170.83	84.07	108.39	85.97	-1,129.31	-10,862.88	9,709.72	9,562.41	147.30	65.916	
10,300.00	7,243.52	11,988.00	7,170.83	86.49	108.39	85.97	-1,129.31	-10,862.88	9,611.34	9,464.02	147.32	65.242	
10,400.00	7,244.10	11,988.00	7,170.83	88.95	108.39	85.97	-1,129.31	-10,862.88	9,512.99	9,365.65	147.34	64.565	
10,500.00	7,244.68	11,988.00	7,170.83	91.43	108.39	85.97	-1,129.31	-10,862.88	9,414.67	9,267.30	147.37	63.884	
10,600.00	7,245.26	11,988.00	7,170.83	93.93	108.39	85.97	-1,129.31	-10,862.88	9,316.40	9,168.98	147.41	63.200	
10,700.00	7,245.84	11,988.00	7,170.83	96.46	108.39	85.97	-1,129.31	-10,862.88	9,218.15	9,070.69	147.46	62.511	
10,800.00	7,246.42	11,988.00	7,170.83	99.01	108.39	85.97	-1,129.31	-10,862.88	9,119.95	8,972.43	147.53	61.819	
10,900.00	7,247.01	11,988.00	7,170.83	101.58	108.39	85.97	-1,129.31	-10,862.88	9,021.79	8,874.19	147.60	61.123	
11,000.00	7,247.59	11,988.00	7,170.83	104.16	108.39	85.97	-1,129.31	-10,862.88	8,923.67	8,775.98	147.69	60.422	
11,100.00	7,248.17	11,988.00	7,170.83	106.76	108.39	85.97	-1,129.31	-10,862.88	8,825.59	8,677.80	147.79	59.718	
11,200.00	7,248.75	11,988.00	7,170.83	109.37	108.39	85.97	-1,129.31	-10,862.88	8,727.55	8,579.65	147.90	59.010	
11,300.00	7,249.33	11,988.00	7,170.83	112.00	108.39	85.97	-1,129.31	-10,862.88	8,629.56	8,481.53	148.03	58.297	
11,400.00	7,249.91	11,988.00	7,170.83	114.64	108.39	85.97	-1,129.31	-10,862.88	8,531.62	8,383.45	148.17	57.580	
11,500.00	7,250.49	11,988.00	7,170.83	117.29	108.39	85.97	-1,129.31	-10,862.88	8,433.72	8,285.39	148.33	56.859	
11,600.00	7,251.07	11,988.00	7,170.83	119.95	108.39	85.97	-1,129.31	-10,862.88	8,335.87	8,187.37	148.50	56.134	
11,700.00	7,251.65	11,988.00	7,170.83	122.62	108.39	85.97	-1,129.31	-10,862.88	8,238.08	8,089.39	148.69	55.404	
11,800.00	7,252.23	11,988.00	7,170.83	125.30	108.39	85.97	-1,129.31	-10,862.88	8,140.34	7,991.44	148.90	54.671	
11,900.00	7,252.82	11,988.00	7,170.83	127.98	108.39	85.97	-1,129.31	-10,862.88	8,042.65	7,893.53	149.12	53.932	
12,000.00	7,253.40	11,988.00	7,170.83	130.68	108.39	85.97	-1,129.31	-10,862.88	7,945.02	7,795.65	149.37	53.190	
12,100.00	7,253.98	11,988.00	7,170.83	133.38	108.39	85.97	-1,129.31	-10,862.88	7,847.45	7,697.82	149.64	52.443	
12,200.00	7,254.56	11,988.00	7,170.83	136.09	108.39	85.97	-1,129.31	-10,862.88	7,749.95	7,600.02	149.92	51.692	
12,300.00	7,255.14	11,988.00	7,170.83	138.81	108.39	85.97	-1,129.31	-10,862.88	7,652.51	7,502.27	150.23	50.937	
12,400.00	7,255.72	11,988.00	7,170.83	141.53	108.39	85.97	-1,129.31	-10,862.88	7,555.13	7,404.56	150.57	50.178	
12,500.00	7,256.30	11,988.00	7,170.83	144.26	108.39	85.97	-1,129.31	-10,862.88	7,457.83	7,306.90	150.92	49.415	
12,600.00	7,256.88	11,988.00	7,170.83	146.99	108.39	85.97	-1,129.31	-10,862.88	7,360.59	7,209.29	151.31	48.647	
12,700.00	7,257.46	11,988.00	7,170.83	149.73	108.39	85.97	-1,129.31	-10,862.88	7,263.43	7,111.72	151.71	47.876	
12,800.00	7,258.04	11,988.00	7,170.83	152.47	108.39	85.97	-1,129.31	-10,862.88	7,166.35	7,014.20	152.15	47.101	
12,900.00	7,258.63	11,988.00	7,170.83	155.22	108.39	85.97	-1,129.31	-10,862.88	7,069.35	6,916.74	152.61	46.322	
13,000.00	7,259.21	11,988.00	7,170.83	157.97	108.39	85.97	-1,129.31	-10,862.88	6,972.44	6,819.33	153.11	45.539	
13,100.00	7,259.79	11,988.00	7,170.83	160.72	108.39	85.97	-1,129.31	-10,862.88	6,875.62	6,721.98	153.64	44.753	
13,200.00	7,260.37	11,988.00	7,170.83	163.48	108.39	85.97	-1,129.31	-10,862.88	6,778.88	6,624.69	154.19	43.963	
13,300.00	7,260.95	11,988.00	7,170.83	166.24	108.39	85.97	-1,129.31	-10,862.88	6,682.24	6,527.46	154.79	43.171	
13,400.00	7,261.53	11,988.00	7,170.83	169.01	108.39	85.97	-1,129.31	-10,862.88	6,585.71	6,430.29	155.41	42.375	
13,480.77	7,262.00	11,988.00	7,170.83	171.24	108.39	85.97	-1,129.31	-10,862.88	6,507.81	6,351.86	155.95	41.731	CC, ES, SF

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

Offset Design Falken 9-11 PAD - Merritt 6-66-9-0857BH(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 726-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.00	7,242.94	11,790.00	7,095.39	84.07	106.81	83.42	-1,133.91	-11,130.56	9,973.10	9,825.10	148.00	67.386	
10,300.00	7,243.52	11,790.00	7,095.39	86.49	106.81	83.42	-1,133.91	-11,130.56	9,874.64	9,726.62	148.02	66.714	
10,400.00	7,244.10	11,790.00	7,095.39	88.95	106.81	83.42	-1,133.91	-11,130.56	9,776.20	9,628.16	148.04	66.038	
10,500.00	7,244.68	11,790.00	7,095.39	91.43	106.81	83.42	-1,133.91	-11,130.56	9,677.80	9,529.73	148.07	65.358	
10,600.00	7,245.26	11,790.00	7,095.39	93.93	106.81	83.42	-1,133.91	-11,130.56	9,579.44	9,431.32	148.12	64.675	
10,700.00	7,245.84	11,790.00	7,095.39	96.46	106.81	83.42	-1,133.91	-11,130.56	9,481.10	9,332.93	148.17	63.989	
10,800.00	7,246.42	11,790.00	7,095.39	99.01	106.81	83.42	-1,133.91	-11,130.56	9,382.80	9,234.57	148.23	63.298	
10,900.00	7,247.01	11,790.00	7,095.39	101.58	106.81	83.42	-1,133.91	-11,130.56	9,284.54	9,136.24	148.31	62.604	
11,000.00	7,247.59	11,790.00	7,095.39	104.16	106.81	83.42	-1,133.91	-11,130.56	9,186.32	9,037.93	148.39	61.906	
11,100.00	7,248.17	11,790.00	7,095.39	106.76	106.81	83.42	-1,133.91	-11,130.56	9,088.13	8,939.64	148.49	61.204	
11,200.00	7,248.75	11,790.00	7,095.39	109.37	106.81	83.42	-1,133.91	-11,130.56	8,989.99	8,841.39	148.60	60.499	
11,300.00	7,249.33	11,790.00	7,095.39	112.00	106.81	83.42	-1,133.91	-11,130.56	8,891.88	8,743.16	148.72	59.789	
11,400.00	7,249.91	11,790.00	7,095.39	114.64	106.81	83.42	-1,133.91	-11,130.56	8,793.82	8,644.96	148.86	59.075	
11,500.00	7,250.49	11,790.00	7,095.39	117.29	106.81	83.42	-1,133.91	-11,130.56	8,695.80	8,546.79	149.01	58.357	
11,600.00	7,251.07	11,790.00	7,095.39	119.95	106.81	83.42	-1,133.91	-11,130.56	8,597.83	8,448.65	149.18	57.635	
11,700.00	7,251.65	11,790.00	7,095.39	122.62	106.81	83.42	-1,133.91	-11,130.56	8,499.91	8,350.55	149.36	56.909	
11,800.00	7,252.23	11,790.00	7,095.39	125.30	106.81	83.42	-1,133.91	-11,130.56	8,402.03	8,252.47	149.56	56.179	
11,900.00	7,252.82	11,790.00	7,095.39	127.98	106.81	83.42	-1,133.91	-11,130.56	8,304.20	8,154.43	149.77	55.445	
12,000.00	7,253.40	11,790.00	7,095.39	130.68	106.81	83.42	-1,133.91	-11,130.56	8,206.43	8,056.42	150.01	54.706	
12,100.00	7,253.98	11,790.00	7,095.39	133.38	106.81	83.42	-1,133.91	-11,130.56	8,108.71	7,958.45	150.26	53.964	
12,200.00	7,254.56	11,790.00	7,095.39	136.09	106.81	83.42	-1,133.91	-11,130.56	8,011.05	7,860.52	150.54	53.217	
12,300.00	7,255.14	11,790.00	7,095.39	138.81	106.81	83.42	-1,133.91	-11,130.56	7,913.45	7,762.62	150.83	52.466	
12,400.00	7,255.72	11,790.00	7,095.39	141.53	106.81	83.42	-1,133.91	-11,130.56	7,815.90	7,664.76	151.14	51.712	
12,500.00	7,256.30	11,790.00	7,095.39	144.26	106.81	83.42	-1,133.91	-11,130.56	7,718.42	7,566.94	151.48	50.953	
12,600.00	7,256.88	11,790.00	7,095.39	146.99	106.81	83.42	-1,133.91	-11,130.56	7,621.01	7,469.16	151.84	50.190	
12,700.00	7,257.46	11,790.00	7,095.39	149.73	106.81	83.42	-1,133.91	-11,130.56	7,523.66	7,371.43	152.23	49.423	
12,800.00	7,258.04	11,790.00	7,095.39	152.47	106.81	83.42	-1,133.91	-11,130.56	7,426.38	7,273.74	152.64	48.653	
12,900.00	7,258.63	11,790.00	7,095.39	155.22	106.81	83.42	-1,133.91	-11,130.56	7,329.18	7,176.10	153.08	47.879	
13,000.00	7,259.21	11,790.00	7,095.39	157.97	106.81	83.42	-1,133.91	-11,130.56	7,232.05	7,078.51	153.54	47.101	
13,100.00	7,259.79	11,790.00	7,095.39	160.72	106.81	83.42	-1,133.91	-11,130.56	7,135.01	6,980.97	154.04	46.320	
13,200.00	7,260.37	11,790.00	7,095.39	163.48	106.81	83.42	-1,133.91	-11,130.56	7,038.04	6,883.48	154.56	45.535	
13,300.00	7,260.95	11,790.00	7,095.39	166.24	106.81	83.42	-1,133.91	-11,130.56	6,941.16	6,786.04	155.12	44.747	
13,400.00	7,261.53	11,790.00	7,095.39	169.01	106.81	83.42	-1,133.91	-11,130.56	6,844.37	6,688.66	155.71	43.957	
13,480.77	7,262.00	11,790.00	7,095.39	171.24	106.81	83.42	-1,133.91	-11,130.56	6,766.26	6,610.05	156.21	43.316	CC, ES, SF

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

Offset Design Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-141.52	-2,297.61	-1,826.45	2,935.20				
100.00	100.00	79.00	79.00	3.28	3.56	-141.52	-2,297.61	-1,826.45	2,935.12	2,928.28	6.84	428.936	
200.00	200.00	179.00	179.00	3.34	5.57	-141.52	-2,297.61	-1,826.45	2,935.12	2,926.21	8.91	329.482	
300.00	300.00	279.00	279.00	3.44	8.64	-141.52	-2,297.61	-1,826.45	2,935.12	2,923.03	12.09	242.853	
400.00	399.98	378.98	378.98	3.60	11.94	63.41	-2,297.61	-1,826.45	2,934.34	2,918.80	15.54	188.828	
500.00	499.84	478.84	478.84	3.79	15.33	63.54	-2,297.61	-1,826.45	2,932.00	2,912.89	19.11	153.413	
600.00	599.45	578.45	578.45	4.02	18.74	63.76	-2,297.61	-1,826.45	2,928.12	2,905.36	22.76	128.676	
700.00	698.70	677.70	677.70	4.29	22.16	64.07	-2,297.61	-1,826.45	2,922.73	2,896.28	26.45	110.519	
800.00	797.47	776.47	776.47	4.59	25.57	64.47	-2,297.61	-1,826.45	2,915.87	2,885.70	30.17	96.664	
900.00	895.62	874.62	874.62	4.93	28.97	64.95	-2,297.61	-1,826.45	2,907.59	2,873.69	33.90	85.759	
1,000.00	993.06	972.06	972.06	5.31	32.36	65.52	-2,297.61	-1,826.45	2,897.97	2,860.31	37.65	76.962	
1,100.00	1,089.64	1,068.64	1,068.64	5.72	35.71	66.18	-2,297.61	-1,826.45	2,887.07	2,845.66	41.41	69.718	
1,200.00	1,185.27	1,164.27	1,164.27	6.16	39.04	66.92	-2,297.61	-1,826.45	2,874.99	2,829.82	45.17	63.652	
1,300.00	1,279.82	1,258.82	1,258.82	6.64	42.33	67.73	-2,297.61	-1,826.45	2,861.83	2,812.91	48.92	58.499	
1,400.00	1,373.17	1,352.17	1,352.17	7.15	45.58	68.63	-2,297.61	-1,826.45	2,847.71	2,795.04	52.67	54.067	
1,500.00	1,465.21	1,444.21	1,444.21	7.70	48.78	69.60	-2,297.61	-1,826.45	2,832.74	2,776.33	56.41	50.216	
1,600.00	1,555.84	1,534.84	1,534.84	8.30	51.94	70.63	-2,297.61	-1,826.45	2,817.08	2,756.93	60.14	46.840	
1,651.50	1,601.92	1,580.92	1,580.92	8.62	53.55	71.19	-2,297.61	-1,826.45	2,808.78	2,746.72	62.06	45.260	
1,700.00	1,645.13	1,624.13	1,624.13	8.93	55.05	71.58	-2,297.61	-1,826.45	2,800.99	2,737.12	63.86	43.858	
1,800.00	1,734.20	1,713.20	1,713.20	9.58	58.16	72.38	-2,297.61	-1,826.45	2,785.40	2,717.79	67.61	41.200	
1,900.00	1,823.28	1,802.28	1,802.28	10.25	61.26	73.18	-2,297.61	-1,826.45	2,770.46	2,699.10	71.37	38.819	
2,000.00	1,912.36	1,908.64	1,891.36	10.94	64.97	74.00	-2,297.61	-1,826.45	2,756.20	2,680.45	75.75	36.385	
2,100.00	2,001.43	1,980.43	1,980.43	11.63	67.47	74.82	-2,297.61	-1,826.45	2,742.61	2,663.67	78.94	34.742	
2,200.00	2,090.51	2,069.51	2,069.51	12.34	70.58	75.65	-2,297.61	-1,826.45	2,729.72	2,646.97	82.75	32.988	
2,300.00	2,179.59	2,158.59	2,158.59	13.05	73.68	76.48	-2,297.61	-1,826.45	2,717.52	2,630.95	86.57	31.392	
2,400.00	2,268.66	2,247.66	2,247.66	13.76	76.79	77.32	-2,297.61	-1,826.45	2,706.03	2,615.64	90.39	29.936	
2,500.00	2,357.74	2,336.74	2,336.74	14.49	79.90	78.16	-2,297.61	-1,826.45	2,695.26	2,601.03	94.23	28.603	
2,600.00	2,446.82	2,425.82	2,425.82	15.21	83.00	79.01	-2,297.61	-1,826.45	2,685.21	2,587.14	98.07	27.380	
2,700.00	2,535.89	2,514.89	2,514.89	15.95	86.11	79.86	-2,297.61	-1,826.45	2,675.90	2,573.98	101.92	26.255	
2,800.00	2,624.97	2,603.97	2,603.97	16.68	89.22	80.72	-2,297.61	-1,826.45	2,667.33	2,561.56	105.77	25.218	
2,900.00	2,714.05	2,706.95	2,693.05	17.42	92.81	81.59	-2,297.61	-1,826.45	2,659.51	2,549.39	110.12	24.152	
3,000.00	2,803.12	2,782.12	2,782.12	18.16	95.44	82.45	-2,297.61	-1,826.45	2,652.44	2,538.95	113.49	23.371	
3,100.00	2,892.20	2,871.20	2,871.20	18.90	98.54	83.32	-2,297.61	-1,826.45	2,646.14	2,528.78	117.36	22.548	
3,200.00	2,981.28	2,960.28	2,960.28	19.65	101.65	84.20	-2,297.61	-1,826.45	2,640.60	2,519.38	121.23	21.783	
3,300.00	3,070.36	3,049.36	3,049.36	20.40	104.76	85.07	-2,297.61	-1,826.45	2,635.84	2,510.75	125.10	21.071	
3,400.00	3,159.43	3,138.43	3,138.43	21.14	107.87	85.95	-2,297.61	-1,826.45	2,631.85	2,502.89	128.97	20.407	
3,500.00	3,248.51	3,227.51	3,227.51	21.89	110.98	86.83	-2,297.61	-1,826.45	2,628.64	2,495.81	132.84	19.789	
3,600.00	3,337.59	3,316.59	3,316.59	22.65	114.08	87.72	-2,297.61	-1,826.45	2,626.22	2,489.51	136.71	19.210	
3,700.00	3,426.66	3,405.66	3,405.66	23.40	117.19	88.60	-2,297.61	-1,826.45	2,624.58	2,484.00	140.58	18.670	
3,800.00	3,515.74	3,505.26	3,494.74	24.15	120.67	89.48	-2,297.61	-1,826.45	2,623.72	2,478.91	144.81	18.118	
3,858.58	3,567.92	3,546.92	3,546.92	24.59	122.12	90.00	-2,297.61	-1,826.45	2,623.59	2,476.87	146.71	17.882	
3,900.00	3,604.82	3,583.82	3,583.82	24.91	123.41	90.37	-2,297.61	-1,826.45	2,623.66	2,475.34	148.32	17.690	
4,000.00	3,693.89	3,672.89	3,672.89	25.66	126.52	91.25	-2,297.61	-1,826.45	2,624.38	2,472.19	152.18	17.245	
4,100.00	3,782.97	3,761.97	3,761.97	26.42	129.63	92.13	-2,297.61	-1,826.45	2,625.88	2,469.84	156.04	16.828	
4,200.00	3,872.05	3,851.05	3,851.05	27.18	132.74	93.02	-2,297.61	-1,826.45	2,628.17	2,468.27	159.91	16.436	
4,300.00	3,961.12	3,940.12	3,940.12	27.94	135.84	93.90	-2,297.61	-1,826.45	2,631.25	2,467.48	163.76	16.067	
4,400.00	4,050.20	4,029.20	4,029.20	28.69	138.95	94.78	-2,297.61	-1,826.45	2,635.10	2,467.48	167.62	15.721	
4,500.00	4,139.28	4,118.28	4,118.28	29.45	142.06	95.65	-2,297.61	-1,826.45	2,639.73	2,468.27	171.47	15.395	
4,600.00	4,228.35	4,207.35	4,207.35	30.21	145.17	96.53	-2,297.61	-1,826.45	2,645.14	2,469.82	175.31	15.088	
4,700.00	4,317.43	4,303.57	4,296.43	30.97	148.53	97.40	-2,297.61	-1,826.45	2,651.31	2,471.91	179.40	14.779	
4,800.00	4,406.51	4,385.51	4,385.51	31.73	151.39	98.26	-2,297.61	-1,826.45	2,658.24	2,475.25	182.99	14.527	
4,900.00	4,495.59	4,474.59	4,474.59	32.50	154.50	99.13	-2,297.61	-1,826.45	2,665.93	2,479.12	186.82	14.270	

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

Offset Design Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,563.66	4,563.66	33.26	157.61	99.99	-2,297.61	-1,826.45	2,674.38	2,483.73	190.64	14.028	
5,100.00	4,673.74	4,652.74	4,652.74	34.02	160.72	100.84	-2,297.61	-1,826.45	2,683.56	2,489.10	194.46	13.800	
5,200.00	4,762.82	4,741.82	4,741.82	34.78	163.82	101.69	-2,297.61	-1,826.45	2,693.48	2,495.20	198.28	13.584	
5,300.00	4,851.89	4,830.89	4,830.89	35.54	166.93	102.54	-2,297.61	-1,826.45	2,704.13	2,502.04	202.09	13.381	
5,400.00	4,940.97	4,919.97	4,919.97	36.31	170.04	103.38	-2,297.61	-1,826.45	2,715.50	2,509.61	205.89	13.189	
5,500.00	5,030.05	5,009.05	5,009.05	37.07	173.15	104.21	-2,297.61	-1,826.45	2,727.57	2,517.89	209.68	13.008	
5,600.00	5,119.12	5,101.88	5,098.12	37.83	176.39	105.04	-2,297.61	-1,826.45	2,740.35	2,526.75	213.60	12.829	
5,700.00	5,208.20	5,187.20	5,187.20	38.60	179.37	105.86	-2,297.61	-1,826.45	2,753.82	2,536.57	217.25	12.676	
5,800.00	5,297.28	5,276.28	5,276.28	39.36	182.48	106.68	-2,297.61	-1,826.45	2,767.97	2,546.94	221.03	12.523	
5,900.00	5,386.35	5,365.35	5,365.35	40.13	185.59	107.48	-2,297.61	-1,826.45	2,782.79	2,557.99	224.80	12.379	
6,000.00	5,475.43	5,454.43	5,454.43	40.89	188.70	108.28	-2,297.61	-1,826.45	2,798.27	2,569.70	228.56	12.243	
6,100.00	5,564.51	5,543.51	5,543.51	41.66	191.81	109.08	-2,297.61	-1,826.45	2,814.39	2,582.08	232.32	12.114	
6,200.00	5,653.58	5,632.58	5,632.58	42.42	194.92	109.86	-2,297.61	-1,826.45	2,831.16	2,595.09	236.07	11.993	
6,300.00	5,742.66	5,721.66	5,721.66	43.19	198.03	110.64	-2,297.61	-1,826.45	2,848.55	2,608.74	239.81	11.878	
6,400.00	5,831.74	5,810.74	5,810.74	43.95	201.13	111.41	-2,297.61	-1,826.45	2,866.56	2,623.01	243.55	11.770	
6,500.00	5,920.82	5,900.18	5,899.82	44.72	204.26	112.17	-2,297.61	-1,826.45	2,885.17	2,637.87	247.29	11.667	
6,600.00	6,009.89	5,988.89	5,988.89	45.48	207.35	112.93	-2,297.61	-1,826.45	2,904.37	2,653.36	251.01	11.571	
6,700.00	6,098.97	6,077.97	6,077.97	46.25	210.46	113.67	-2,297.61	-1,826.45	2,924.15	2,669.43	254.73	11.480	
6,800.00	6,188.05	6,167.05	6,167.05	47.01	213.57	114.41	-2,297.61	-1,826.45	2,944.51	2,686.07	258.44	11.393	
6,900.00	6,277.12	6,256.12	6,256.12	47.78	216.68	115.14	-2,297.61	-1,826.45	2,965.41	2,703.27	262.15	11.312	
7,000.00	6,366.20	6,345.20	6,345.20	48.55	219.79	115.86	-2,297.61	-1,826.45	2,986.87	2,721.02	265.85	11.235	
7,100.00	6,455.28	6,434.28	6,434.28	49.31	222.90	116.57	-2,297.61	-1,826.45	3,008.85	2,739.31	269.54	11.163	
7,197.64	6,542.25	6,521.25	6,521.25	50.06	225.94	117.26	-2,297.61	-1,826.45	3,030.82	2,757.68	273.15	11.096	
7,200.00	6,544.35	6,523.35	6,523.35	50.08	226.01	116.89	-2,297.61	-1,826.45	3,031.36	2,758.12	273.24	11.094	
7,250.00	6,589.22	6,568.22	6,568.22	50.44	227.58	108.47	-2,297.61	-1,826.45	3,040.71	2,765.63	275.08	11.054	
7,300.00	6,634.48	6,613.48	6,613.48	50.77	229.15	99.32	-2,297.61	-1,826.45	3,046.33	2,769.41	276.91	11.001	
7,350.00	6,679.86	6,658.86	6,658.86	51.06	230.74	89.94	-2,297.61	-1,826.45	3,048.18	2,769.46	278.72	10.936	
7,400.00	6,725.09	6,704.09	6,704.09	51.31	232.32	80.94	-2,297.61	-1,826.45	3,046.28	2,765.79	280.49	10.861	
7,450.00	6,769.87	6,748.87	6,748.87	51.52	233.88	72.81	-2,297.61	-1,826.45	3,040.64	2,758.43	282.21	10.775	
7,500.00	6,813.94	6,807.06	6,792.94	51.69	235.91	65.81	-2,297.61	-1,826.45	3,031.29	2,746.94	284.35	10.661	
7,550.00	6,857.03	6,836.03	6,836.03	51.84	236.92	60.01	-2,297.61	-1,826.45	3,018.29	2,732.86	285.43	10.575	
7,600.00	6,898.86	6,877.86	6,877.86	51.95	238.38	55.34	-2,297.61	-1,826.45	3,001.74	2,714.82	286.92	10.462	
7,650.00	6,939.19	6,918.19	6,918.19	52.05	239.79	51.66	-2,297.61	-1,826.45	2,981.72	2,693.39	288.33	10.341	
7,700.00	6,977.75	6,956.75	6,956.75	52.13	241.14	48.84	-2,297.61	-1,826.45	2,958.37	2,668.73	289.64	10.214	
7,750.00	7,014.32	7,006.68	6,993.32	52.20	242.88	46.77	-2,297.61	-1,826.45	2,931.81	2,640.49	291.32	10.064	
7,800.00	7,048.67	7,027.67	7,027.67	52.26	243.61	45.36	-2,297.61	-1,826.45	2,902.22	2,610.24	291.97	9.940	
7,850.00	7,080.59	7,059.59	7,059.59	52.33	244.73	44.57	-2,297.61	-1,826.45	2,869.75	2,576.77	292.99	9.795	
7,900.00	7,109.87	7,088.87	7,088.87	52.39	245.75	44.38	-2,297.61	-1,826.45	2,834.61	2,540.72	293.89	9.645	
7,950.00	7,136.35	7,115.35	7,115.35	52.47	246.67	44.80	-2,297.61	-1,826.45	2,797.01	2,502.31	294.69	9.491	
8,000.00	7,159.85	7,138.85	7,138.85	52.55	247.49	45.90	-2,297.61	-1,826.45	2,757.15	2,461.76	295.38	9.334	
8,050.00	7,180.23	7,159.23	7,159.23	52.64	248.21	47.80	-2,297.61	-1,826.45	2,715.26	2,419.30	295.96	9.174	
8,100.00	7,197.37	7,176.37	7,176.37	52.75	248.80	50.72	-2,297.61	-1,826.45	2,671.61	2,375.17	296.43	9.012	
8,150.00	7,211.16	7,209.84	7,190.16	52.88	249.97	55.00	-2,297.61	-1,826.45	2,626.42	2,328.94	297.48	8.829	
8,200.00	7,221.51	7,200.51	7,200.51	53.03	249.65	61.21	-2,297.61	-1,826.45	2,579.97	2,282.92	297.05	8.685	
8,250.00	7,228.37	7,207.37	7,207.37	53.20	249.89	70.21	-2,297.61	-1,826.45	2,532.51	2,235.33	297.19	8.522	
8,300.00	7,231.68	7,210.68	7,210.68	53.40	250.00	83.08	-2,297.61	-1,826.45	2,484.34	2,187.11	297.22	8.359	
8,317.45	7,232.00	7,211.00	7,211.00	53.47	250.01	88.63	-2,297.61	-1,826.45	2,467.40	2,170.19	297.21	8.302	
8,400.00	7,232.48	7,211.48	7,211.48	53.86	250.03	88.68	-2,297.61	-1,826.45	2,387.26	2,090.14	297.12	8.035	
8,500.00	7,233.06	7,212.06	7,212.06	54.44	250.05	88.73	-2,297.61	-1,826.45	2,290.40	1,993.40	297.01	7.712	
8,600.00	7,233.64	7,212.64	7,212.64	55.14	250.07	88.79	-2,297.61	-1,826.45	2,193.83	1,896.92	296.91	7.389	
8,700.00	7,234.22	7,213.22	7,213.22	55.99	250.09	88.85	-2,297.61	-1,826.45	2,097.58	1,800.75	296.83	7.067	
8,800.00	7,234.80	7,213.80	7,213.80	57.00	250.11	88.90	-2,297.61	-1,826.45	2,001.70	1,704.93	296.77	6.745	

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

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

Offset Design Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,214.39	7,214.39	58.18	250.13	88.96	-2,297.61	-1,826.45	1,906.24	1,609.50	296.74	6.424	
9,000.00	7,235.97	7,214.97	7,214.97	59.53	250.15	89.02	-2,297.61	-1,826.45	1,811.27	1,514.52	296.75	6.104	
9,100.00	7,236.55	7,215.55	7,215.55	61.04	250.17	89.08	-2,297.61	-1,826.45	1,716.87	1,420.05	296.82	5.784	
9,200.00	7,237.13	7,216.13	7,216.13	62.69	250.19	89.13	-2,297.61	-1,826.45	1,623.14	1,326.18	296.96	5.466	
9,300.00	7,237.71	7,216.71	7,216.71	64.47	250.21	89.19	-2,297.61	-1,826.45	1,530.20	1,233.00	297.20	5.149	
9,400.00	7,238.29	7,217.29	7,217.29	66.36	250.23	89.25	-2,297.61	-1,826.45	1,438.21	1,140.63	297.58	4.833	
9,500.00	7,238.87	7,217.87	7,217.87	68.34	250.25	89.30	-2,297.61	-1,826.45	1,347.37	1,049.23	298.14	4.519	
9,600.00	7,239.45	7,218.45	7,218.45	70.41	250.27	89.36	-2,297.61	-1,826.45	1,257.91	958.97	298.95	4.208	
9,700.00	7,240.03	7,219.03	7,219.03	72.55	250.29	89.42	-2,297.61	-1,826.45	1,170.16	870.09	300.07	3.900	
9,800.00	7,240.61	7,219.61	7,219.61	74.76	250.31	89.48	-2,297.61	-1,826.45	1,084.54	782.92	301.62	3.596	
9,900.00	7,241.20	7,220.20	7,220.20	77.02	250.33	89.53	-2,297.61	-1,826.45	1,001.58	697.86	303.72	3.298	
10,000.00	7,241.78	7,220.78	7,220.78	79.33	250.35	89.59	-2,297.61	-1,826.45	922.01	615.50	306.51	3.008	
10,100.00	7,242.36	7,221.36	7,221.36	81.68	250.37	89.65	-2,297.61	-1,826.45	846.78	536.64	310.14	2.730	
10,200.00	7,242.94	7,221.94	7,221.94	84.07	250.39	89.71	-2,297.61	-1,826.45	777.16	462.41	314.75	2.469	
10,300.00	7,243.52	7,222.52	7,222.52	86.49	250.41	89.76	-2,297.61	-1,826.45	714.78	394.40	320.37	2.231	
10,400.00	7,244.10	7,223.10	7,223.10	88.95	250.43	89.82	-2,297.61	-1,826.45	661.70	334.81	326.89	2.024	
10,500.00	7,244.68	7,223.68	7,223.68	91.43	250.46	89.88	-2,297.61	-1,826.45	620.31	286.44	333.86	1.858	
10,600.00	7,245.26	7,224.26	7,224.26	93.93	250.48	89.93	-2,297.61	-1,826.45	593.05	252.50	340.56	1.741	
10,700.00	7,245.84	7,224.84	7,224.84	96.46	250.50	89.99	-2,297.61	-1,826.45	581.93	235.90	346.03	1.682	
10,715.33	7,245.93	7,224.93	7,224.93	96.85	250.50	90.00	-2,297.61	-1,826.45	581.73	235.03	346.71	1.678	CC, ES, SF
10,800.00	7,246.42	7,225.42	7,225.42	99.01	250.52	90.05	-2,297.61	-1,826.45	587.86	238.35	349.51	1.682	
10,900.00	7,247.01	7,226.01	7,226.01	101.58	250.54	90.11	-2,297.61	-1,826.45	610.34	259.56	350.77	1.740	
11,000.00	7,247.59	7,226.59	7,226.59	104.16	250.56	90.16	-2,297.61	-1,826.45	647.64	297.52	350.13	1.850	
11,100.00	7,248.17	7,227.17	7,227.17	106.76	250.58	90.22	-2,297.61	-1,826.45	697.41	349.22	348.19	2.003	
11,200.00	7,248.75	7,227.75	7,227.75	109.37	250.60	90.28	-2,297.61	-1,826.45	757.17	411.61	345.56	2.191	
11,300.00	7,249.33	7,228.33	7,228.33	112.00	250.62	90.33	-2,297.61	-1,826.45	824.76	482.08	342.68	2.407	
11,400.00	7,249.91	7,228.91	7,228.91	114.64	250.64	90.39	-2,297.61	-1,826.45	898.42	558.59	339.83	2.644	
11,500.00	7,250.49	7,229.49	7,229.49	117.29	250.66	90.45	-2,297.61	-1,826.45	976.78	639.62	337.15	2.897	
11,600.00	7,251.07	7,230.07	7,230.07	119.95	250.68	90.51	-2,297.61	-1,826.45	1,058.78	724.08	334.70	3.163	
11,700.00	7,251.65	7,230.65	7,230.65	122.62	250.70	90.56	-2,297.61	-1,826.45	1,143.65	811.15	332.50	3.440	
11,800.00	7,252.23	7,231.23	7,231.23	125.30	250.72	90.62	-2,297.61	-1,826.45	1,230.80	900.26	330.54	3.724	
11,900.00	7,252.82	7,231.82	7,231.82	127.98	250.74	90.68	-2,297.61	-1,826.45	1,319.77	990.98	328.79	4.014	
12,000.00	7,253.40	7,232.40	7,232.40	130.68	250.76	90.74	-2,297.61	-1,826.45	1,410.22	1,082.98	327.24	4.309	
12,100.00	7,253.98	7,232.98	7,232.98	133.38	250.78	90.79	-2,297.61	-1,826.45	1,501.88	1,176.02	325.86	4.609	
12,200.00	7,254.56	7,233.56	7,233.56	136.09	250.80	90.85	-2,297.61	-1,826.45	1,594.54	1,269.91	324.63	4.912	
12,300.00	7,255.14	7,234.14	7,234.14	138.81	250.82	90.91	-2,297.61	-1,826.45	1,688.04	1,364.51	323.53	5.218	
12,400.00	7,255.72	7,234.72	7,234.72	141.53	250.84	90.96	-2,297.61	-1,826.45	1,782.25	1,459.70	322.55	5.526	
12,500.00	7,256.30	7,235.30	7,235.30	144.26	250.86	91.02	-2,297.61	-1,826.45	1,877.05	1,555.39	321.67	5.835	
12,600.00	7,256.88	7,235.88	7,235.88	146.99	250.88	91.08	-2,297.61	-1,826.45	1,972.37	1,651.50	320.87	6.147	
12,700.00	7,257.46	7,236.46	7,236.46	149.73	250.90	91.14	-2,297.61	-1,826.45	2,068.13	1,747.98	320.16	6.460	
12,800.00	7,258.04	7,237.04	7,237.04	152.47	250.92	91.19	-2,297.61	-1,826.45	2,164.28	1,844.77	319.51	6.774	
12,900.00	7,258.63	7,237.63	7,237.63	155.22	250.94	91.25	-2,297.61	-1,826.45	2,260.75	1,941.84	318.92	7.089	
13,000.00	7,259.21	7,238.21	7,238.21	157.97	250.96	91.31	-2,297.61	-1,826.45	2,357.53	2,039.14	318.38	7.405	
13,100.00	7,259.79	7,238.79	7,238.79	160.72	250.98	91.36	-2,297.61	-1,826.45	2,454.56	2,136.66	317.90	7.721	
13,200.00	7,260.37	7,239.37	7,239.37	163.48	251.00	91.42	-2,297.61	-1,826.45	2,551.82	2,234.37	317.45	8.038	
13,300.00	7,260.95	7,239.95	7,239.95	166.24	251.02	91.48	-2,297.61	-1,826.45	2,649.28	2,332.24	317.04	8.356	
13,400.00	7,261.53	7,240.53	7,240.53	169.01	251.04	91.54	-2,297.61	-1,826.45	2,746.92	2,430.26	316.67	8.674	
13,480.77	7,262.00	7,241.00	7,241.00	171.24	251.06	91.58	-2,297.61	-1,826.45	2,825.92	2,509.53	316.39	8.932	

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

Offset Design Falken 9-11 PAD - Montera #10-33(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	17.00	17.00	3.28	3.29	-85.61	531.03	-6,910.91	6,931.28				
100.00	100.00	117.00	117.00	3.28	4.03	-85.61	531.03	-6,910.91	6,931.28	6,923.97	7.31	947.771	
200.00	200.00	217.00	217.00	3.34	6.69	-85.61	531.03	-6,910.91	6,931.28	6,921.25	10.03	691.306	
300.00	300.00	317.00	317.00	3.44	9.88	-85.61	531.03	-6,910.91	6,931.28	6,917.95	13.33	520.126	
400.00	399.98	416.98	416.98	3.60	13.22	119.27	531.03	-6,910.91	6,932.13	6,915.31	16.82	412.133	
500.00	499.84	516.84	516.84	3.79	16.62	119.26	531.03	-6,910.91	6,934.69	6,914.28	20.41	339.777	
600.00	599.45	616.45	616.45	4.02	20.05	119.25	531.03	-6,910.91	6,938.97	6,914.90	24.06	288.372	
700.00	698.70	715.70	715.70	4.29	23.47	119.24	531.03	-6,910.91	6,944.95	6,917.20	27.76	250.199	
800.00	797.47	814.47	814.47	4.59	26.89	119.21	531.03	-6,910.91	6,952.66	6,921.18	31.48	220.851	
900.00	895.62	912.62	912.62	4.93	30.29	119.18	531.03	-6,910.91	6,962.10	6,926.88	35.22	197.658	
1,000.00	993.06	1,010.06	1,010.06	5.31	33.68	119.14	531.03	-6,910.91	6,973.28	6,934.31	38.98	178.916	
1,100.00	1,089.64	1,106.64	1,106.64	5.72	37.03	119.10	531.03	-6,910.91	6,986.22	6,943.48	42.73	163.490	
1,200.00	1,185.27	1,202.27	1,202.27	6.16	40.36	119.04	531.03	-6,910.91	7,000.91	6,954.42	46.49	150.598	
1,300.00	1,279.82	1,303.18	1,296.82	6.64	43.87	118.97	531.03	-6,910.91	7,017.38	6,966.92	50.46	139.070	
1,400.00	1,373.17	1,409.83	1,390.17	7.15	47.58	118.89	531.03	-6,910.91	7,035.64	6,980.97	54.66	128.709	
1,500.00	1,465.21	1,482.21	1,482.21	7.70	50.11	118.79	531.03	-6,910.91	7,055.70	6,997.99	57.71	122.269	
1,600.00	1,555.84	1,572.84	1,572.84	8.30	53.26	118.68	531.03	-6,910.91	7,077.57	7,016.15	61.42	115.237	
1,651.50	1,601.92	1,618.92	1,618.92	8.62	54.87	118.61	531.03	-6,910.91	7,089.55	7,026.23	63.32	111.963	
1,700.00	1,645.13	1,662.13	1,662.13	8.93	56.37	118.75	531.03	-6,910.91	7,101.09	7,035.97	65.11	109.061	
1,800.00	1,734.20	1,751.20	1,751.20	9.58	59.48	119.05	531.03	-6,910.91	7,125.03	7,056.21	68.82	103.539	
1,900.00	1,823.28	1,840.28	1,840.28	10.25	62.58	119.34	531.03	-6,910.91	7,149.17	7,076.64	72.53	98.565	
2,000.00	1,912.36	1,929.36	1,929.36	10.94	65.69	119.63	531.03	-6,910.91	7,173.53	7,097.27	76.26	94.066	
2,100.00	2,001.43	2,018.43	2,018.43	11.63	68.80	119.92	531.03	-6,910.91	7,198.09	7,118.09	80.00	89.979	
2,200.00	2,090.51	2,107.51	2,107.51	12.34	71.90	120.21	531.03	-6,910.91	7,222.85	7,139.11	83.74	86.252	
2,300.00	2,179.59	2,203.41	2,196.59	13.05	75.25	120.49	531.03	-6,910.91	7,247.81	7,160.08	87.73	82.617	
2,400.00	2,268.66	2,285.66	2,285.66	13.76	78.12	120.78	531.03	-6,910.91	7,272.97	7,181.73	91.24	79.710	
2,500.00	2,357.74	2,374.74	2,374.74	14.49	81.22	121.06	531.03	-6,910.91	7,298.33	7,203.33	95.00	76.825	
2,600.00	2,446.82	2,463.82	2,463.82	15.21	84.33	121.34	531.03	-6,910.91	7,323.88	7,225.12	98.76	74.159	
2,700.00	2,535.89	2,552.89	2,552.89	15.95	87.44	121.62	531.03	-6,910.91	7,349.62	7,247.10	102.52	71.689	
2,800.00	2,624.97	2,641.97	2,641.97	16.68	90.55	121.90	531.03	-6,910.91	7,375.56	7,269.27	106.28	69.395	
2,900.00	2,714.05	2,731.05	2,731.05	17.42	93.65	122.17	531.03	-6,910.91	7,401.68	7,291.63	110.05	67.259	
3,000.00	2,803.12	2,820.12	2,820.12	18.16	96.76	122.45	531.03	-6,910.91	7,427.99	7,314.18	113.81	65.266	
3,100.00	2,892.20	2,909.20	2,909.20	18.90	99.87	122.72	531.03	-6,910.91	7,454.48	7,336.90	117.58	63.401	
3,200.00	2,981.28	3,001.72	2,998.28	19.65	103.10	122.99	531.03	-6,910.91	7,481.15	7,359.69	121.46	61.593	
3,300.00	3,070.36	3,087.36	3,087.36	20.40	106.09	123.26	531.03	-6,910.91	7,508.01	7,382.90	125.11	60.013	
3,400.00	3,159.43	3,176.43	3,176.43	21.14	109.19	123.53	531.03	-6,910.91	7,535.04	7,406.17	128.87	58.469	
3,500.00	3,248.51	3,265.51	3,265.51	21.89	112.30	123.79	531.03	-6,910.91	7,562.25	7,429.61	132.64	57.015	
3,600.00	3,337.59	3,354.59	3,354.59	22.65	115.41	124.06	531.03	-6,910.91	7,589.63	7,453.23	136.40	55.642	
3,700.00	3,426.66	3,443.66	3,443.66	23.40	118.52	124.32	531.03	-6,910.91	7,617.19	7,477.03	140.16	54.345	
3,800.00	3,515.74	3,532.74	3,532.74	24.15	121.63	124.58	531.03	-6,910.91	7,644.92	7,500.99	143.93	53.117	
3,900.00	3,604.82	3,621.82	3,621.82	24.91	124.74	124.84	531.03	-6,910.91	7,672.82	7,525.13	147.69	51.953	
4,000.00	3,693.89	3,710.89	3,710.89	25.66	127.84	125.10	531.03	-6,910.91	7,700.88	7,549.43	151.45	50.848	
4,100.00	3,782.97	3,800.03	3,799.97	26.42	130.95	125.35	531.03	-6,910.91	7,729.11	7,573.90	155.21	49.798	
4,200.00	3,872.05	3,889.05	3,889.05	27.18	134.06	125.61	531.03	-6,910.91	7,757.50	7,598.53	158.97	48.800	
4,300.00	3,961.12	3,978.12	3,978.12	27.94	137.17	125.86	531.03	-6,910.91	7,786.05	7,623.33	162.72	47.848	
4,400.00	4,050.20	4,067.20	4,067.20	28.69	140.28	126.11	531.03	-6,910.91	7,814.77	7,648.29	166.48	46.941	
4,500.00	4,139.28	4,156.28	4,156.28	29.45	143.39	126.36	531.03	-6,910.91	7,843.64	7,673.41	170.23	46.076	
4,600.00	4,228.35	4,245.35	4,245.35	30.21	146.50	126.61	531.03	-6,910.91	7,872.67	7,698.68	173.99	45.248	
4,700.00	4,317.43	4,334.43	4,334.43	30.97	149.61	126.85	531.03	-6,910.91	7,901.85	7,724.11	177.74	44.457	
4,800.00	4,406.51	4,423.51	4,423.51	31.73	152.71	127.10	531.03	-6,910.91	7,931.19	7,749.70	181.49	43.700	
4,900.00	4,495.59	4,512.59	4,512.59	32.50	155.82	127.34	531.03	-6,910.91	7,960.68	7,775.44	185.24	42.975	
5,000.00	4,584.66	4,601.66	4,601.66	33.26	158.93	127.58	531.03	-6,910.91	7,990.32	7,801.33	188.99	42.279	

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

Offset Design Falken 9-11 PAD - Montera #10-33(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,709.26	4,690.74	34.02	162.69	127.82	531.03	-6,910.91	8,020.10	7,826.72	193.38	41.472	
5,200.00	4,762.82	4,779.82	4,779.82	34.78	165.15	128.06	531.03	-6,910.91	8,050.03	7,853.55	196.48	40.971	
5,300.00	4,851.89	4,868.89	4,868.89	35.54	168.26	128.30	531.03	-6,910.91	8,080.11	7,879.88	200.23	40.355	
5,400.00	4,940.97	4,957.97	4,957.97	36.31	171.37	128.53	531.03	-6,910.91	8,110.33	7,906.36	203.97	39.762	
5,500.00	5,030.05	5,047.05	5,047.05	37.07	174.48	128.77	531.03	-6,910.91	8,140.69	7,932.98	207.71	39.192	
5,600.00	5,119.12	5,136.12	5,136.12	37.83	177.59	129.00	531.03	-6,910.91	8,171.19	7,959.74	211.45	38.643	
5,700.00	5,208.20	5,225.20	5,225.20	38.60	180.70	129.23	531.03	-6,910.91	8,201.83	7,986.64	215.19	38.114	
5,800.00	5,297.28	5,314.28	5,314.28	39.36	183.81	129.46	531.03	-6,910.91	8,232.61	8,013.68	218.93	37.604	
5,900.00	5,386.35	5,403.35	5,403.35	40.13	186.91	129.69	531.03	-6,910.91	8,263.52	8,040.85	222.67	37.112	
6,000.00	5,475.43	5,507.57	5,492.43	40.89	190.55	129.92	531.03	-6,910.91	8,294.57	8,067.64	226.93	36.551	
6,100.00	5,564.51	5,581.51	5,581.51	41.66	193.13	130.14	531.03	-6,910.91	8,325.74	8,095.61	230.13	36.178	
6,200.00	5,653.58	5,670.58	5,670.58	42.42	196.24	130.36	531.03	-6,910.91	8,357.05	8,123.18	233.87	35.734	
6,300.00	5,742.66	5,759.66	5,759.66	43.19	199.35	130.59	531.03	-6,910.91	8,388.49	8,150.89	237.60	35.305	
6,400.00	5,831.74	5,848.74	5,848.74	43.95	202.46	130.81	531.03	-6,910.91	8,420.06	8,178.73	241.33	34.890	
6,500.00	5,920.82	5,937.82	5,937.82	44.72	205.57	131.03	531.03	-6,910.91	8,451.75	8,206.69	245.06	34.489	
6,600.00	6,009.89	6,026.89	6,026.89	45.48	208.68	131.24	531.03	-6,910.91	8,483.57	8,234.78	248.78	34.100	
6,700.00	6,098.97	6,115.97	6,115.97	46.25	211.79	131.46	531.03	-6,910.91	8,515.51	8,263.00	252.51	33.724	
6,800.00	6,188.05	6,205.05	6,205.05	47.01	214.90	131.67	531.03	-6,910.91	8,547.57	8,291.34	256.23	33.358	
6,900.00	6,277.12	6,305.88	6,294.12	47.78	218.42	131.89	531.03	-6,910.91	8,579.75	8,319.39	260.37	32.952	
7,000.00	6,366.20	6,383.20	6,383.20	48.55	221.12	132.10	531.03	-6,910.91	8,612.06	8,348.38	263.68	32.661	
7,100.00	6,455.28	6,472.28	6,472.28	49.31	224.23	132.31	531.03	-6,910.91	8,644.48	8,377.08	267.40	32.328	
7,197.64	6,542.25	6,559.25	6,559.25	50.06	227.26	132.51	531.03	-6,910.91	8,676.25	8,405.22	271.03	32.012	
7,200.00	6,544.35	6,561.35	6,561.35	50.08	227.34	132.11	531.03	-6,910.91	8,677.01	8,405.90	271.12	32.004	
7,250.00	6,589.22	6,606.22	6,606.22	50.44	228.90	123.07	531.03	-6,910.91	8,691.40	8,418.42	272.98	31.839	
7,300.00	6,634.48	6,651.48	6,651.48	50.77	230.48	113.39	531.03	-6,910.91	8,702.24	8,427.39	274.85	31.662	
7,350.00	6,679.86	6,703.14	6,696.86	51.06	232.28	103.58	531.03	-6,910.91	8,709.47	8,432.56	276.92	31.452	
7,400.00	6,725.09	6,742.09	6,742.09	51.31	233.64	94.22	531.03	-6,910.91	8,713.07	8,434.56	278.51	31.285	
7,450.00	6,769.87	6,786.87	6,786.87	51.52	235.21	85.79	531.03	-6,910.91	8,713.01	8,432.73	280.28	31.087	
7,500.00	6,813.94	6,830.94	6,830.94	51.69	236.75	78.58	531.03	-6,910.91	8,709.31	8,427.33	281.98	30.886	
7,550.00	6,857.03	6,874.03	6,874.03	51.84	238.25	72.61	531.03	-6,910.91	8,702.00	8,418.39	283.61	30.683	
7,600.00	6,898.86	6,915.86	6,915.86	51.95	239.71	67.83	531.03	-6,910.91	8,691.12	8,405.97	285.15	30.479	
7,650.00	6,939.19	6,956.19	6,956.19	52.05	241.12	64.09	531.03	-6,910.91	8,676.77	8,390.15	286.61	30.274	
7,700.00	6,977.75	7,005.25	6,994.75	52.13	242.83	61.27	531.03	-6,910.91	8,659.02	8,370.67	288.34	30.030	
7,750.00	7,014.32	7,031.32	7,031.32	52.20	243.74	59.24	531.03	-6,910.91	8,637.99	8,348.75	289.24	29.864	
7,800.00	7,048.67	7,065.67	7,065.67	52.26	244.94	57.93	531.03	-6,910.91	8,613.82	8,323.41	290.41	29.661	
7,850.00	7,080.59	7,102.41	7,097.59	52.33	246.22	57.27	531.03	-6,910.91	8,586.65	8,295.02	291.64	29.443	
7,900.00	7,109.87	7,126.87	7,126.87	52.39	247.08	57.23	531.03	-6,910.91	8,556.66	8,264.24	292.42	29.261	
7,950.00	7,136.35	7,153.35	7,153.35	52.47	248.00	57.82	531.03	-6,910.91	8,524.03	8,230.76	293.27	29.065	
8,000.00	7,159.85	7,176.85	7,176.85	52.55	248.82	59.07	531.03	-6,910.91	8,488.96	8,194.94	294.02	28.872	
8,050.00	7,180.23	7,202.77	7,197.23	52.64	249.73	61.03	531.03	-6,910.91	8,451.65	8,156.81	294.84	28.665	
8,100.00	7,197.37	7,214.37	7,214.37	52.75	250.13	63.82	531.03	-6,910.91	8,412.34	8,117.16	295.18	28.499	
8,150.00	7,211.16	7,228.16	7,228.16	52.88	250.61	67.55	531.03	-6,910.91	8,371.27	8,075.66	295.60	28.319	
8,200.00	7,221.51	7,238.51	7,238.51	53.03	250.97	72.41	531.03	-6,910.91	8,328.67	8,032.75	295.92	28.145	
8,250.00	7,228.37	7,245.37	7,245.37	53.20	251.21	78.58	531.03	-6,910.91	8,284.80	7,988.67	296.13	27.977	
8,300.00	7,231.68	7,248.68	7,248.68	53.40	251.33	86.23	531.03	-6,910.91	8,239.92	7,943.69	296.23	27.816	
8,317.45	7,232.00	7,249.00	7,249.00	53.47	251.34	89.27	531.03	-6,910.91	8,224.07	7,927.82	296.24	27.761	
8,400.00	7,232.48	7,249.48	7,249.48	53.86	251.36	89.27	531.03	-6,910.91	8,148.96	7,852.69	296.28	27.505	
8,500.00	7,233.06	7,250.06	7,250.06	54.44	251.38	89.28	531.03	-6,910.91	8,058.18	7,761.82	296.35	27.191	
8,600.00	7,233.64	7,250.64	7,250.64	55.14	251.40	89.29	531.03	-6,910.91	7,967.61	7,671.14	296.47	26.875	
8,700.00	7,234.22	7,251.22	7,251.22	55.99	251.42	89.30	531.03	-6,910.91	7,877.27	7,580.64	296.63	26.556	
8,800.00	7,234.80	7,251.80	7,251.80	57.00	251.44	89.31	531.03	-6,910.91	7,787.17	7,490.33	296.84	26.234	
8,900.00	7,235.39	7,252.39	7,252.39	58.18	251.46	89.32	531.03	-6,910.91	7,697.31	7,400.21	297.10	25.908	

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

Offset Design Falken 9-11 PAD - Montera #10-33(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,252.97	7,252.97	59.53	251.48	89.33	531.03	-6,910.91	7,607.71	7,310.30	297.41	25.580	
9,100.00	7,236.55	7,253.55	7,253.55	61.04	251.50	89.34	531.03	-6,910.91	7,518.36	7,220.59	297.77	25.249	
9,200.00	7,237.13	7,254.13	7,254.13	62.69	251.52	89.35	531.03	-6,910.91	7,429.29	7,131.10	298.19	24.915	
9,300.00	7,237.71	7,254.71	7,254.71	64.47	251.54	89.36	531.03	-6,910.91	7,340.50	7,041.84	298.67	24.578	
9,400.00	7,238.29	7,255.29	7,255.29	66.36	251.56	89.37	531.03	-6,910.91	7,252.00	6,952.80	299.21	24.237	
9,500.00	7,238.87	7,255.87	7,255.87	68.34	251.58	89.38	531.03	-6,910.91	7,163.81	6,864.00	299.81	23.894	
9,600.00	7,239.45	7,256.45	7,256.45	70.41	251.60	89.39	531.03	-6,910.91	7,075.93	6,775.45	300.48	23.549	
9,700.00	7,240.03	7,257.03	7,257.03	72.55	251.62	89.40	531.03	-6,910.91	6,988.37	6,687.15	301.22	23.200	
9,800.00	7,240.61	7,257.61	7,257.61	74.76	251.64	89.41	531.03	-6,910.91	6,901.15	6,599.13	302.03	22.849	
9,900.00	7,241.20	7,258.20	7,258.20	77.02	251.66	89.42	531.03	-6,910.91	6,814.29	6,511.38	302.91	22.496	
10,000.00	7,241.78	7,258.78	7,258.78	79.33	251.68	89.43	531.03	-6,910.91	6,727.79	6,423.92	303.86	22.141	
10,100.00	7,242.36	7,259.36	7,259.36	81.68	251.70	89.44	531.03	-6,910.91	6,641.66	6,336.77	304.89	21.784	
10,200.00	7,242.94	7,259.94	7,259.94	84.07	251.72	89.45	531.03	-6,910.91	6,555.94	6,249.94	306.00	21.425	
10,300.00	7,243.52	7,260.52	7,260.52	86.49	251.74	89.46	531.03	-6,910.91	6,470.62	6,163.43	307.18	21.064	
10,400.00	7,244.10	7,261.10	7,261.10	88.95	251.76	89.47	531.03	-6,910.91	6,385.72	6,077.28	308.45	20.703	
10,500.00	7,244.68	7,261.68	7,261.68	91.43	251.78	89.48	531.03	-6,910.91	6,301.27	5,991.48	309.80	20.340	
10,600.00	7,245.26	7,262.26	7,262.26	93.93	251.80	89.49	531.03	-6,910.91	6,217.29	5,906.06	311.22	19.977	
10,700.00	7,245.84	7,262.84	7,262.84	96.46	251.82	89.50	531.03	-6,910.91	6,133.78	5,821.04	312.74	19.613	
10,800.00	7,246.42	7,263.42	7,263.42	99.01	251.84	89.51	531.03	-6,910.91	6,050.77	5,736.43	314.34	19.249	
10,900.00	7,247.01	7,264.01	7,264.01	101.58	251.86	89.52	531.03	-6,910.91	5,968.28	5,652.26	316.02	18.886	
11,000.00	7,247.59	7,264.59	7,264.59	104.16	251.88	89.53	531.03	-6,910.91	5,886.34	5,568.55	317.79	18.523	
11,100.00	7,248.17	7,265.17	7,265.17	106.76	251.90	89.54	531.03	-6,910.91	5,804.96	5,485.31	319.65	18.160	
11,200.00	7,248.75	7,265.75	7,265.75	109.37	251.92	89.55	531.03	-6,910.91	5,724.17	5,402.57	321.60	17.799	
11,300.00	7,249.33	7,266.33	7,266.33	112.00	251.94	89.56	531.03	-6,910.91	5,644.00	5,320.36	323.64	17.439	
11,400.00	7,249.91	7,266.91	7,266.91	114.64	251.96	89.57	531.03	-6,910.91	5,564.47	5,238.69	325.78	17.081	
11,500.00	7,250.49	7,267.49	7,267.49	117.29	251.98	89.58	531.03	-6,910.91	5,485.61	5,157.61	328.00	16.724	
11,600.00	7,251.07	7,268.07	7,268.07	119.95	252.00	89.59	531.03	-6,910.91	5,407.45	5,077.13	330.32	16.370	
11,700.00	7,251.65	7,268.65	7,268.65	122.62	252.03	89.60	531.03	-6,910.91	5,330.01	4,997.28	332.73	16.019	
11,800.00	7,252.23	7,269.23	7,269.23	125.30	252.05	89.61	531.03	-6,910.91	5,253.34	4,918.10	335.24	15.670	
11,900.00	7,252.82	7,269.82	7,269.82	127.98	252.07	89.62	531.03	-6,910.91	5,177.47	4,839.63	337.84	15.325	
12,000.00	7,253.40	7,270.40	7,270.40	130.68	252.09	89.63	531.03	-6,910.91	5,102.43	4,761.88	340.54	14.983	
12,100.00	7,253.98	7,270.98	7,270.98	133.38	252.11	89.64	531.03	-6,910.91	5,028.26	4,684.91	343.34	14.645	
12,200.00	7,254.56	7,271.56	7,271.56	136.09	252.13	89.65	531.03	-6,910.91	4,954.99	4,608.75	346.24	14.311	
12,300.00	7,255.14	7,272.14	7,272.14	138.81	252.15	89.66	531.03	-6,910.91	4,882.67	4,533.44	349.24	13.981	
12,400.00	7,255.72	7,272.72	7,272.72	141.53	252.17	89.67	531.03	-6,910.91	4,811.35	4,459.02	352.33	13.656	
12,500.00	7,256.30	7,273.30	7,273.30	144.26	252.19	89.68	531.03	-6,910.91	4,741.06	4,385.54	355.52	13.335	
12,600.00	7,256.88	7,273.88	7,273.88	146.99	252.21	89.69	531.03	-6,910.91	4,671.85	4,313.04	358.82	13.020	
12,700.00	7,257.46	7,274.46	7,274.46	149.73	252.23	89.70	531.03	-6,910.91	4,603.78	4,241.57	362.21	12.710	
12,800.00	7,258.04	7,275.04	7,275.04	152.47	252.25	89.71	531.03	-6,910.91	4,536.89	4,171.19	365.70	12.406	
12,900.00	7,258.63	7,275.63	7,275.63	155.22	252.27	89.72	531.03	-6,910.91	4,471.23	4,101.95	369.28	12.108	
13,000.00	7,259.21	7,276.21	7,276.21	157.97	252.29	89.72	531.03	-6,910.91	4,406.87	4,033.91	372.96	11.816	
13,100.00	7,259.79	7,276.79	7,276.79	160.72	252.31	89.73	531.03	-6,910.91	4,343.85	3,967.12	376.74	11.530	
13,200.00	7,260.37	7,277.37	7,277.37	163.48	252.33	89.74	531.03	-6,910.91	4,282.25	3,901.64	380.60	11.251	
13,300.00	7,260.95	7,277.95	7,277.95	166.24	252.35	89.75	531.03	-6,910.91	4,222.11	3,837.55	384.56	10.979	
13,400.00	7,261.53	7,278.53	7,278.53	169.01	252.37	89.76	531.03	-6,910.91	4,163.50	3,774.91	388.59	10.714	
13,480.77	7,262.00	7,279.00	7,279.00	171.24	252.39	89.77	531.03	-6,910.91	4,117.33	3,725.42	391.92	10.506	CC, ES, SF

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

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

Offset Design Falken 9-11 PAD - Montera #10-34(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	4.00	4.00	3.28	3.28	-99.10	-1,164.71	-7,268.48	7,361.21				
100.00	100.00	104.00	104.00	3.28	3.78	-99.10	-1,164.71	-7,268.48	7,361.21	7,354.14	7.07	1,041.508	
200.00	200.00	204.00	204.00	3.34	6.30	-99.10	-1,164.71	-7,268.48	7,361.21	7,351.57	9.63	764.026	
300.00	300.00	304.00	304.00	3.44	9.45	-99.10	-1,164.71	-7,268.48	7,361.21	7,348.31	12.90	570.669	
400.00	399.98	403.98	403.98	3.60	12.79	105.78	-1,164.71	-7,268.48	7,361.68	7,345.30	16.38	449.406	
500.00	499.84	503.84	503.84	3.79	16.18	105.79	-1,164.71	-7,268.48	7,363.11	7,343.14	19.96	368.811	
600.00	599.45	603.45	603.45	4.02	19.60	105.81	-1,164.71	-7,268.48	7,365.49	7,341.87	23.61	311.910	
700.00	698.70	702.70	702.70	4.29	23.02	105.84	-1,164.71	-7,268.48	7,368.83	7,341.53	27.31	269.844	
800.00	797.47	801.47	801.47	4.59	26.44	105.87	-1,164.71	-7,268.48	7,373.16	7,342.13	31.03	237.605	
900.00	895.62	900.38	899.62	4.93	29.87	105.91	-1,164.71	-7,268.48	7,378.47	7,343.67	34.80	212.021	
1,000.00	993.06	1,002.94	997.06	5.31	33.43	105.95	-1,164.71	-7,268.48	7,384.80	7,346.06	38.73	190.650	
1,100.00	1,089.64	1,106.36	1,093.64	5.72	37.02	105.99	-1,164.71	-7,268.48	7,392.15	7,349.41	42.73	172.977	
1,200.00	1,185.27	1,189.27	1,189.27	6.16	39.91	106.04	-1,164.71	-7,268.48	7,400.56	7,354.50	46.06	160.681	
1,300.00	1,279.82	1,283.82	1,283.82	6.64	43.20	106.09	-1,164.71	-7,268.48	7,410.04	7,360.22	49.82	148.737	
1,400.00	1,373.17	1,377.17	1,377.17	7.15	46.45	106.13	-1,164.71	-7,268.48	7,420.64	7,367.06	53.58	138.504	
1,500.00	1,465.21	1,469.21	1,469.21	7.70	49.65	106.17	-1,164.71	-7,268.48	7,432.37	7,375.04	57.33	129.652	
1,600.00	1,555.84	1,559.84	1,559.84	8.30	52.81	106.21	-1,164.71	-7,268.48	7,445.26	7,384.20	61.06	121.928	
1,651.50	1,601.92	1,605.92	1,605.92	8.62	54.42	106.23	-1,164.71	-7,268.48	7,452.37	7,389.39	62.98	118.328	
1,700.00	1,645.13	1,649.13	1,649.13	8.93	55.92	106.37	-1,164.71	-7,268.48	7,459.24	7,394.46	64.79	115.135	
1,800.00	1,734.20	1,738.20	1,738.20	9.58	59.03	106.67	-1,164.71	-7,268.48	7,473.60	7,405.08	68.53	109.061	
1,900.00	1,823.28	1,827.28	1,827.28	10.25	62.13	106.97	-1,164.71	-7,268.48	7,488.21	7,415.93	72.28	103.598	
2,000.00	1,912.36	1,916.36	1,916.36	10.94	65.24	107.27	-1,164.71	-7,268.48	7,503.06	7,427.02	76.05	98.662	
2,100.00	2,001.43	2,005.43	2,005.43	11.63	68.34	107.57	-1,164.71	-7,268.48	7,518.16	7,438.34	79.82	94.184	
2,200.00	2,090.51	2,105.49	2,094.51	12.34	71.83	107.87	-1,164.71	-7,268.48	7,533.51	7,449.52	83.99	89.694	
2,300.00	2,179.59	2,183.59	2,183.59	13.05	74.56	108.16	-1,164.71	-7,268.48	7,549.09	7,461.69	87.40	86.376	
2,400.00	2,268.66	2,272.66	2,272.66	13.76	77.66	108.46	-1,164.71	-7,268.48	7,564.92	7,473.73	91.19	82.955	
2,500.00	2,357.74	2,361.74	2,361.74	14.49	80.77	108.75	-1,164.71	-7,268.48	7,580.98	7,485.99	94.99	79.807	
2,600.00	2,446.82	2,450.82	2,450.82	15.21	83.88	109.05	-1,164.71	-7,268.48	7,597.29	7,498.49	98.79	76.900	
2,700.00	2,535.89	2,539.89	2,539.89	15.95	86.98	109.34	-1,164.71	-7,268.48	7,613.83	7,511.23	102.60	74.210	
2,800.00	2,624.97	2,628.97	2,628.97	16.68	90.09	109.63	-1,164.71	-7,268.48	7,630.60	7,524.20	106.40	71.713	
2,900.00	2,714.05	2,718.05	2,718.05	17.42	93.20	109.92	-1,164.71	-7,268.48	7,647.61	7,537.40	110.21	69.389	
3,000.00	2,803.12	2,807.12	2,807.12	18.16	96.31	110.21	-1,164.71	-7,268.48	7,664.85	7,550.83	114.02	67.222	
3,100.00	2,892.20	2,903.80	2,896.20	18.90	99.68	110.50	-1,164.71	-7,268.48	7,682.32	7,564.22	118.10	65.051	
3,200.00	2,981.28	2,985.28	2,985.28	19.65	102.52	110.78	-1,164.71	-7,268.48	7,700.02	7,578.38	121.64	63.300	
3,300.00	3,070.36	3,074.36	3,074.36	20.40	105.63	111.07	-1,164.71	-7,268.48	7,717.95	7,592.49	125.45	61.520	
3,400.00	3,159.43	3,163.43	3,163.43	21.14	108.74	111.35	-1,164.71	-7,268.48	7,736.10	7,606.83	129.26	59.847	
3,500.00	3,248.51	3,252.51	3,252.51	21.89	111.85	111.64	-1,164.71	-7,268.48	7,754.47	7,621.40	133.08	58.271	
3,600.00	3,337.59	3,341.59	3,341.59	22.65	114.96	111.92	-1,164.71	-7,268.48	7,773.07	7,636.18	136.89	56.785	
3,700.00	3,426.66	3,430.66	3,430.66	23.40	118.06	112.20	-1,164.71	-7,268.48	7,791.89	7,651.19	140.70	55.381	
3,800.00	3,515.74	3,519.74	3,519.74	24.15	121.17	112.48	-1,164.71	-7,268.48	7,810.92	7,666.42	144.50	54.053	
3,900.00	3,604.82	3,608.82	3,608.82	24.91	124.28	112.76	-1,164.71	-7,268.48	7,830.18	7,681.87	148.31	52.795	
4,000.00	3,693.89	3,702.11	3,697.89	25.66	127.54	113.04	-1,164.71	-7,268.48	7,849.65	7,697.38	152.27	51.552	
4,100.00	3,782.97	3,786.97	3,786.97	26.42	130.50	113.31	-1,164.71	-7,268.48	7,869.33	7,713.41	155.93	50.468	
4,200.00	3,872.05	3,876.05	3,876.05	27.18	133.61	113.59	-1,164.71	-7,268.48	7,889.23	7,729.50	159.73	49.390	
4,300.00	3,961.12	3,965.12	3,965.12	27.94	136.72	113.86	-1,164.71	-7,268.48	7,909.34	7,745.80	163.54	48.364	
4,400.00	4,050.20	4,054.20	4,054.20	28.69	139.83	114.14	-1,164.71	-7,268.48	7,929.66	7,762.32	167.34	47.386	
4,500.00	4,139.28	4,143.28	4,143.28	29.45	142.93	114.41	-1,164.71	-7,268.48	7,950.18	7,779.04	171.14	46.453	
4,600.00	4,228.35	4,232.35	4,232.35	30.21	146.04	114.68	-1,164.71	-7,268.48	7,970.92	7,795.97	174.95	45.562	
4,700.00	4,317.43	4,321.43	4,321.43	30.97	149.15	114.95	-1,164.71	-7,268.48	7,991.85	7,813.11	178.75	44.711	
4,800.00	4,406.51	4,410.51	4,410.51	31.73	152.26	115.22	-1,164.71	-7,268.48	8,012.99	7,830.45	182.54	43.896	
4,900.00	4,495.59	4,500.41	4,499.59	32.50	155.40	115.48	-1,164.71	-7,268.48	8,034.33	7,847.96	186.37	43.109	
5,000.00	4,584.66	4,588.66	4,588.66	33.26	158.48	115.75	-1,164.71	-7,268.48	8,055.87	7,865.74	190.14	42.369	

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

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

Offset Design Falken 9-11 PAD - Montera #10-34(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,677.74	4,677.74	34.02	161.59	116.02	-1,164.71	-7,268.48	8,077.61	7,883.68	193.93	41.652	
5,200.00	4,762.82	4,766.82	4,766.82	34.78	164.70	116.28	-1,164.71	-7,268.48	8,099.55	7,901.82	197.73	40.964	
5,300.00	4,851.89	4,855.89	4,855.89	35.54	167.81	116.54	-1,164.71	-7,268.48	8,121.68	7,920.16	201.52	40.303	
5,400.00	4,940.97	4,944.97	4,944.97	36.31	170.92	116.80	-1,164.71	-7,268.48	8,144.00	7,938.70	205.31	39.667	
5,500.00	5,030.05	5,034.05	5,034.05	37.07	174.02	117.06	-1,164.71	-7,268.48	8,166.52	7,957.42	209.10	39.056	
5,600.00	5,119.12	5,123.12	5,123.12	37.83	177.13	117.32	-1,164.71	-7,268.48	8,189.23	7,976.34	212.88	38.468	
5,700.00	5,208.20	5,212.20	5,212.20	38.60	180.24	117.58	-1,164.71	-7,268.48	8,212.12	7,995.45	216.67	37.902	
5,800.00	5,297.28	5,301.28	5,301.28	39.36	183.35	117.84	-1,164.71	-7,268.48	8,235.20	8,014.75	220.45	37.356	
5,900.00	5,386.35	5,409.65	5,390.35	40.13	187.13	118.09	-1,164.71	-7,268.48	8,258.47	8,033.56	224.91	36.719	
6,000.00	5,475.43	5,479.43	5,479.43	40.89	189.57	118.35	-1,164.71	-7,268.48	8,281.92	8,053.91	228.02	36.322	
6,100.00	5,564.51	5,568.51	5,568.51	41.66	192.68	118.60	-1,164.71	-7,268.48	8,305.56	8,073.76	231.80	35.831	
6,200.00	5,653.58	5,657.58	5,657.58	42.42	195.79	118.85	-1,164.71	-7,268.48	8,329.37	8,093.80	235.57	35.358	
6,300.00	5,742.66	5,746.66	5,746.66	43.19	198.90	119.10	-1,164.71	-7,268.48	8,353.37	8,114.02	239.35	34.900	
6,400.00	5,831.74	5,835.74	5,835.74	43.95	202.01	119.35	-1,164.71	-7,268.48	8,377.54	8,134.42	243.13	34.458	
6,500.00	5,920.82	5,924.82	5,924.82	44.72	205.12	119.60	-1,164.71	-7,268.48	8,401.89	8,154.99	246.90	34.030	
6,600.00	6,009.89	6,013.89	6,013.89	45.48	208.23	119.85	-1,164.71	-7,268.48	8,426.41	8,175.74	250.67	33.615	
6,700.00	6,098.97	6,102.97	6,102.97	46.25	211.34	120.09	-1,164.71	-7,268.48	8,451.11	8,196.67	254.44	33.214	
6,800.00	6,188.05	6,207.95	6,192.05	47.01	215.00	120.34	-1,164.71	-7,268.48	8,475.98	8,217.21	258.76	32.756	
6,900.00	6,277.12	6,281.12	6,281.12	47.78	217.55	120.58	-1,164.71	-7,268.48	8,501.02	8,239.04	261.98	32.450	
7,000.00	6,366.20	6,370.20	6,370.20	48.55	220.66	120.82	-1,164.71	-7,268.48	8,526.22	8,260.48	265.74	32.085	
7,100.00	6,455.28	6,459.28	6,459.28	49.31	223.77	121.06	-1,164.71	-7,268.48	8,551.60	8,282.09	269.51	31.731	
7,197.64	6,542.25	6,546.25	6,546.25	50.06	226.81	121.30	-1,164.71	-7,268.48	8,576.53	8,303.35	273.18	31.395	
7,200.00	6,544.35	6,548.35	6,548.35	50.08	226.88	120.91	-1,164.71	-7,268.48	8,577.13	8,303.87	273.27	31.387	
7,250.00	6,589.22	6,606.78	6,593.22	50.44	228.92	112.19	-1,164.71	-7,268.48	8,587.90	8,312.28	275.62	31.158	
7,300.00	6,634.48	6,638.48	6,638.48	50.77	230.03	102.76	-1,164.71	-7,268.48	8,594.89	8,317.86	277.03	31.025	
7,350.00	6,679.86	6,683.86	6,683.86	51.06	231.61	93.12	-1,164.71	-7,268.48	8,598.07	8,319.18	278.88	30.830	
7,400.00	6,725.09	6,729.09	6,729.09	51.31	233.19	83.88	-1,164.71	-7,268.48	8,597.42	8,316.72	280.70	30.628	
7,450.00	6,769.87	6,773.87	6,773.87	51.52	234.75	75.52	-1,164.71	-7,268.48	8,592.95	8,310.48	282.47	30.421	
7,500.00	6,813.94	6,817.94	6,817.94	51.69	236.29	68.30	-1,164.71	-7,268.48	8,584.69	8,300.52	284.17	30.210	
7,550.00	6,857.03	6,861.03	6,861.03	51.84	237.80	62.29	-1,164.71	-7,268.48	8,572.69	8,286.90	285.79	29.996	
7,600.00	6,898.86	6,902.86	6,902.86	51.95	239.26	57.41	-1,164.71	-7,268.48	8,557.04	8,269.70	287.34	29.780	
7,650.00	6,939.19	6,943.19	6,943.19	52.05	240.66	53.52	-1,164.71	-7,268.48	8,537.82	8,249.02	288.80	29.563	
7,700.00	6,977.75	6,981.75	6,981.75	52.13	242.01	50.49	-1,164.71	-7,268.48	8,515.15	8,224.98	290.17	29.346	
7,750.00	7,014.32	7,018.32	7,018.32	52.20	243.29	48.20	-1,164.71	-7,268.48	8,489.18	8,197.74	291.44	29.129	
7,800.00	7,048.67	7,052.67	7,052.67	52.26	244.49	46.57	-1,164.71	-7,268.48	8,460.05	8,167.45	292.61	28.913	
7,850.00	7,080.59	7,084.59	7,084.59	52.33	245.60	45.54	-1,164.71	-7,268.48	8,427.95	8,134.28	293.67	28.698	
7,900.00	7,109.87	7,113.87	7,113.87	52.39	246.62	45.09	-1,164.71	-7,268.48	8,393.08	8,098.44	294.64	28.486	
7,950.00	7,136.35	7,140.35	7,140.35	52.47	247.55	45.22	-1,164.71	-7,268.48	8,355.63	8,060.14	295.49	28.277	
8,000.00	7,159.85	7,163.85	7,163.85	52.55	248.37	46.01	-1,164.71	-7,268.48	8,315.84	8,019.60	296.24	28.072	
8,050.00	7,180.23	7,184.23	7,184.23	52.64	249.08	47.55	-1,164.71	-7,268.48	8,273.94	7,977.07	296.87	27.870	
8,100.00	7,197.37	7,201.37	7,201.37	52.75	249.68	50.08	-1,164.71	-7,268.48	8,230.19	7,932.80	297.40	27.674	
8,150.00	7,211.16	7,215.16	7,215.16	52.88	250.16	53.96	-1,164.71	-7,268.48	8,184.86	7,887.04	297.81	27.483	
8,200.00	7,221.51	7,225.51	7,225.51	53.03	250.52	59.83	-1,164.71	-7,268.48	8,138.20	7,840.08	298.11	27.299	
8,250.00	7,228.37	7,232.37	7,232.37	53.20	250.76	68.76	-1,164.71	-7,268.48	8,090.50	7,792.20	298.30	27.122	
8,300.00	7,231.68	7,235.68	7,235.68	53.40	250.87	82.34	-1,164.71	-7,268.48	8,042.06	7,743.68	298.38	26.952	
8,317.45	7,232.00	7,236.00	7,236.00	53.47	250.89	88.46	-1,164.71	-7,268.48	8,025.03	7,726.64	298.38	26.895	
8,400.00	7,232.48	7,236.48	7,236.48	53.86	250.90	88.48	-1,164.71	-7,268.48	7,944.38	7,646.02	298.36	26.627	
8,500.00	7,233.06	7,237.06	7,237.06	54.44	250.92	88.50	-1,164.71	-7,268.48	7,846.72	7,548.39	298.34	26.302	
8,600.00	7,233.64	7,237.64	7,237.64	55.14	250.94	88.52	-1,164.71	-7,268.48	7,749.13	7,450.81	298.32	25.976	
8,700.00	7,234.22	7,238.22	7,238.22	55.99	250.96	88.54	-1,164.71	-7,268.48	7,651.60	7,353.28	298.32	25.649	
8,800.00	7,234.80	7,238.80	7,238.80	57.00	250.98	88.56	-1,164.71	-7,268.48	7,554.14	7,255.81	298.33	25.322	
8,900.00	7,235.39	7,239.39	7,239.39	58.18	251.00	88.58	-1,164.71	-7,268.48	7,456.74	7,158.39	298.35	24.993	

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

Offset Design Falken 9-11 PAD - Montera #10-34(PR) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,239.97	7,239.97	59.53	251.02	88.60	-1,164.71	-7,268.48	7,359.41	7,061.03	298.38	24.664	
9,100.00	7,236.55	7,240.55	7,240.55	61.04	251.04	88.62	-1,164.71	-7,268.48	7,262.16	6,963.73	298.43	24.335	
9,200.00	7,237.13	7,241.13	7,241.13	62.69	251.06	88.64	-1,164.71	-7,268.48	7,164.97	6,866.48	298.49	24.004	
9,300.00	7,237.71	7,241.71	7,241.71	64.47	251.08	88.66	-1,164.71	-7,268.48	7,067.87	6,769.30	298.57	23.672	
9,400.00	7,238.29	7,242.29	7,242.29	66.36	251.10	88.68	-1,164.71	-7,268.48	6,970.85	6,672.19	298.67	23.340	
9,500.00	7,238.87	7,242.87	7,242.87	68.34	251.13	88.70	-1,164.71	-7,268.48	6,873.92	6,575.14	298.78	23.007	
9,600.00	7,239.45	7,243.45	7,243.45	70.41	251.15	88.72	-1,164.71	-7,268.48	6,777.07	6,478.16	298.91	22.672	
9,700.00	7,240.03	7,244.03	7,244.03	72.55	251.17	88.74	-1,164.71	-7,268.48	6,680.32	6,381.25	299.07	22.337	
9,800.00	7,240.61	7,244.61	7,244.61	74.76	251.19	88.76	-1,164.71	-7,268.48	6,583.67	6,284.42	299.25	22.001	
9,900.00	7,241.20	7,245.20	7,245.20	77.02	251.21	88.77	-1,164.71	-7,268.48	6,487.11	6,187.66	299.45	21.663	
10,000.00	7,241.78	7,245.78	7,245.78	79.33	251.23	88.79	-1,164.71	-7,268.48	6,390.66	6,090.98	299.68	21.325	
10,100.00	7,242.36	7,246.36	7,246.36	81.68	251.25	88.81	-1,164.71	-7,268.48	6,294.33	5,994.39	299.94	20.985	
10,200.00	7,242.94	7,246.94	7,246.94	84.07	251.27	88.83	-1,164.71	-7,268.48	6,198.11	5,897.88	300.22	20.645	
10,300.00	7,243.52	7,247.52	7,247.52	86.49	251.29	88.85	-1,164.71	-7,268.48	6,102.01	5,801.46	300.54	20.303	
10,400.00	7,244.10	7,248.10	7,248.10	88.95	251.31	88.87	-1,164.71	-7,268.48	6,006.03	5,705.14	300.90	19.960	
10,500.00	7,244.68	7,248.68	7,248.68	91.43	251.33	88.89	-1,164.71	-7,268.48	5,910.19	5,608.91	301.29	19.617	
10,600.00	7,245.26	7,249.26	7,249.26	93.93	251.35	88.91	-1,164.71	-7,268.48	5,814.49	5,512.78	301.72	19.271	
10,700.00	7,245.84	7,249.84	7,249.84	96.46	251.37	88.93	-1,164.71	-7,268.48	5,718.94	5,416.76	302.18	18.925	
10,800.00	7,246.42	7,250.42	7,250.42	99.01	251.39	88.95	-1,164.71	-7,268.48	5,623.55	5,320.85	302.70	18.578	
10,900.00	7,247.01	7,251.01	7,251.01	101.58	251.41	88.97	-1,164.71	-7,268.48	5,528.31	5,225.05	303.26	18.230	
11,000.00	7,247.59	7,251.59	7,251.59	104.16	251.43	88.99	-1,164.71	-7,268.48	5,433.25	5,129.38	303.87	17.880	
11,100.00	7,248.17	7,252.17	7,252.17	106.76	251.45	89.01	-1,164.71	-7,268.48	5,338.36	5,033.84	304.53	17.530	
11,200.00	7,248.75	7,252.75	7,252.75	109.37	251.47	89.03	-1,164.71	-7,268.48	5,243.67	4,938.42	305.25	17.178	
11,300.00	7,249.33	7,253.33	7,253.33	112.00	251.49	89.05	-1,164.71	-7,268.48	5,149.18	4,843.15	306.02	16.826	
11,400.00	7,249.91	7,253.91	7,253.91	114.64	251.51	89.07	-1,164.71	-7,268.48	5,054.90	4,748.03	306.86	16.473	
11,500.00	7,250.49	7,254.49	7,254.49	117.29	251.53	89.09	-1,164.71	-7,268.48	4,960.84	4,653.07	307.77	16.119	
11,600.00	7,251.07	7,255.07	7,255.07	119.95	251.55	89.11	-1,164.71	-7,268.48	4,867.02	4,558.28	308.75	15.764	
11,700.00	7,251.65	7,255.65	7,255.65	122.62	251.57	89.13	-1,164.71	-7,268.48	4,773.45	4,463.66	309.80	15.408	
11,800.00	7,252.23	7,256.23	7,256.23	125.30	251.59	89.15	-1,164.71	-7,268.48	4,680.15	4,369.22	310.93	15.052	
11,900.00	7,252.82	7,256.82	7,256.82	127.98	251.61	89.17	-1,164.71	-7,268.48	4,587.13	4,274.99	312.14	14.696	
12,000.00	7,253.40	7,257.40	7,257.40	130.68	251.63	89.19	-1,164.71	-7,268.48	4,494.41	4,180.97	313.44	14.339	
12,100.00	7,253.98	7,257.98	7,257.98	133.38	251.65	89.21	-1,164.71	-7,268.48	4,402.01	4,087.17	314.83	13.982	
12,200.00	7,254.56	7,258.56	7,258.56	136.09	251.67	89.22	-1,164.71	-7,268.48	4,309.94	3,993.62	316.32	13.625	
12,300.00	7,255.14	7,259.14	7,259.14	138.81	251.69	89.24	-1,164.71	-7,268.48	4,218.24	3,900.32	317.91	13.268	
12,400.00	7,255.72	7,259.72	7,259.72	141.53	251.71	89.26	-1,164.71	-7,268.48	4,126.92	3,807.31	319.62	12.912	
12,500.00	7,256.30	7,260.30	7,260.30	144.26	251.73	89.28	-1,164.71	-7,268.48	4,036.02	3,714.58	321.44	12.556	
12,600.00	7,256.88	7,260.88	7,260.88	146.99	251.75	89.30	-1,164.71	-7,268.48	3,945.55	3,622.18	323.37	12.201	
12,700.00	7,257.46	7,261.46	7,261.46	149.73	251.77	89.32	-1,164.71	-7,268.48	3,855.56	3,530.12	325.44	11.847	
12,800.00	7,258.04	7,262.04	7,262.04	152.47	251.79	89.34	-1,164.71	-7,268.48	3,766.07	3,438.42	327.64	11.494	
12,900.00	7,258.63	7,262.63	7,262.63	155.22	251.81	89.36	-1,164.71	-7,268.48	3,677.12	3,347.13	329.99	11.143	
13,000.00	7,259.21	7,263.21	7,263.21	157.97	251.83	89.38	-1,164.71	-7,268.48	3,588.75	3,256.27	332.48	10.794	
13,100.00	7,259.79	7,263.79	7,263.79	160.72	251.86	89.40	-1,164.71	-7,268.48	3,501.01	3,165.88	335.14	10.446	
13,200.00	7,260.37	7,264.37	7,264.37	163.48	251.88	89.42	-1,164.71	-7,268.48	3,413.95	3,075.99	337.96	10.102	
13,300.00	7,260.95	7,264.95	7,264.95	166.24	251.90	89.44	-1,164.71	-7,268.48	3,327.61	2,986.65	340.95	9.760	
13,400.00	7,261.53	7,265.53	7,265.53	169.01	251.92	89.46	-1,164.71	-7,268.48	3,242.05	2,897.92	344.14	9.421	
13,480.77	7,262.00	7,266.00	7,266.00	171.24	251.93	89.48	-1,164.71	-7,268.48	3,173.57	2,826.72	346.85	9.150	CC, ES, SF

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

Offset Design Falken 9-11 PAD - Montera #10-43(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	10.00	10.00	3.28	3.28	-85.76	413.75	-5,574.69	5,590.03				
100.00	100.00	110.00	110.00	3.28	3.89	-85.76	413.75	-5,574.69	5,590.03	5,582.85	7.18	778.940	
200.00	200.00	210.00	210.00	3.34	6.48	-85.76	413.75	-5,574.69	5,590.03	5,580.21	9.81	569.569	
300.00	300.00	310.00	310.00	3.44	9.65	-85.76	413.75	-5,574.69	5,590.03	5,576.93	13.10	426.851	
400.00	399.98	409.98	409.98	3.60	12.99	119.13	413.75	-5,574.69	5,590.88	5,574.29	16.58	337.134	
500.00	499.84	509.84	509.84	3.79	16.38	119.13	413.75	-5,574.69	5,593.43	5,573.26	20.17	277.313	
600.00	599.45	609.45	609.45	4.02	19.80	119.13	413.75	-5,574.69	5,597.68	5,573.86	23.82	234.984	
700.00	698.70	708.70	708.70	4.29	23.23	119.13	413.75	-5,574.69	5,603.65	5,576.13	27.52	203.652	
800.00	797.47	807.47	807.47	4.59	26.65	119.14	413.75	-5,574.69	5,611.34	5,580.10	31.24	179.628	
900.00	895.62	905.62	905.62	4.93	30.05	119.14	413.75	-5,574.69	5,620.76	5,585.78	34.98	160.685	
1,000.00	993.06	1,003.06	1,003.06	5.31	33.43	119.14	413.75	-5,574.69	5,631.93	5,593.20	38.73	145.408	
1,100.00	1,089.64	1,100.36	1,099.64	5.72	36.81	119.14	413.75	-5,574.69	5,644.87	5,602.36	42.51	132.780	
1,200.00	1,185.27	1,204.73	1,195.27	6.16	40.44	119.13	413.75	-5,574.69	5,659.59	5,613.02	46.57	121.521	
1,300.00	1,279.82	1,289.82	1,289.82	6.64	43.41	119.11	413.75	-5,574.69	5,676.12	5,626.13	49.99	113.537	
1,400.00	1,373.17	1,383.17	1,383.17	7.15	46.66	119.08	413.75	-5,574.69	5,694.47	5,640.74	53.73	105.976	
1,500.00	1,465.21	1,475.21	1,475.21	7.70	49.86	119.04	413.75	-5,574.69	5,714.67	5,657.21	57.46	99.454	
1,600.00	1,555.84	1,565.84	1,565.84	8.30	53.02	118.99	413.75	-5,574.69	5,736.73	5,675.56	61.17	93.783	
1,651.50	1,601.92	1,611.92	1,611.92	8.62	54.63	118.96	413.75	-5,574.69	5,748.83	5,685.76	63.07	91.146	
1,700.00	1,645.13	1,655.13	1,655.13	8.93	56.13	119.14	413.75	-5,574.69	5,760.49	5,695.63	64.86	88.811	
1,800.00	1,734.20	1,744.20	1,744.20	9.58	59.24	119.50	413.75	-5,574.69	5,784.73	5,716.17	68.56	84.370	
1,900.00	1,823.28	1,833.28	1,833.28	10.25	62.34	119.85	413.75	-5,574.69	5,809.22	5,736.94	72.28	80.373	
2,000.00	1,912.36	1,922.36	1,922.36	10.94	65.45	120.21	413.75	-5,574.69	5,833.96	5,757.96	76.00	76.759	
2,100.00	2,001.43	2,011.43	2,011.43	11.63	68.55	120.56	413.75	-5,574.69	5,858.95	5,779.21	79.74	73.479	
2,200.00	2,090.51	2,100.51	2,100.51	12.34	71.66	120.92	413.75	-5,574.69	5,884.18	5,800.71	83.48	70.490	
2,300.00	2,179.59	2,189.59	2,189.59	13.05	74.77	121.26	413.75	-5,574.69	5,909.66	5,822.44	87.22	67.756	
2,400.00	2,268.66	2,278.66	2,278.66	13.76	77.87	121.61	413.75	-5,574.69	5,935.37	5,844.41	90.97	65.247	
2,500.00	2,357.74	2,367.74	2,367.74	14.49	80.98	121.95	413.75	-5,574.69	5,961.32	5,866.60	94.72	62.938	
2,600.00	2,446.82	2,456.82	2,456.82	15.21	84.09	122.29	413.75	-5,574.69	5,987.50	5,889.03	98.47	60.805	
2,700.00	2,535.89	2,545.89	2,545.89	15.95	87.19	122.63	413.75	-5,574.69	6,013.92	5,911.69	102.23	58.830	
2,800.00	2,624.97	2,634.97	2,634.97	16.68	90.30	122.97	413.75	-5,574.69	6,040.55	5,934.57	105.98	56.997	
2,900.00	2,714.05	2,724.05	2,724.05	17.42	93.41	123.30	413.75	-5,574.69	6,067.42	5,957.68	109.74	55.290	
3,000.00	2,803.12	2,813.12	2,813.12	18.16	96.52	123.63	413.75	-5,574.69	6,094.50	5,981.00	113.49	53.699	
3,100.00	2,892.20	2,902.20	2,902.20	18.90	99.62	123.96	413.75	-5,574.69	6,121.80	6,004.55	117.25	52.211	
3,200.00	2,981.28	3,008.72	2,991.28	19.65	103.34	124.28	413.75	-5,574.69	6,149.31	6,027.70	121.61	50.564	
3,300.00	3,070.36	3,080.36	3,080.36	20.40	105.84	124.61	413.75	-5,574.69	6,177.04	6,052.28	124.76	49.511	
3,400.00	3,159.43	3,169.43	3,169.43	21.14	108.95	124.93	413.75	-5,574.69	6,204.97	6,076.46	128.52	48.281	
3,500.00	3,248.51	3,258.51	3,258.51	21.89	112.06	125.25	413.75	-5,574.69	6,233.11	6,100.84	132.27	47.124	
3,600.00	3,337.59	3,347.59	3,347.59	22.65	115.17	125.56	413.75	-5,574.69	6,261.46	6,125.43	136.02	46.032	
3,700.00	3,426.66	3,436.66	3,436.66	23.40	118.27	125.87	413.75	-5,574.69	6,290.00	6,150.23	139.78	45.000	
3,800.00	3,515.74	3,525.74	3,525.74	24.15	121.38	126.19	413.75	-5,574.69	6,318.75	6,175.22	143.53	44.025	
3,900.00	3,604.82	3,614.82	3,614.82	24.91	124.49	126.49	413.75	-5,574.69	6,347.69	6,200.41	147.28	43.100	
4,000.00	3,693.89	3,703.89	3,703.89	25.66	127.60	126.80	413.75	-5,574.69	6,376.82	6,225.79	151.03	42.223	
4,100.00	3,782.97	3,807.03	3,792.97	26.42	131.20	127.10	413.75	-5,574.69	6,406.14	6,250.87	155.26	41.260	
4,200.00	3,872.05	3,882.05	3,882.05	27.18	133.82	127.40	413.75	-5,574.69	6,435.64	6,277.13	158.52	40.599	
4,300.00	3,961.12	3,971.12	3,971.12	27.94	136.93	127.70	413.75	-5,574.69	6,465.34	6,303.08	162.26	39.845	
4,400.00	4,050.20	4,060.20	4,060.20	28.69	140.03	128.00	413.75	-5,574.69	6,495.21	6,329.21	166.01	39.126	
4,500.00	4,139.28	4,149.28	4,149.28	29.45	143.14	128.29	413.75	-5,574.69	6,525.27	6,355.52	169.75	38.441	
4,600.00	4,228.35	4,238.35	4,238.35	30.21	146.25	128.58	413.75	-5,574.69	6,555.50	6,382.01	173.49	37.787	
4,700.00	4,317.43	4,327.43	4,327.43	30.97	149.36	128.87	413.75	-5,574.69	6,585.91	6,408.68	177.22	37.161	
4,800.00	4,406.51	4,416.51	4,416.51	31.73	152.47	129.16	413.75	-5,574.69	6,616.49	6,435.52	180.96	36.563	
4,900.00	4,495.59	4,505.59	4,505.59	32.50	155.58	129.44	413.75	-5,574.69	6,647.24	6,462.54	184.70	35.990	
5,000.00	4,584.66	4,605.34	4,594.66	33.26	159.06	129.73	413.75	-5,574.69	6,678.15	6,489.35	188.80	35.371	

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

Offset Design Falken 9-11 PAD - Montera #10-43(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,683.74	4,683.74	34.02	161.80	130.01	413.75	-5,574.69	6,709.24	6,517.07	192.16	34.915	
5,200.00	4,762.82	4,772.82	4,772.82	34.78	164.91	130.28	413.75	-5,574.69	6,740.48	6,544.59	195.89	34.409	
5,300.00	4,851.89	4,861.89	4,861.89	35.54	168.02	130.56	413.75	-5,574.69	6,771.89	6,572.27	199.62	33.924	
5,400.00	4,940.97	4,950.97	4,950.97	36.31	171.12	130.83	413.75	-5,574.69	6,803.45	6,600.10	203.35	33.457	
5,500.00	5,030.05	5,040.05	5,040.05	37.07	174.23	131.10	413.75	-5,574.69	6,835.17	6,628.10	207.07	33.008	
5,600.00	5,119.12	5,129.12	5,129.12	37.83	177.34	131.37	413.75	-5,574.69	6,867.05	6,656.25	210.80	32.576	
5,700.00	5,208.20	5,218.20	5,218.20	38.60	180.45	131.64	413.75	-5,574.69	6,899.08	6,684.56	214.52	32.160	
5,800.00	5,297.28	5,307.28	5,307.28	39.36	183.56	131.90	413.75	-5,574.69	6,931.25	6,713.01	218.24	31.760	
5,900.00	5,386.35	5,403.65	5,396.35	40.13	186.92	132.16	413.75	-5,574.69	6,963.58	6,741.36	222.22	31.337	
6,000.00	5,475.43	5,485.43	5,485.43	40.89	189.78	132.42	413.75	-5,574.69	6,996.05	6,770.37	225.68	31.000	
6,100.00	5,564.51	5,574.51	5,574.51	41.66	192.89	132.68	413.75	-5,574.69	7,028.67	6,799.27	229.40	30.640	
6,200.00	5,653.58	5,663.58	5,663.58	42.42	196.00	132.94	413.75	-5,574.69	7,061.42	6,828.31	233.11	30.292	
6,300.00	5,742.66	5,752.66	5,752.66	43.19	199.11	133.19	413.75	-5,574.69	7,094.32	6,857.50	236.82	29.956	
6,400.00	5,831.74	5,841.74	5,841.74	43.95	202.22	133.44	413.75	-5,574.69	7,127.35	6,886.82	240.54	29.631	
6,500.00	5,920.82	5,930.82	5,930.82	44.72	205.33	133.69	413.75	-5,574.69	7,160.53	6,916.28	244.25	29.317	
6,600.00	6,009.89	6,019.89	6,019.89	45.48	208.44	133.94	413.75	-5,574.69	7,193.83	6,945.87	247.96	29.012	
6,700.00	6,098.97	6,108.97	6,108.97	46.25	211.54	134.18	413.75	-5,574.69	7,227.27	6,975.60	251.66	28.718	
6,800.00	6,188.05	6,201.95	6,198.05	47.01	214.79	134.43	413.75	-5,574.69	7,260.84	7,005.33	255.51	28.417	
6,900.00	6,277.12	6,287.12	6,287.12	47.78	217.76	134.67	413.75	-5,574.69	7,294.53	7,035.46	259.08	28.156	
7,000.00	6,366.20	6,376.20	6,376.20	48.55	220.87	134.91	413.75	-5,574.69	7,328.35	7,065.57	262.78	27.888	
7,100.00	6,455.28	6,465.28	6,465.28	49.31	223.98	135.14	413.75	-5,574.69	7,362.30	7,095.82	266.48	27.628	
7,197.64	6,542.25	6,552.25	6,552.25	50.06	227.02	135.37	413.75	-5,574.69	7,395.57	7,125.47	270.10	27.381	
7,200.00	6,544.35	6,554.35	6,554.35	50.08	227.09	134.96	413.75	-5,574.69	7,396.37	7,126.19	270.18	27.375	
7,250.00	6,589.22	6,600.78	6,599.22	50.44	228.71	125.85	413.75	-5,574.69	7,411.57	7,139.48	272.09	27.239	
7,300.00	6,634.48	6,644.48	6,644.48	50.77	230.24	116.11	413.75	-5,574.69	7,423.31	7,149.41	273.90	27.103	
7,350.00	6,679.86	6,689.86	6,689.86	51.06	231.82	106.25	413.75	-5,574.69	7,431.53	7,155.79	275.74	26.951	
7,400.00	6,725.09	6,735.09	6,735.09	51.31	233.40	96.86	413.75	-5,574.69	7,436.19	7,158.64	277.55	26.793	
7,450.00	6,769.87	6,779.87	6,779.87	51.52	234.96	88.42	413.75	-5,574.69	7,437.27	7,157.96	279.31	26.628	
7,500.00	6,813.94	6,823.94	6,823.94	51.69	236.50	81.20	413.75	-5,574.69	7,434.78	7,153.77	281.00	26.458	
7,550.00	6,857.03	6,867.03	6,867.03	51.84	238.01	75.24	413.75	-5,574.69	7,428.74	7,146.11	282.63	26.285	
7,600.00	6,898.86	6,908.86	6,908.86	51.95	239.47	70.48	413.75	-5,574.69	7,419.21	7,135.04	284.17	26.109	
7,650.00	6,939.19	6,949.19	6,949.19	52.05	240.87	66.77	413.75	-5,574.69	7,406.25	7,120.62	285.62	25.930	
7,700.00	6,977.75	6,987.75	6,987.75	52.13	242.22	63.99	413.75	-5,574.69	7,389.95	7,102.97	286.98	25.751	
7,750.00	7,014.32	7,024.32	7,024.32	52.20	243.50	62.01	413.75	-5,574.69	7,370.42	7,082.17	288.24	25.570	
7,800.00	7,048.67	7,058.67	7,058.67	52.26	244.70	60.74	413.75	-5,574.69	7,347.78	7,058.38	289.40	25.390	
7,850.00	7,080.59	7,109.41	7,090.59	52.33	246.47	60.14	413.75	-5,574.69	7,322.18	7,031.07	291.11	25.152	
7,900.00	7,109.87	7,119.87	7,119.87	52.39	246.83	60.15	413.75	-5,574.69	7,293.79	7,002.38	291.41	25.030	
7,950.00	7,136.35	7,146.35	7,146.35	52.47	247.76	60.78	413.75	-5,574.69	7,262.77	6,970.52	292.25	24.851	
8,000.00	7,159.85	7,169.85	7,169.85	52.55	248.58	62.05	413.75	-5,574.69	7,229.32	6,936.33	292.99	24.674	
8,050.00	7,180.23	7,209.77	7,190.23	52.64	249.97	63.98	413.75	-5,574.69	7,193.64	6,899.33	294.31	24.442	
8,100.00	7,197.37	7,207.37	7,207.37	52.75	249.89	66.66	413.75	-5,574.69	7,155.95	6,861.79	294.16	24.327	
8,150.00	7,211.16	7,221.16	7,221.16	52.88	250.37	70.18	413.75	-5,574.69	7,116.46	6,821.88	294.59	24.157	
8,200.00	7,221.51	7,231.51	7,231.51	53.03	250.73	74.64	413.75	-5,574.69	7,075.43	6,780.52	294.91	23.992	
8,250.00	7,228.37	7,238.37	7,238.37	53.20	250.97	80.15	413.75	-5,574.69	7,033.09	6,737.96	295.13	23.830	
8,300.00	7,231.68	7,241.68	7,241.68	53.40	251.08	86.79	413.75	-5,574.69	6,989.68	6,694.44	295.25	23.674	
8,317.45	7,232.00	7,242.00	7,242.00	53.47	251.09	89.38	413.75	-5,574.69	6,974.33	6,679.06	295.27	23.621	
8,400.00	7,232.48	7,242.48	7,242.48	53.86	251.11	89.38	413.75	-5,574.69	6,901.61	6,606.28	295.33	23.369	
8,500.00	7,233.06	7,243.06	7,243.06	54.44	251.13	89.39	413.75	-5,574.69	6,813.82	6,518.37	295.46	23.062	
8,600.00	7,233.64	7,243.64	7,243.64	55.14	251.15	89.40	413.75	-5,574.69	6,726.37	6,430.73	295.64	22.752	
8,700.00	7,234.22	7,244.22	7,244.22	55.99	251.17	89.41	413.75	-5,574.69	6,639.27	6,343.39	295.89	22.439	
8,800.00	7,234.80	7,244.80	7,244.80	57.00	251.19	89.43	413.75	-5,574.69	6,552.55	6,256.35	296.20	22.122	
8,900.00	7,235.39	7,245.39	7,245.39	58.18	251.21	89.44	413.75	-5,574.69	6,466.20	6,169.63	296.58	21.803	

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

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

Offset Design Falken 9-11 PAD - Montera #10-43(SI) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,245.97	7,245.97	59.53	251.23	89.45	413.75	-5,574.69	6,380.26	6,083.23	297.03	21.480	
9,100.00	7,236.55	7,246.55	7,246.55	61.04	251.25	89.46	413.75	-5,574.69	6,294.72	5,997.17	297.56	21.155	
9,200.00	7,237.13	7,247.13	7,247.13	62.69	251.27	89.47	413.75	-5,574.69	6,209.62	5,911.46	298.16	20.826	
9,300.00	7,237.71	7,247.71	7,247.71	64.47	251.29	89.48	413.75	-5,574.69	6,124.98	5,826.12	298.85	20.495	
9,400.00	7,238.29	7,248.29	7,248.29	66.36	251.31	89.49	413.75	-5,574.69	6,040.80	5,741.17	299.63	20.161	
9,500.00	7,238.87	7,248.87	7,248.87	68.34	251.33	89.50	413.75	-5,574.69	5,957.11	5,656.62	300.49	19.825	
9,600.00	7,239.45	7,249.45	7,249.45	70.41	251.35	89.51	413.75	-5,574.69	5,873.93	5,572.48	301.45	19.486	
9,700.00	7,240.03	7,250.03	7,250.03	72.55	251.38	89.52	413.75	-5,574.69	5,791.28	5,488.78	302.49	19.145	
9,800.00	7,240.61	7,250.61	7,250.61	74.76	251.40	89.53	413.75	-5,574.69	5,709.18	5,405.55	303.64	18.803	
9,900.00	7,241.20	7,251.20	7,251.20	77.02	251.42	89.54	413.75	-5,574.69	5,627.67	5,322.79	304.88	18.459	
10,000.00	7,241.78	7,251.78	7,251.78	79.33	251.44	89.55	413.75	-5,574.69	5,546.76	5,240.54	306.22	18.114	
10,100.00	7,242.36	7,252.36	7,252.36	81.68	251.46	89.56	413.75	-5,574.69	5,466.48	5,158.83	307.66	17.768	
10,200.00	7,242.94	7,252.94	7,252.94	84.07	251.48	89.57	413.75	-5,574.69	5,386.87	5,077.67	309.20	17.422	
10,300.00	7,243.52	7,253.52	7,253.52	86.49	251.50	89.58	413.75	-5,574.69	5,307.94	4,997.09	310.85	17.076	
10,400.00	7,244.10	7,254.10	7,254.10	88.95	251.52	89.59	413.75	-5,574.69	5,229.73	4,917.13	312.60	16.730	
10,500.00	7,244.68	7,254.68	7,254.68	91.43	251.54	89.60	413.75	-5,574.69	5,152.28	4,837.82	314.46	16.385	
10,600.00	7,245.26	7,255.26	7,255.26	93.93	251.56	89.61	413.75	-5,574.69	5,075.62	4,759.19	316.42	16.041	
10,700.00	7,245.84	7,255.84	7,255.84	96.46	251.58	89.62	413.75	-5,574.69	4,999.78	4,681.28	318.49	15.698	
10,800.00	7,246.42	7,256.42	7,256.42	99.01	251.60	89.63	413.75	-5,574.69	4,924.80	4,604.13	320.67	15.358	
10,900.00	7,247.01	7,257.01	7,257.01	101.58	251.62	89.64	413.75	-5,574.69	4,850.73	4,527.77	322.96	15.020	
11,000.00	7,247.59	7,257.59	7,257.59	104.16	251.64	89.65	413.75	-5,574.69	4,777.60	4,452.24	325.35	14.684	
11,100.00	7,248.17	7,258.17	7,258.17	106.76	251.66	89.66	413.75	-5,574.69	4,705.45	4,377.60	327.86	14.352	
11,200.00	7,248.75	7,258.75	7,258.75	109.37	251.68	89.67	413.75	-5,574.69	4,634.35	4,303.88	330.47	14.024	
11,300.00	7,249.33	7,259.33	7,259.33	112.00	251.70	89.68	413.75	-5,574.69	4,564.32	4,231.14	333.19	13.699	
11,400.00	7,249.91	7,259.91	7,259.91	114.64	251.72	89.69	413.75	-5,574.69	4,495.44	4,159.42	336.02	13.379	
11,500.00	7,250.49	7,260.49	7,260.49	117.29	251.74	89.70	413.75	-5,574.69	4,427.73	4,088.78	338.95	13.063	
11,600.00	7,251.07	7,261.07	7,261.07	119.95	251.76	89.71	413.75	-5,574.69	4,361.27	4,019.28	341.99	12.752	
11,700.00	7,251.65	7,261.65	7,261.65	122.62	251.78	89.72	413.75	-5,574.69	4,296.11	3,950.97	345.14	12.447	
11,800.00	7,252.23	7,262.23	7,262.23	125.30	251.80	89.73	413.75	-5,574.69	4,232.31	3,883.92	348.39	12.148	
11,900.00	7,252.82	7,262.82	7,262.82	127.98	251.82	89.74	413.75	-5,574.69	4,169.93	3,818.19	351.74	11.855	
12,000.00	7,253.40	7,263.40	7,263.40	130.68	251.84	89.75	413.75	-5,574.69	4,109.04	3,753.84	355.20	11.568	
12,100.00	7,253.98	7,263.98	7,263.98	133.38	251.86	89.76	413.75	-5,574.69	4,049.70	3,690.96	358.74	11.289	
12,200.00	7,254.56	7,264.56	7,264.56	136.09	251.88	89.77	413.75	-5,574.69	3,991.98	3,629.60	362.38	11.016	
12,300.00	7,255.14	7,265.14	7,265.14	138.81	251.90	89.78	413.75	-5,574.69	3,935.96	3,569.86	366.11	10.751	
12,400.00	7,255.72	7,265.72	7,265.72	141.53	251.92	89.79	413.75	-5,574.69	3,881.71	3,511.79	369.92	10.493	
12,500.00	7,256.30	7,266.30	7,266.30	144.26	251.94	89.80	413.75	-5,574.69	3,829.30	3,455.50	373.80	10.244	
12,600.00	7,256.88	7,266.88	7,266.88	146.99	251.96	89.81	413.75	-5,574.69	3,778.81	3,401.05	377.76	10.003	
12,700.00	7,257.46	7,267.46	7,267.46	149.73	251.98	89.82	413.75	-5,574.69	3,730.32	3,348.54	381.78	9.771	
12,800.00	7,258.04	7,268.04	7,268.04	152.47	252.00	89.83	413.75	-5,574.69	3,683.91	3,298.05	385.86	9.547	
12,900.00	7,258.63	7,268.63	7,268.63	155.22	252.02	89.84	413.75	-5,574.69	3,639.65	3,249.67	389.98	9.333	
13,000.00	7,259.21	7,269.21	7,269.21	157.97	252.04	89.85	413.75	-5,574.69	3,597.63	3,203.49	394.14	9.128	
13,100.00	7,259.79	7,269.79	7,269.79	160.72	252.06	89.86	413.75	-5,574.69	3,557.92	3,159.60	398.32	8.932	
13,200.00	7,260.37	7,270.37	7,270.37	163.48	252.08	89.87	413.75	-5,574.69	3,520.60	3,118.09	402.51	8.747	
13,300.00	7,260.95	7,270.95	7,270.95	166.24	252.11	89.88	413.75	-5,574.69	3,485.76	3,079.05	406.71	8.571	
13,400.00	7,261.53	7,271.53	7,271.53	169.01	252.13	89.89	413.75	-5,574.69	3,453.46	3,042.57	410.89	8.405	
13,480.77	7,262.00	7,272.00	7,272.00	171.24	252.14	89.90	413.75	-5,574.69	3,429.28	3,015.03	414.25	8.278	CC, ES, SF

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

Offset Design Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	16.00	16.00	3.28	3.29	-85.77	238.83	-3,230.10	3,238.91				
100.00	100.00	116.00	116.00	3.28	4.01	-85.77	238.83	-3,230.10	3,238.91	3,231.62	7.29	444.108	
200.00	200.00	216.00	216.00	3.34	6.66	-85.77	238.83	-3,230.10	3,238.91	3,228.92	10.00	324.023	
300.00	300.00	316.00	316.00	3.44	9.85	-85.77	238.83	-3,230.10	3,238.91	3,225.62	13.29	243.651	
400.00	399.98	415.98	415.98	3.60	13.19	119.12	238.83	-3,230.10	3,239.76	3,222.98	16.79	193.000	
500.00	499.84	515.84	515.84	3.79	16.59	119.16	238.83	-3,230.10	3,242.31	3,221.94	20.38	159.129	
600.00	599.45	615.45	615.45	4.02	20.01	119.22	238.83	-3,230.10	3,246.58	3,222.55	24.03	135.116	
700.00	698.70	714.70	714.70	4.29	23.44	119.30	238.83	-3,230.10	3,252.57	3,224.84	27.72	117.323	
800.00	797.47	813.47	813.47	4.59	26.85	119.40	238.83	-3,230.10	3,260.31	3,228.86	31.45	103.678	
900.00	895.62	911.62	911.62	4.93	30.26	119.52	238.83	-3,230.10	3,269.83	3,234.64	35.19	92.924	
1,000.00	993.06	1,009.06	1,009.06	5.31	33.64	119.66	238.83	-3,230.10	3,281.15	3,242.21	38.94	84.261	
1,100.00	1,089.64	1,105.64	1,105.64	5.72	37.00	119.81	238.83	-3,230.10	3,294.33	3,251.63	42.70	77.158	
1,200.00	1,185.27	1,201.27	1,201.27	6.16	40.32	119.97	238.83	-3,230.10	3,309.39	3,262.94	46.45	71.245	
1,300.00	1,279.82	1,304.18	1,295.82	6.64	43.91	120.14	238.83	-3,230.10	3,326.39	3,275.90	50.49	65.882	
1,400.00	1,373.17	1,389.17	1,389.17	7.15	46.87	120.31	238.83	-3,230.10	3,345.36	3,291.42	53.94	62.024	
1,500.00	1,465.21	1,481.21	1,481.21	7.70	50.07	120.48	238.83	-3,230.10	3,366.36	3,308.70	57.66	58.384	
1,600.00	1,555.84	1,571.84	1,571.84	8.30	53.23	120.65	238.83	-3,230.10	3,389.44	3,328.07	61.36	55.235	
1,651.50	1,601.92	1,617.92	1,617.92	8.62	54.83	120.73	238.83	-3,230.10	3,402.14	3,338.88	63.26	53.778	
1,700.00	1,645.13	1,661.13	1,661.13	8.93	56.34	121.02	238.83	-3,230.10	3,414.43	3,349.38	65.05	52.491	
1,800.00	1,734.20	1,750.20	1,750.20	9.58	59.44	121.62	238.83	-3,230.10	3,440.07	3,371.33	68.74	50.046	
1,900.00	1,823.28	1,839.28	1,839.28	10.25	62.55	122.21	238.83	-3,230.10	3,466.11	3,393.67	72.44	47.847	
2,000.00	1,912.36	1,928.36	1,928.36	10.94	65.66	122.79	238.83	-3,230.10	3,492.55	3,416.40	76.15	45.863	
2,100.00	2,001.43	2,017.43	2,017.43	11.63	68.76	123.37	238.83	-3,230.10	3,519.37	3,439.51	79.87	44.065	
2,200.00	2,090.51	2,106.51	2,106.51	12.34	71.87	123.94	238.83	-3,230.10	3,546.58	3,462.99	83.59	42.428	
2,300.00	2,179.59	2,204.41	2,195.59	13.05	75.28	124.50	238.83	-3,230.10	3,574.16	3,486.54	87.62	40.791	
2,400.00	2,268.66	2,284.66	2,284.66	13.76	78.08	125.05	238.83	-3,230.10	3,602.10	3,511.06	91.04	39.566	
2,500.00	2,357.74	2,373.74	2,373.74	14.49	81.19	125.60	238.83	-3,230.10	3,630.39	3,535.62	94.77	38.308	
2,600.00	2,446.82	2,462.82	2,462.82	15.21	84.30	126.14	238.83	-3,230.10	3,659.03	3,560.54	98.50	37.149	
2,700.00	2,535.89	2,551.89	2,551.89	15.95	87.40	126.67	238.83	-3,230.10	3,688.01	3,585.78	102.23	36.077	
2,800.00	2,624.97	2,640.97	2,640.97	16.68	90.51	127.19	238.83	-3,230.10	3,717.32	3,611.36	105.95	35.084	
2,900.00	2,714.05	2,730.05	2,730.05	17.42	93.62	127.71	238.83	-3,230.10	3,746.95	3,637.26	109.68	34.162	
3,000.00	2,803.12	2,819.12	2,819.12	18.16	96.73	128.22	238.83	-3,230.10	3,776.89	3,663.48	113.41	33.304	
3,100.00	2,892.20	2,908.20	2,908.20	18.90	99.83	128.72	238.83	-3,230.10	3,807.14	3,690.01	117.13	32.503	
3,200.00	2,981.28	3,002.72	2,997.28	19.65	103.13	129.21	238.83	-3,230.10	3,837.69	3,716.64	121.05	31.704	
3,300.00	3,070.36	3,086.36	3,086.36	20.40	106.05	129.70	238.83	-3,230.10	3,868.53	3,743.95	124.58	31.053	
3,400.00	3,159.43	3,175.43	3,175.43	21.14	109.16	130.18	238.83	-3,230.10	3,899.66	3,771.36	128.30	30.395	
3,500.00	3,248.51	3,264.51	3,264.51	21.89	112.27	130.66	238.83	-3,230.10	3,931.07	3,799.05	132.02	29.777	
3,600.00	3,337.59	3,353.59	3,353.59	22.65	115.38	131.13	238.83	-3,230.10	3,962.75	3,827.02	135.73	29.195	
3,700.00	3,426.66	3,442.66	3,442.66	23.40	118.48	131.59	238.83	-3,230.10	3,994.69	3,855.25	139.45	28.647	
3,800.00	3,515.74	3,531.74	3,531.74	24.15	121.59	132.04	238.83	-3,230.10	4,026.90	3,883.74	143.16	28.129	
3,900.00	3,604.82	3,620.82	3,620.82	24.91	124.70	132.49	238.83	-3,230.10	4,059.36	3,912.49	146.87	27.639	
4,000.00	3,693.89	3,709.89	3,709.89	25.66	127.81	132.94	238.83	-3,230.10	4,092.06	3,941.49	150.58	27.176	
4,100.00	3,782.97	3,801.03	3,798.97	26.42	130.99	133.37	238.83	-3,230.10	4,125.01	3,970.65	154.35	26.724	
4,200.00	3,872.05	3,888.05	3,888.05	27.18	134.03	133.80	238.83	-3,230.10	4,158.19	4,000.20	157.99	26.320	
4,300.00	3,961.12	3,977.12	3,977.12	27.94	137.14	134.23	238.83	-3,230.10	4,191.60	4,029.92	161.69	25.924	
4,400.00	4,050.20	4,066.20	4,066.20	28.69	140.24	134.64	238.83	-3,230.10	4,225.24	4,059.85	165.39	25.547	
4,500.00	4,139.28	4,155.28	4,155.28	29.45	143.35	135.06	238.83	-3,230.10	4,259.10	4,090.01	169.09	25.189	
4,600.00	4,228.35	4,244.35	4,244.35	30.21	146.46	135.46	238.83	-3,230.10	4,293.17	4,120.39	172.78	24.847	
4,700.00	4,317.43	4,333.43	4,333.43	30.97	149.57	135.86	238.83	-3,230.10	4,327.45	4,150.97	176.48	24.521	
4,800.00	4,406.51	4,422.51	4,422.51	31.73	152.68	136.26	238.83	-3,230.10	4,361.93	4,181.76	180.17	24.210	
4,900.00	4,495.59	4,511.59	4,511.59	32.50	155.79	136.65	238.83	-3,230.10	4,396.61	4,212.76	183.86	23.913	
5,000.00	4,584.66	4,600.66	4,600.66	33.26	158.90	137.03	238.83	-3,230.10	4,431.49	4,243.95	187.55	23.629	

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

Offset Design Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,689.74	4,689.74	34.02	162.01	137.41	238.83	-3,230.10	4,466.56	4,275.33	191.23	23.357	
5,200.00	4,762.82	4,778.82	4,778.82	34.78	165.12	137.78	238.83	-3,230.10	4,501.81	4,306.90	194.92	23.096	
5,300.00	4,851.89	4,867.89	4,867.89	35.54	168.22	138.15	238.83	-3,230.10	4,537.25	4,338.65	198.60	22.846	
5,400.00	4,940.97	4,956.97	4,956.97	36.31	171.33	138.51	238.83	-3,230.10	4,572.86	4,370.58	202.28	22.607	
5,500.00	5,030.05	5,046.05	5,046.05	37.07	174.44	138.87	238.83	-3,230.10	4,608.64	4,402.68	205.96	22.376	
5,600.00	5,119.12	5,135.12	5,135.12	37.83	177.55	139.22	238.83	-3,230.10	4,644.60	4,434.96	209.64	22.155	
5,700.00	5,208.20	5,224.20	5,224.20	38.60	180.66	139.57	238.83	-3,230.10	4,680.71	4,467.40	213.31	21.943	
5,800.00	5,297.28	5,313.28	5,313.28	39.36	183.77	139.91	238.83	-3,230.10	4,716.99	4,500.00	216.99	21.738	
5,900.00	5,386.35	5,402.35	5,402.35	40.13	186.88	140.25	238.83	-3,230.10	4,753.43	4,532.77	220.66	21.542	
6,000.00	5,475.43	5,508.57	5,491.43	40.89	190.59	140.58	238.83	-3,230.10	4,790.02	4,565.09	224.93	21.295	
6,100.00	5,564.51	5,580.51	5,580.51	41.66	193.10	140.91	238.83	-3,230.10	4,826.76	4,598.76	228.00	21.170	
6,200.00	5,653.58	5,669.58	5,669.58	42.42	196.21	141.23	238.83	-3,230.10	4,863.65	4,631.98	231.67	20.994	
6,300.00	5,742.66	5,758.66	5,758.66	43.19	199.32	141.55	238.83	-3,230.10	4,900.69	4,665.34	235.34	20.824	
6,400.00	5,831.74	5,847.74	5,847.74	43.95	202.43	141.87	238.83	-3,230.10	4,937.86	4,698.85	239.01	20.660	
6,500.00	5,920.82	5,936.82	5,936.82	44.72	205.54	142.18	238.83	-3,230.10	4,975.17	4,732.50	242.67	20.501	
6,600.00	6,009.89	6,025.89	6,025.89	45.48	208.64	142.48	238.83	-3,230.10	5,012.61	4,766.28	246.34	20.349	
6,700.00	6,098.97	6,114.97	6,114.97	46.25	211.75	142.78	238.83	-3,230.10	5,050.19	4,800.19	250.00	20.201	
6,800.00	6,188.05	6,204.05	6,204.05	47.01	214.86	143.08	238.83	-3,230.10	5,087.90	4,834.23	253.66	20.058	
6,900.00	6,277.12	6,306.88	6,293.12	47.78	218.45	143.38	238.83	-3,230.10	5,125.73	4,867.92	257.80	19.882	
7,000.00	6,366.20	6,382.20	6,382.20	48.55	221.08	143.66	238.83	-3,230.10	5,163.68	4,902.69	260.98	19.785	
7,100.00	6,455.28	6,471.28	6,471.28	49.31	224.19	143.95	238.83	-3,230.10	5,201.75	4,937.11	264.64	19.656	
7,197.64	6,542.25	6,558.25	6,558.25	50.06	227.23	144.23	238.83	-3,230.10	5,239.04	4,970.82	268.21	19.533	
7,200.00	6,544.35	6,560.35	6,560.35	50.08	227.30	143.80	238.83	-3,230.10	5,239.94	4,971.64	268.30	19.530	
7,250.00	6,589.22	6,605.22	6,605.22	50.44	228.87	134.40	238.83	-3,230.10	5,257.37	4,987.23	270.14	19.462	
7,300.00	6,634.48	6,650.48	6,650.48	50.77	230.45	124.42	238.83	-3,230.10	5,271.64	4,999.66	271.97	19.383	
7,350.00	6,679.86	6,704.14	6,695.86	51.06	232.32	114.38	238.83	-3,230.10	5,282.68	5,008.59	274.09	19.274	
7,400.00	6,725.09	6,741.09	6,741.09	51.31	233.61	104.84	238.83	-3,230.10	5,290.44	5,014.86	275.59	19.197	
7,450.00	6,769.87	6,785.87	6,785.87	51.52	235.17	96.30	238.83	-3,230.10	5,294.91	5,017.58	277.34	19.092	
7,500.00	6,813.94	6,829.94	6,829.94	51.69	236.71	89.01	238.83	-3,230.10	5,296.08	5,017.05	279.02	18.981	
7,550.00	6,857.03	6,873.03	6,873.03	51.84	238.21	83.01	238.83	-3,230.10	5,293.95	5,013.32	280.64	18.864	
7,600.00	6,898.86	6,914.86	6,914.86	51.95	239.68	78.23	238.83	-3,230.10	5,288.57	5,006.41	282.17	18.743	
7,650.00	6,939.19	6,955.19	6,955.19	52.05	241.08	74.53	238.83	-3,230.10	5,280.00	4,996.39	283.61	18.617	
7,700.00	6,977.75	7,006.25	6,993.75	52.13	242.87	71.76	238.83	-3,230.10	5,268.31	4,982.90	285.40	18.459	
7,750.00	7,014.32	7,030.32	7,030.32	52.20	243.71	69.80	238.83	-3,230.10	5,253.58	4,967.36	286.22	18.355	
7,800.00	7,048.67	7,064.67	7,064.67	52.26	244.90	68.56	238.83	-3,230.10	5,235.94	4,948.57	287.38	18.220	
7,850.00	7,080.59	7,103.41	7,096.59	52.33	246.26	67.96	238.83	-3,230.10	5,215.51	4,926.84	288.67	18.067	
7,900.00	7,109.87	7,125.87	7,125.87	52.39	247.04	67.95	238.83	-3,230.10	5,192.42	4,903.04	289.39	17.943	
7,950.00	7,136.35	7,152.35	7,152.35	52.47	247.97	68.50	238.83	-3,230.10	5,166.84	4,876.60	290.24	17.802	
8,000.00	7,159.85	7,175.85	7,175.85	52.55	248.79	69.60	238.83	-3,230.10	5,138.92	4,847.92	291.00	17.660	
8,050.00	7,180.23	7,203.77	7,196.23	52.64	249.76	71.23	238.83	-3,230.10	5,108.85	4,816.93	291.92	17.501	
8,100.00	7,197.37	7,213.37	7,213.37	52.75	250.10	73.42	238.83	-3,230.10	5,076.81	4,784.59	292.22	17.373	
8,150.00	7,211.16	7,227.16	7,227.16	52.88	250.58	76.16	238.83	-3,230.10	5,043.00	4,750.30	292.69	17.230	
8,200.00	7,221.51	7,237.51	7,237.51	53.03	250.94	79.49	238.83	-3,230.10	5,007.62	4,714.54	293.07	17.087	
8,250.00	7,228.37	7,244.37	7,244.37	53.20	251.18	83.40	238.83	-3,230.10	4,970.87	4,677.51	293.36	16.945	
8,300.00	7,231.68	7,247.68	7,247.68	53.40	251.29	87.89	238.83	-3,230.10	4,932.98	4,639.43	293.55	16.804	
8,317.45	7,232.00	7,248.00	7,248.00	53.47	251.30	89.59	238.83	-3,230.10	4,919.53	4,625.93	293.60	16.756	
8,400.00	7,232.48	7,248.48	7,248.48	53.86	251.32	89.60	238.83	-3,230.10	4,855.91	4,562.09	293.83	16.526	
8,500.00	7,233.06	7,249.06	7,249.06	54.44	251.34	89.61	238.83	-3,230.10	4,779.62	4,485.42	294.20	16.246	
8,600.00	7,233.64	7,249.64	7,249.64	55.14	251.36	89.62	238.83	-3,230.10	4,704.22	4,409.52	294.70	15.963	
8,700.00	7,234.22	7,250.22	7,250.22	55.99	251.38	89.63	238.83	-3,230.10	4,629.75	4,334.42	295.33	15.677	
8,800.00	7,234.80	7,250.80	7,250.80	57.00	251.40	89.64	238.83	-3,230.10	4,556.26	4,260.17	296.09	15.388	
8,900.00	7,235.39	7,251.39	7,251.39	58.18	251.42	89.66	238.83	-3,230.10	4,483.79	4,186.80	296.99	15.098	

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

Offset Design Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,251.97	7,251.97	59.53	251.44	89.67	238.83	-3,230.10	4,412.40	4,114.37	298.03	14.805	
9,100.00	7,236.55	7,252.55	7,252.55	61.04	251.46	89.68	238.83	-3,230.10	4,342.14	4,042.92	299.22	14.512	
9,200.00	7,237.13	7,253.13	7,253.13	62.69	251.48	89.69	238.83	-3,230.10	4,273.06	3,972.51	300.56	14.217	
9,300.00	7,237.71	7,253.71	7,253.71	64.47	251.50	89.70	238.83	-3,230.10	4,205.23	3,903.19	302.04	13.923	
9,400.00	7,238.29	7,254.29	7,254.29	66.36	251.52	89.71	238.83	-3,230.10	4,138.70	3,835.02	303.68	13.628	
9,500.00	7,238.87	7,254.87	7,254.87	68.34	251.54	89.72	238.83	-3,230.10	4,073.54	3,768.07	305.47	13.335	
9,600.00	7,239.45	7,255.45	7,255.45	70.41	251.56	89.73	238.83	-3,230.10	4,009.82	3,702.41	307.41	13.044	
9,700.00	7,240.03	7,256.03	7,256.03	72.55	251.58	89.74	238.83	-3,230.10	3,947.60	3,638.10	309.50	12.755	
9,800.00	7,240.61	7,256.61	7,256.61	74.76	251.60	89.75	238.83	-3,230.10	3,886.96	3,575.23	311.72	12.469	
9,900.00	7,241.20	7,257.20	7,257.20	77.02	251.63	89.76	238.83	-3,230.10	3,827.96	3,513.87	314.09	12.187	
10,000.00	7,241.78	7,257.78	7,257.78	79.33	251.65	89.77	238.83	-3,230.10	3,770.70	3,454.11	316.60	11.910	
10,100.00	7,242.36	7,258.36	7,258.36	81.68	251.67	89.78	238.83	-3,230.10	3,715.25	3,396.02	319.23	11.638	
10,200.00	7,242.94	7,258.94	7,258.94	84.07	251.69	89.79	238.83	-3,230.10	3,661.69	3,339.70	321.99	11.372	
10,300.00	7,243.52	7,259.52	7,259.52	86.49	251.71	89.80	238.83	-3,230.10	3,610.11	3,285.24	324.87	11.113	
10,400.00	7,244.10	7,260.10	7,260.10	88.95	251.73	89.82	238.83	-3,230.10	3,560.58	3,232.73	327.85	10.860	
10,500.00	7,244.68	7,260.68	7,260.68	91.43	251.75	89.83	238.83	-3,230.10	3,513.21	3,182.27	330.94	10.616	
10,600.00	7,245.26	7,261.26	7,261.26	93.93	251.77	89.84	238.83	-3,230.10	3,468.07	3,133.95	334.13	10.380	
10,700.00	7,245.84	7,261.84	7,261.84	96.46	251.79	89.85	238.83	-3,230.10	3,425.26	3,087.87	337.39	10.152	
10,800.00	7,246.42	7,262.42	7,262.42	99.01	251.81	89.86	238.83	-3,230.10	3,384.86	3,044.13	340.74	9.934	
10,900.00	7,247.01	7,263.01	7,263.01	101.58	251.83	89.87	238.83	-3,230.10	3,346.97	3,002.82	344.14	9.726	
11,000.00	7,247.59	7,263.59	7,263.59	104.16	251.85	89.88	238.83	-3,230.10	3,311.66	2,964.06	347.60	9.527	
11,100.00	7,248.17	7,264.17	7,264.17	106.76	251.87	89.89	238.83	-3,230.10	3,279.02	2,927.92	351.09	9.339	
11,200.00	7,248.75	7,264.75	7,264.75	109.37	251.89	89.90	238.83	-3,230.10	3,249.13	2,894.51	354.61	9.162	
11,300.00	7,249.33	7,265.33	7,265.33	112.00	251.91	89.91	238.83	-3,230.10	3,222.07	2,863.92	358.14	8.997	
11,400.00	7,249.91	7,265.91	7,265.91	114.64	251.93	89.92	238.83	-3,230.10	3,197.90	2,836.23	361.67	8.842	
11,500.00	7,250.49	7,266.49	7,266.49	117.29	251.95	89.93	238.83	-3,230.10	3,176.71	2,811.52	365.18	8.699	
11,600.00	7,251.07	7,267.07	7,267.07	119.95	251.97	89.94	238.83	-3,230.10	3,158.54	2,789.87	368.66	8.568	
11,700.00	7,251.65	7,267.65	7,267.65	122.62	251.99	89.95	238.83	-3,230.10	3,143.44	2,771.35	372.09	8.448	
11,800.00	7,252.23	7,268.23	7,268.23	125.30	252.01	89.97	238.83	-3,230.10	3,131.47	2,756.01	375.46	8.340	
11,900.00	7,252.82	7,268.82	7,268.82	127.98	252.03	89.98	238.83	-3,230.10	3,122.66	2,743.90	378.75	8.245	
12,000.00	7,253.40	7,269.40	7,269.40	130.68	252.05	89.99	238.83	-3,230.10	3,117.03	2,735.07	381.96	8.161	
12,100.00	7,253.98	7,269.98	7,269.98	133.38	252.07	90.00	238.83	-3,230.10	3,114.60	2,729.54	385.06	8.089	
12,125.63	7,254.13	7,270.13	7,270.13	134.08	252.08	90.00	238.83	-3,230.10	3,114.49	2,728.66	385.83	8.072 CC	
12,200.00	7,254.56	7,270.56	7,270.56	136.09	252.09	90.01	238.83	-3,230.10	3,115.38	2,727.34	388.04	8.028 ES	
12,300.00	7,255.14	7,271.14	7,271.14	138.81	252.11	90.02	238.83	-3,230.10	3,119.37	2,728.46	390.91	7.980	
12,400.00	7,255.72	7,271.72	7,271.72	141.53	252.13	90.03	238.83	-3,230.10	3,126.56	2,732.92	393.64	7.943	
12,500.00	7,256.30	7,272.30	7,272.30	144.26	252.15	90.04	238.83	-3,230.10	3,136.91	2,740.69	396.23	7.917	
12,600.00	7,256.88	7,272.88	7,272.88	146.99	252.17	90.05	238.83	-3,230.10	3,150.41	2,751.74	398.67	7.902	
12,700.00	7,257.46	7,273.46	7,273.46	149.73	252.19	90.06	238.83	-3,230.10	3,167.01	2,766.05	400.96	7.899 SF	
12,800.00	7,258.04	7,274.04	7,274.04	152.47	252.21	90.07	238.83	-3,230.10	3,186.67	2,783.56	403.10	7.905	
12,900.00	7,258.63	7,274.63	7,274.63	155.22	252.23	90.08	238.83	-3,230.10	3,209.32	2,804.23	405.09	7.923	
13,000.00	7,259.21	7,275.21	7,275.21	157.97	252.25	90.09	238.83	-3,230.10	3,234.90	2,827.98	406.92	7.950	
13,100.00	7,259.79	7,275.79	7,275.79	160.72	252.27	90.10	238.83	-3,230.10	3,263.35	2,854.76	408.59	7.987	
13,200.00	7,260.37	7,276.37	7,276.37	163.48	252.29	90.11	238.83	-3,230.10	3,294.59	2,884.47	410.12	8.033	
13,300.00	7,260.95	7,276.95	7,276.95	166.24	252.31	90.13	238.83	-3,230.10	3,328.54	2,917.05	411.49	8.089	
13,400.00	7,261.53	7,277.53	7,277.53	169.01	252.33	90.14	238.83	-3,230.10	3,365.12	2,952.39	412.73	8.153	
13,480.77	7,262.00	7,278.00	7,278.00	171.24	252.35	90.14	238.83	-3,230.10	3,396.53	2,982.91	413.62	8.212	

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

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

Offset Design Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	2.00	-2.00	3.28	3.28	-107.80	-938.28	-2,922.38	3,069.31				
100.00	100.00	102.00	98.00	3.28	3.75	-107.80	-938.28	-2,922.38	3,069.31	3,062.28	7.03	436.383	
200.00	200.00	202.00	198.00	3.34	6.24	-107.80	-938.28	-2,922.38	3,069.31	3,059.74	9.58	320.546	
300.00	300.00	302.00	298.00	3.44	9.39	-107.80	-938.28	-2,922.38	3,069.31	3,056.48	12.83	239.159	
400.00	399.98	402.02	397.98	3.60	12.72	97.11	-938.28	-2,922.38	3,069.53	3,053.21	16.31	188.144	
500.00	499.84	502.16	497.84	3.79	16.12	97.19	-938.28	-2,922.38	3,070.18	3,050.27	19.91	154.226	
600.00	599.45	602.55	597.45	4.02	19.57	97.33	-938.28	-2,922.38	3,071.29	3,047.71	23.58	130.234	
700.00	698.70	703.30	696.70	4.29	23.04	97.52	-938.28	-2,922.38	3,072.87	3,045.55	27.33	112.443	
800.00	797.47	804.53	795.47	4.59	26.54	97.77	-938.28	-2,922.38	3,074.98	3,043.84	31.14	98.755	
900.00	895.62	906.38	893.62	4.93	30.08	98.06	-938.28	-2,922.38	3,077.66	3,042.65	35.01	87.909	
1,000.00	993.06	1,008.94	991.06	5.31	33.64	98.40	-938.28	-2,922.38	3,080.96	3,042.01	38.95	79.110	
1,100.00	1,089.64	1,087.64	1,087.64	5.72	36.37	98.78	-938.28	-2,922.38	3,084.96	3,042.87	42.09	73.298	
1,200.00	1,185.27	1,183.27	1,183.27	6.16	39.70	99.20	-938.28	-2,922.38	3,089.73	3,043.88	45.86	67.380	
1,300.00	1,279.82	1,277.82	1,277.82	6.64	42.99	99.65	-938.28	-2,922.38	3,095.36	3,045.74	49.62	62.380	
1,400.00	1,373.17	1,371.17	1,371.17	7.15	46.24	100.13	-938.28	-2,922.38	3,101.94	3,048.56	53.38	58.108	
1,500.00	1,465.21	1,463.21	1,463.21	7.70	49.44	100.63	-938.28	-2,922.38	3,109.57	3,052.43	57.14	54.424	
1,600.00	1,555.84	1,553.84	1,553.84	8.30	52.60	101.15	-938.28	-2,922.38	3,118.35	3,057.47	60.88	51.222	
1,651.50	1,601.92	1,600.08	1,599.92	8.62	54.21	101.43	-938.28	-2,922.38	3,123.36	3,060.55	62.81	49.731	
1,700.00	1,645.13	1,643.13	1,643.13	8.93	55.71	101.78	-938.28	-2,922.38	3,128.31	3,063.70	64.61	48.419	
1,800.00	1,734.20	1,732.20	1,732.20	9.58	58.82	102.51	-938.28	-2,922.38	3,138.98	3,070.63	68.36	45.922	
1,900.00	1,823.28	1,821.28	1,821.28	10.25	61.92	103.23	-938.28	-2,922.38	3,150.28	3,078.16	72.11	43.684	
2,000.00	1,912.36	1,910.36	1,910.36	10.94	65.03	103.95	-938.28	-2,922.38	3,162.18	3,086.30	75.88	41.671	
2,100.00	2,001.43	2,000.57	1,999.43	11.63	68.17	104.67	-938.28	-2,922.38	3,174.70	3,094.99	79.70	39.832	
2,200.00	2,090.51	2,088.51	2,088.51	12.34	71.24	105.38	-938.28	-2,922.38	3,187.81	3,104.36	83.45	38.202	
2,300.00	2,179.59	2,177.59	2,177.59	13.05	74.35	106.08	-938.28	-2,922.38	3,201.51	3,114.27	87.23	36.700	
2,400.00	2,268.66	2,266.66	2,266.66	13.76	77.45	106.78	-938.28	-2,922.38	3,215.80	3,124.77	91.03	35.328	
2,500.00	2,357.74	2,355.74	2,355.74	14.49	80.56	107.48	-938.28	-2,922.38	3,230.66	3,135.84	94.82	34.072	
2,600.00	2,446.82	2,444.82	2,444.82	15.21	83.67	108.17	-938.28	-2,922.38	3,246.09	3,147.48	98.61	32.918	
2,700.00	2,535.89	2,533.89	2,533.89	15.95	86.77	108.85	-938.28	-2,922.38	3,262.08	3,159.67	102.41	31.854	
2,800.00	2,624.97	2,622.97	2,622.97	16.68	89.88	109.53	-938.28	-2,922.38	3,278.62	3,172.42	106.20	30.872	
2,900.00	2,714.05	2,712.05	2,712.05	17.42	92.99	110.21	-938.28	-2,922.38	3,295.71	3,185.72	109.99	29.963	
3,000.00	2,803.12	2,801.12	2,801.12	18.16	96.10	110.88	-938.28	-2,922.38	3,313.33	3,199.55	113.78	29.120	
3,100.00	2,892.20	2,909.80	2,890.20	18.90	99.89	111.54	-938.28	-2,922.38	3,331.48	3,213.22	118.26	28.172	
3,200.00	2,981.28	2,979.28	2,979.28	19.65	102.31	112.19	-938.28	-2,922.38	3,350.15	3,228.79	121.36	27.605	
3,300.00	3,070.36	3,068.36	3,068.36	20.40	105.42	112.84	-938.28	-2,922.38	3,369.32	3,244.18	125.14	26.924	
3,400.00	3,159.43	3,157.43	3,157.43	21.14	108.53	113.49	-938.28	-2,922.38	3,389.00	3,260.07	128.93	26.286	
3,500.00	3,248.51	3,246.51	3,246.51	21.89	111.64	114.12	-938.28	-2,922.38	3,409.17	3,276.46	132.70	25.690	
3,600.00	3,337.59	3,335.59	3,335.59	22.65	114.75	114.76	-938.28	-2,922.38	3,429.82	3,293.34	136.48	25.130	
3,700.00	3,426.66	3,424.66	3,424.66	23.40	117.86	115.38	-938.28	-2,922.38	3,450.95	3,310.70	140.25	24.605	
3,800.00	3,515.74	3,513.74	3,513.74	24.15	120.96	116.00	-938.28	-2,922.38	3,472.54	3,328.52	144.02	24.111	
3,900.00	3,604.82	3,602.82	3,602.82	24.91	124.07	116.61	-938.28	-2,922.38	3,494.60	3,346.81	147.79	23.646	
4,000.00	3,693.89	3,708.11	3,691.89	25.66	127.75	117.22	-938.28	-2,922.38	3,517.10	3,364.98	152.12	23.121	
4,100.00	3,782.97	3,780.97	3,780.97	26.42	130.29	117.81	-938.28	-2,922.38	3,540.04	3,384.72	155.31	22.793	
4,200.00	3,872.05	3,870.05	3,870.05	27.18	133.40	118.41	-938.28	-2,922.38	3,563.41	3,404.34	159.07	22.401	
4,300.00	3,961.12	3,959.12	3,959.12	27.94	136.51	118.99	-938.28	-2,922.38	3,587.21	3,424.38	162.82	22.031	
4,400.00	4,050.20	4,048.20	4,048.20	28.69	139.62	119.57	-938.28	-2,922.38	3,611.42	3,444.85	166.57	21.681	
4,500.00	4,139.28	4,137.28	4,137.28	29.45	142.72	120.14	-938.28	-2,922.38	3,636.04	3,465.72	170.32	21.348	
4,600.00	4,228.35	4,226.35	4,226.35	30.21	145.83	120.71	-938.28	-2,922.38	3,661.06	3,486.99	174.06	21.033	
4,700.00	4,317.43	4,315.43	4,315.43	30.97	148.94	121.27	-938.28	-2,922.38	3,686.46	3,508.66	177.80	20.734	
4,800.00	4,406.51	4,404.51	4,404.51	31.73	152.05	121.82	-938.28	-2,922.38	3,712.25	3,530.72	181.54	20.449	
4,900.00	4,495.59	4,506.41	4,493.59	32.50	155.61	122.37	-938.28	-2,922.38	3,738.42	3,552.70	185.71	20.130	
5,000.00	4,584.66	4,582.66	4,582.66	33.26	158.27	122.91	-938.28	-2,922.38	3,764.95	3,575.95	189.00	19.921	

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

Offset Design Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,671.74	4,671.74	34.02	161.38	123.44	-938.28	-2,922.38	3,791.84	3,599.12	192.72	19.675	
5,200.00	4,762.82	4,760.82	4,760.82	34.78	164.49	123.97	-938.28	-2,922.38	3,819.08	3,622.64	196.44	19.441	
5,300.00	4,851.89	4,849.89	4,849.89	35.54	167.60	124.49	-938.28	-2,922.38	3,846.67	3,646.51	200.16	19.218	
5,400.00	4,940.97	4,938.97	4,938.97	36.31	170.71	125.01	-938.28	-2,922.38	3,874.59	3,670.71	203.88	19.005	
5,500.00	5,030.05	5,028.05	5,028.05	37.07	173.81	125.51	-938.28	-2,922.38	3,902.84	3,695.25	207.59	18.801	
5,600.00	5,119.12	5,117.12	5,117.12	37.83	176.92	126.01	-938.28	-2,922.38	3,931.42	3,720.12	211.30	18.606	
5,700.00	5,208.20	5,206.20	5,206.20	38.60	180.03	126.51	-938.28	-2,922.38	3,960.31	3,745.30	215.01	18.420	
5,800.00	5,297.28	5,304.72	5,295.28	39.36	183.47	127.00	-938.28	-2,922.38	3,989.51	3,770.47	219.04	18.214	
5,900.00	5,386.35	5,384.35	5,384.35	40.13	186.25	127.48	-938.28	-2,922.38	4,019.01	3,796.60	222.41	18.070	
6,000.00	5,475.43	5,473.43	5,473.43	40.89	189.36	127.96	-938.28	-2,922.38	4,048.80	3,822.69	226.11	17.907	
6,100.00	5,564.51	5,562.51	5,562.51	41.66	192.47	128.43	-938.28	-2,922.38	4,078.88	3,849.08	229.80	17.750	
6,200.00	5,653.58	5,651.58	5,651.58	42.42	195.58	128.89	-938.28	-2,922.38	4,109.25	3,875.76	233.49	17.599	
6,300.00	5,742.66	5,740.66	5,740.66	43.19	198.69	129.35	-938.28	-2,922.38	4,139.89	3,902.71	237.18	17.454	
6,400.00	5,831.74	5,829.74	5,829.74	43.95	201.80	129.80	-938.28	-2,922.38	4,170.81	3,929.93	240.87	17.315	
6,500.00	5,920.82	5,918.82	5,918.82	44.72	204.91	130.25	-938.28	-2,922.38	4,201.98	3,957.42	244.56	17.182	
6,600.00	6,009.89	6,007.89	6,007.89	45.48	208.02	130.69	-938.28	-2,922.38	4,233.42	3,985.18	248.24	17.054	
6,700.00	6,098.97	6,103.03	6,096.97	46.25	211.34	131.12	-938.28	-2,922.38	4,265.10	4,012.97	252.13	16.916	
6,800.00	6,188.05	6,186.05	6,186.05	47.01	214.23	131.55	-938.28	-2,922.38	4,297.04	4,041.44	255.60	16.812	
6,900.00	6,277.12	6,275.12	6,275.12	47.78	217.34	131.98	-938.28	-2,922.38	4,329.21	4,069.94	259.27	16.697	
7,000.00	6,366.20	6,364.20	6,364.20	48.55	220.45	132.40	-938.28	-2,922.38	4,361.63	4,098.68	262.95	16.587	
7,100.00	6,455.28	6,453.28	6,453.28	49.31	223.56	132.81	-938.28	-2,922.38	4,394.27	4,127.65	266.62	16.481	
7,197.64	6,542.25	6,540.25	6,540.25	50.06	226.60	133.21	-938.28	-2,922.38	4,426.36	4,156.16	270.20	16.382	
7,200.00	6,544.35	6,542.35	6,542.35	50.08	226.67	132.80	-938.28	-2,922.38	4,427.13	4,156.85	270.29	16.379	
7,250.00	6,589.22	6,587.22	6,587.22	50.44	228.24	123.84	-938.28	-2,922.38	4,441.74	4,169.61	272.13	16.322	
7,300.00	6,634.48	6,632.48	6,632.48	50.77	229.82	114.25	-938.28	-2,922.38	4,452.85	4,178.88	273.96	16.254	
7,350.00	6,679.86	6,677.86	6,677.86	51.06	231.40	104.53	-938.28	-2,922.38	4,460.41	4,184.63	275.78	16.174	
7,400.00	6,725.09	6,723.09	6,723.09	51.31	232.98	95.27	-938.28	-2,922.38	4,464.41	4,186.85	277.56	16.084	
7,450.00	6,769.87	6,767.87	6,767.87	51.52	234.54	86.96	-938.28	-2,922.38	4,464.83	4,185.54	279.29	15.986	
7,500.00	6,813.94	6,811.94	6,811.94	51.69	236.08	79.86	-938.28	-2,922.38	4,461.69	4,180.73	280.96	15.880	
7,550.00	6,857.03	6,855.03	6,855.03	51.84	237.59	74.02	-938.28	-2,922.38	4,455.03	4,172.48	282.55	15.767	
7,600.00	6,898.86	6,903.14	6,896.86	51.95	239.27	69.37	-938.28	-2,922.38	4,444.90	4,160.62	284.28	15.636	
7,650.00	6,939.19	6,937.19	6,937.19	52.05	240.45	65.79	-938.28	-2,922.38	4,431.39	4,145.91	285.48	15.523	
7,700.00	6,977.75	6,975.75	6,975.75	52.13	241.80	63.12	-938.28	-2,922.38	4,414.58	4,127.78	286.80	15.392	
7,750.00	7,014.32	7,012.32	7,012.32	52.20	243.08	61.26	-938.28	-2,922.38	4,394.60	4,106.57	288.03	15.258	
7,800.00	7,048.67	7,046.67	7,046.67	52.26	244.28	60.13	-938.28	-2,922.38	4,371.58	4,082.43	289.15	15.119	
7,850.00	7,080.59	7,078.59	7,078.59	52.33	245.39	59.65	-938.28	-2,922.38	4,345.66	4,055.49	290.17	14.976	
7,900.00	7,109.87	7,107.87	7,107.87	52.39	246.41	59.80	-938.28	-2,922.38	4,317.03	4,025.94	291.08	14.831	
7,950.00	7,136.35	7,134.35	7,134.35	52.47	247.34	60.56	-938.28	-2,922.38	4,285.84	3,993.95	291.89	14.683	
8,000.00	7,159.85	7,157.85	7,157.85	52.55	248.16	61.96	-938.28	-2,922.38	4,252.30	3,959.70	292.60	14.533	
8,050.00	7,180.23	7,178.23	7,178.23	52.64	248.87	64.03	-938.28	-2,922.38	4,216.61	3,923.42	293.20	14.382	
8,100.00	7,197.37	7,204.63	7,195.37	52.75	249.79	66.83	-938.28	-2,922.38	4,178.99	3,884.97	294.02	14.214	
8,150.00	7,211.16	7,209.16	7,209.16	52.88	249.95	70.44	-938.28	-2,922.38	4,139.65	3,845.56	294.09	14.076	
8,200.00	7,221.51	7,219.51	7,219.51	53.03	250.31	74.94	-938.28	-2,922.38	4,098.83	3,804.45	294.38	13.924	
8,250.00	7,228.37	7,226.37	7,226.37	53.20	250.55	80.41	-938.28	-2,922.38	4,056.77	3,762.20	294.57	13.772	
8,300.00	7,231.68	7,229.68	7,229.68	53.40	250.66	86.90	-938.28	-2,922.38	4,013.70	3,719.04	294.66	13.621	
8,317.45	7,232.00	7,230.00	7,230.00	53.47	250.68	89.40	-938.28	-2,922.38	3,998.48	3,703.81	294.67	13.569	
8,400.00	7,232.48	7,230.48	7,230.48	53.86	250.69	89.41	-938.28	-2,922.38	3,926.49	3,631.78	294.70	13.324	
8,500.00	7,233.06	7,231.06	7,231.06	54.44	250.71	89.43	-938.28	-2,922.38	3,839.84	3,545.03	294.80	13.025	
8,600.00	7,233.64	7,231.64	7,231.64	55.14	250.73	89.45	-938.28	-2,922.38	3,753.85	3,458.87	294.98	12.726	
8,700.00	7,234.22	7,232.22	7,232.22	55.99	250.75	89.47	-938.28	-2,922.38	3,668.58	3,373.34	295.24	12.426	
8,800.00	7,234.80	7,232.80	7,232.80	57.00	250.77	89.48	-938.28	-2,922.38	3,584.06	3,288.47	295.60	12.125	
8,900.00	7,235.39	7,233.39	7,233.39	58.18	250.79	89.50	-938.28	-2,922.38	3,500.37	3,204.31	296.06	11.823	

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

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

Offset Design Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,233.97	7,233.97	59.53	250.81	89.52	-938.28	-2,922.38	3,417.54	3,120.91	296.64	11.521	
9,100.00	7,236.55	7,234.55	7,234.55	61.04	250.83	89.53	-938.28	-2,922.38	3,335.67	3,038.32	297.35	11.218	
9,200.00	7,237.13	7,235.13	7,235.13	62.69	250.85	89.55	-938.28	-2,922.38	3,254.80	2,956.60	298.20	10.915	
9,300.00	7,237.71	7,235.71	7,235.71	64.47	250.88	89.57	-938.28	-2,922.38	3,175.02	2,875.83	299.19	10.612	
9,400.00	7,238.29	7,236.29	7,236.29	66.36	250.90	89.59	-938.28	-2,922.38	3,096.42	2,796.07	300.35	10.309	
9,500.00	7,238.87	7,236.87	7,236.87	68.34	250.92	89.60	-938.28	-2,922.38	3,019.08	2,717.40	301.69	10.007	
9,600.00	7,239.45	7,237.45	7,237.45	70.41	250.94	89.62	-938.28	-2,922.38	2,943.11	2,639.91	303.20	9.707	
9,700.00	7,240.03	7,238.03	7,238.03	72.55	250.96	89.64	-938.28	-2,922.38	2,868.62	2,563.71	304.90	9.408	
9,800.00	7,240.61	7,238.61	7,238.61	74.76	250.98	89.65	-938.28	-2,922.38	2,795.71	2,488.91	306.81	9.112	
9,900.00	7,241.20	7,239.20	7,239.20	77.02	251.00	89.67	-938.28	-2,922.38	2,724.53	2,415.62	308.91	8.820	
10,000.00	7,241.78	7,239.78	7,239.78	79.33	251.02	89.69	-938.28	-2,922.38	2,655.20	2,343.98	311.23	8.531	
10,100.00	7,242.36	7,240.36	7,240.36	81.68	251.04	89.71	-938.28	-2,922.38	2,587.89	2,274.13	313.75	8.248	
10,200.00	7,242.94	7,240.94	7,240.94	84.07	251.06	89.72	-938.28	-2,922.38	2,522.74	2,206.25	316.49	7.971	
10,300.00	7,243.52	7,241.52	7,241.52	86.49	251.08	89.74	-938.28	-2,922.38	2,459.93	2,140.49	319.44	7.701	
10,400.00	7,244.10	7,242.10	7,242.10	88.95	251.10	89.76	-938.28	-2,922.38	2,399.64	2,077.05	322.59	7.439	
10,500.00	7,244.68	7,242.68	7,242.68	91.43	251.12	89.77	-938.28	-2,922.38	2,342.08	2,016.14	325.94	7.186	
10,600.00	7,245.26	7,243.26	7,243.26	93.93	251.14	89.79	-938.28	-2,922.38	2,287.44	1,957.96	329.47	6.943	
10,700.00	7,245.84	7,243.84	7,243.84	96.46	251.16	89.81	-938.28	-2,922.38	2,235.94	1,902.76	333.18	6.711	
10,800.00	7,246.42	7,244.42	7,244.42	99.01	251.18	89.83	-938.28	-2,922.38	2,187.80	1,850.76	337.03	6.491	
10,900.00	7,247.01	7,245.01	7,245.01	101.58	251.20	89.84	-938.28	-2,922.38	2,143.24	1,802.23	341.01	6.285	
11,000.00	7,247.59	7,245.59	7,245.59	104.16	251.22	89.86	-938.28	-2,922.38	2,102.51	1,757.42	345.08	6.093	
11,100.00	7,248.17	7,246.17	7,246.17	106.76	251.24	89.88	-938.28	-2,922.38	2,065.81	1,716.59	349.22	5.916	
11,200.00	7,248.75	7,246.75	7,246.75	109.37	251.26	89.89	-938.28	-2,922.38	2,033.37	1,680.00	353.37	5.754	
11,300.00	7,249.33	7,247.33	7,247.33	112.00	251.28	89.91	-938.28	-2,922.38	2,005.40	1,647.90	357.50	5.610	
11,400.00	7,249.91	7,247.91	7,247.91	114.64	251.30	89.93	-938.28	-2,922.38	1,982.09	1,620.52	361.57	5.482	
11,500.00	7,250.49	7,248.49	7,248.49	117.29	251.32	89.95	-938.28	-2,922.38	1,963.60	1,598.08	365.52	5.372	
11,600.00	7,251.07	7,249.07	7,249.07	119.95	251.34	89.96	-938.28	-2,922.38	1,950.06	1,580.76	369.31	5.280	
11,700.00	7,251.65	7,249.65	7,249.65	122.62	251.36	89.98	-938.28	-2,922.38	1,941.59	1,568.70	372.90	5.207	
11,800.00	7,252.23	7,250.23	7,250.23	125.30	251.38	90.00	-938.28	-2,922.38	1,938.25	1,562.01	376.24	5.152	
11,814.83	7,252.32	7,250.32	7,250.32	125.70	251.39	90.00	-938.28	-2,922.38	1,938.19	1,561.48	376.72	5.145 CC	
11,900.00	7,252.82	7,250.82	7,250.82	127.98	251.40	90.01	-938.28	-2,922.38	1,940.06	1,560.75	379.32	5.115 ES	
12,000.00	7,253.40	7,251.40	7,251.40	130.68	251.42	90.03	-938.28	-2,922.38	1,947.02	1,564.93	382.08	5.096	
12,100.00	7,253.98	7,251.98	7,251.98	133.38	251.44	90.05	-938.28	-2,922.38	1,959.06	1,574.53	384.53	5.095 SF	
12,200.00	7,254.56	7,252.56	7,252.56	136.09	251.46	90.07	-938.28	-2,922.38	1,976.09	1,589.44	386.65	5.111	
12,300.00	7,255.14	7,253.14	7,253.14	138.81	251.48	90.08	-938.28	-2,922.38	1,997.99	1,609.55	388.44	5.144	
12,400.00	7,255.72	7,253.72	7,253.72	141.53	251.50	90.10	-938.28	-2,922.38	2,024.60	1,634.69	389.91	5.193	
12,500.00	7,256.30	7,254.30	7,254.30	144.26	251.52	90.12	-938.28	-2,922.38	2,055.73	1,664.67	391.06	5.257	
12,600.00	7,256.88	7,254.88	7,254.88	146.99	251.54	90.13	-938.28	-2,922.38	2,091.19	1,699.27	391.92	5.336	
12,700.00	7,257.46	7,255.46	7,255.46	149.73	251.56	90.15	-938.28	-2,922.38	2,130.75	1,738.24	392.51	5.429	
12,800.00	7,258.04	7,256.04	7,256.04	152.47	251.58	90.17	-938.28	-2,922.38	2,174.19	1,781.35	392.85	5.534	
12,900.00	7,258.63	7,256.63	7,256.63	155.22	251.61	90.19	-938.28	-2,922.38	2,221.29	1,828.33	392.97	5.653	
13,000.00	7,259.21	7,257.21	7,257.21	157.97	251.63	90.20	-938.28	-2,922.38	2,271.82	1,878.93	392.89	5.782	
13,100.00	7,259.79	7,257.79	7,257.79	160.72	251.65	90.22	-938.28	-2,922.38	2,325.55	1,932.91	392.64	5.923	
13,200.00	7,260.37	7,258.37	7,258.37	163.48	251.67	90.24	-938.28	-2,922.38	2,382.27	1,990.02	392.25	6.073	
13,300.00	7,260.95	7,258.95	7,258.95	166.24	251.69	90.26	-938.28	-2,922.38	2,441.77	2,050.04	391.73	6.233	
13,400.00	7,261.53	7,259.53	7,259.53	169.01	251.71	90.27	-938.28	-2,922.38	2,503.85	2,112.74	391.12	6.402	
13,480.77	7,262.00	7,260.00	7,260.00	171.24	251.72	90.29	-938.28	-2,922.38	2,555.75	2,165.20	390.55	6.544	

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

Offset Design Falken 9-11 PAD - MONTERA I #14-8 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-176.80	-3,818.65	-213.61	3,824.68				
100.00	100.00	78.00	78.00	3.28	3.55	-176.80	-3,818.65	-213.61	3,824.62	3,817.79	6.84	559.477	
200.00	200.00	178.00	178.00	3.34	5.54	-176.80	-3,818.65	-213.61	3,824.62	3,815.74	8.88	430.695	
300.00	300.00	278.00	278.00	3.44	8.61	-176.80	-3,818.65	-213.61	3,824.62	3,812.57	12.05	317.298	
400.00	399.98	377.98	377.98	3.60	11.91	28.11	-3,818.65	-213.61	3,823.08	3,807.58	15.51	246.546	
500.00	499.84	477.84	477.84	3.79	15.29	28.19	-3,818.65	-213.61	3,818.47	3,799.39	19.08	200.132	
600.00	599.45	577.45	577.45	4.02	18.70	28.32	-3,818.65	-213.61	3,810.78	3,788.06	22.72	167.693	
700.00	698.70	676.70	676.70	4.29	22.12	28.51	-3,818.65	-213.61	3,800.05	3,773.63	26.41	143.867	
800.00	797.47	775.47	775.47	4.59	25.54	28.76	-3,818.65	-213.61	3,786.28	3,756.15	30.13	125.668	
900.00	895.62	873.62	873.62	4.93	28.94	29.06	-3,818.65	-213.61	3,769.50	3,735.64	33.86	111.330	
1,000.00	993.06	971.06	971.06	5.31	32.32	29.43	-3,818.65	-213.61	3,749.76	3,712.16	37.59	99.745	
1,100.00	1,089.64	1,067.64	1,067.64	5.72	35.68	29.85	-3,818.65	-213.61	3,727.07	3,685.75	41.32	90.191	
1,200.00	1,185.27	1,163.27	1,163.27	6.16	39.00	30.34	-3,818.65	-213.61	3,701.50	3,656.46	45.05	82.172	
1,300.00	1,279.82	1,257.82	1,257.82	6.64	42.29	30.90	-3,818.65	-213.61	3,673.09	3,624.34	48.75	75.343	
1,400.00	1,373.17	1,351.17	1,351.17	7.15	45.54	31.52	-3,818.65	-213.61	3,641.90	3,589.46	52.44	69.453	
1,500.00	1,465.21	1,443.21	1,443.21	7.70	48.75	32.22	-3,818.65	-213.61	3,607.99	3,551.89	56.10	64.316	
1,600.00	1,555.84	1,533.84	1,533.84	8.30	51.90	33.00	-3,818.65	-213.61	3,571.43	3,511.70	59.73	59.793	
1,651.50	1,601.92	1,579.92	1,579.92	8.62	53.51	33.43	-3,818.65	-213.61	3,551.59	3,490.00	61.59	57.665	
1,700.00	1,645.13	1,623.13	1,623.13	8.93	55.02	33.62	-3,818.65	-213.61	3,532.61	3,469.28	63.33	55.777	
1,800.00	1,734.20	1,712.20	1,712.20	9.58	58.12	34.02	-3,818.65	-213.61	3,493.59	3,426.65	66.94	52.190	
1,900.00	1,823.28	1,801.28	1,801.28	10.25	61.23	34.43	-3,818.65	-213.61	3,454.72	3,384.16	70.56	48.961	
2,000.00	1,912.36	1,909.64	1,890.36	10.94	65.00	34.85	-3,818.65	-213.61	3,416.01	3,341.15	74.87	45.628	
2,100.00	2,001.43	1,979.43	1,979.43	11.63	67.44	35.27	-3,818.65	-213.61	3,377.48	3,299.64	77.84	43.390	
2,200.00	2,090.51	2,068.51	2,068.51	12.34	70.54	35.71	-3,818.65	-213.61	3,339.11	3,257.62	81.50	40.972	
2,300.00	2,179.59	2,157.59	2,157.59	13.05	73.65	36.15	-3,818.65	-213.61	3,300.93	3,215.77	85.17	38.759	
2,400.00	2,268.66	2,246.66	2,246.66	13.76	76.76	36.60	-3,818.65	-213.61	3,262.93	3,174.09	88.84	36.727	
2,500.00	2,357.74	2,335.74	2,335.74	14.49	79.86	37.06	-3,818.65	-213.61	3,225.13	3,132.60	92.53	34.856	
2,600.00	2,446.82	2,424.82	2,424.82	15.21	82.97	37.54	-3,818.65	-213.61	3,187.53	3,091.30	96.22	33.127	
2,700.00	2,535.89	2,513.89	2,513.89	15.95	86.08	38.02	-3,818.65	-213.61	3,150.13	3,050.20	99.93	31.525	
2,800.00	2,624.97	2,602.97	2,602.97	16.68	89.18	38.52	-3,818.65	-213.61	3,112.94	3,009.31	103.64	30.037	
2,900.00	2,714.05	2,707.95	2,692.05	17.42	92.85	39.02	-3,818.65	-213.61	3,075.98	2,968.07	107.91	28.505	
3,000.00	2,803.12	2,781.12	2,781.12	18.16	95.40	39.54	-3,818.65	-213.61	3,039.25	2,928.17	111.08	27.361	
3,100.00	2,892.20	2,870.20	2,870.20	18.90	98.51	40.06	-3,818.65	-213.61	3,002.76	2,887.94	114.81	26.153	
3,200.00	2,981.28	2,959.28	2,959.28	19.65	101.62	40.60	-3,818.65	-213.61	2,966.51	2,847.96	118.55	25.022	
3,300.00	3,070.36	3,048.36	3,048.36	20.40	104.72	41.16	-3,818.65	-213.61	2,930.52	2,808.22	122.30	23.961	
3,400.00	3,159.43	3,137.43	3,137.43	21.14	107.83	41.72	-3,818.65	-213.61	2,894.80	2,768.74	126.06	22.964	
3,500.00	3,248.51	3,226.51	3,226.51	21.89	110.94	42.30	-3,818.65	-213.61	2,859.35	2,729.53	129.82	22.025	
3,600.00	3,337.59	3,315.59	3,315.59	22.65	114.05	42.89	-3,818.65	-213.61	2,824.19	2,690.59	133.59	21.140	
3,700.00	3,426.66	3,404.66	3,404.66	23.40	117.16	43.49	-3,818.65	-213.61	2,789.32	2,651.95	137.37	20.305	
3,800.00	3,515.74	3,506.26	3,493.74	24.15	120.70	44.11	-3,818.65	-213.61	2,754.77	2,613.17	141.60	19.455	
3,900.00	3,604.82	3,582.82	3,582.82	24.91	123.37	44.74	-3,818.65	-213.61	2,720.53	2,575.58	144.96	18.768	
4,000.00	3,693.89	3,671.89	3,671.89	25.66	126.48	45.39	-3,818.65	-213.61	2,686.63	2,537.87	148.76	18.060	
4,100.00	3,782.97	3,760.97	3,760.97	26.42	129.59	46.05	-3,818.65	-213.61	2,653.07	2,500.51	152.57	17.389	
4,200.00	3,872.05	3,850.05	3,850.05	27.18	132.70	46.72	-3,818.65	-213.61	2,619.88	2,463.49	156.39	16.752	
4,300.00	3,961.12	3,939.12	3,939.12	27.94	135.81	47.41	-3,818.65	-213.61	2,587.05	2,426.83	160.22	16.147	
4,400.00	4,050.20	4,028.20	4,028.20	28.69	138.92	48.12	-3,818.65	-213.61	2,554.61	2,390.56	164.05	15.572	
4,500.00	4,139.28	4,117.28	4,117.28	29.45	142.03	48.84	-3,818.65	-213.61	2,522.57	2,354.67	167.90	15.024	
4,600.00	4,228.35	4,206.35	4,206.35	30.21	145.14	49.58	-3,818.65	-213.61	2,490.95	2,319.20	171.75	14.503	
4,700.00	4,317.43	4,304.57	4,295.43	30.97	148.56	50.33	-3,818.65	-213.61	2,459.76	2,283.83	175.94	13.981	
4,800.00	4,406.51	4,384.51	4,384.51	31.73	151.35	51.10	-3,818.65	-213.61	2,429.02	2,249.53	179.49	13.533	
4,900.00	4,495.59	4,473.59	4,473.59	32.50	154.46	51.89	-3,818.65	-213.61	2,398.75	2,215.38	183.37	13.081	
5,000.00	4,584.66	4,562.66	4,562.66	33.26	157.57	52.70	-3,818.65	-213.61	2,368.97	2,181.70	187.26	12.650	

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

Offset Design Falken 9-11 PAD - MONTERA I #14-8 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,651.74	4,651.74	34.02	160.68	53.52	-3,818.65	-213.61	2,339.68	2,148.52	191.16	12.239	
5,200.00	4,762.82	4,740.82	4,740.82	34.78	163.79	54.37	-3,818.65	-213.61	2,310.92	2,115.85	195.07	11.846	
5,300.00	4,851.89	4,829.89	4,829.89	35.54	166.90	55.23	-3,818.65	-213.61	2,282.71	2,083.71	198.99	11.471	
5,400.00	4,940.97	4,918.97	4,918.97	36.31	170.01	56.10	-3,818.65	-213.61	2,255.05	2,052.13	202.92	11.113	
5,500.00	5,030.05	5,008.05	5,008.05	37.07	173.12	57.00	-3,818.65	-213.61	2,227.98	2,021.12	206.86	10.770	
5,600.00	5,119.12	5,102.88	5,097.12	37.83	176.43	57.92	-3,818.65	-213.61	2,201.52	1,990.51	211.01	10.433	
5,700.00	5,208.20	5,186.20	5,186.20	38.60	179.34	58.85	-3,818.65	-213.61	2,175.68	1,960.91	214.77	10.130	
5,800.00	5,297.28	5,275.28	5,275.28	39.36	182.44	59.80	-3,818.65	-213.61	2,150.49	1,931.76	218.73	9.832	
5,900.00	5,386.35	5,364.35	5,364.35	40.13	185.55	60.78	-3,818.65	-213.61	2,125.98	1,903.27	222.70	9.546	
6,000.00	5,475.43	5,453.43	5,453.43	40.89	188.66	61.77	-3,818.65	-213.61	2,102.16	1,875.47	226.69	9.273	
6,100.00	5,564.51	5,542.51	5,542.51	41.66	191.77	62.78	-3,818.65	-213.61	2,079.06	1,848.39	230.68	9.013	
6,200.00	5,653.58	5,631.58	5,631.58	42.42	194.88	63.80	-3,818.65	-213.61	2,056.71	1,822.04	234.67	8.764	
6,300.00	5,742.66	5,720.66	5,720.66	43.19	197.99	64.85	-3,818.65	-213.61	2,035.13	1,796.45	238.68	8.527	
6,400.00	5,831.74	5,809.74	5,809.74	43.95	201.10	65.92	-3,818.65	-213.61	2,014.34	1,771.65	242.69	8.300	
6,500.00	5,920.82	5,901.18	5,898.82	44.72	204.29	67.00	-3,818.65	-213.61	1,994.37	1,747.59	246.78	8.081	
6,600.00	6,009.89	5,987.89	5,987.89	45.48	207.32	68.10	-3,818.65	-213.61	1,975.25	1,724.52	250.72	7.878	
6,700.00	6,098.97	6,076.97	6,076.97	46.25	210.43	69.22	-3,818.65	-213.61	1,956.99	1,702.24	254.74	7.682	
6,800.00	6,188.05	6,166.05	6,166.05	47.01	213.54	70.35	-3,818.65	-213.61	1,939.62	1,680.85	258.77	7.496	
6,900.00	6,277.12	6,255.12	6,255.12	47.78	216.65	71.50	-3,818.65	-213.61	1,923.18	1,660.38	262.80	7.318	
7,000.00	6,366.20	6,344.20	6,344.20	48.55	219.76	72.67	-3,818.65	-213.61	1,907.67	1,640.85	266.83	7.150	
7,100.00	6,455.28	6,433.28	6,433.28	49.31	222.86	73.85	-3,818.65	-213.61	1,893.13	1,622.28	270.85	6.990	
7,197.64	6,542.25	6,520.25	6,520.25	50.06	225.90	75.02	-3,818.65	-213.61	1,879.89	1,605.10	274.78	6.841	
7,200.00	6,544.35	6,522.35	6,522.35	50.08	225.97	74.64	-3,818.65	-213.61	1,879.57	1,604.70	274.88	6.838	
7,250.00	6,589.22	6,567.22	6,567.22	50.44	227.54	66.08	-3,818.65	-213.61	1,871.48	1,594.61	276.88	6.759	
7,300.00	6,634.48	6,612.48	6,612.48	50.77	229.12	56.53	-3,818.65	-213.61	1,860.54	1,581.70	278.84	6.672	
7,350.00	6,679.86	6,657.86	6,657.86	51.06	230.70	46.50	-3,818.65	-213.61	1,846.73	1,565.98	280.75	6.578	
7,400.00	6,725.09	6,703.09	6,703.09	51.31	232.28	36.55	-3,818.65	-213.61	1,830.10	1,547.49	282.62	6.476	
7,450.00	6,769.87	6,747.87	6,747.87	51.52	233.85	27.16	-3,818.65	-213.61	1,810.68	1,526.27	284.42	6.366	
7,500.00	6,813.94	6,808.06	6,791.94	51.69	235.95	18.56	-3,818.65	-213.61	1,788.56	1,501.84	286.71	6.238	
7,550.00	6,857.03	6,835.03	6,835.03	51.84	236.89	10.74	-3,818.65	-213.61	1,763.82	1,476.01	287.82	6.128	
7,600.00	6,898.86	6,876.86	6,876.86	51.95	238.35	3.59	-3,818.65	-213.61	1,736.61	1,447.19	289.42	6.000	
7,650.00	6,939.19	6,917.19	6,917.19	52.05	239.76	-3.10	-3,818.65	-213.61	1,707.07	1,416.13	290.94	5.867	
7,700.00	6,977.75	6,955.75	6,955.75	52.13	241.10	-9.55	-3,818.65	-213.61	1,675.38	1,383.00	292.38	5.730	
7,750.00	7,014.32	7,007.68	6,992.32	52.20	242.92	-15.95	-3,818.65	-213.61	1,641.76	1,347.48	294.28	5.579	
7,800.00	7,048.67	7,026.67	7,026.67	52.26	243.58	-22.47	-3,818.65	-213.61	1,606.44	1,311.42	295.03	5.445	
7,850.00	7,080.59	7,058.59	7,058.59	52.33	244.69	-29.25	-3,818.65	-213.61	1,569.69	1,273.47	296.22	5.299	
7,900.00	7,109.87	7,087.87	7,087.87	52.39	245.71	-36.37	-3,818.65	-213.61	1,531.79	1,234.47	297.32	5.152	
7,950.00	7,136.35	7,114.35	7,114.35	52.47	246.64	-43.79	-3,818.65	-213.61	1,493.06	1,194.73	298.32	5.005	
8,000.00	7,159.85	7,137.85	7,137.85	52.55	247.46	-51.41	-3,818.65	-213.61	1,453.83	1,154.60	299.23	4.859	
8,050.00	7,180.23	7,158.23	7,158.23	52.64	248.17	-59.01	-3,818.65	-213.61	1,414.48	1,114.45	300.03	4.714	
8,100.00	7,197.37	7,175.37	7,175.37	52.75	248.77	-66.32	-3,818.65	-213.61	1,375.38	1,074.65	300.74	4.573	
8,150.00	7,211.16	7,189.16	7,189.16	52.88	249.25	-73.09	-3,818.65	-213.61	1,336.94	1,035.61	301.33	4.437	
8,200.00	7,221.51	7,200.49	7,199.51	53.03	249.65	-79.10	-3,818.65	-213.61	1,299.57	997.71	301.86	4.305	
8,250.00	7,228.37	7,206.37	7,206.37	53.20	249.85	-84.24	-3,818.65	-213.61	1,263.68	961.47	302.21	4.181	
8,300.00	7,231.68	7,209.68	7,209.68	53.40	249.97	-88.46	-3,818.65	-213.61	1,229.70	927.22	302.49	4.065	
8,317.45	7,232.00	7,210.00	7,210.00	53.47	249.98	-89.72	-3,818.65	-213.61	1,218.36	915.81	302.56	4.027	
8,400.00	7,232.48	7,210.48	7,210.48	53.86	249.99	-89.75	-3,818.65	-213.61	1,167.17	864.28	302.89	3.853	
8,500.00	7,233.06	7,211.06	7,211.06	54.44	250.01	-89.79	-3,818.65	-213.61	1,110.22	806.82	303.40	3.659	
8,600.00	7,233.64	7,211.64	7,211.64	55.14	250.03	-89.82	-3,818.65	-213.61	1,059.67	755.66	304.01	3.486	
8,700.00	7,234.22	7,212.22	7,212.22	55.99	250.06	-89.86	-3,818.65	-213.61	1,016.46	711.73	304.73	3.336	
8,800.00	7,234.80	7,212.80	7,212.80	57.00	250.08	-89.89	-3,818.65	-213.61	981.58	676.04	305.54	3.213	
8,900.00	7,235.39	7,213.39	7,213.39	58.18	250.10	-89.93	-3,818.65	-213.61	955.93	649.52	306.41	3.120	

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

Offset Design Falken 9-11 PAD - MONTERA I #14-8 - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,213.97	7,213.97	59.53	250.12	-89.96	-3,818.65	-213.61	940.27	632.98	307.29	3.060	
9,098.50	7,236.54	7,214.54	7,214.54	61.02	250.14	-90.00	-3,818.65	-213.61	935.09	626.98	308.11	3.035	CC
9,100.00	7,236.55	7,214.55	7,214.55	61.04	250.14	-90.00	-3,818.65	-213.61	935.09	626.97	308.12	3.035	ES, SF
9,200.00	7,237.13	7,215.13	7,215.13	62.69	250.16	-90.04	-3,818.65	-213.61	940.58	631.72	308.86	3.045	
9,300.00	7,237.71	7,215.71	7,215.71	64.47	250.18	-90.07	-3,818.65	-213.61	956.55	647.09	309.46	3.091	
9,400.00	7,238.29	7,216.29	7,216.29	66.36	250.20	-90.11	-3,818.65	-213.61	982.49	672.58	309.91	3.170	
9,500.00	7,238.87	7,216.87	7,216.87	68.34	250.22	-90.14	-3,818.65	-213.61	1,017.64	707.44	310.20	3.281	
9,600.00	7,239.45	7,217.45	7,217.45	70.41	250.24	-90.18	-3,818.65	-213.61	1,061.08	750.73	310.35	3.419	
9,700.00	7,240.03	7,218.03	7,218.03	72.55	250.26	-90.21	-3,818.65	-213.61	1,111.84	801.45	310.39	3.582	
9,800.00	7,240.61	7,218.61	7,218.61	74.76	250.28	-90.25	-3,818.65	-213.61	1,168.96	858.63	310.34	3.767	
9,900.00	7,241.20	7,219.20	7,219.20	77.02	250.30	-90.29	-3,818.65	-213.61	1,231.57	921.34	310.23	3.970	
10,000.00	7,241.78	7,219.78	7,219.78	79.33	250.32	-90.32	-3,818.65	-213.61	1,298.87	988.79	310.08	4.189	
10,100.00	7,242.36	7,220.36	7,220.36	81.68	250.34	-90.36	-3,818.65	-213.61	1,370.17	1,060.26	309.91	4.421	
10,200.00	7,242.94	7,220.94	7,220.94	84.07	250.36	-90.39	-3,818.65	-213.61	1,444.87	1,135.15	309.72	4.665	
10,300.00	7,243.52	7,221.52	7,221.52	86.49	250.38	-90.43	-3,818.65	-213.61	1,522.48	1,212.95	309.53	4.919	
10,400.00	7,244.10	7,222.10	7,222.10	88.95	250.40	-90.46	-3,818.65	-213.61	1,602.57	1,293.22	309.35	5.180	
10,500.00	7,244.68	7,222.68	7,222.68	91.43	250.42	-90.50	-3,818.65	-213.61	1,684.79	1,375.62	309.17	5.449	
10,600.00	7,245.26	7,223.26	7,223.26	93.93	250.44	-90.53	-3,818.65	-213.61	1,768.85	1,459.85	309.00	5.724	
10,700.00	7,245.84	7,223.84	7,223.84	96.46	250.46	-90.57	-3,818.65	-213.61	1,854.48	1,545.64	308.84	6.005	
10,800.00	7,246.42	7,224.42	7,224.42	99.01	250.48	-90.61	-3,818.65	-213.61	1,941.49	1,632.80	308.69	6.289	
10,900.00	7,247.01	7,225.01	7,225.01	101.58	250.50	-90.64	-3,818.65	-213.61	2,029.70	1,721.14	308.56	6.578	
11,000.00	7,247.59	7,225.59	7,225.59	104.16	250.52	-90.68	-3,818.65	-213.61	2,118.95	1,810.52	308.43	6.870	
11,100.00	7,248.17	7,226.17	7,226.17	106.76	250.54	-90.71	-3,818.65	-213.61	2,209.13	1,900.81	308.32	7.165	
11,200.00	7,248.75	7,226.75	7,226.75	109.37	250.56	-90.75	-3,818.65	-213.61	2,300.12	1,991.90	308.21	7.463	
11,300.00	7,249.33	7,227.33	7,227.33	112.00	250.58	-90.78	-3,818.65	-213.61	2,391.82	2,083.71	308.12	7.763	
11,400.00	7,249.91	7,227.91	7,227.91	114.64	250.60	-90.82	-3,818.65	-213.61	2,484.17	2,176.14	308.03	8.065	
11,500.00	7,250.49	7,228.49	7,228.49	117.29	250.62	-90.85	-3,818.65	-213.61	2,577.09	2,269.14	307.95	8.368	
11,600.00	7,251.07	7,229.07	7,229.07	119.95	250.64	-90.89	-3,818.65	-213.61	2,670.52	2,362.64	307.88	8.674	
11,700.00	7,251.65	7,229.65	7,229.65	122.62	250.66	-90.93	-3,818.65	-213.61	2,764.41	2,456.59	307.82	8.981	
11,800.00	7,252.23	7,230.23	7,230.23	125.30	250.68	-90.96	-3,818.65	-213.61	2,858.71	2,550.95	307.76	9.289	
11,900.00	7,252.82	7,230.82	7,230.82	127.98	250.70	-91.00	-3,818.65	-213.61	2,953.39	2,645.68	307.71	9.598	
12,000.00	7,253.40	7,231.40	7,231.40	130.68	250.72	-91.03	-3,818.65	-213.61	3,048.41	2,740.74	307.67	9.908	
12,100.00	7,253.98	7,231.98	7,231.98	133.38	250.74	-91.07	-3,818.65	-213.61	3,143.74	2,836.10	307.63	10.219	
12,200.00	7,254.56	7,232.56	7,232.56	136.09	250.77	-91.10	-3,818.65	-213.61	3,239.35	2,931.75	307.60	10.531	
12,300.00	7,255.14	7,233.14	7,233.14	138.81	250.79	-91.14	-3,818.65	-213.61	3,335.21	3,027.64	307.57	10.844	
12,400.00	7,255.72	7,233.72	7,233.72	141.53	250.81	-91.18	-3,818.65	-213.61	3,431.31	3,123.77	307.55	11.157	
12,500.00	7,256.30	7,234.30	7,234.30	144.26	250.83	-91.21	-3,818.65	-213.61	3,527.63	3,220.10	307.53	11.471	
12,600.00	7,256.88	7,234.88	7,234.88	146.99	250.85	-91.25	-3,818.65	-213.61	3,624.15	3,316.64	307.51	11.785	
12,700.00	7,257.46	7,235.46	7,235.46	149.73	250.87	-91.28	-3,818.65	-213.61	3,720.85	3,413.35	307.50	12.100	
12,800.00	7,258.04	7,236.04	7,236.04	152.47	250.89	-91.32	-3,818.65	-213.61	3,817.72	3,510.23	307.49	12.416	
12,900.00	7,258.63	7,236.63	7,236.63	155.22	250.91	-91.35	-3,818.65	-213.61	3,914.75	3,607.26	307.49	12.731	
13,000.00	7,259.21	7,237.21	7,237.21	157.97	250.93	-91.39	-3,818.65	-213.61	4,011.93	3,704.44	307.49	13.047	
13,100.00	7,259.79	7,237.79	7,237.79	160.72	250.95	-91.42	-3,818.65	-213.61	4,109.24	3,801.75	307.49	13.364	
13,200.00	7,260.37	7,238.37	7,238.37	163.48	250.97	-91.46	-3,818.65	-213.61	4,206.67	3,899.18	307.50	13.680	
13,300.00	7,260.95	7,238.95	7,238.95	166.24	250.99	-91.50	-3,818.65	-213.61	4,304.23	3,996.73	307.50	13.997	
13,400.00	7,261.53	7,239.53	7,239.53	169.01	251.01	-91.53	-3,818.65	-213.61	4,401.89	4,094.38	307.51	14.315	
13,480.77	7,262.00	7,240.00	7,240.00	171.24	251.02	-91.56	-3,818.65	-213.61	4,480.85	4,173.33	307.52	14.571	

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

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

Offset Design Falken 9-11 PAD - OPAL #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	40.00	40.00	3.28	3.35	-69.39	1,649.23	-4,385.06	4,684.95				
100.00	100.00	140.00	140.00	3.28	4.54	-69.39	1,649.23	-4,385.06	4,684.95	4,677.12	7.83	598.584	
200.00	200.00	240.00	240.00	3.34	7.40	-69.39	1,649.23	-4,385.06	4,684.95	4,674.21	10.74	436.352	
300.00	300.00	340.00	340.00	3.44	10.64	-69.39	1,649.23	-4,385.06	4,684.95	4,670.86	14.09	332.575	
400.00	399.98	439.98	439.98	3.60	14.00	135.49	1,649.23	-4,385.06	4,686.19	4,668.59	17.60	266.267	
500.00	499.84	539.84	539.84	3.79	17.41	135.48	1,649.23	-4,385.06	4,689.93	4,668.73	21.20	221.240	
600.00	599.45	639.45	639.45	4.02	20.84	135.47	1,649.23	-4,385.06	4,696.15	4,671.29	24.86	188.930	
700.00	698.70	738.70	738.70	4.29	24.27	135.45	1,649.23	-4,385.06	4,704.87	4,676.32	28.55	164.769	
800.00	797.47	837.47	837.47	4.59	27.69	135.42	1,649.23	-4,385.06	4,716.08	4,683.81	32.28	146.110	
900.00	895.62	935.62	935.62	4.93	31.09	135.39	1,649.23	-4,385.06	4,729.80	4,693.78	36.02	131.323	
1,000.00	993.06	1,033.06	1,033.06	5.31	34.47	135.35	1,649.23	-4,385.06	4,746.01	4,706.25	39.76	119.359	
1,100.00	1,089.64	1,129.64	1,129.64	5.72	37.83	135.30	1,649.23	-4,385.06	4,764.72	4,721.22	43.51	109.512	
1,200.00	1,185.27	1,225.27	1,225.27	6.16	41.16	135.23	1,649.23	-4,385.06	4,785.95	4,738.70	47.25	101.292	
1,300.00	1,279.82	1,319.82	1,319.82	6.64	44.45	135.15	1,649.23	-4,385.06	4,809.68	4,758.70	50.98	94.348	
1,400.00	1,373.17	1,413.17	1,413.17	7.15	47.70	135.06	1,649.23	-4,385.06	4,835.92	4,781.23	54.69	88.422	
1,500.00	1,465.21	1,505.21	1,505.21	7.70	50.91	134.95	1,649.23	-4,385.06	4,864.67	4,806.29	58.38	83.322	
1,600.00	1,555.84	1,604.16	1,595.84	8.30	54.35	134.82	1,649.23	-4,385.06	4,895.93	4,833.59	62.34	78.534	
1,651.50	1,601.92	1,641.92	1,641.92	8.62	55.67	134.74	1,649.23	-4,385.06	4,913.01	4,849.08	63.93	76.849	
1,700.00	1,645.13	1,685.13	1,685.13	8.93	57.18	134.91	1,649.23	-4,385.06	4,929.42	4,863.73	65.69	75.036	
1,800.00	1,734.20	1,774.20	1,774.20	9.58	60.28	135.27	1,649.23	-4,385.06	4,963.40	4,894.07	69.34	71.583	
1,900.00	1,823.28	1,863.28	1,863.28	10.25	63.39	135.61	1,649.23	-4,385.06	4,997.57	4,924.58	72.99	68.466	
2,000.00	1,912.36	1,952.36	1,952.36	10.94	66.49	135.96	1,649.23	-4,385.06	5,031.91	4,955.25	76.66	65.641	
2,100.00	2,001.43	2,041.43	2,041.43	11.63	69.60	136.30	1,649.23	-4,385.06	5,066.43	4,986.10	80.33	63.071	
2,200.00	2,090.51	2,130.51	2,130.51	12.34	72.70	136.63	1,649.23	-4,385.06	5,101.12	5,017.11	84.01	60.723	
2,300.00	2,179.59	2,219.59	2,219.59	13.05	75.81	136.96	1,649.23	-4,385.06	5,135.98	5,048.29	87.69	58.571	
2,400.00	2,268.66	2,308.66	2,308.66	13.76	78.92	137.29	1,649.23	-4,385.06	5,171.00	5,079.63	91.37	56.592	
2,500.00	2,357.74	2,402.26	2,397.74	14.49	82.18	137.61	1,649.23	-4,385.06	5,206.18	5,110.96	95.22	54.677	
2,600.00	2,446.82	2,486.82	2,486.82	15.21	85.13	137.93	1,649.23	-4,385.06	5,241.52	5,142.77	98.75	53.079	
2,700.00	2,535.89	2,575.89	2,575.89	15.95	88.24	138.25	1,649.23	-4,385.06	5,277.02	5,174.58	102.44	51.513	
2,800.00	2,624.97	2,664.97	2,664.97	16.68	91.35	138.56	1,649.23	-4,385.06	5,312.66	5,206.53	106.13	50.056	
2,900.00	2,714.05	2,754.05	2,754.05	17.42	94.46	138.87	1,649.23	-4,385.06	5,348.46	5,238.63	109.83	48.699	
3,000.00	2,803.12	2,843.12	2,843.12	18.16	97.56	139.17	1,649.23	-4,385.06	5,384.40	5,270.88	113.52	47.431	
3,100.00	2,892.20	2,932.20	2,932.20	18.90	100.67	139.47	1,649.23	-4,385.06	5,420.48	5,303.27	117.21	46.244	
3,200.00	2,981.28	3,021.28	3,021.28	19.65	103.78	139.77	1,649.23	-4,385.06	5,456.71	5,335.80	120.91	45.131	
3,300.00	3,070.36	3,110.36	3,110.36	20.40	106.89	140.06	1,649.23	-4,385.06	5,493.07	5,368.47	124.60	44.085	
3,400.00	3,159.43	3,200.57	3,199.43	21.14	110.04	140.35	1,649.23	-4,385.06	5,529.56	5,401.23	128.33	43.087	
3,500.00	3,248.51	3,288.51	3,288.51	21.89	113.10	140.63	1,649.23	-4,385.06	5,566.19	5,434.20	131.99	42.172	
3,600.00	3,337.59	3,377.59	3,377.59	22.65	116.21	140.92	1,649.23	-4,385.06	5,602.95	5,467.27	135.68	41.295	
3,700.00	3,426.66	3,466.66	3,466.66	23.40	119.32	141.20	1,649.23	-4,385.06	5,639.83	5,500.46	139.37	40.466	
3,800.00	3,515.74	3,555.74	3,555.74	24.15	122.43	141.47	1,649.23	-4,385.06	5,676.84	5,533.77	143.06	39.681	
3,900.00	3,604.82	3,644.82	3,644.82	24.91	125.54	141.74	1,649.23	-4,385.06	5,713.97	5,567.21	146.75	38.936	
4,000.00	3,693.89	3,733.89	3,733.89	25.66	128.65	142.01	1,649.23	-4,385.06	5,751.21	5,600.77	150.44	38.229	
4,100.00	3,782.97	3,822.97	3,822.97	26.42	131.76	142.28	1,649.23	-4,385.06	5,788.58	5,634.45	154.13	37.556	
4,200.00	3,872.05	3,912.05	3,912.05	27.18	134.86	142.54	1,649.23	-4,385.06	5,826.06	5,668.24	157.82	36.916	
4,300.00	3,961.12	4,001.12	4,001.12	27.94	137.97	142.80	1,649.23	-4,385.06	5,863.65	5,702.15	161.51	36.306	
4,400.00	4,050.20	4,109.80	4,090.20	28.69	141.77	143.06	1,649.23	-4,385.06	5,901.36	5,735.48	165.88	35.577	
4,500.00	4,139.28	4,179.28	4,179.28	29.45	144.19	143.31	1,649.23	-4,385.06	5,939.17	5,770.29	168.88	35.169	
4,600.00	4,228.35	4,268.35	4,268.35	30.21	147.30	143.56	1,649.23	-4,385.06	5,977.09	5,804.52	172.56	34.637	
4,700.00	4,317.43	4,357.43	4,357.43	30.97	150.41	143.81	1,649.23	-4,385.06	6,015.11	5,838.86	176.24	34.129	
4,800.00	4,406.51	4,446.51	4,446.51	31.73	153.52	144.05	1,649.23	-4,385.06	6,053.23	5,873.31	179.93	33.643	
4,900.00	4,495.59	4,535.59	4,535.59	32.50	156.63	144.30	1,649.23	-4,385.06	6,091.46	5,907.85	183.61	33.176	
5,000.00	4,584.66	4,624.66	4,624.66	33.26	159.74	144.54	1,649.23	-4,385.06	6,129.78	5,942.49	187.29	32.729	

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

Offset Design Falken 9-11 PAD - OPAL #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,713.74	4,713.74	34.02	162.84	144.77	1,649.23	-4,385.06	6,168.20	5,977.23	190.97	32.300	
5,200.00	4,762.82	4,802.82	4,802.82	34.78	165.95	145.01	1,649.23	-4,385.06	6,206.72	6,012.07	194.65	31.887	
5,300.00	4,851.89	4,908.11	4,891.89	35.54	169.63	145.24	1,649.23	-4,385.06	6,245.33	6,046.44	198.89	31.401	
5,400.00	4,940.97	4,980.97	4,980.97	36.31	172.17	145.46	1,649.23	-4,385.06	6,284.03	6,082.02	202.00	31.109	
5,500.00	5,030.05	5,070.05	5,070.05	37.07	175.28	145.69	1,649.23	-4,385.06	6,322.82	6,117.14	205.68	30.741	
5,600.00	5,119.12	5,159.12	5,159.12	37.83	178.39	145.91	1,649.23	-4,385.06	6,361.69	6,152.34	209.35	30.387	
5,700.00	5,208.20	5,248.20	5,248.20	38.60	181.50	146.13	1,649.23	-4,385.06	6,400.66	6,187.63	213.03	30.046	
5,800.00	5,297.28	5,337.28	5,337.28	39.36	184.61	146.35	1,649.23	-4,385.06	6,439.71	6,223.01	216.70	29.717	
5,900.00	5,386.35	5,426.35	5,426.35	40.13	187.72	146.57	1,649.23	-4,385.06	6,478.84	6,258.47	220.37	29.399	
6,000.00	5,475.43	5,515.43	5,515.43	40.89	190.83	146.78	1,649.23	-4,385.06	6,518.05	6,294.01	224.04	29.093	
6,100.00	5,564.51	5,604.51	5,604.51	41.66	193.94	146.99	1,649.23	-4,385.06	6,557.35	6,329.63	227.72	28.796	
6,200.00	5,653.58	5,706.42	5,693.58	42.42	197.49	147.20	1,649.23	-4,385.06	6,596.72	6,364.89	231.83	28.455	
6,300.00	5,742.66	5,782.66	5,782.66	43.19	200.15	147.41	1,649.23	-4,385.06	6,636.18	6,401.12	235.06	28.232	
6,400.00	5,831.74	5,871.74	5,871.74	43.95	203.26	147.61	1,649.23	-4,385.06	6,675.70	6,436.98	238.72	27.964	
6,500.00	5,920.82	5,960.82	5,960.82	44.72	206.37	147.81	1,649.23	-4,385.06	6,715.31	6,472.91	242.39	27.704	
6,600.00	6,009.89	6,049.89	6,049.89	45.48	209.48	148.01	1,649.23	-4,385.06	6,754.98	6,508.92	246.06	27.453	
6,700.00	6,098.97	6,138.97	6,138.97	46.25	212.59	148.21	1,649.23	-4,385.06	6,794.73	6,545.00	249.73	27.209	
6,800.00	6,188.05	6,228.05	6,228.05	47.01	215.70	148.40	1,649.23	-4,385.06	6,834.55	6,581.16	253.39	26.972	
6,900.00	6,277.12	6,317.12	6,317.12	47.78	218.81	148.60	1,649.23	-4,385.06	6,874.44	6,617.38	257.06	26.743	
7,000.00	6,366.20	6,406.20	6,406.20	48.55	221.92	148.79	1,649.23	-4,385.06	6,914.40	6,653.68	260.72	26.520	
7,100.00	6,455.28	6,504.72	6,495.28	49.31	225.36	148.98	1,649.23	-4,385.06	6,954.42	6,689.71	264.72	26.271	
7,197.64	6,542.25	6,582.25	6,582.25	50.06	228.06	149.16	1,649.23	-4,385.06	6,993.57	6,725.60	267.96	26.099	
7,200.00	6,544.35	6,584.35	6,584.35	50.08	228.14	148.72	1,649.23	-4,385.06	6,994.51	6,726.46	268.05	26.094	
7,250.00	6,589.22	6,629.22	6,629.22	50.44	229.70	139.08	1,649.23	-4,385.06	7,012.98	6,743.09	269.89	25.985	
7,300.00	6,634.48	6,674.48	6,674.48	50.77	231.28	128.90	1,649.23	-4,385.06	7,028.46	6,756.73	271.73	25.865	
7,350.00	6,679.86	6,719.86	6,719.86	51.06	232.87	118.66	1,649.23	-4,385.06	7,040.88	6,767.32	273.57	25.737	
7,400.00	6,725.09	6,765.09	6,765.09	51.31	234.45	108.95	1,649.23	-4,385.06	7,050.18	6,774.81	275.38	25.602	
7,450.00	6,769.87	6,809.87	6,809.87	51.52	236.01	100.24	1,649.23	-4,385.06	7,056.32	6,779.18	277.14	25.461	
7,500.00	6,813.94	6,853.94	6,853.94	51.69	237.55	92.79	1,649.23	-4,385.06	7,059.27	6,780.43	278.84	25.316	
7,550.00	6,857.03	6,902.97	6,897.03	51.84	239.26	86.65	1,649.23	-4,385.06	7,059.05	6,778.36	280.69	25.149	
7,600.00	6,898.86	6,938.86	6,938.86	51.95	240.51	81.74	1,649.23	-4,385.06	7,055.67	6,773.63	282.04	25.017	
7,650.00	6,939.19	6,979.19	6,979.19	52.05	241.92	77.90	1,649.23	-4,385.06	7,049.17	6,765.66	283.51	24.864	
7,700.00	6,977.75	7,017.75	7,017.75	52.13	243.27	75.00	1,649.23	-4,385.06	7,039.62	6,754.72	284.89	24.710	
7,750.00	7,014.32	7,054.32	7,054.32	52.20	244.54	72.91	1,649.23	-4,385.06	7,027.09	6,740.90	286.18	24.555	
7,800.00	7,048.67	7,088.67	7,088.67	52.26	245.74	71.53	1,649.23	-4,385.06	7,011.67	6,724.30	287.37	24.399	
7,850.00	7,080.59	7,120.59	7,120.59	52.33	246.86	70.79	1,649.23	-4,385.06	6,993.47	6,705.01	288.46	24.244	
7,900.00	7,109.87	7,149.87	7,149.87	52.39	247.88	70.62	1,649.23	-4,385.06	6,972.63	6,683.18	289.46	24.089	
7,950.00	7,136.35	7,176.35	7,176.35	52.47	248.80	70.99	1,649.23	-4,385.06	6,949.28	6,658.93	290.35	23.934	
8,000.00	7,159.85	7,200.15	7,199.85	52.55	249.63	71.88	1,649.23	-4,385.06	6,923.57	6,632.41	291.16	23.779	
8,050.00	7,180.23	7,220.23	7,220.23	52.64	250.33	73.28	1,649.23	-4,385.06	6,895.67	6,603.82	291.85	23.627	
8,100.00	7,197.37	7,237.37	7,237.37	52.75	250.93	75.20	1,649.23	-4,385.06	6,865.75	6,573.29	292.47	23.475	
8,150.00	7,211.16	7,251.16	7,251.16	52.88	251.41	77.63	1,649.23	-4,385.06	6,834.00	6,541.01	292.98	23.325	
8,200.00	7,221.51	7,261.51	7,261.51	53.03	251.78	80.59	1,649.23	-4,385.06	6,800.60	6,507.19	293.41	23.178	
8,250.00	7,228.37	7,268.37	7,268.37	53.20	252.02	84.08	1,649.23	-4,385.06	6,765.77	6,472.02	293.75	23.033	
8,300.00	7,231.68	7,271.68	7,271.68	53.40	252.13	88.11	1,649.23	-4,385.06	6,729.69	6,435.70	293.99	22.891	
8,317.45	7,232.00	7,272.00	7,272.00	53.47	252.14	89.63	1,649.23	-4,385.06	6,716.84	6,422.79	294.06	22.842	
8,400.00	7,232.48	7,272.48	7,272.48	53.86	252.16	89.64	1,649.23	-4,385.06	6,656.04	6,361.67	294.37	22.611	
8,500.00	7,233.06	7,273.06	7,273.06	54.44	252.18	89.65	1,649.23	-4,385.06	6,583.01	6,288.16	294.85	22.327	
8,600.00	7,233.64	7,273.64	7,273.64	55.14	252.20	89.66	1,649.23	-4,385.06	6,510.70	6,215.25	295.45	22.037	
8,700.00	7,234.22	7,274.22	7,274.22	55.99	252.22	89.66	1,649.23	-4,385.06	6,439.13	6,142.96	296.17	21.742	
8,800.00	7,234.80	7,274.80	7,274.80	57.00	252.24	89.67	1,649.23	-4,385.06	6,368.32	6,071.31	297.01	21.441	
8,900.00	7,235.39	7,275.39	7,275.39	58.18	252.26	89.68	1,649.23	-4,385.06	6,298.31	6,000.33	297.98	21.137	

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

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

Offset Design Falken 9-11 PAD - OPAL #1(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.00	7,235.97	7,275.97	7,275.97	59.53	252.28	89.68	1,649.23	-4,385.06	6,229.12	5,930.04	299.07	20.828	
9,100.00	7,236.55	7,276.55	7,276.55	61.04	252.30	89.69	1,649.23	-4,385.06	6,160.77	5,860.48	300.29	20.516	
9,200.00	7,237.13	7,277.13	7,277.13	62.69	252.32	89.70	1,649.23	-4,385.06	6,093.29	5,791.66	301.63	20.201	
9,300.00	7,237.71	7,277.71	7,277.71	64.47	252.34	89.71	1,649.23	-4,385.06	6,026.72	5,723.63	303.10	19.884	
9,400.00	7,238.29	7,278.29	7,278.29	66.36	252.36	89.71	1,649.23	-4,385.06	5,961.09	5,656.41	304.68	19.565	
9,500.00	7,238.87	7,278.87	7,278.87	68.34	252.38	89.72	1,649.23	-4,385.06	5,896.42	5,590.03	306.38	19.245	
9,600.00	7,239.45	7,279.45	7,279.45	70.41	252.40	89.73	1,649.23	-4,385.06	5,832.74	5,524.55	308.20	18.925	
9,700.00	7,240.03	7,280.03	7,280.03	72.55	252.42	89.74	1,649.23	-4,385.06	5,770.10	5,459.98	310.12	18.606	
9,800.00	7,240.61	7,280.61	7,280.61	74.76	252.44	89.74	1,649.23	-4,385.06	5,708.52	5,396.36	312.16	18.287	
9,900.00	7,241.20	7,281.20	7,281.20	77.02	252.46	89.75	1,649.23	-4,385.06	5,648.04	5,333.75	314.30	17.970	
10,000.00	7,241.78	7,281.78	7,281.78	79.33	252.48	89.76	1,649.23	-4,385.06	5,588.70	5,272.16	316.54	17.656	
10,100.00	7,242.36	7,282.36	7,282.36	81.68	252.50	89.77	1,649.23	-4,385.06	5,530.53	5,211.65	318.88	17.344	
10,200.00	7,242.94	7,282.94	7,282.94	84.07	252.52	89.77	1,649.23	-4,385.06	5,473.56	5,152.25	321.31	17.035	
10,300.00	7,243.52	7,283.52	7,283.52	86.49	252.54	89.78	1,649.23	-4,385.06	5,417.85	5,094.01	323.83	16.730	
10,400.00	7,244.10	7,284.10	7,284.10	88.95	252.56	89.79	1,649.23	-4,385.06	5,363.41	5,036.97	326.44	16.430	
10,500.00	7,244.68	7,284.68	7,284.68	91.43	252.58	89.80	1,649.23	-4,385.06	5,310.31	4,981.17	329.14	16.134	
10,600.00	7,245.26	7,285.26	7,285.26	93.93	252.60	89.80	1,649.23	-4,385.06	5,258.57	4,926.66	331.91	15.843	
10,700.00	7,245.84	7,285.84	7,285.84	96.46	252.63	89.81	1,649.23	-4,385.06	5,208.23	4,873.48	334.76	15.558	
10,800.00	7,246.42	7,286.42	7,286.42	99.01	252.65	89.82	1,649.23	-4,385.06	5,159.35	4,821.67	337.68	15.279	
10,900.00	7,247.01	7,287.01	7,287.01	101.58	252.67	89.82	1,649.23	-4,385.06	5,111.95	4,771.28	340.67	15.006	
11,000.00	7,247.59	7,287.59	7,287.59	104.16	252.69	89.83	1,649.23	-4,385.06	5,066.08	4,722.36	343.72	14.739	
11,100.00	7,248.17	7,288.17	7,288.17	106.76	252.71	89.84	1,649.23	-4,385.06	5,021.79	4,674.96	346.83	14.479	
11,200.00	7,248.75	7,288.75	7,288.75	109.37	252.73	89.85	1,649.23	-4,385.06	4,979.10	4,629.11	349.99	14.226	
11,300.00	7,249.33	7,289.33	7,289.33	112.00	252.75	89.85	1,649.23	-4,385.06	4,938.08	4,584.88	353.20	13.981	
11,400.00	7,249.91	7,289.91	7,289.91	114.64	252.77	89.86	1,649.23	-4,385.06	4,898.75	4,542.29	356.46	13.743	
11,500.00	7,250.49	7,309.51	7,290.49	117.29	253.45	89.87	1,649.23	-4,385.06	4,861.17	4,500.74	360.42	13.487	
11,600.00	7,251.07	7,308.93	7,291.07	119.95	253.43	89.88	1,649.23	-4,385.06	4,825.36	4,461.64	363.72	13.267	
11,700.00	7,251.65	7,308.35	7,291.65	122.62	253.41	89.88	1,649.23	-4,385.06	4,791.37	4,424.34	367.04	13.054	
11,800.00	7,252.23	7,307.77	7,292.23	125.30	253.39	89.89	1,649.23	-4,385.06	4,759.24	4,388.86	370.38	12.850	
11,900.00	7,252.82	7,307.18	7,292.82	127.98	253.37	89.90	1,649.23	-4,385.06	4,729.01	4,355.27	373.74	12.653	
12,000.00	7,253.40	7,306.60	7,293.40	130.68	253.35	89.91	1,649.23	-4,385.06	4,700.71	4,323.60	377.12	12.465	
12,100.00	7,253.98	7,306.02	7,293.98	133.38	253.33	89.91	1,649.23	-4,385.06	4,674.38	4,293.89	380.49	12.285	
12,200.00	7,254.56	7,305.44	7,294.56	136.09	253.31	89.92	1,649.23	-4,385.06	4,650.05	4,266.18	383.87	12.114	
12,300.00	7,255.14	7,304.86	7,295.14	138.81	253.29	89.93	1,649.23	-4,385.06	4,627.76	4,240.52	387.24	11.951	
12,400.00	7,255.72	7,304.28	7,295.72	141.53	253.27	89.93	1,649.23	-4,385.06	4,607.53	4,216.93	390.60	11.796	
12,500.00	7,256.30	7,303.70	7,296.30	144.26	253.25	89.94	1,649.23	-4,385.06	4,589.39	4,195.45	393.93	11.650	
12,600.00	7,256.88	7,303.12	7,296.88	146.99	253.23	89.95	1,649.23	-4,385.06	4,573.36	4,176.12	397.24	11.513	
12,700.00	7,257.46	7,302.54	7,297.46	149.73	253.21	89.96	1,649.23	-4,385.06	4,559.47	4,158.95	400.52	11.384	
12,800.00	7,258.04	7,301.96	7,298.04	152.47	253.19	89.96	1,649.23	-4,385.06	4,547.74	4,143.98	403.76	11.264	
12,900.00	7,258.63	7,301.37	7,298.63	155.22	253.17	89.97	1,649.23	-4,385.06	4,538.18	4,131.23	406.95	11.152	
13,000.00	7,259.21	7,300.79	7,299.21	157.97	253.15	89.98	1,649.23	-4,385.06	4,530.80	4,120.72	410.09	11.048	
13,100.00	7,259.79	7,300.21	7,299.79	160.72	253.13	89.99	1,649.23	-4,385.06	4,525.63	4,112.46	413.17	10.953	
13,200.00	7,260.37	7,300.37	7,300.37	163.48	253.13	89.99	1,649.23	-4,385.06	4,522.66	4,106.45	416.22	10.866	
13,284.29	7,260.86	7,300.86	7,300.86	165.81	253.15	90.00	1,649.23	-4,385.06	4,521.88	4,103.13	418.74	10.799	CC
13,300.00	7,260.95	7,300.95	7,300.95	166.24	253.15	90.00	1,649.23	-4,385.06	4,521.90	4,102.70	419.21	10.787	
13,400.00	7,261.53	7,301.53	7,301.53	169.01	253.17	90.01	1,649.23	-4,385.06	4,523.36	4,101.23	422.13	10.716	ES
13,480.77	7,262.00	7,302.00	7,302.00	171.24	253.19	90.01	1,649.23	-4,385.06	4,526.14	4,101.71	424.43	10.664	SF

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

Offset Design Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	163.70	-3,496.59	1,022.72	3,643.09				
100.00	100.00	79.46	79.46	3.28	3.28	163.70	-3,496.85	1,022.39	3,643.27	3,636.70	6.57	554.580	
200.00	200.00	169.69	169.68	3.34	3.32	163.72	-3,497.58	1,021.65	3,643.82	3,637.16	6.66	547.188	
300.00	300.00	291.72	291.71	3.44	3.44	163.72	-3,498.26	1,021.41	3,644.32	3,637.44	6.89	529.121	
400.00	399.98	385.12	385.10	3.60	3.58	8.61	-3,498.32	1,021.60	3,642.72	3,635.54	7.18	507.402	
500.00	499.84	491.61	491.60	3.79	3.79	8.63	-3,498.42	1,021.95	3,637.73	3,630.15	7.58	480.017	
600.00	599.45	585.45	585.43	4.02	4.01	8.67	-3,498.41	1,022.39	3,629.24	3,621.21	8.03	451.968	
700.00	698.70	688.20	688.19	4.29	4.28	8.73	-3,498.53	1,022.71	3,617.38	3,608.81	8.57	422.041	
800.00	797.47	795.00	794.99	4.59	4.59	8.82	-3,498.43	1,023.12	3,601.94	3,592.76	9.18	392.313	
900.00	895.62	901.29	901.28	4.93	4.92	8.92	-3,498.08	1,023.52	3,582.87	3,573.03	9.84	364.267	
1,000.00	993.06	985.84	985.82	5.31	5.20	9.03	-3,497.90	1,023.69	3,560.50	3,550.04	10.46	340.358	
1,100.00	1,089.64	1,078.67	1,078.66	5.72	5.52	9.18	-3,497.97	1,023.81	3,535.03	3,523.88	11.15	317.137	
1,200.00	1,185.27	1,178.11	1,178.09	6.16	5.86	9.36	-3,498.08	1,023.84	3,506.24	3,494.37	11.88	295.223	
1,300.00	1,279.82	1,266.28	1,266.26	6.64	6.18	9.55	-3,498.16	1,023.83	3,474.17	3,461.58	12.59	275.926	
1,400.00	1,373.17	1,367.51	1,367.49	7.15	6.55	9.78	-3,498.33	1,023.96	3,438.97	3,425.59	13.37	257.136	
1,500.00	1,465.21	1,460.18	1,460.17	7.70	6.89	10.04	-3,498.23	1,023.97	3,400.30	3,386.16	14.14	240.422	
1,600.00	1,555.84	1,550.37	1,550.35	8.30	7.22	10.33	-3,498.31	1,023.75	3,358.61	3,343.70	14.92	225.166	
1,651.50	1,601.92	1,599.13	1,599.11	8.62	7.41	10.50	-3,498.31	1,023.66	3,335.90	3,320.57	15.33	217.599	
1,700.00	1,645.13	1,637.56	1,637.54	8.93	7.55	10.56	-3,498.32	1,023.59	3,314.15	3,298.45	15.69	211.178	
1,800.00	1,734.20	1,718.43	1,718.41	9.58	7.86	10.70	-3,498.54	1,023.40	3,269.50	3,253.04	16.45	198.715	
1,900.00	1,823.28	1,805.98	1,805.96	10.25	8.20	10.86	-3,498.93	1,023.04	3,224.98	3,207.73	17.25	186.938	
2,000.00	1,912.36	1,890.95	1,890.93	10.94	8.54	11.01	-3,499.40	1,022.67	3,180.57	3,162.52	18.05	176.165	
2,100.00	2,001.43	1,994.37	1,994.35	11.63	8.95	11.21	-3,499.86	1,022.11	3,136.07	3,117.14	18.93	165.692	
2,200.00	2,090.51	2,078.43	2,078.41	12.34	9.28	11.38	-3,500.13	1,021.41	3,091.41	3,071.67	19.75	156.564	
2,300.00	2,179.59	2,174.67	2,174.63	13.05	9.67	11.58	-3,500.50	1,020.47	3,046.82	3,026.21	20.61	147.832	
2,400.00	2,268.66	2,263.63	2,263.60	13.76	10.03	11.77	-3,500.67	1,019.54	3,002.05	2,980.59	21.46	139.896	
2,500.00	2,357.74	2,350.64	2,350.59	14.49	10.38	11.97	-3,500.93	1,018.58	2,957.39	2,935.08	22.31	132.559	
2,600.00	2,446.82	2,439.68	2,439.63	15.21	10.75	12.17	-3,501.16	1,017.83	2,912.79	2,889.62	23.17	125.696	
2,700.00	2,535.89	2,531.25	2,531.20	15.95	11.12	12.38	-3,501.37	1,017.06	2,868.19	2,844.14	24.05	119.264	
2,800.00	2,624.97	2,624.70	2,624.65	16.68	11.51	12.61	-3,501.45	1,016.15	2,823.48	2,798.54	24.93	113.238	
2,900.00	2,714.05	2,714.12	2,714.07	17.42	11.88	12.83	-3,501.44	1,015.43	2,778.74	2,752.93	25.81	107.652	
3,000.00	2,803.12	2,806.96	2,806.89	18.16	12.26	13.07	-3,501.34	1,014.71	2,733.96	2,707.26	26.70	102.386	
3,100.00	2,892.20	2,889.42	2,889.36	18.90	12.61	13.29	-3,501.32	1,013.97	2,689.28	2,661.70	27.57	97.531	
3,200.00	2,981.28	2,971.72	2,971.66	19.65	12.95	13.51	-3,501.50	1,013.24	2,644.83	2,616.38	28.45	92.961	
3,300.00	3,070.36	3,059.80	3,059.73	20.40	13.32	13.76	-3,501.80	1,012.65	2,600.58	2,571.23	29.35	88.619	
3,400.00	3,159.43	3,146.16	3,146.09	21.14	13.68	14.00	-3,502.05	1,012.29	2,556.37	2,526.13	30.24	84.537	
3,500.00	3,248.51	3,231.67	3,231.60	21.89	14.04	14.24	-3,502.39	1,012.32	2,512.38	2,481.25	31.13	80.695	
3,600.00	3,337.59	3,322.43	3,322.36	22.65	14.42	14.51	-3,502.78	1,012.27	2,468.44	2,436.40	32.04	77.036	
3,700.00	3,426.66	3,412.64	3,412.56	23.40	14.80	14.78	-3,503.09	1,012.26	2,424.48	2,391.52	32.95	73.574	
3,800.00	3,515.74	3,494.96	3,494.89	24.15	15.15	15.03	-3,503.48	1,012.33	2,380.69	2,346.84	33.85	70.321	
3,900.00	3,604.82	3,590.34	3,590.26	24.91	15.55	15.35	-3,504.00	1,012.19	2,336.98	2,302.20	34.78	67.193	
4,000.00	3,693.89	3,674.20	3,674.12	25.66	15.91	15.64	-3,504.46	1,011.82	2,293.27	2,257.58	35.70	64.245	
4,100.00	3,782.97	3,766.40	3,766.32	26.42	16.30	15.97	-3,505.08	1,011.54	2,249.75	2,213.13	36.62	61.428	
4,200.00	3,872.05	3,860.14	3,860.06	27.18	16.70	16.31	-3,505.43	1,011.47	2,206.06	2,168.51	37.56	58.741	
4,300.00	3,961.12	3,950.60	3,950.52	27.94	17.09	16.66	-3,505.65	1,011.38	2,162.32	2,123.84	38.49	56.183	
4,400.00	4,050.20	4,040.54	4,040.46	28.69	17.47	17.01	-3,505.83	1,011.42	2,118.63	2,079.21	39.42	53.747	
4,500.00	4,139.28	4,130.70	4,130.62	29.45	17.85	17.37	-3,505.94	1,011.52	2,074.94	2,034.59	40.35	51.423	
4,600.00	4,228.35	4,218.96	4,218.88	30.21	18.22	17.74	-3,506.01	1,011.86	2,031.33	1,990.05	41.28	49.206	
4,700.00	4,317.43	4,305.62	4,305.53	30.97	18.58	18.11	-3,506.17	1,012.19	1,987.88	1,945.66	42.22	47.085	
4,800.00	4,406.51	4,396.46	4,396.37	31.73	18.96	18.52	-3,506.34	1,012.65	1,944.52	1,901.36	43.16	45.055	
4,900.00	4,495.59	4,482.76	4,482.68	32.50	19.32	18.92	-3,506.51	1,013.19	1,901.27	1,857.16	44.11	43.107	
5,000.00	4,584.66	4,570.59	4,570.50	33.26	19.69	19.35	-3,506.82	1,013.57	1,858.22	1,813.16	45.06	41.238	

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

Offset Design Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH — **Offset Site Error:** 0.00 ft

Survey Program: 100-MWD — **Offset Well Error:** 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,659.79	4,659.70	34.02	20.07	19.81	-3,507.18	1,013.90	1,815.31	1,769.29	46.02	39.444	
5,200.00	4,762.82	4,743.90	4,743.81	34.78	20.43	20.26	-3,507.57	1,014.27	1,772.56	1,725.56	47.00	37.717	
5,300.00	4,851.89	4,826.42	4,826.33	35.54	20.78	20.73	-3,508.36	1,014.55	1,730.34	1,682.36	47.98	36.062	
5,400.00	4,940.97	4,915.49	4,915.38	36.31	21.16	21.26	-3,509.39	1,014.59	1,688.39	1,639.42	48.97	34.478	
5,500.00	5,030.05	5,005.51	5,005.41	37.07	21.55	21.84	-3,510.45	1,014.44	1,646.58	1,596.62	49.97	32.953	
5,600.00	5,119.12	5,100.30	5,100.18	37.83	21.96	22.49	-3,511.40	1,014.05	1,604.76	1,553.79	50.96	31.488	
5,700.00	5,208.20	5,187.80	5,187.69	38.60	22.33	23.12	-3,512.19	1,013.66	1,563.00	1,511.01	51.98	30.068	
5,800.00	5,297.28	5,280.46	5,280.34	39.36	22.73	23.82	-3,512.99	1,013.47	1,521.39	1,468.39	53.00	28.706	
5,900.00	5,386.35	5,374.39	5,374.27	40.13	23.14	24.55	-3,513.53	1,013.45	1,479.72	1,425.70	54.02	27.392	
6,000.00	5,475.43	5,469.58	5,469.46	40.89	23.55	25.35	-3,513.74	1,013.37	1,437.94	1,382.90	55.04	26.125	
6,100.00	5,564.51	5,555.58	5,555.45	41.66	23.91	26.11	-3,513.74	1,013.12	1,396.18	1,340.08	56.11	24.885	
6,200.00	5,653.58	5,644.70	5,644.57	42.42	24.29	26.95	-3,514.07	1,012.96	1,354.99	1,297.82	57.17	23.700	
6,300.00	5,742.66	5,737.71	5,737.59	43.19	24.68	27.86	-3,514.06	1,012.99	1,313.72	1,255.48	58.23	22.560	
6,400.00	5,831.74	5,824.69	5,824.56	43.95	25.04	28.76	-3,514.06	1,013.26	1,272.74	1,213.41	59.34	21.450	
6,500.00	5,920.82	5,912.03	5,911.90	44.72	25.41	29.72	-3,514.25	1,013.51	1,232.26	1,171.80	60.46	20.381	
6,600.00	6,009.89	6,006.17	6,006.05	45.48	25.80	30.82	-3,514.27	1,013.61	1,191.96	1,130.39	61.57	19.358	
6,700.00	6,098.97	6,089.91	6,089.79	46.25	26.16	31.87	-3,514.35	1,013.72	1,152.09	1,089.32	62.77	18.355	
6,800.00	6,188.05	6,182.79	6,182.66	47.01	26.55	33.11	-3,514.51	1,013.91	1,112.70	1,048.76	63.94	17.403	
6,900.00	6,277.12	6,273.82	6,273.69	47.78	26.93	34.41	-3,514.37	1,014.10	1,073.49	1,008.35	65.14	16.479	
7,000.00	6,366.20	6,365.18	6,365.06	48.55	27.30	35.81	-3,514.09	1,014.40	1,034.65	968.27	66.38	15.587	
7,100.00	6,455.28	6,453.25	6,453.12	49.31	27.67	37.26	-3,513.67	1,014.48	996.25	928.57	67.68	14.720	
7,197.64	6,542.25	6,538.92	6,538.79	50.06	28.03	38.77	-3,513.46	1,014.67	959.56	890.57	68.99	13.909	
7,200.00	6,544.35	6,541.04	6,540.91	50.08	28.03	38.34	-3,513.45	1,014.67	958.68	889.66	69.02	13.890	
7,250.00	6,589.22	6,586.18	6,586.05	50.44	28.22	28.58	-3,513.33	1,014.71	939.61	869.95	69.66	13.489	
7,300.00	6,634.48	6,633.76	6,633.63	50.77	28.42	17.75	-3,513.13	1,014.69	919.65	849.45	70.20	13.100	
7,350.00	6,679.86	6,682.24	6,682.10	51.06	28.62	6.31	-3,512.76	1,014.69	898.74	828.08	70.66	12.719	
7,400.00	6,725.09	6,728.90	6,728.77	51.31	28.81	-5.19	-3,512.27	1,014.70	876.98	805.93	71.04	12.345	
7,450.00	6,769.87	6,774.20	6,774.07	51.52	29.00	-16.24	-3,511.74	1,014.73	854.58	783.23	71.35	11.978	
7,500.00	6,813.94	6,818.42	6,818.28	51.69	29.19	-26.59	-3,511.20	1,014.80	831.74	760.17	71.57	11.621	
7,550.00	6,857.03	6,938.90	6,860.96	51.84	29.69	-36.13	-3,510.69	1,014.92	808.76	736.71	72.04	11.226	
7,600.00	6,898.86	6,902.56	6,902.41	51.95	29.54	-44.93	-3,510.23	1,015.27	785.96	714.17	71.78	10.949	
7,650.00	6,939.19	6,942.48	6,942.33	52.05	29.70	-53.01	-3,509.80	1,015.61	763.73	691.95	71.78	10.640	
7,700.00	6,977.75	6,980.62	6,980.47	52.13	29.86	-60.42	-3,509.38	1,015.93	742.54	670.84	71.70	10.356	
7,750.00	7,014.32	7,016.76	7,016.60	52.20	30.02	-67.17	-3,508.99	1,016.24	722.90	651.34	71.56	10.102	
7,800.00	7,048.67	7,050.65	7,050.49	52.26	30.16	-73.25	-3,508.62	1,016.53	705.41	634.04	71.38	9.883	
7,850.00	7,080.59	7,082.11	7,081.94	52.33	30.29	-78.63	-3,508.27	1,016.79	690.69	619.52	71.17	9.705	
7,900.00	7,109.87	7,110.92	7,110.75	52.39	30.41	-83.28	-3,507.96	1,017.04	679.34	608.39	70.95	9.574	
7,950.00	7,136.35	7,136.92	7,136.75	52.47	30.52	-87.18	-3,507.68	1,017.26	671.98	601.21	70.77	9.495	
8,000.00	7,159.85	7,159.94	7,159.77	52.55	30.61	-90.30	-3,507.43	1,017.45	669.11	598.47	70.64	9.472	SF
8,004.88	7,161.98	7,162.02	7,161.85	52.56	30.62	-90.56	-3,507.40	1,017.47	669.09	598.45	70.64	9.472	CC, ES
8,050.00	7,180.23	7,179.84	7,179.67	52.64	30.70	-92.62	-3,507.21	1,017.62	671.12	600.52	70.60	9.506	
8,100.00	7,197.37	7,196.51	7,196.33	52.75	30.77	-94.14	-3,507.03	1,017.76	678.24	607.58	70.66	9.598	
8,150.00	7,211.16	7,209.82	7,209.65	52.88	30.82	-94.83	-3,506.88	1,017.87	690.51	619.68	70.83	9.749	
8,200.00	7,221.51	7,219.71	7,219.54	53.03	30.87	-94.65	-3,506.77	1,017.96	707.76	636.68	71.09	9.956	
8,250.00	7,228.37	7,226.12	7,225.94	53.20	30.89	-93.56	-3,506.70	1,018.01	729.70	658.28	71.42	10.217	
8,300.00	7,231.68	7,229.00	7,228.82	53.40	30.90	-91.48	-3,506.67	1,018.03	755.86	684.06	71.80	10.528	
8,317.45	7,232.00	7,229.17	7,228.99	53.47	30.90	-90.52	-3,506.67	1,018.04	765.89	693.96	71.94	10.647	
8,400.00	7,232.48	7,228.95	7,228.77	53.86	30.90	-90.50	-3,506.67	1,018.03	817.10	744.48	72.62	11.251	
8,500.00	7,233.06	7,228.69	7,228.51	54.44	30.90	-90.47	-3,506.68	1,018.03	885.51	812.03	73.48	12.051	
8,600.00	7,233.64	7,228.43	7,228.25	55.14	30.90	-90.45	-3,506.68	1,018.03	959.47	885.18	74.29	12.915	
8,700.00	7,234.22	7,228.17	7,227.99	55.99	30.90	-90.43	-3,506.68	1,018.03	1,037.81	962.78	75.03	13.831	
8,800.00	7,234.80	7,227.91	7,227.73	57.00	30.90	-90.40	-3,506.68	1,018.03	1,119.60	1,043.92	75.69	14.792	

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

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

Offset Design Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-MWD

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,227.64	7,227.46	58.18	30.90	-90.38	-3,506.69	1,018.02	1,204.15	1,127.88	76.26	15.789	
9,000.00	7,235.97	7,227.38	7,227.20	59.53	30.90	-90.35	-3,506.69	1,018.02	1,290.91	1,214.14	76.77	16.816	
9,100.00	7,236.55	7,227.12	7,226.94	61.04	30.90	-90.33	-3,506.69	1,018.02	1,379.46	1,302.25	77.21	17.867	
9,200.00	7,237.13	7,226.86	7,226.68	62.69	30.89	-90.30	-3,506.70	1,018.02	1,469.48	1,391.88	77.59	18.938	
9,300.00	7,237.71	7,226.60	7,226.42	64.47	30.89	-90.28	-3,506.70	1,018.01	1,560.71	1,482.78	77.93	20.026	
9,400.00	7,238.29	7,226.33	7,226.16	66.36	30.89	-90.26	-3,506.70	1,018.01	1,652.96	1,574.73	78.23	21.129	
9,500.00	7,238.87	7,226.07	7,225.89	68.34	30.89	-90.23	-3,506.70	1,018.01	1,746.07	1,667.57	78.50	22.243	
9,600.00	7,239.45	7,225.81	7,225.63	70.41	30.89	-90.21	-3,506.71	1,018.01	1,839.89	1,761.15	78.74	23.367	
9,700.00	7,240.03	7,225.55	7,225.37	72.55	30.89	-90.18	-3,506.71	1,018.01	1,934.34	1,855.39	78.95	24.500	
9,800.00	7,240.61	7,225.29	7,225.11	74.76	30.89	-90.16	-3,506.71	1,018.00	2,029.32	1,950.17	79.15	25.640	
9,900.00	7,241.20	7,225.03	7,224.85	77.02	30.89	-90.13	-3,506.72	1,018.00	2,124.76	2,045.43	79.32	26.786	
10,000.00	7,241.78	7,224.76	7,224.59	79.33	30.89	-90.11	-3,506.72	1,018.00	2,220.60	2,141.11	79.48	27.938	
10,100.00	7,242.36	7,224.50	7,224.32	81.68	30.89	-90.09	-3,506.72	1,018.00	2,316.79	2,237.16	79.63	29.094	
10,200.00	7,242.94	7,224.24	7,224.06	84.07	30.88	-90.06	-3,506.72	1,017.99	2,413.29	2,333.53	79.77	30.255	
10,300.00	7,243.52	7,223.98	7,223.80	86.49	30.88	-90.04	-3,506.73	1,017.99	2,510.07	2,430.17	79.89	31.418	
10,400.00	7,244.10	7,223.72	7,223.54	88.95	30.88	-90.01	-3,506.73	1,017.99	2,607.09	2,527.08	80.01	32.585	
10,500.00	7,244.68	7,223.46	7,223.28	91.43	30.88	-89.99	-3,506.73	1,017.99	2,704.32	2,624.20	80.12	33.754	
10,600.00	7,245.26	7,223.19	7,223.02	93.93	30.88	-89.97	-3,506.74	1,017.99	2,801.75	2,721.53	80.22	34.926	
10,700.00	7,245.84	7,222.93	7,222.75	96.46	30.88	-89.94	-3,506.74	1,017.98	2,899.36	2,819.04	80.32	36.099	
10,800.00	7,246.42	7,222.67	7,222.49	99.01	30.88	-89.92	-3,506.74	1,017.98	2,997.12	2,916.71	80.41	37.274	
10,900.00	7,247.01	7,222.41	7,222.23	101.58	30.88	-89.89	-3,506.74	1,017.98	3,095.03	3,014.53	80.50	38.450	
11,000.00	7,247.59	7,222.15	7,221.97	104.16	30.88	-89.87	-3,506.75	1,017.98	3,193.06	3,112.49	80.58	39.627	
11,100.00	7,248.17	7,221.89	7,221.71	106.76	30.87	-89.84	-3,506.75	1,017.97	3,291.22	3,210.56	80.66	40.805	
11,200.00	7,248.75	7,221.62	7,221.45	109.37	30.87	-89.82	-3,506.75	1,017.97	3,389.48	3,308.75	80.73	41.984	
11,300.00	7,249.33	7,221.36	7,221.18	112.00	30.87	-89.80	-3,506.76	1,017.97	3,487.84	3,407.04	80.81	43.163	
11,400.00	7,249.91	7,221.10	7,220.92	114.64	30.87	-89.77	-3,506.76	1,017.97	3,586.29	3,505.42	80.88	44.343	
11,500.00	7,250.49	7,220.84	7,220.66	117.29	30.87	-89.75	-3,506.76	1,017.97	3,684.83	3,603.88	80.94	45.523	
11,600.00	7,251.07	7,220.58	7,220.40	119.95	30.87	-89.72	-3,506.76	1,017.96	3,783.44	3,702.43	81.01	46.703	
11,700.00	7,251.65	7,220.32	7,220.14	122.62	30.87	-89.70	-3,506.77	1,017.96	3,882.12	3,801.05	81.07	47.884	
11,800.00	7,252.23	7,220.05	7,219.88	125.30	30.87	-89.68	-3,506.77	1,017.96	3,980.87	3,899.73	81.14	49.064	
11,900.00	7,252.82	7,219.79	7,219.61	127.98	30.87	-89.65	-3,506.77	1,017.96	4,079.68	3,998.48	81.20	50.244	
12,000.00	7,253.40	7,219.53	7,219.35	130.68	30.86	-89.63	-3,506.78	1,017.95	4,178.55	4,097.29	81.26	51.423	
12,100.00	7,253.98	7,219.27	7,219.09	133.38	30.86	-89.60	-3,506.78	1,017.95	4,277.46	4,196.15	81.32	52.602	
12,200.00	7,254.56	7,219.01	7,218.83	136.09	30.86	-89.58	-3,506.78	1,017.95	4,376.43	4,295.06	81.37	53.781	
12,300.00	7,255.14	7,218.75	7,218.57	138.81	30.86	-89.55	-3,506.78	1,017.95	4,475.45	4,394.01	81.43	54.959	
12,400.00	7,255.72	7,218.48	7,218.31	141.53	30.86	-89.53	-3,506.79	1,017.95	4,574.50	4,493.01	81.49	56.137	
12,500.00	7,256.30	7,218.22	7,218.04	144.26	30.86	-89.51	-3,506.79	1,017.94	4,673.60	4,592.06	81.54	57.314	
12,600.00	7,256.88	7,217.96	7,217.78	146.99	30.86	-89.48	-3,506.79	1,017.94	4,772.73	4,691.14	81.60	58.490	
12,700.00	7,257.46	7,217.70	7,217.52	149.73	30.86	-89.46	-3,506.80	1,017.94	4,871.90	4,790.25	81.65	59.666	
12,800.00	7,258.04	7,217.44	7,217.26	152.47	30.86	-89.43	-3,506.80	1,017.94	4,971.11	4,889.40	81.71	60.840	
12,900.00	7,258.63	7,217.18	7,217.00	155.22	30.85	-89.41	-3,506.80	1,017.93	5,070.34	4,988.58	81.76	62.014	
13,000.00	7,259.21	7,216.91	7,216.74	157.97	30.85	-89.39	-3,506.80	1,017.93	5,169.61	5,087.79	81.82	63.187	
13,100.00	7,259.79	7,216.65	7,216.47	160.72	30.85	-89.36	-3,506.81	1,017.93	5,268.90	5,187.03	81.87	64.358	
13,200.00	7,260.37	7,216.39	7,216.21	163.48	30.85	-89.34	-3,506.81	1,017.93	5,368.21	5,286.29	81.92	65.529	
13,300.00	7,260.95	7,216.13	7,215.95	166.24	30.85	-89.31	-3,506.81	1,017.93	5,467.56	5,385.58	81.97	66.698	
13,400.00	7,261.53	7,215.87	7,215.69	169.01	30.85	-89.29	-3,506.82	1,017.92	5,566.92	5,484.90	82.03	67.866	
13,480.77	7,262.00	7,215.66	7,215.48	171.24	30.85	-89.27	-3,506.82	1,017.92	5,647.20	5,565.13	82.07	68.809	

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

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	135.13	-990.89	986.46	1,398.67				
100.00	100.00	69.08	69.08	3.28	3.28	135.13	-990.83	986.34	1,398.09	1,391.52	6.57	212.860	
200.00	200.00	173.22	173.22	3.34	3.32	135.14	-990.55	985.82	1,397.54	1,390.88	6.66	209.850	
300.00	300.00	271.31	271.31	3.44	3.41	135.14	-990.19	985.30	1,396.90	1,390.04	6.86	203.636	
400.00	399.98	373.58	373.58	3.60	3.56	-20.01	-989.87	984.82	1,394.72	1,387.56	7.16	194.836	
500.00	499.84	475.92	475.91	3.79	3.76	-20.12	-989.37	984.17	1,389.00	1,381.46	7.54	184.125	
600.00	599.45	575.50	575.48	4.02	3.98	-20.31	-988.78	983.51	1,379.94	1,371.94	8.00	172.428	
700.00	698.70	676.13	676.11	4.29	4.24	-20.57	-988.23	982.77	1,367.61	1,359.08	8.53	160.286	
800.00	797.47	776.96	776.93	4.59	4.53	-20.91	-987.68	981.81	1,351.91	1,342.79	9.12	148.244	
900.00	895.62	874.26	874.23	4.93	4.82	-21.33	-987.14	980.78	1,332.94	1,323.19	9.74	136.797	
1,000.00	993.06	972.46	972.42	5.31	5.14	-21.84	-986.60	979.78	1,310.86	1,300.45	10.41	125.899	
1,100.00	1,089.64	1,068.43	1,068.39	5.72	5.47	-22.44	-986.14	978.66	1,285.62	1,274.51	11.11	115.735	
1,200.00	1,185.27	1,162.57	1,162.52	6.16	5.79	-23.16	-985.68	977.67	1,257.43	1,245.60	11.83	106.294	
1,300.00	1,279.82	1,258.21	1,258.15	6.64	6.14	-24.02	-985.08	976.82	1,226.31	1,213.72	12.58	97.447	
1,400.00	1,373.17	1,351.95	1,351.89	7.15	6.48	-25.01	-984.40	975.87	1,192.15	1,178.79	13.36	89.241	
1,500.00	1,465.21	1,442.81	1,442.74	7.70	6.82	-26.15	-983.83	974.92	1,155.26	1,141.11	14.15	81.649	
1,600.00	1,555.84	1,532.03	1,531.95	8.30	7.16	-27.47	-983.22	974.10	1,115.77	1,100.81	14.96	74.588	
1,651.50	1,601.92	1,577.08	1,577.00	8.62	7.33	-28.22	-982.91	973.75	1,094.48	1,079.09	15.39	71.135	
1,700.00	1,645.13	1,619.69	1,619.61	8.93	7.49	-28.76	-982.63	973.43	1,074.19	1,058.40	15.79	68.032	
1,800.00	1,734.20	1,708.68	1,708.59	9.58	7.84	-29.93	-982.27	972.60	1,032.63	1,016.00	16.64	62.068	
1,900.00	1,823.28	1,798.92	1,798.82	10.25	8.19	-31.21	-981.88	971.66	991.39	973.88	17.51	56.613	
2,000.00	1,912.36	1,880.78	1,880.69	10.94	8.52	-32.47	-981.57	971.06	950.86	932.46	18.39	51.696	
2,100.00	2,001.43	1,966.83	1,966.73	11.63	8.86	-33.89	-981.61	970.78	911.35	892.04	19.31	47.198	
2,200.00	2,090.51	2,054.66	2,054.56	12.34	9.21	-35.44	-982.04	970.42	872.59	852.34	20.25	43.087	
2,300.00	2,179.59	2,142.77	2,142.67	13.05	9.56	-37.11	-982.66	970.09	834.59	813.37	21.22	39.330	
2,400.00	2,268.66	2,231.91	2,231.81	13.76	9.91	-38.95	-983.26	969.90	797.44	775.23	22.22	35.891	
2,500.00	2,357.74	2,322.59	2,322.48	14.49	10.28	-40.98	-983.95	969.50	761.01	737.76	23.25	32.735	
2,600.00	2,446.82	2,411.71	2,411.60	15.21	10.64	-43.15	-984.67	969.03	725.47	701.17	24.31	29.846	
2,700.00	2,535.89	2,499.46	2,499.34	15.95	11.00	-45.49	-985.38	968.70	691.17	665.76	25.40	27.209	
2,800.00	2,624.97	2,588.96	2,588.84	16.68	11.36	-48.09	-986.08	968.47	658.23	631.70	26.53	24.807	
2,900.00	2,714.05	2,678.00	2,677.88	17.42	11.73	-50.92	-986.82	968.24	626.80	599.09	27.71	22.623	
3,000.00	2,803.12	2,767.06	2,766.94	18.16	12.09	-53.99	-987.62	968.04	597.12	568.21	28.92	20.649	
3,100.00	2,892.20	2,855.74	2,855.61	18.90	12.46	-57.33	-988.26	967.95	569.52	539.35	30.17	18.876	
3,200.00	2,981.28	2,944.90	2,944.77	19.65	12.82	-60.95	-989.05	967.93	544.32	512.86	31.46	17.302	
3,300.00	3,070.36	3,034.83	3,034.70	20.40	13.20	-64.89	-989.82	967.89	521.71	488.93	32.78	15.917	
3,400.00	3,159.43	3,124.99	3,124.85	21.14	13.57	-69.11	-990.61	967.71	501.95	467.84	34.11	14.715	
3,500.00	3,248.51	3,214.32	3,214.18	21.89	13.94	-73.58	-991.21	967.47	485.48	450.04	35.45	13.696	
3,600.00	3,337.59	3,303.45	3,303.31	22.65	14.31	-78.26	-991.79	967.24	472.77	436.01	36.76	12.862	
3,700.00	3,426.66	3,393.02	3,392.88	23.40	14.68	-83.11	-992.66	967.08	464.07	426.05	38.02	12.207	
3,800.00	3,515.74	3,483.02	3,482.86	24.15	15.06	-88.00	-994.28	967.14	459.49	420.29	39.21	11.719	
3,861.97	3,570.94	3,538.75	3,538.57	24.62	15.29	-91.00	-995.79	967.36	458.70	418.80	39.90	11.495	CC
3,900.00	3,604.82	3,572.93	3,572.73	24.91	15.44	-92.83	-996.81	967.56	459.00	418.68	40.31	11.386	ES
4,000.00	3,693.89	3,663.14	3,662.90	25.66	15.82	-97.59	-999.73	968.27	462.55	421.22	41.33	11.192	
4,100.00	3,782.97	3,753.50	3,753.20	26.42	16.19	-102.26	-1,002.64	969.02	469.97	427.72	42.25	11.123	SF
4,200.00	3,872.05	3,843.71	3,843.37	27.18	16.57	-106.80	-1,005.42	969.70	481.09	438.00	43.09	11.165	
4,300.00	3,961.12	3,934.01	3,933.63	27.94	16.95	-111.17	-1,007.95	970.23	495.72	451.86	43.85	11.305	
4,400.00	4,050.20	4,024.46	4,024.05	28.69	17.33	-115.33	-1,010.46	970.61	513.47	468.91	44.55	11.524	
4,500.00	4,139.28	4,113.52	4,113.08	29.45	17.71	-119.18	-1,012.78	971.00	534.23	489.03	45.20	11.819	
4,600.00	4,228.35	4,203.21	4,202.74	30.21	18.09	-122.82	-1,014.92	971.30	557.71	511.88	45.83	12.169	
4,700.00	4,317.43	4,292.14	4,291.64	30.97	18.46	-126.17	-1,016.88	971.57	583.60	537.16	46.43	12.569	
4,800.00	4,406.51	4,381.32	4,380.80	31.73	18.84	-129.28	-1,018.68	971.83	611.64	564.61	47.04	13.003	
4,900.00	4,495.59	4,471.13	4,470.60	32.50	19.21	-132.19	-1,020.33	971.88	641.52	593.87	47.65	13.463	

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

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

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,561.58	4,561.04	33.26	19.60	-134.90	-1,021.94	971.67	672.92	624.63	48.29	13.936	
5,100.00	4,673.74	4,650.99	4,650.43	34.02	19.97	-137.36	-1,023.60	971.41	705.60	656.68	48.92	14.424	
5,200.00	4,762.82	4,738.84	4,738.27	34.78	20.34	-139.57	-1,025.09	971.25	739.62	690.07	49.55	14.926	
5,300.00	4,851.89	4,826.21	4,825.63	35.54	20.71	-141.59	-1,026.35	971.33	774.94	724.74	50.19	15.439	
5,400.00	4,940.97	4,913.89	4,913.30	36.31	21.08	-143.43	-1,027.44	971.72	811.35	760.49	50.86	15.952	
5,500.00	5,030.05	5,000.16	4,999.56	37.07	21.45	-145.10	-1,028.22	972.08	848.81	797.28	51.53	16.473	
5,600.00	5,119.12	5,091.49	5,090.90	37.83	21.83	-146.75	-1,028.93	972.14	887.01	834.73	52.28	16.967	
5,700.00	5,208.20	5,177.36	5,176.76	38.60	22.20	-148.19	-1,029.54	972.05	925.85	872.89	52.96	17.481	
5,800.00	5,297.28	5,264.42	5,263.83	39.36	22.56	-149.54	-1,029.84	972.03	965.54	911.86	53.68	17.987	
5,900.00	5,386.35	5,353.59	5,352.99	40.13	22.94	-150.83	-1,030.04	971.86	1,005.80	951.36	54.44	18.476	
6,000.00	5,475.43	5,440.73	5,440.13	40.89	23.31	-152.02	-1,030.24	971.40	1,046.47	991.29	55.18	18.966	
6,100.00	5,564.51	5,524.85	5,524.25	41.66	23.67	-153.10	-1,030.09	970.69	1,087.88	1,032.00	55.88	19.468	
6,200.00	5,653.58	5,610.00	5,609.40	42.42	24.03	-154.12	-1,029.63	969.95	1,129.97	1,073.36	56.61	19.961	
6,300.00	5,742.66	5,695.03	5,694.41	43.19	24.39	-155.07	-1,028.91	969.18	1,172.64	1,115.30	57.34	20.449	
6,400.00	5,831.74	5,784.31	5,783.69	43.95	24.77	-156.00	-1,028.02	968.41	1,215.71	1,157.56	58.15	20.906	
6,500.00	5,920.82	5,872.42	5,871.79	44.72	25.14	-156.85	-1,027.18	967.84	1,258.99	1,200.04	58.95	21.356	
6,600.00	6,009.89	5,962.10	5,961.46	45.48	25.52	-157.66	-1,026.31	967.29	1,302.50	1,242.71	59.78	21.787	
6,700.00	6,098.97	6,043.58	6,042.94	46.25	25.86	-158.35	-1,025.48	966.75	1,346.25	1,285.75	60.50	22.252	
6,800.00	6,188.05	6,120.66	6,120.00	47.01	26.19	-158.96	-1,024.00	966.25	1,390.96	1,329.80	61.16	22.743	
6,900.00	6,277.12	6,205.89	6,205.21	47.78	26.55	-159.60	-1,022.02	965.55	1,436.21	1,374.27	61.94	23.185	
7,000.00	6,366.20	6,281.74	6,281.03	48.55	26.87	-160.14	-1,019.86	964.89	1,482.07	1,419.48	62.60	23.677	
7,100.00	6,455.28	6,369.04	6,368.27	49.31	27.24	-160.72	-1,016.91	964.44	1,528.49	1,465.07	63.42	24.099	
7,197.64	6,542.25	6,472.62	6,471.81	50.06	27.68	-161.32	-1,013.82	964.84	1,573.50	1,508.98	64.51	24.391	
7,200.00	6,544.35	6,475.33	6,474.52	50.08	27.69	-161.83	-1,013.76	964.86	1,574.57	1,510.03	64.54	24.397	
7,250.00	6,589.22	6,534.88	6,534.05	50.44	27.94	-172.97	-1,012.67	965.30	1,596.94	1,531.76	65.18	24.499	
7,300.00	6,634.48	6,596.61	6,595.78	50.77	28.20	175.44	-1,012.17	965.82	1,618.46	1,552.61	65.85	24.577	
7,350.00	6,679.86	6,650.19	6,649.36	51.06	28.43	163.88	-1,012.17	966.18	1,639.09	1,572.68	66.40	24.683	
7,400.00	6,725.09	6,703.36	6,702.52	51.31	28.65	152.92	-1,012.46	966.31	1,658.86	1,591.91	66.95	24.776	
7,450.00	6,769.87	6,748.77	6,747.94	51.52	28.85	142.97	-1,012.83	966.31	1,677.81	1,610.40	67.41	24.889	
7,500.00	6,813.94	6,793.96	6,793.12	51.69	29.04	134.31	-1,013.23	966.24	1,695.99	1,628.11	67.88	24.985	
7,550.00	6,857.03	6,841.19	6,840.35	51.84	29.24	127.02	-1,013.73	966.11	1,713.32	1,644.93	68.39	25.051	
7,600.00	6,898.86	6,887.69	6,886.85	51.95	29.44	120.98	-1,014.34	965.91	1,729.78	1,660.86	68.92	25.097	
7,650.00	6,939.19	6,929.01	6,928.16	52.05	29.61	115.93	-1,014.95	965.70	1,745.41	1,675.99	69.42	25.143	
7,700.00	6,977.75	6,967.24	6,966.38	52.13	29.78	111.74	-1,015.51	965.48	1,760.33	1,690.42	69.92	25.177	
7,750.00	7,014.32	7,003.64	7,002.79	52.20	29.93	108.28	-1,016.03	965.26	1,774.61	1,704.17	70.44	25.193	
7,800.00	7,048.67	7,039.00	7,038.14	52.26	30.08	105.42	-1,016.54	965.06	1,788.28	1,717.27	71.01	25.185	
7,850.00	7,080.59	7,071.85	7,070.98	52.33	30.22	103.03	-1,017.02	964.89	1,801.39	1,729.79	71.60	25.158	
7,900.00	7,109.87	7,101.99	7,101.12	52.39	30.35	101.02	-1,017.47	964.75	1,814.02	1,741.79	72.24	25.112	
7,950.00	7,136.35	7,128.81	7,127.94	52.47	30.46	99.28	-1,017.87	964.63	1,826.24	1,753.34	72.90	25.051	
8,000.00	7,159.85	7,152.67	7,151.80	52.55	30.57	97.78	-1,018.23	964.52	1,838.12	1,764.51	73.61	24.972	
8,050.00	7,180.23	7,173.40	7,172.53	52.64	30.65	96.45	-1,018.54	964.43	1,849.70	1,775.35	74.35	24.877	
8,100.00	7,197.37	7,190.87	7,189.99	52.75	30.73	95.25	-1,018.80	964.35	1,861.03	1,785.89	75.14	24.769	
8,150.00	7,211.16	8,150.00	7,204.09	52.88	34.81	94.16	-1,019.01	964.29	1,872.13	1,792.15	79.98	23.408	
8,200.00	7,221.51	7,215.62	7,214.74	53.03	30.83	93.14	-1,019.17	964.24	1,883.02	1,806.22	76.80	24.520	
8,250.00	7,228.37	7,222.74	7,221.86	53.20	30.86	92.18	-1,019.28	964.21	1,893.69	1,816.04	77.66	24.386	
8,300.00	7,231.68	7,226.30	7,225.42	53.40	30.88	91.29	-1,019.33	964.19	1,904.12	1,825.60	78.52	24.249	
8,317.45	7,232.00	7,226.70	7,225.81	53.47	30.88	90.98	-1,019.34	964.19	1,907.70	1,828.88	78.83	24.201	
8,400.00	7,232.48	7,227.55	7,226.66	53.86	30.88	91.01	-1,019.35	964.19	1,926.24	1,845.96	80.29	23.992	
8,500.00	7,233.06	7,228.57	7,227.69	54.44	30.89	91.04	-1,019.36	964.18	1,953.14	1,871.06	82.08	23.794	
8,600.00	7,233.64	7,229.60	7,228.71	55.14	30.89	91.07	-1,019.38	964.18	1,984.72	1,900.84	83.88	23.660	
8,700.00	7,234.22	7,230.62	7,229.74	55.99	30.90	91.10	-1,019.40	964.17	2,020.76	1,935.11	85.65	23.593	
8,800.00	7,234.80	7,231.65	7,230.76	57.00	30.90	91.14	-1,019.41	964.17	2,061.03	1,973.66	87.36	23.591	

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

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

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,232.67	7,231.79	58.18	30.91	91.17	-1,019.43	964.16	2,105.28	2,016.27	89.01	23.653	
9,000.00	7,235.97	7,233.70	7,232.81	59.53	30.91	91.20	-1,019.44	964.16	2,153.26	2,062.70	90.57	23.776	
9,100.00	7,236.55	7,234.73	7,233.84	61.04	30.91	91.23	-1,019.46	964.15	2,204.74	2,112.71	92.03	23.956	
9,200.00	7,237.13	7,235.75	7,234.86	62.69	30.92	91.26	-1,019.47	964.15	2,259.48	2,166.07	93.41	24.190	
9,300.00	7,237.71	7,236.78	7,235.89	64.47	30.92	91.29	-1,019.49	964.15	2,317.24	2,222.55	94.68	24.473	
9,400.00	7,238.29	7,237.80	7,236.92	66.36	30.93	91.32	-1,019.50	964.14	2,377.80	2,281.93	95.87	24.803	
9,500.00	7,238.87	7,238.83	7,237.94	68.34	30.93	91.36	-1,019.52	964.14	2,440.96	2,343.99	96.96	25.174	
9,600.00	7,239.45	7,239.86	7,238.97	70.41	30.94	91.39	-1,019.53	964.13	2,506.51	2,408.54	97.97	25.584	
9,700.00	7,240.03	7,240.88	7,239.99	72.55	30.94	91.42	-1,019.55	964.13	2,574.28	2,475.38	98.90	26.029	
9,800.00	7,240.61	7,241.91	7,241.02	74.76	30.95	91.45	-1,019.57	964.12	2,644.10	2,544.35	99.75	26.507	
9,900.00	7,241.20	7,242.93	7,242.04	77.02	30.95	91.48	-1,019.58	964.12	2,715.81	2,615.27	100.53	27.014	
10,000.00	7,241.78	7,243.96	7,243.07	79.33	30.95	91.51	-1,019.60	964.11	2,789.25	2,688.00	101.25	27.548	
10,100.00	7,242.36	7,244.98	7,244.10	81.68	30.96	91.54	-1,019.61	964.11	2,864.31	2,762.40	101.91	28.107	
10,200.00	7,242.94	7,246.01	7,245.12	84.07	30.96	91.58	-1,019.63	964.10	2,940.85	2,838.34	102.51	28.689	
10,300.00	7,243.52	7,247.04	7,246.15	86.49	30.97	91.61	-1,019.64	964.10	3,018.76	2,915.70	103.06	29.291	
10,400.00	7,244.10	7,248.06	7,247.17	88.95	30.97	91.64	-1,019.66	964.09	3,097.94	2,994.37	103.57	29.912	
10,500.00	7,244.68	7,249.09	7,248.20	91.43	30.98	91.67	-1,019.67	964.09	3,178.29	3,074.26	104.03	30.551	
10,600.00	7,245.26	7,250.11	7,249.22	93.93	30.98	91.70	-1,019.69	964.09	3,259.73	3,155.28	104.46	31.206	
10,700.00	7,245.84	7,251.14	7,250.25	96.46	30.98	91.73	-1,019.70	964.08	3,342.18	3,237.33	104.85	31.876	
10,800.00	7,246.42	7,252.17	7,251.28	99.01	30.99	91.77	-1,019.72	964.08	3,425.56	3,320.35	105.21	32.559	
10,900.00	7,247.01	7,253.19	7,252.30	101.58	30.99	91.80	-1,019.73	964.07	3,509.82	3,404.27	105.54	33.255	
11,000.00	7,247.59	7,254.22	7,253.33	104.16	31.00	91.83	-1,019.75	964.07	3,594.87	3,489.02	105.85	33.962	
11,100.00	7,248.17	7,255.24	7,254.35	106.76	31.00	91.86	-1,019.77	964.06	3,680.68	3,574.55	106.13	34.680	
11,200.00	7,248.75	7,256.27	7,255.38	109.37	31.01	91.89	-1,019.78	964.06	3,767.19	3,660.80	106.39	35.408	
11,300.00	7,249.33	7,257.30	7,256.41	112.00	31.01	91.92	-1,019.80	964.05	3,854.35	3,747.72	106.64	36.145	
11,400.00	7,249.91	7,258.32	7,257.43	114.64	31.02	91.95	-1,019.81	964.05	3,942.12	3,835.26	106.86	36.890	
11,500.00	7,250.49	7,259.35	7,258.46	117.29	31.02	91.99	-1,019.83	964.04	4,030.46	3,923.39	107.07	37.644	
11,600.00	7,251.07	7,260.38	7,259.48	119.95	31.02	92.02	-1,019.84	964.04	4,119.33	4,012.07	107.26	38.405	
11,700.00	7,251.65	7,261.40	7,260.51	122.62	31.03	92.05	-1,019.86	964.03	4,208.71	4,101.27	107.44	39.172	
11,800.00	7,252.23	7,262.43	7,261.54	125.30	31.03	92.08	-1,019.87	964.03	4,298.55	4,190.94	107.61	39.946	
11,900.00	7,252.82	7,263.45	7,262.56	127.98	31.04	92.11	-1,019.89	964.03	4,388.83	4,281.06	107.77	40.725	
12,000.00	7,253.40	7,264.48	7,263.59	130.68	31.04	92.14	-1,019.90	964.02	4,479.52	4,371.61	107.91	41.511	
12,100.00	7,253.98	7,265.51	7,264.62	133.38	31.05	92.17	-1,019.92	964.02	4,570.60	4,462.55	108.05	42.301	
12,200.00	7,254.56	7,266.53	7,265.64	136.09	31.05	92.21	-1,019.94	964.01	4,662.04	4,553.86	108.18	43.096	
12,300.00	7,255.14	7,267.56	7,266.67	138.81	31.05	92.24	-1,019.95	964.01	4,753.83	4,645.53	108.30	43.895	
12,400.00	7,255.72	7,268.59	7,267.69	141.53	31.06	92.27	-1,019.97	964.00	4,845.95	4,737.53	108.41	44.699	
12,500.00	7,256.30	7,269.61	7,268.72	144.26	31.06	92.30	-1,019.98	964.00	4,938.37	4,829.85	108.52	45.506	
12,600.00	7,256.88	7,270.64	7,269.75	146.99	31.07	92.33	-1,020.00	963.99	5,031.08	4,922.46	108.62	46.317	
12,700.00	7,257.46	7,271.66	7,270.77	149.73	31.07	92.36	-1,020.01	963.99	5,124.06	5,015.34	108.72	47.131	
12,800.00	7,258.04	7,272.69	7,271.80	152.47	31.08	92.39	-1,020.03	963.98	5,217.31	5,108.50	108.81	47.948	
12,900.00	7,258.63	7,273.72	7,272.82	155.22	31.08	92.43	-1,020.04	963.98	5,310.80	5,201.90	108.90	48.769	
13,000.00	7,259.21	7,274.74	7,273.85	157.97	31.09	92.46	-1,020.06	963.98	5,404.52	5,295.54	108.98	49.592	
13,100.00	7,259.79	7,275.77	7,274.88	160.72	31.09	92.49	-1,020.07	963.97	5,498.46	5,389.40	109.06	50.417	
13,200.00	7,260.37	7,276.80	7,275.90	163.48	31.09	92.52	-1,020.09	963.97	5,592.62	5,483.48	109.13	51.245	
13,300.00	7,260.95	7,277.82	7,276.93	166.24	31.10	92.55	-1,020.11	963.96	5,686.97	5,577.76	109.21	52.075	
13,400.00	7,261.53	7,278.85	7,277.96	169.01	31.10	92.58	-1,020.12	963.96	5,781.51	5,672.24	109.28	52.907	
13,480.77	7,262.00	7,279.68	7,278.79	171.24	31.11	92.61	-1,020.13	963.95	5,858.01	5,748.68	109.33	53.581	

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

Offset Design Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	70.48	332.63	938.02	995.94				
100.00	100.00	65.00	64.99	3.28	3.28	70.47	332.69	937.93	995.19	988.62	6.57	151.528	
200.00	200.00	167.52	167.52	3.34	3.32	70.45	332.96	937.46	994.85	988.19	6.66	149.473	
300.00	300.00	266.89	266.89	3.44	3.41	70.42	333.16	936.90	994.38	987.53	6.85	145.073	
400.00	399.98	363.05	363.05	3.60	3.54	-84.81	333.24	936.63	993.99	986.85	7.14	139.234	
500.00	499.84	457.28	457.28	3.79	3.71	-85.09	333.27	936.88	993.79	986.29	7.50	132.522	
510.23	510.05	466.86	466.86	3.81	3.73	-85.13	333.26	936.95	993.79	986.25	7.54	131.793	CC
600.00	599.45	548.65	548.64	4.02	3.91	-85.51	333.08	937.85	994.00	986.07	7.93	125.352	ES
700.00	698.70	640.60	640.57	4.29	4.14	-86.08	332.75	939.79	994.95	986.52	8.43	118.033	
800.00	797.47	736.65	736.58	4.59	4.41	-86.84	332.27	942.34	996.29	987.29	9.00	110.693	
900.00	895.62	833.48	833.37	4.93	4.71	-87.78	331.60	945.19	997.88	988.25	9.63	103.619	
1,000.00	993.06	931.62	931.46	5.31	5.02	-88.90	330.88	948.26	999.86	989.54	10.32	96.922	
1,100.00	1,089.64	1,031.74	1,031.53	5.72	5.36	-90.22	329.87	951.15	1,001.93	990.87	11.06	90.609	
1,200.00	1,185.27	1,125.73	1,125.48	6.16	5.68	-91.61	328.81	953.97	1,004.71	992.89	11.83	84.964	
1,300.00	1,279.82	1,220.22	1,219.91	6.64	6.02	-93.17	327.94	956.91	1,008.60	995.97	12.64	79.807	
1,400.00	1,373.17	1,318.00	1,317.65	7.15	6.38	-94.94	326.96	959.73	1,013.47	999.97	13.51	75.040	
1,500.00	1,465.21	1,409.86	1,409.47	7.70	6.72	-96.73	326.27	962.12	1,019.77	1,005.38	14.39	70.853	
1,600.00	1,555.84	1,500.15	1,499.73	8.30	7.06	-98.60	325.76	964.48	1,028.02	1,012.71	15.31	67.133	
1,651.50	1,601.92	1,548.38	1,547.94	8.62	7.24	-99.64	325.49	965.71	1,033.09	1,017.28	15.81	65.354	
1,700.00	1,645.13	1,593.54	1,593.09	8.93	7.42	-100.73	325.25	966.76	1,038.28	1,022.00	16.28	63.781	
1,800.00	1,734.20	1,694.25	1,693.79	9.58	7.80	-103.13	324.69	968.36	1,049.77	1,032.48	17.29	60.701	
1,900.00	1,823.28	1,790.04	1,789.57	10.25	8.17	-105.39	323.99	968.95	1,062.24	1,043.94	18.30	58.056	
2,000.00	1,912.36	1,881.45	1,880.98	10.94	8.53	-107.51	323.17	969.18	1,076.06	1,056.78	19.28	55.799	
2,100.00	2,001.43	1,967.75	1,967.27	11.63	8.87	-109.47	322.45	969.38	1,091.57	1,071.32	20.25	53.904	
2,200.00	2,090.51	2,059.33	2,058.85	12.34	9.23	-111.51	321.93	969.59	1,108.85	1,087.61	21.24	52.214	
2,300.00	2,179.59	2,149.98	2,149.50	13.05	9.59	-113.47	321.19	969.56	1,127.33	1,105.11	22.21	50.747	
2,400.00	2,268.66	2,237.48	2,237.00	13.76	9.95	-115.32	320.59	969.58	1,147.38	1,124.21	23.17	49.517	
2,500.00	2,357.74	2,324.41	2,323.93	14.49	10.30	-117.09	320.05	969.70	1,168.93	1,144.81	24.12	48.466	
2,600.00	2,446.82	2,407.89	2,407.40	15.21	10.63	-118.75	319.89	969.91	1,192.14	1,167.10	25.04	47.613	
2,700.00	2,535.89	2,495.74	2,495.26	15.95	10.99	-120.45	319.97	970.20	1,216.84	1,190.87	25.97	46.850	
2,800.00	2,624.97	2,586.83	2,586.35	16.68	11.36	-122.15	320.05	970.45	1,242.70	1,215.78	26.92	46.164	
2,900.00	2,714.05	2,680.34	2,679.86	17.42	11.74	-123.83	320.00	970.49	1,269.43	1,241.55	27.87	45.545	
3,000.00	2,803.12	2,772.29	2,771.80	18.16	12.12	-125.43	319.76	970.25	1,296.92	1,268.11	28.81	45.017	
3,100.00	2,892.20	2,869.33	2,868.85	18.90	12.52	-127.06	319.28	969.74	1,325.10	1,295.33	29.77	44.509	
3,200.00	2,981.28	2,965.89	2,965.39	19.65	12.92	-128.61	318.12	969.19	1,353.61	1,322.88	30.73	44.052	
3,300.00	3,070.36	3,049.25	3,048.75	20.40	13.26	-129.90	316.96	968.72	1,382.83	1,351.24	31.60	43.764	
3,400.00	3,159.43	3,131.33	3,130.82	21.14	13.60	-131.12	316.45	968.44	1,413.55	1,381.10	32.45	43.559	
3,500.00	3,248.51	3,222.44	3,221.92	21.89	13.98	-132.42	315.81	968.27	1,445.01	1,411.65	33.36	43.317	
3,600.00	3,337.59	3,307.04	3,306.53	22.65	14.33	-133.57	315.27	968.42	1,477.32	1,443.10	34.22	43.171	
3,700.00	3,426.66	3,394.44	3,393.92	23.40	14.70	-134.70	314.75	969.07	1,510.46	1,475.36	35.10	43.037	
3,800.00	3,515.74	3,477.02	3,476.49	24.15	15.04	-135.71	314.31	970.32	1,544.43	1,508.49	35.94	42.974	
3,900.00	3,604.82	3,585.13	3,584.58	24.91	15.49	-136.94	313.36	972.66	1,578.80	1,541.84	36.97	42.710	
4,000.00	3,693.89	3,681.56	3,680.97	25.66	15.90	-138.00	311.59	974.21	1,612.65	1,574.75	37.91	42.544	
4,100.00	3,782.97	3,762.12	3,761.52	26.42	16.23	-138.88	310.39	974.72	1,647.05	1,608.33	38.73	42.532	
4,200.00	3,872.05	3,842.42	3,841.82	27.18	16.57	-139.73	309.76	975.25	1,682.51	1,642.98	39.54	42.554	
4,300.00	3,961.12	3,925.27	3,924.66	27.94	16.92	-140.60	309.55	975.37	1,718.78	1,678.42	40.36	42.582	
4,400.00	4,050.20	4,009.50	4,008.90	28.69	17.27	-141.45	309.63	975.62	1,755.79	1,714.59	41.20	42.618	
4,500.00	4,139.28	4,108.45	4,107.85	29.45	17.69	-142.41	309.56	975.79	1,793.03	1,750.88	42.15	42.543	
4,600.00	4,228.35	4,199.21	4,198.61	30.21	18.07	-143.26	309.28	975.66	1,830.36	1,787.33	43.03	42.537	
4,700.00	4,317.43	4,299.94	4,299.33	30.97	18.49	-144.17	308.63	975.20	1,867.72	1,823.73	43.99	42.457	
4,800.00	4,406.51	4,394.05	4,393.44	31.73	18.89	-145.00	307.64	974.60	1,905.03	1,860.13	44.90	42.428	
4,900.00	4,495.59	4,525.82	4,525.17	32.50	19.44	-146.11	304.76	973.44	1,941.66	1,895.56	46.10	42.122	

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

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

Offset Design Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,663.03	4,662.21	33.26	20.03	-147.22	298.51	971.34	1,976.34	1,929.03	47.31	41.771	
5,100.00	4,673.74	4,765.05	4,764.03	34.02	20.46	-148.01	292.26	969.81	2,009.91	1,961.63	48.28	41.630	
5,200.00	4,762.82	4,852.29	4,851.09	34.78	20.83	-148.64	286.84	969.08	2,043.74	1,994.59	49.15	41.585	
5,300.00	4,851.89	4,935.12	4,933.78	35.54	21.18	-149.22	281.93	968.57	2,078.10	2,028.12	49.98	41.579	
5,400.00	4,940.97	5,012.95	5,011.50	36.31	21.51	-149.76	277.72	967.86	2,113.15	2,062.38	50.77	41.619	
5,500.00	5,030.05	5,080.72	5,079.19	37.07	21.80	-150.22	274.67	967.20	2,149.25	2,097.76	51.49	41.744	
5,600.00	5,119.12	5,152.89	5,151.31	37.83	22.11	-150.70	272.13	966.54	2,186.46	2,134.23	52.23	41.865	
5,700.00	5,208.20	5,223.82	5,222.21	38.60	22.41	-151.16	270.18	965.78	2,224.58	2,171.63	52.95	42.012	
5,800.00	5,297.28	5,289.36	5,287.74	39.36	22.69	-151.57	269.05	964.97	2,263.80	2,210.18	53.62	42.217	
5,900.00	5,386.35	5,367.19	5,365.56	40.13	23.01	-152.06	268.36	963.86	2,303.96	2,249.56	54.39	42.357	
6,000.00	5,475.43	5,439.40	5,437.76	40.89	23.32	-152.51	268.06	962.64	2,344.74	2,289.63	55.11	42.545	
6,100.00	5,564.51	5,505.95	5,504.29	41.66	23.60	-152.91	268.40	961.32	2,386.51	2,330.73	55.77	42.788	
6,200.00	5,653.58	5,575.25	5,573.57	42.42	23.89	-153.32	269.33	959.85	2,429.20	2,372.74	56.46	43.028	
6,300.00	5,742.66	5,677.69	5,675.97	43.19	24.32	-153.91	271.02	957.77	2,472.36	2,414.91	57.44	43.039	
6,400.00	5,831.74	5,816.30	5,814.56	43.95	24.90	-154.66	271.19	955.34	2,514.27	2,455.51	58.76	42.789	
6,500.00	5,920.82	5,917.02	5,915.26	44.72	25.33	-155.17	270.13	954.19	2,555.28	2,495.54	59.74	42.777	
6,600.00	6,009.89	6,010.65	6,008.89	45.48	25.73	-155.62	268.88	953.32	2,596.17	2,535.52	60.65	42.805	
6,700.00	6,098.97	6,087.10	6,085.32	46.25	26.05	-155.98	268.02	952.69	2,637.34	2,575.93	61.41	42.943	
6,800.00	6,188.05	6,174.45	6,172.67	47.01	26.42	-156.38	267.27	952.11	2,678.88	2,616.60	62.28	43.016	
6,900.00	6,277.12	6,267.42	6,265.63	47.78	26.81	-156.79	266.43	951.40	2,720.49	2,657.30	63.19	43.053	
7,000.00	6,366.20	6,355.83	6,354.03	48.55	27.19	-157.17	265.53	950.62	2,762.11	2,698.05	64.06	43.117	
7,100.00	6,455.28	6,444.76	6,442.96	49.31	27.57	-157.54	264.71	949.93	2,803.92	2,738.99	64.94	43.178	
7,197.64	6,542.25	6,531.97	6,530.16	50.06	27.94	-157.88	263.86	949.40	2,844.78	2,778.98	65.80	43.234	
7,200.00	6,544.35	6,533.94	6,532.13	50.08	27.95	-158.38	263.84	949.39	2,845.77	2,779.95	65.82	43.236	
7,250.00	6,589.22	6,575.92	6,574.12	50.44	28.12	-169.26	263.48	949.16	2,866.72	2,800.49	66.23	43.283	
7,300.00	6,634.48	6,620.55	6,618.75	50.77	28.31	179.18	263.13	948.93	2,887.54	2,820.88	66.66	43.317	
7,350.00	6,679.86	6,668.37	6,666.56	51.06	28.52	167.49	262.73	948.62	2,908.02	2,840.91	67.11	43.330	
7,400.00	6,725.09	6,714.45	6,712.63	51.31	28.71	156.29	262.31	948.24	2,928.05	2,860.50	67.55	43.349	
7,450.00	6,769.87	6,756.93	6,755.11	51.52	28.89	146.03	261.94	947.81	2,947.56	2,879.61	67.95	43.380	
7,500.00	6,813.94	6,798.77	6,796.95	51.69	29.07	137.01	261.60	947.31	2,966.50	2,898.15	68.35	43.402	
7,550.00	6,857.03	6,843.16	6,841.33	51.84	29.26	129.29	261.24	946.71	2,984.77	2,915.98	68.78	43.394	
7,600.00	6,898.86	6,886.48	6,884.65	51.95	29.44	122.76	260.88	946.06	3,002.28	2,933.05	69.22	43.371	
7,650.00	6,939.19	6,925.79	6,923.95	52.05	29.61	117.25	260.54	945.45	3,019.01	2,949.36	69.65	43.347	
7,700.00	6,977.75	6,962.20	6,960.35	52.13	29.77	112.60	260.27	944.93	3,034.97	2,964.90	70.07	43.312	
7,750.00	7,014.32	6,996.66	6,994.81	52.20	29.91	108.69	260.04	944.50	3,050.15	2,979.64	70.51	43.258	
7,800.00	7,048.67	7,033.17	7,031.32	52.26	30.07	105.44	259.80	944.12	3,064.51	2,993.51	71.01	43.159	
7,850.00	7,080.59	7,067.48	7,065.62	52.33	30.21	102.70	259.56	943.82	3,078.03	3,006.51	71.52	43.034	
7,900.00	7,109.87	7,098.87	7,097.02	52.39	30.35	100.38	259.33	943.62	3,090.72	3,018.65	72.07	42.886	
7,950.00	7,136.35	7,125.72	7,123.86	52.47	30.46	98.38	259.12	943.47	3,102.60	3,029.98	72.62	42.722	
8,000.00	7,159.85	7,149.53	7,147.67	52.55	30.56	96.68	258.93	943.33	3,113.70	3,040.49	73.21	42.530	
8,050.00	7,180.23	7,170.23	7,168.37	52.64	30.65	95.22	258.77	943.22	3,124.02	3,050.19	73.83	42.312	
8,100.00	7,197.37	7,187.68	7,185.82	52.75	30.72	93.98	258.63	943.12	3,133.57	3,059.08	74.49	42.069	
8,150.00	7,211.16	7,201.77	7,199.91	52.88	30.78	92.92	258.52	943.04	3,142.36	3,067.18	75.17	41.801	
8,200.00	7,221.51	7,212.43	7,210.57	53.03	30.83	92.03	258.44	942.98	3,150.37	3,074.48	75.89	41.512	
8,250.00	7,228.37	7,219.58	7,217.72	53.20	30.86	91.30	258.38	942.94	3,157.61	3,080.98	76.63	41.206	
8,300.00	7,231.68	7,223.18	7,221.32	53.40	30.88	90.70	258.35	942.92	3,164.06	3,086.67	77.39	40.887	
8,317.45	7,232.00	7,223.60	7,221.73	53.47	30.88	90.53	258.35	942.92	3,166.12	3,088.47	77.65	40.773	
8,400.00	7,232.48	7,224.54	7,222.67	53.86	30.88	90.54	258.34	942.91	3,176.69	3,097.72	78.96	40.231	
8,500.00	7,233.06	7,225.67	7,223.81	54.44	30.89	90.56	258.33	942.91	3,192.30	3,111.66	80.64	39.585	
8,600.00	7,233.64	7,226.81	7,224.95	55.14	30.89	90.58	258.32	942.90	3,210.95	3,128.54	82.41	38.963	
8,700.00	7,234.22	7,227.95	7,226.09	55.99	30.90	90.60	258.31	942.89	3,232.59	3,148.35	84.24	38.375	
8,800.00	7,234.80	7,229.09	7,227.22	57.00	30.90	90.63	258.30	942.89	3,257.16	3,171.05	86.10	37.828	

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

Offset Design Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,230.22	7,228.36	58.18	30.91	90.65	258.30	942.88	3,284.59	3,196.59	87.99	37.327	
9,000.00	7,235.97	7,231.36	7,229.50	59.53	30.91	90.67	258.29	942.87	3,314.81	3,224.92	89.89	36.876	
9,100.00	7,236.55	7,232.50	7,230.64	61.04	30.92	90.69	258.28	942.87	3,347.74	3,255.96	91.78	36.475	
9,200.00	7,237.13	7,233.64	7,231.77	62.69	30.92	90.71	258.27	942.86	3,383.31	3,289.66	93.65	36.127	
9,300.00	7,237.71	7,234.77	7,232.91	64.47	30.92	90.73	258.26	942.86	3,421.43	3,325.94	95.49	35.829	
9,400.00	7,238.29	7,235.91	7,234.05	66.36	30.93	90.75	258.25	942.85	3,462.03	3,364.73	97.30	35.581	
9,500.00	7,238.87	7,237.05	7,235.18	68.34	30.93	90.77	258.24	942.84	3,505.00	3,405.94	99.06	35.382	
9,600.00	7,239.45	7,238.18	7,236.32	70.41	30.94	90.79	258.23	942.84	3,550.28	3,449.50	100.78	35.229	
9,700.00	7,240.03	7,239.32	7,237.46	72.55	30.94	90.81	258.22	942.83	3,597.76	3,495.32	102.44	35.121	
9,800.00	7,240.61	7,240.46	7,238.60	74.76	30.95	90.83	258.22	942.82	3,647.37	3,543.32	104.05	35.055	
9,900.00	7,241.20	7,241.60	7,239.73	77.02	30.95	90.85	258.21	942.82	3,699.01	3,593.41	105.60	35.029	SF
10,000.00	7,241.78	7,242.73	7,240.87	79.33	30.96	90.87	258.20	942.81	3,752.61	3,645.52	107.09	35.041	
10,100.00	7,242.36	7,243.87	7,242.01	81.68	30.96	90.89	258.19	942.80	3,808.08	3,699.56	108.53	35.089	
10,200.00	7,242.94	7,245.01	7,243.14	84.07	30.97	90.92	258.18	942.80	3,865.34	3,755.44	109.90	35.170	
10,300.00	7,243.52	7,246.15	7,244.28	86.49	30.97	90.94	258.17	942.79	3,924.32	3,813.10	111.22	35.283	
10,400.00	7,244.10	7,247.28	7,245.42	88.95	30.98	90.96	258.16	942.79	3,984.93	3,872.45	112.49	35.426	
10,500.00	7,244.68	7,248.42	7,246.56	91.43	30.98	90.98	258.15	942.78	4,047.11	3,933.41	113.69	35.597	
10,600.00	7,245.26	7,249.56	7,247.69	93.93	30.99	91.00	258.14	942.77	4,110.77	3,995.93	114.85	35.794	
10,700.00	7,245.84	7,250.69	7,248.83	96.46	30.99	91.02	258.14	942.77	4,175.86	4,059.92	115.95	36.015	
10,800.00	7,246.42	7,251.83	7,249.97	99.01	31.00	91.04	258.13	942.76	4,242.31	4,125.32	117.00	36.260	
10,900.00	7,247.01	7,252.97	7,251.10	101.58	31.00	91.06	258.12	942.75	4,310.06	4,192.06	118.00	36.526	
11,000.00	7,247.59	7,254.10	7,252.24	104.16	31.01	91.08	258.11	942.75	4,379.04	4,260.08	118.95	36.813	
11,100.00	7,248.17	7,255.24	7,253.38	106.76	31.01	91.10	258.10	942.74	4,449.20	4,329.33	119.86	37.119	
11,200.00	7,248.75	7,256.38	7,254.51	109.37	31.02	91.12	258.09	942.73	4,520.48	4,399.75	120.73	37.442	
11,300.00	7,249.33	7,257.52	7,255.65	112.00	31.02	91.14	258.08	942.73	4,592.83	4,471.27	121.56	37.783	
11,400.00	7,249.91	7,258.65	7,256.79	114.64	31.03	91.16	258.07	942.72	4,666.20	4,543.86	122.34	38.140	
11,500.00	7,250.49	7,259.79	7,257.92	117.29	31.03	91.18	258.06	942.72	4,740.55	4,617.46	123.09	38.512	
11,600.00	7,251.07	7,260.93	7,259.06	119.95	31.04	91.21	258.06	942.71	4,815.83	4,692.02	123.81	38.898	
11,700.00	7,251.65	7,262.06	7,260.20	122.62	31.04	91.23	258.05	942.70	4,891.99	4,767.50	124.49	39.297	
11,800.00	7,252.23	7,263.20	7,261.33	125.30	31.05	91.25	258.04	942.70	4,968.99	4,843.86	125.14	39.709	
11,900.00	7,252.82	7,264.34	7,262.47	127.98	31.05	91.27	258.03	942.69	5,046.81	4,921.05	125.75	40.133	
12,000.00	7,253.40	7,265.47	7,263.61	130.68	31.06	91.29	258.02	942.68	5,125.39	4,999.05	126.34	40.568	
12,100.00	7,253.98	7,266.61	7,264.75	133.38	31.06	91.31	258.01	942.68	5,204.71	5,077.80	126.90	41.013	
12,200.00	7,254.56	7,267.75	7,265.88	136.09	31.07	91.33	258.00	942.67	5,284.72	5,157.28	127.44	41.469	
12,300.00	7,255.14	7,268.88	7,267.02	138.81	31.07	91.35	257.99	942.66	5,365.41	5,237.46	127.95	41.934	
12,400.00	7,255.72	7,270.02	7,268.15	141.53	31.07	91.37	257.98	942.66	5,446.74	5,318.30	128.44	42.408	
12,500.00	7,256.30	7,271.16	7,269.29	144.26	31.08	91.39	257.98	942.65	5,528.68	5,399.78	128.90	42.890	
12,600.00	7,256.88	7,272.29	7,270.43	146.99	31.08	91.41	257.97	942.65	5,611.21	5,481.86	129.35	43.381	
12,700.00	7,257.46	7,273.43	7,271.56	149.73	31.09	91.43	257.96	942.64	5,694.30	5,564.52	129.77	43.879	
12,800.00	7,258.04	7,274.57	7,272.70	152.47	31.09	91.45	257.95	942.63	5,777.92	5,647.74	130.18	44.384	
12,900.00	7,258.63	7,275.70	7,273.84	155.22	31.10	91.47	257.94	942.63	5,862.05	5,731.48	130.57	44.896	
13,000.00	7,259.21	7,276.84	7,274.97	157.97	31.10	91.50	257.93	942.62	5,946.68	5,815.74	130.94	45.415	
13,100.00	7,259.79	7,277.98	7,276.11	160.72	31.11	91.52	257.92	942.61	6,031.77	5,900.48	131.30	45.940	
13,200.00	7,260.37	7,279.11	7,277.25	163.48	31.11	91.54	257.91	942.61	6,117.32	5,985.68	131.64	46.471	
13,300.00	7,260.95	7,280.25	7,278.38	166.24	31.12	91.56	257.90	942.60	6,203.30	6,071.34	131.97	47.007	
13,400.00	7,261.53	7,281.38	7,279.52	169.01	31.12	91.58	257.90	942.59	6,289.69	6,157.42	132.28	47.549	
13,480.77	7,262.00	7,282.30	7,280.44	171.24	31.13	91.59	257.89	942.59	6,359.77	6,227.24	132.52	47.990	

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

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	98.42	-235.29	1,589.35	1,607.36				
100.00	100.00	58.37	58.37	3.28	3.28	98.42	-235.19	1,589.27	1,606.59	1,600.02	6.57	244.640	
200.00	200.00	154.88	154.88	3.34	3.31	98.41	-234.78	1,588.95	1,606.20	1,599.55	6.65	241.617	
215.96	215.96	168.96	168.96	3.35	3.32	98.40	-234.74	1,588.95	1,606.19	1,599.52	6.67	240.807	
300.00	300.00	251.03	251.03	3.44	3.39	98.40	-234.63	1,589.10	1,606.33	1,599.50	6.84	234.987	
400.00	399.98	353.57	353.57	3.60	3.53	-56.79	-234.69	1,589.11	1,605.39	1,598.27	7.12	225.379	
500.00	499.84	444.17	444.17	3.79	3.69	-56.98	-234.58	1,589.21	1,602.63	1,595.16	7.47	214.449	
600.00	599.45	527.13	527.12	4.02	3.86	-57.28	-233.98	1,590.21	1,598.98	1,591.10	7.88	202.875	
700.00	698.70	612.43	612.40	4.29	4.07	-57.70	-233.43	1,592.02	1,594.43	1,586.07	8.36	190.762	
800.00	797.47	696.39	696.32	4.59	4.30	-58.22	-232.95	1,594.57	1,589.01	1,580.12	8.89	178.785	
900.00	895.62	787.13	787.00	4.93	4.57	-58.90	-232.41	1,597.98	1,582.62	1,573.13	9.49	166.814	
1,000.00	993.06	883.63	883.41	5.31	4.88	-59.75	-231.77	1,601.89	1,574.94	1,564.79	10.15	155.116	
1,100.00	1,089.64	977.10	976.79	5.72	5.19	-60.72	-231.02	1,605.78	1,565.92	1,555.06	10.86	144.218	
1,200.00	1,185.27	1,064.57	1,064.18	6.16	5.50	-61.75	-230.50	1,609.72	1,555.93	1,544.35	11.59	134.279	
1,300.00	1,279.82	1,154.40	1,153.90	6.64	5.82	-62.90	-230.78	1,614.20	1,545.31	1,532.94	12.37	124.950	
1,400.00	1,373.17	1,243.05	1,242.42	7.15	6.15	-64.18	-230.95	1,618.83	1,533.93	1,520.74	13.19	116.316	
1,500.00	1,465.21	1,326.96	1,326.19	7.70	6.47	-65.51	-230.93	1,623.65	1,522.25	1,508.21	14.04	108.453	
1,600.00	1,555.84	1,408.07	1,407.13	8.30	6.78	-66.94	-230.51	1,628.82	1,510.61	1,495.69	14.92	101.244	
1,651.50	1,601.92	1,447.89	1,446.86	8.62	6.94	-67.68	-230.25	1,631.58	1,504.77	1,489.39	15.39	97.798	
1,700.00	1,645.13	1,485.33	1,484.20	8.93	7.09	-68.29	-230.06	1,634.34	1,499.57	1,483.74	15.83	94.709	
1,800.00	1,734.20	1,566.67	1,565.28	9.58	7.43	-69.63	-229.48	1,640.76	1,490.21	1,473.42	16.79	88.735	
1,900.00	1,823.28	1,652.22	1,650.53	10.25	7.78	-71.06	-228.36	1,647.86	1,482.50	1,464.71	17.79	83.311	
2,000.00	1,912.36	1,744.82	1,742.80	10.94	8.17	-72.61	-227.71	1,655.68	1,476.13	1,457.28	18.85	78.329	
2,100.00	2,001.43	1,840.71	1,838.37	11.63	8.57	-74.20	-227.89	1,663.53	1,470.64	1,450.71	19.93	73.799	
2,200.00	2,090.51	1,938.70	1,936.05	12.34	8.98	-75.83	-228.10	1,671.24	1,466.09	1,445.06	21.03	69.700	
2,300.00	2,179.59	2,037.41	2,034.51	13.05	9.39	-77.48	-228.22	1,678.21	1,462.07	1,439.91	22.16	65.988	
2,400.00	2,268.66	2,127.73	2,124.62	13.76	9.76	-79.02	-227.88	1,684.38	1,459.24	1,435.98	23.25	62.753	
2,500.00	2,357.74	2,224.55	2,221.23	14.49	10.16	-80.68	-227.54	1,690.73	1,457.44	1,433.06	24.39	59.767	
2,600.00	2,446.82	2,324.12	2,320.62	15.21	10.57	-82.38	-227.56	1,696.79	1,456.46	1,430.93	25.53	57.038	
2,700.00	2,535.89	2,424.46	2,420.81	15.95	10.98	-84.09	-227.91	1,702.19	1,456.06	1,429.37	26.69	54.552	
2,700.07	2,535.96	2,424.52	2,420.87	15.95	10.98	-84.09	-227.91	1,702.20	1,456.06	1,429.37	26.69	54.551	CC
2,800.00	2,624.97	2,514.59	2,510.83	16.68	11.35	-85.64	-228.19	1,706.73	1,456.67	1,428.87	27.81	52.388	ES
2,900.00	2,714.05	2,599.27	2,595.39	17.42	11.69	-87.08	-228.41	1,711.18	1,458.78	1,429.88	28.89	50.486	
3,000.00	2,803.12	2,681.38	2,677.36	18.16	12.03	-88.47	-228.73	1,715.94	1,462.58	1,432.61	29.97	48.801	
3,100.00	2,892.20	2,769.81	2,765.62	18.90	12.40	-89.94	-229.19	1,721.51	1,467.99	1,436.91	31.07	47.245	
3,200.00	2,981.28	2,857.66	2,853.28	19.65	12.77	-91.40	-229.71	1,727.13	1,474.69	1,442.52	32.17	45.846	
3,300.00	3,070.36	2,945.34	2,940.76	20.40	13.14	-92.83	-230.46	1,733.10	1,482.79	1,449.53	33.26	44.588	
3,400.00	3,159.43	3,031.43	3,026.63	21.14	13.51	-94.21	-231.20	1,739.13	1,492.21	1,457.88	34.33	43.467	
3,500.00	3,248.51	3,114.66	3,109.66	21.89	13.86	-95.56	-231.18	1,744.98	1,503.22	1,467.84	35.38	42.490	
3,600.00	3,337.59	3,207.01	3,201.77	22.65	14.25	-97.03	-231.15	1,751.62	1,515.51	1,479.04	36.47	41.555	
3,700.00	3,426.66	3,305.69	3,300.19	23.40	14.67	-98.57	-231.65	1,758.65	1,528.58	1,490.99	37.59	40.663	
3,800.00	3,515.74	3,403.36	3,397.65	24.15	15.08	-100.07	-232.36	1,765.15	1,542.27	1,503.57	38.70	39.853	
3,900.00	3,604.82	3,495.43	3,489.51	24.91	15.47	-101.45	-233.30	1,771.17	1,556.76	1,516.99	39.77	39.147	
4,000.00	3,693.89	3,584.43	3,578.28	25.66	15.85	-102.74	-234.84	1,777.50	1,572.23	1,531.42	40.81	38.523	
4,100.00	3,782.97	3,676.38	3,669.89	26.42	16.25	-104.01	-237.36	1,784.89	1,588.68	1,546.81	41.88	37.938	
4,200.00	3,872.05	3,786.59	3,779.58	27.18	16.73	-105.45	-241.98	1,794.46	1,605.53	1,562.47	43.05	37.291	
4,300.00	3,961.12	3,875.66	3,868.20	27.94	17.12	-106.56	-246.54	1,802.12	1,622.48	1,578.38	44.10	36.793	
4,400.00	4,050.20	3,965.71	3,957.81	28.69	17.52	-107.68	-250.78	1,809.91	1,640.44	1,595.30	45.14	36.342	
4,500.00	4,139.28	4,054.53	4,046.25	29.45	17.90	-108.78	-254.59	1,817.32	1,659.19	1,613.03	46.16	35.944	
4,600.00	4,228.35	4,148.25	4,139.59	30.21	18.31	-109.93	-258.15	1,824.91	1,678.83	1,631.62	47.20	35.566	
4,700.00	4,317.43	4,237.81	4,228.82	30.97	18.70	-111.01	-261.58	1,831.82	1,698.91	1,650.70	48.21	35.241	
4,800.00	4,406.51	4,320.81	4,311.52	31.73	19.06	-112.01	-264.15	1,838.36	1,720.26	1,671.10	49.16	34.993	

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

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

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,495.59	4,427.18	4,417.58	32.50	19.51	-113.27	-267.29	1,845.92	1,741.95	1,691.69	50.25	34.663	
5,000.00	4,584.66	4,526.64	4,516.85	33.26	19.93	-114.47	-269.85	1,851.51	1,763.74	1,712.46	51.28	34.391	
5,100.00	4,673.74	4,622.78	4,612.87	34.02	20.34	-115.65	-271.76	1,855.54	1,785.89	1,733.62	52.28	34.163	
5,200.00	4,762.82	4,716.00	4,706.03	34.78	20.72	-116.79	-273.31	1,858.73	1,808.59	1,755.35	53.24	33.972	
5,300.00	4,851.89	4,809.22	4,799.21	35.54	21.11	-117.93	-274.49	1,861.09	1,831.86	1,777.68	54.19	33.807	
5,400.00	4,940.97	4,898.62	4,888.59	36.31	21.48	-119.02	-275.25	1,862.74	1,855.82	1,800.72	55.10	33.682	
5,500.00	5,030.05	4,986.26	4,976.23	37.07	21.84	-120.08	-275.75	1,864.04	1,880.57	1,824.58	55.99	33.588	
5,600.00	5,119.12	5,077.84	5,067.79	37.83	22.22	-121.17	-276.07	1,865.11	1,906.04	1,849.14	56.90	33.499	
5,700.00	5,208.20	5,176.10	5,166.05	38.60	22.62	-122.31	-276.57	1,866.01	1,931.99	1,874.14	57.85	33.399	
5,800.00	5,297.28	5,291.02	5,280.94	39.36	23.10	-123.59	-278.44	1,867.37	1,957.86	1,898.96	58.90	33.239	
5,900.00	5,386.35	5,378.23	5,368.12	40.13	23.46	-124.52	-280.57	1,868.44	1,983.70	1,923.93	59.77	33.187	
6,000.00	5,475.43	5,457.08	5,446.96	40.89	23.79	-125.35	-282.16	1,869.40	2,010.49	1,949.91	60.58	33.187 SF	
6,100.00	5,564.51	5,538.34	5,528.20	41.66	24.12	-126.20	-283.27	1,870.45	2,038.38	1,976.99	61.40	33.200	
6,200.00	5,653.58	5,623.15	5,612.99	42.42	24.48	-127.06	-284.16	1,871.43	2,067.04	2,004.81	62.23	33.216	
6,300.00	5,742.66	5,703.01	5,692.85	43.19	24.81	-127.86	-284.77	1,872.62	2,096.60	2,033.57	63.02	33.267	
6,400.00	5,831.74	5,790.69	5,780.51	43.95	25.17	-128.70	-285.29	1,874.18	2,126.90	2,063.03	63.87	33.300	
6,500.00	5,920.82	5,885.18	5,874.98	44.72	25.57	-129.60	-285.84	1,875.72	2,157.65	2,092.88	64.77	33.314	
6,600.00	6,009.89	5,975.28	5,965.08	45.48	25.94	-130.44	-286.32	1,876.66	2,188.73	2,123.10	65.63	33.352	
6,700.00	6,098.97	6,059.28	6,049.08	46.25	26.29	-131.22	-286.51	1,877.14	2,220.36	2,153.93	66.43	33.424	
6,800.00	6,188.05	6,150.82	6,140.62	47.01	26.67	-132.04	-286.57	1,877.76	2,252.63	2,185.33	67.29	33.475	
6,900.00	6,277.12	6,249.29	6,239.09	47.78	27.08	-132.92	-286.81	1,877.80	2,284.99	2,216.79	68.21	33.502	
7,000.00	6,366.20	6,344.92	6,334.71	48.55	27.48	-133.77	-287.06	1,876.93	2,317.51	2,248.42	69.09	33.544	
7,100.00	6,455.28	6,441.76	6,431.54	49.31	27.89	-134.62	-287.47	1,875.64	2,350.21	2,280.23	69.98	33.584	
7,197.64	6,542.25	6,534.21	6,523.97	50.06	28.27	-135.41	-288.09	1,874.04	2,382.23	2,311.40	70.83	33.632	
7,200.00	6,544.35	6,536.29	6,526.05	50.08	28.28	-135.89	-288.10	1,874.00	2,383.01	2,312.16	70.85	33.634	
7,250.00	6,589.22	6,580.67	6,570.42	50.44	28.47	-146.45	-288.41	1,873.19	2,400.27	2,329.02	71.26	33.685	
7,300.00	6,634.48	6,628.51	6,618.26	50.77	28.67	-157.88	-288.74	1,872.27	2,418.83	2,347.16	71.68	33.747	
7,350.00	6,679.86	6,678.87	6,668.60	51.06	28.88	-169.61	-289.14	1,871.13	2,438.46	2,366.35	72.11	33.818	
7,400.00	6,725.09	6,730.45	6,720.16	51.31	29.10	178.97	-289.59	1,869.75	2,458.98	2,386.44	72.54	33.899	
7,450.00	6,769.87	6,782.66	6,772.34	51.52	29.32	168.39	-290.12	1,868.08	2,480.24	2,407.26	72.98	33.986	
7,500.00	6,813.94	6,827.57	6,817.22	51.69	29.51	158.88	-290.61	1,866.46	2,502.14	2,428.77	73.37	34.104	
7,550.00	6,857.03	6,868.25	6,857.87	51.84	29.68	150.50	-291.02	1,864.99	2,524.70	2,450.96	73.74	34.236	
7,600.00	6,898.86	6,909.48	6,899.07	51.95	29.85	143.18	-291.38	1,863.51	2,547.83	2,473.68	74.14	34.363	
7,650.00	6,939.19	6,955.96	6,945.52	52.05	30.05	136.84	-291.79	1,861.71	2,571.33	2,496.72	74.61	34.462	
7,700.00	6,977.75	7,000.87	6,990.38	52.13	30.24	131.29	-292.23	1,859.79	2,595.10	2,520.00	75.10	34.555	
7,750.00	7,014.32	7,035.67	7,025.14	52.20	30.38	126.28	-292.55	1,858.20	2,619.12	2,543.57	75.54	34.670	
7,800.00	7,048.67	7,068.78	7,058.22	52.26	30.52	121.79	-292.79	1,856.61	2,643.37	2,567.36	76.01	34.775	
7,850.00	7,080.59	7,100.18	7,089.21	52.33	30.66	117.73	-292.96	1,855.05	2,667.79	2,591.28	76.51	34.870	
7,900.00	7,109.87	7,131.08	7,120.44	52.39	30.79	114.06	-293.11	1,853.46	2,692.28	2,615.23	77.04	34.944	
7,950.00	7,136.35	7,159.66	7,148.97	52.47	30.91	110.69	-293.24	1,851.99	2,716.76	2,639.16	77.61	35.007	
8,000.00	7,159.85	7,185.36	7,174.65	52.55	31.02	107.56	-293.36	1,850.68	2,741.19	2,663.00	78.19	35.058	
8,050.00	7,180.23	7,208.05	7,197.30	52.64	31.12	104.64	-293.46	1,849.52	2,765.48	2,686.69	78.79	35.097	
8,100.00	7,197.37	7,227.57	7,216.79	52.75	31.20	101.91	-293.55	1,848.52	2,789.58	2,710.16	79.42	35.126	
8,150.00	7,211.16	7,243.80	7,233.01	52.88	31.27	99.35	-293.63	1,847.70	2,813.40	2,733.35	80.05	35.144	
8,200.00	7,221.51	7,256.65	7,245.84	53.03	31.33	96.94	-293.69	1,847.04	2,836.87	2,756.17	80.70	35.154	
8,250.00	7,228.37	7,266.03	7,255.21	53.20	31.37	94.68	-293.73	1,846.56	2,859.90	2,778.55	81.35	35.156	
8,300.00	7,231.68	7,271.90	7,261.07	53.40	31.40	92.57	-293.76	1,846.26	2,882.39	2,800.39	82.00	35.152	
8,317.45	7,232.00	7,273.11	7,262.27	53.47	31.40	91.87	-293.76	1,846.20	2,890.09	2,807.87	82.22	35.150	
8,400.00	7,232.48	7,277.80	7,266.96	53.86	31.42	91.97	-293.78	1,845.96	2,927.28	2,843.98	83.30	35.142	
8,500.00	7,233.06	7,283.49	7,272.65	54.44	31.45	92.10	-293.81	1,845.67	2,974.76	2,890.13	84.62	35.153	
8,600.00	7,233.64	7,289.18	7,278.33	55.14	31.47	92.22	-293.84	1,845.38	3,024.79	2,938.83	85.96	35.189	
8,700.00	7,234.22	7,294.87	7,284.01	55.99	31.49	92.35	-293.86	1,845.09	3,077.25	2,989.96	87.29	35.254	

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

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

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-GYRO-NS

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.00	7,234.80	7,300.56	7,289.69	57.00	31.52	92.47	-293.89	1,844.79	3,132.02	3,043.41	88.61	35.348	
8,900.00	7,235.39	7,306.25	7,295.37	58.18	31.54	92.60	-293.92	1,844.50	3,188.97	3,099.06	89.90	35.472	
9,000.00	7,235.97	7,311.94	7,301.05	59.53	31.57	92.72	-293.94	1,844.21	3,247.99	3,156.82	91.17	35.626	
9,100.00	7,236.55	7,317.63	7,306.73	61.04	31.59	92.85	-293.97	1,843.92	3,308.97	3,216.57	92.40	35.810	
9,200.00	7,237.13	7,323.31	7,312.42	62.69	31.62	92.97	-293.99	1,843.63	3,371.80	3,278.20	93.60	36.023	
9,300.00	7,237.71	7,329.00	7,318.10	64.47	31.64	93.10	-294.02	1,843.34	3,436.39	3,341.63	94.76	36.263	
9,400.00	7,238.29	7,334.69	7,323.78	66.36	31.67	93.22	-294.05	1,843.05	3,502.63	3,406.75	95.88	36.531	
9,500.00	7,238.87	7,340.38	7,329.46	68.34	31.69	93.35	-294.07	1,842.76	3,570.44	3,473.48	96.96	36.824	
9,600.00	7,239.45	7,346.07	7,335.14	70.41	31.71	93.47	-294.10	1,842.47	3,639.72	3,541.72	98.00	37.141	
9,700.00	7,240.03	7,351.76	7,340.82	72.55	31.74	93.60	-294.13	1,842.18	3,710.40	3,611.40	98.99	37.481	
9,800.00	7,240.61	7,357.45	7,346.50	74.76	31.76	93.72	-294.15	1,841.89	3,782.39	3,682.43	99.95	37.843	
9,900.00	7,241.20	7,363.14	7,352.19	77.02	31.79	93.85	-294.18	1,841.60	3,855.62	3,754.75	100.87	38.225	
10,000.00	7,241.78	7,368.83	7,357.87	79.33	31.81	93.97	-294.20	1,841.31	3,930.02	3,828.27	101.74	38.626	
10,100.00	7,242.36	7,374.52	7,363.55	81.68	31.84	94.10	-294.23	1,841.02	4,005.53	3,902.94	102.59	39.046	
10,200.00	7,242.94	7,380.20	7,369.23	84.07	31.86	94.22	-294.26	1,840.72	4,082.08	3,978.69	103.39	39.482	
10,300.00	7,243.52	7,385.89	7,374.91	86.49	31.89	94.35	-294.28	1,840.43	4,159.62	4,055.46	104.16	39.934	
10,400.00	7,244.10	7,391.58	7,380.59	88.95	31.91	94.47	-294.31	1,840.14	4,238.10	4,133.20	104.90	40.402	
10,500.00	7,244.68	7,397.27	7,386.27	91.43	31.93	94.60	-294.34	1,839.85	4,317.46	4,211.85	105.60	40.883	
10,600.00	7,245.26	7,402.96	7,391.96	93.93	31.96	94.72	-294.36	1,839.56	4,397.65	4,291.37	106.28	41.378	
10,700.00	7,245.84	7,408.65	7,397.64	96.46	31.98	94.85	-294.39	1,839.27	4,478.63	4,371.70	106.93	41.885	
10,800.00	7,246.42	7,383.00	7,372.02	99.01	31.87	94.28	-294.27	1,840.58	4,560.47	4,453.06	107.40	42.461	
10,900.00	7,247.01	7,383.00	7,372.02	101.58	31.87	94.28	-294.27	1,840.58	4,642.94	4,534.97	107.97	43.002	
11,000.00	7,247.59	7,383.00	7,372.02	104.16	31.87	94.28	-294.27	1,840.58	4,726.10	4,617.58	108.52	43.552	
11,100.00	7,248.17	7,383.00	7,372.02	106.76	31.87	94.28	-294.27	1,840.58	4,809.90	4,700.86	109.04	44.113	
11,200.00	7,248.75	7,383.00	7,372.02	109.37	31.87	94.28	-294.27	1,840.58	4,894.30	4,784.76	109.54	44.682	
11,300.00	7,249.33	7,383.00	7,372.02	112.00	31.87	94.28	-294.27	1,840.58	4,979.28	4,869.27	110.01	45.261	
11,400.00	7,249.91	7,383.00	7,372.02	114.64	31.87	94.28	-294.27	1,840.58	5,064.81	4,954.34	110.47	45.847	
11,500.00	7,250.49	7,383.00	7,372.02	117.29	31.87	94.28	-294.27	1,840.58	5,150.86	5,039.95	110.91	46.441	
11,600.00	7,251.07	7,383.00	7,372.02	119.95	31.87	94.28	-294.27	1,840.58	5,237.41	5,126.08	111.33	47.043	
11,700.00	7,251.65	7,383.00	7,372.02	122.62	31.87	94.28	-294.27	1,840.58	5,324.43	5,212.69	111.74	47.651	
11,800.00	7,252.23	7,383.00	7,372.02	125.30	31.87	94.28	-294.27	1,840.58	5,411.90	5,299.77	112.13	48.266	
11,900.00	7,252.82	7,383.00	7,372.02	127.98	31.87	94.28	-294.27	1,840.58	5,499.79	5,387.29	112.50	48.887	
12,000.00	7,253.40	7,383.00	7,372.02	130.68	31.87	94.28	-294.27	1,840.58	5,588.09	5,475.23	112.86	49.514	
12,100.00	7,253.98	7,383.00	7,372.02	133.38	31.87	94.28	-294.27	1,840.58	5,676.78	5,563.58	113.20	50.146	
12,200.00	7,254.56	7,383.00	7,372.02	136.09	31.87	94.28	-294.27	1,840.58	5,765.84	5,652.31	113.54	50.784	
12,300.00	7,255.14	7,383.00	7,372.02	138.81	31.87	94.28	-294.27	1,840.58	5,855.26	5,741.40	113.86	51.426	
12,400.00	7,255.72	7,383.00	7,372.02	141.53	31.87	94.28	-294.27	1,840.58	5,945.01	5,830.84	114.17	52.073	
12,500.00	7,256.30	7,383.00	7,372.02	144.26	31.87	94.28	-294.27	1,840.58	6,035.08	5,920.61	114.46	52.725	
12,600.00	7,256.88	7,383.00	7,372.02	146.99	31.87	94.28	-294.27	1,840.58	6,125.46	6,010.71	114.75	53.380	
12,700.00	7,257.46	7,383.00	7,372.02	149.73	31.87	94.28	-294.27	1,840.58	6,216.13	6,101.11	115.03	54.040	
12,800.00	7,258.04	7,383.00	7,372.02	152.47	31.87	94.28	-294.27	1,840.58	6,307.09	6,191.80	115.30	54.703	
12,900.00	7,258.63	7,383.00	7,372.02	155.22	31.87	94.28	-294.27	1,840.58	6,398.32	6,282.76	115.55	55.370	
13,000.00	7,259.21	7,383.00	7,372.02	157.97	31.87	94.28	-294.27	1,840.58	6,489.80	6,374.00	115.81	56.041	
13,100.00	7,259.79	7,383.00	7,372.02	160.72	31.87	94.28	-294.27	1,840.58	6,581.54	6,465.49	116.05	56.714	
13,200.00	7,260.37	7,383.00	7,372.02	163.48	31.87	94.28	-294.27	1,840.58	6,673.51	6,557.23	116.28	57.391	
13,300.00	7,260.95	7,383.00	7,372.02	166.24	31.87	94.28	-294.27	1,840.58	6,765.71	6,649.20	116.51	58.070	
13,400.00	7,261.53	7,383.00	7,372.02	169.01	31.87	94.28	-294.27	1,840.58	6,858.12	6,741.39	116.73	58.752	
13,480.77	7,262.00	7,383.00	7,372.02	171.24	31.87	94.28	-294.27	1,840.58	6,932.92	6,816.02	116.90	59.305	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-162.09	-3,186.93	-1,030.21	3,349.40				
100.00	100.00	75.00	75.00	3.28	3.53	-162.09	-3,186.93	-1,030.21	3,349.30	3,342.49	6.82	491.366	
200.00	200.00	175.00	175.00	3.34	5.46	-162.09	-3,186.93	-1,030.21	3,349.30	3,340.51	8.80	380.774	
300.00	300.00	275.00	275.00	3.44	8.51	-162.09	-3,186.93	-1,030.21	3,349.30	3,337.35	11.96	280.113	
400.00	399.98	374.98	374.98	3.60	11.81	42.83	-3,186.93	-1,030.21	3,348.02	3,332.62	15.41	217.323	
500.00	499.84	474.84	474.84	3.79	15.19	42.95	-3,186.93	-1,030.21	3,344.19	3,325.21	18.98	176.226	
600.00	599.45	574.45	574.45	4.02	18.60	43.13	-3,186.93	-1,030.21	3,337.80	3,315.18	22.62	147.558	
700.00	698.70	673.70	673.70	4.29	22.02	43.40	-3,186.93	-1,030.21	3,328.90	3,302.59	26.31	126.531	
800.00	797.47	772.47	772.47	4.59	25.43	43.74	-3,186.93	-1,030.21	3,317.50	3,287.47	30.03	110.488	
900.00	895.62	870.62	870.62	4.93	28.84	44.16	-3,186.93	-1,030.21	3,303.64	3,269.88	33.76	97.859	
1,000.00	993.06	968.06	968.06	5.31	32.22	44.67	-3,186.93	-1,030.21	3,287.37	3,249.87	37.50	87.663	
1,100.00	1,089.64	1,064.64	1,064.64	5.72	35.57	45.25	-3,186.93	-1,030.21	3,268.74	3,227.50	41.24	79.259	
1,200.00	1,185.27	1,160.27	1,160.27	6.16	38.90	45.91	-3,186.93	-1,030.21	3,247.81	3,202.84	44.98	72.210	
1,300.00	1,279.82	1,254.82	1,254.82	6.64	42.19	46.66	-3,186.93	-1,030.21	3,224.66	3,175.96	48.70	66.210	
1,400.00	1,373.17	1,348.17	1,348.17	7.15	45.44	47.50	-3,186.93	-1,030.21	3,199.37	3,146.95	52.42	61.038	
1,500.00	1,465.21	1,440.21	1,440.21	7.70	48.64	48.42	-3,186.93	-1,030.21	3,172.03	3,115.91	56.11	56.530	
1,600.00	1,555.84	1,530.84	1,530.84	8.30	51.80	49.43	-3,186.93	-1,030.21	3,142.73	3,082.94	59.79	52.563	
1,651.50	1,601.92	1,576.92	1,576.92	8.62	53.41	49.98	-3,186.93	-1,030.21	3,126.91	3,065.24	61.68	50.700	
1,700.00	1,645.13	1,620.13	1,620.13	8.93	54.91	50.27	-3,186.93	-1,030.21	3,111.84	3,048.39	63.45	49.045	
1,800.00	1,734.20	1,709.20	1,709.20	9.58	58.02	50.88	-3,186.93	-1,030.21	3,081.02	3,013.90	67.12	45.904	
1,900.00	1,823.28	1,801.72	1,798.28	10.25	61.24	51.50	-3,186.93	-1,030.21	3,050.56	2,979.63	70.93	43.009	
2,000.00	1,912.36	1,887.36	1,887.36	10.94	64.23	52.13	-3,186.93	-1,030.21	3,020.48	2,945.97	74.51	40.536	
2,100.00	2,001.43	1,976.43	1,976.43	11.63	67.33	52.77	-3,186.93	-1,030.21	2,990.79	2,912.55	78.24	38.228	
2,200.00	2,090.51	2,065.51	2,065.51	12.34	70.44	53.42	-3,186.93	-1,030.21	2,961.50	2,879.53	81.97	36.128	
2,300.00	2,179.59	2,154.59	2,154.59	13.05	73.54	54.09	-3,186.93	-1,030.21	2,932.62	2,846.90	85.72	34.211	
2,400.00	2,268.66	2,243.66	2,243.66	13.76	76.65	54.76	-3,186.93	-1,030.21	2,904.16	2,814.68	89.48	32.456	
2,500.00	2,357.74	2,332.74	2,332.74	14.49	79.76	55.45	-3,186.93	-1,030.21	2,876.14	2,782.89	93.25	30.842	
2,600.00	2,446.82	2,421.82	2,421.82	15.21	82.87	56.14	-3,186.93	-1,030.21	2,848.57	2,751.54	97.04	29.356	
2,700.00	2,535.89	2,510.89	2,510.89	15.95	85.97	56.85	-3,186.93	-1,030.21	2,821.46	2,720.64	100.83	27.983	
2,800.00	2,624.97	2,600.03	2,599.97	16.68	89.08	57.57	-3,186.93	-1,030.21	2,794.83	2,690.20	104.63	26.711	
2,900.00	2,714.05	2,689.05	2,689.05	17.42	92.19	58.30	-3,186.93	-1,030.21	2,768.69	2,660.25	108.44	25.531	
3,000.00	2,803.12	2,778.12	2,778.12	18.16	95.30	59.05	-3,186.93	-1,030.21	2,743.06	2,630.79	112.26	24.434	
3,100.00	2,892.20	2,867.20	2,867.20	18.90	98.40	59.80	-3,186.93	-1,030.21	2,717.94	2,601.84	116.09	23.412	
3,200.00	2,981.28	2,956.28	2,956.28	19.65	101.51	60.57	-3,186.93	-1,030.21	2,693.35	2,573.42	119.93	22.457	
3,300.00	3,070.36	3,045.36	3,045.36	20.40	104.62	61.35	-3,186.93	-1,030.21	2,669.31	2,545.53	123.78	21.565	
3,400.00	3,159.43	3,134.43	3,134.43	21.14	107.73	62.14	-3,186.93	-1,030.21	2,645.83	2,518.20	127.63	20.730	
3,500.00	3,248.51	3,223.51	3,223.51	21.89	110.84	62.94	-3,186.93	-1,030.21	2,622.93	2,491.44	131.49	19.947	
3,600.00	3,337.59	3,312.59	3,312.59	22.65	113.94	63.76	-3,186.93	-1,030.21	2,600.63	2,465.26	135.36	19.213	
3,700.00	3,426.66	3,401.66	3,401.66	23.40	117.05	64.58	-3,186.93	-1,030.21	2,578.93	2,439.69	139.24	18.522	
3,800.00	3,515.74	3,509.26	3,490.74	24.15	120.81	65.42	-3,186.93	-1,030.21	2,557.85	2,414.09	143.76	17.792	
3,900.00	3,604.82	3,579.82	3,579.82	24.91	123.27	66.27	-3,186.93	-1,030.21	2,537.41	2,390.41	147.01	17.261	
4,000.00	3,693.89	3,668.89	3,668.89	25.66	126.38	67.13	-3,186.93	-1,030.21	2,517.63	2,366.73	150.90	16.684	
4,100.00	3,782.97	3,757.97	3,757.97	26.42	129.49	68.00	-3,186.93	-1,030.21	2,498.52	2,343.72	154.80	16.140	
4,200.00	3,872.05	3,847.05	3,847.05	27.18	132.60	68.88	-3,186.93	-1,030.21	2,480.09	2,321.38	158.71	15.627	
4,300.00	3,961.12	3,936.12	3,936.12	27.94	135.70	69.77	-3,186.93	-1,030.21	2,462.37	2,299.75	162.62	15.142	
4,400.00	4,050.20	4,025.20	4,025.20	28.69	138.81	70.68	-3,186.93	-1,030.21	2,445.36	2,278.82	166.53	14.684	
4,500.00	4,139.28	4,114.28	4,114.28	29.45	141.92	71.59	-3,186.93	-1,030.21	2,429.08	2,258.62	170.45	14.251	
4,600.00	4,228.35	4,203.35	4,203.35	30.21	145.03	72.51	-3,186.93	-1,030.21	2,413.55	2,239.17	174.38	13.841	
4,700.00	4,317.43	4,307.57	4,292.43	30.97	148.67	73.44	-3,186.93	-1,030.21	2,398.77	2,219.94	178.83	13.414	
4,800.00	4,406.51	4,381.51	4,381.51	31.73	151.25	74.38	-3,186.93	-1,030.21	2,384.78	2,202.55	182.23	13.087	
4,900.00	4,495.59	4,470.59	4,470.59	32.50	154.36	75.33	-3,186.93	-1,030.21	2,371.57	2,185.41	186.16	12.739	
5,000.00	4,584.66	4,559.66	4,559.66	33.26	157.47	76.29	-3,186.93	-1,030.21	2,359.16	2,169.07	190.09	12.411	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,648.74	4,648.74	34.02	160.58	77.26	-3,186.93	-1,030.21	2,347.57	2,153.54	194.03	12.099	
5,200.00	4,762.82	4,737.82	4,737.82	34.78	163.68	78.23	-3,186.93	-1,030.21	2,336.80	2,138.84	197.96	11.804	
5,300.00	4,851.89	4,826.89	4,826.89	35.54	166.79	79.21	-3,186.93	-1,030.21	2,326.87	2,124.98	201.89	11.525	
5,400.00	4,940.97	4,915.97	4,915.97	36.31	169.90	80.20	-3,186.93	-1,030.21	2,317.79	2,111.97	205.82	11.261	
5,500.00	5,030.05	5,005.05	5,005.05	37.07	173.01	81.19	-3,186.93	-1,030.21	2,309.57	2,099.82	209.75	11.011	
5,600.00	5,119.12	5,105.88	5,094.12	37.83	176.53	82.19	-3,186.93	-1,030.21	2,302.22	2,088.13	214.09	10.753	
5,700.00	5,208.20	5,183.20	5,183.20	38.60	179.23	83.19	-3,186.93	-1,030.21	2,295.74	2,078.14	217.61	10.550	
5,800.00	5,297.28	5,272.28	5,272.28	39.36	182.34	84.20	-3,186.93	-1,030.21	2,290.15	2,068.62	221.53	10.338	
5,900.00	5,386.35	5,361.35	5,361.35	40.13	185.45	85.21	-3,186.93	-1,030.21	2,285.45	2,060.00	225.44	10.138	
6,000.00	5,475.43	5,450.43	5,450.43	40.89	188.56	86.22	-3,186.93	-1,030.21	2,281.64	2,052.28	229.36	9.948	
6,100.00	5,564.51	5,539.51	5,539.51	41.66	191.67	87.24	-3,186.93	-1,030.21	2,278.73	2,045.47	233.26	9.769	
6,200.00	5,653.58	5,628.58	5,628.58	42.42	194.78	88.26	-3,186.93	-1,030.21	2,276.73	2,039.57	237.16	9.600	
6,300.00	5,742.66	5,717.66	5,717.66	43.19	197.89	89.28	-3,186.93	-1,030.21	2,275.63	2,034.57	241.06	9.440	
6,370.97	5,805.88	5,780.88	5,780.88	43.73	200.09	90.00	-3,186.93	-1,030.21	2,275.40	2,031.59	243.81	9.333	
6,400.00	5,831.74	5,806.74	5,806.74	43.95	200.99	90.30	-3,186.93	-1,030.21	2,275.44	2,030.50	244.94	9.290	
6,500.00	5,920.82	5,904.18	5,895.82	44.72	204.40	91.32	-3,186.93	-1,030.21	2,276.16	2,027.05	249.11	9.137	
6,600.00	6,009.89	5,984.89	5,984.89	45.48	207.21	92.33	-3,186.93	-1,030.21	2,277.78	2,025.09	252.69	9.014	
6,700.00	6,098.97	6,073.97	6,073.97	46.25	210.32	93.35	-3,186.93	-1,030.21	2,280.31	2,023.76	256.55	8.888	
6,800.00	6,188.05	6,163.05	6,163.05	47.01	213.43	94.36	-3,186.93	-1,030.21	2,283.74	2,023.34	260.40	8.770	
6,900.00	6,277.12	6,252.12	6,252.12	47.78	216.54	95.38	-3,186.93	-1,030.21	2,288.07	2,023.82	264.25	8.659	
7,000.00	6,366.20	6,341.20	6,341.20	48.55	219.65	96.39	-3,186.93	-1,030.21	2,293.29	2,025.21	268.08	8.555	
7,100.00	6,455.28	6,430.28	6,430.28	49.31	222.76	97.39	-3,186.93	-1,030.21	2,299.40	2,027.50	271.90	8.457	
7,197.64	6,542.25	6,517.25	6,517.25	50.06	225.80	98.37	-3,186.93	-1,030.21	2,306.21	2,030.58	275.62	8.367	
7,200.00	6,544.35	6,519.35	6,519.35	50.08	225.87	98.01	-3,186.93	-1,030.21	2,306.38	2,030.67	275.71	8.365	
7,250.00	6,589.22	6,564.22	6,564.22	50.44	227.44	89.85	-3,186.93	-1,030.21	2,308.12	2,030.51	277.61	8.314	
7,300.00	6,634.48	6,609.48	6,609.48	50.77	229.02	80.82	-3,186.93	-1,030.21	2,306.24	2,026.75	279.49	8.252	
7,350.00	6,679.86	6,654.86	6,654.86	51.06	230.60	71.45	-3,186.93	-1,030.21	2,300.75	2,019.41	281.34	8.178	
7,400.00	6,725.09	6,700.09	6,700.09	51.31	232.18	62.33	-3,186.93	-1,030.21	2,291.64	2,008.50	283.14	8.094	
7,450.00	6,769.87	6,744.87	6,744.87	51.52	233.74	53.96	-3,186.93	-1,030.21	2,278.94	1,994.06	284.89	7.999	
7,500.00	6,813.94	6,788.94	6,788.94	51.69	235.28	46.58	-3,186.93	-1,030.21	2,262.72	1,976.15	286.57	7.896	
7,550.00	6,857.03	6,832.03	6,832.03	51.84	236.78	40.25	-3,186.93	-1,030.21	2,243.05	1,954.86	288.19	7.783	
7,600.00	6,898.86	6,873.86	6,873.86	51.95	238.24	34.87	-3,186.93	-1,030.21	2,220.01	1,930.28	289.73	7.662	
7,650.00	6,939.19	6,914.19	6,914.19	52.05	239.65	30.29	-3,186.93	-1,030.21	2,193.73	1,902.54	291.19	7.534	
7,700.00	6,977.75	6,952.75	6,952.75	52.13	241.00	26.33	-3,186.93	-1,030.21	2,164.35	1,871.78	292.57	7.398	
7,750.00	7,014.32	6,989.32	6,989.32	52.20	242.27	22.83	-3,186.93	-1,030.21	2,132.03	1,838.16	293.87	7.255	
7,800.00	7,048.67	7,023.67	7,023.67	52.26	243.47	19.64	-3,186.93	-1,030.21	2,096.94	1,801.86	295.07	7.106	
7,850.00	7,080.59	7,055.59	7,055.59	52.33	244.59	16.59	-3,186.93	-1,030.21	2,059.27	1,763.09	296.19	6.953	
7,900.00	7,109.87	7,084.87	7,084.87	52.39	245.61	13.53	-3,186.93	-1,030.21	2,019.26	1,722.06	297.20	6.794	
7,950.00	7,136.35	7,111.35	7,111.35	52.47	246.53	10.23	-3,186.93	-1,030.21	1,977.12	1,679.00	298.12	6.632	
8,000.00	7,159.85	7,134.85	7,134.85	52.55	247.35	6.41	-3,186.93	-1,030.21	1,933.11	1,634.17	298.93	6.467	
8,050.00	7,180.23	7,155.23	7,155.23	52.64	248.07	1.60	-3,186.93	-1,030.21	1,887.49	1,587.84	299.65	6.299	
8,100.00	7,197.37	7,172.37	7,172.37	52.75	248.66	-4.99	-3,186.93	-1,030.21	1,840.53	1,540.28	300.25	6.130	
8,150.00	7,211.16	7,186.16	7,186.16	52.88	249.15	-14.83	-3,186.93	-1,030.21	1,792.53	1,491.78	300.75	5.960	
8,200.00	7,221.51	7,203.49	7,196.51	53.03	249.75	-30.37	-3,186.93	-1,030.21	1,743.79	1,442.40	301.39	5.786	
8,250.00	7,228.37	7,203.37	7,203.37	53.20	249.75	-53.68	-3,186.93	-1,030.21	1,694.63	1,393.19	301.44	5.622	
8,300.00	7,231.68	7,206.68	7,206.68	53.40	249.86	-80.17	-3,186.93	-1,030.21	1,645.36	1,343.73	301.63	5.455	
8,317.45	7,232.00	7,207.00	7,207.00	53.47	249.87	-88.26	-3,186.93	-1,030.21	1,628.20	1,326.53	301.67	5.397	
8,400.00	7,232.48	7,207.48	7,207.48	53.86	249.89	-88.35	-3,186.93	-1,030.21	1,547.20	1,245.35	301.85	5.126	
8,500.00	7,233.06	7,208.06	7,208.06	54.44	249.91	-88.46	-3,186.93	-1,030.21	1,449.31	1,147.20	302.10	4.797	
8,600.00	7,233.64	7,208.64	7,208.64	55.14	249.93	-88.57	-3,186.93	-1,030.21	1,351.72	1,049.32	302.40	4.470	
8,700.00	7,234.22	7,209.22	7,209.22	55.99	249.95	-88.67	-3,186.93	-1,030.21	1,254.51	951.76	302.75	4.144	
8,800.00	7,234.80	7,209.80	7,209.80	57.00	249.97	-88.78	-3,186.93	-1,030.21	1,157.78	854.60	303.18	3.819	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,210.39	7,210.39	58.18	249.99	-88.89	-3,186.93	-1,030.21	1,061.65	757.95	303.70	3.496	
9,000.00	7,235.97	7,210.97	7,210.97	59.53	250.01	-89.00	-3,186.93	-1,030.21	966.31	661.95	304.36	3.175	
9,100.00	7,236.55	7,211.55	7,211.55	61.04	250.03	-89.11	-3,186.93	-1,030.21	872.02	566.82	305.20	2.857	
9,200.00	7,237.13	7,212.13	7,212.13	62.69	250.05	-89.22	-3,186.93	-1,030.21	779.14	472.86	306.29	2.544	
9,300.00	7,237.71	7,212.71	7,212.71	64.47	250.07	-89.33	-3,186.93	-1,030.21	688.27	380.54	307.73	2.237	
9,400.00	7,238.29	7,213.29	7,213.29	66.36	250.09	-89.44	-3,186.93	-1,030.21	600.31	290.63	309.67	1.939	
9,500.00	7,238.87	7,213.87	7,213.87	68.34	250.11	-89.55	-3,186.93	-1,030.21	516.74	204.41	312.32	1.654	
9,600.00	7,239.45	7,214.45	7,214.45	70.41	250.13	-89.65	-3,186.93	-1,030.21	440.08	124.20	315.87	1.393	Level 3
9,700.00	7,240.03	7,215.03	7,215.03	72.55	250.15	-89.76	-3,186.93	-1,030.21	374.59	54.30	320.29	1.170	Level 2
9,800.00	7,240.61	7,215.61	7,215.61	74.76	250.17	-89.87	-3,186.93	-1,030.21	327.05	2.43	324.63	1.007	Level 2
9,900.00	7,241.20	7,216.20	7,216.20	77.02	250.19	-89.98	-3,186.93	-1,030.21	305.96	-20.56	326.52	0.937	Level 1
9,916.77	7,241.29	7,216.29	7,216.29	77.41	250.20	-90.00	-3,186.93	-1,030.21	305.50	-20.92	326.42	0.936	Level 1, CC, ES, SF
10,000.00	7,241.78	7,216.78	7,216.78	79.33	250.21	-90.09	-3,186.93	-1,030.21	316.64	-7.47	324.11	0.977	Level 1
10,100.00	7,242.36	7,217.36	7,217.36	81.68	250.23	-90.20	-3,186.93	-1,030.21	356.24	37.29	318.95	1.117	Level 2
10,200.00	7,242.94	7,217.94	7,217.94	84.07	250.25	-90.31	-3,186.93	-1,030.21	416.59	102.79	313.81	1.328	Level 3
10,300.00	7,243.52	7,218.52	7,218.52	86.49	250.28	-90.42	-3,186.93	-1,030.21	490.10	180.25	309.85	1.582	
10,400.00	7,244.10	7,219.10	7,219.10	88.95	250.30	-90.53	-3,186.93	-1,030.21	571.70	264.62	307.08	1.862	
10,500.00	7,244.68	7,219.68	7,219.68	91.43	250.32	-90.64	-3,186.93	-1,030.21	658.39	353.20	305.20	2.157	
10,600.00	7,245.26	7,220.26	7,220.26	93.93	250.34	-90.74	-3,186.93	-1,030.21	748.42	444.51	303.91	2.463	
10,700.00	7,245.84	7,220.84	7,220.84	96.46	250.36	-90.85	-3,186.93	-1,030.21	840.69	537.68	303.01	2.774	
10,800.00	7,246.42	7,221.42	7,221.42	99.01	250.38	-90.96	-3,186.93	-1,030.21	934.56	632.18	302.38	3.091	
10,900.00	7,247.01	7,222.01	7,222.01	101.58	250.40	-91.07	-3,186.93	-1,030.21	1,029.59	727.66	301.93	3.410	
11,000.00	7,247.59	7,222.59	7,222.59	104.16	250.42	-91.18	-3,186.93	-1,030.21	1,125.47	823.87	301.60	3.732	
11,100.00	7,248.17	7,223.17	7,223.17	106.76	250.44	-91.29	-3,186.93	-1,030.21	1,222.02	920.65	301.37	4.055	
11,200.00	7,248.75	7,223.75	7,223.75	109.37	250.46	-91.40	-3,186.93	-1,030.21	1,319.08	1,017.88	301.19	4.379	
11,300.00	7,249.33	7,224.33	7,224.33	112.00	250.48	-91.51	-3,186.93	-1,030.21	1,416.55	1,115.48	301.07	4.705	
11,400.00	7,249.91	7,224.91	7,224.91	114.64	250.50	-91.62	-3,186.93	-1,030.21	1,514.35	1,213.37	300.98	5.031	
11,500.00	7,250.49	7,225.49	7,225.49	117.29	250.52	-91.72	-3,186.93	-1,030.21	1,612.41	1,311.50	300.92	5.358	
11,600.00	7,251.07	7,226.07	7,226.07	119.95	250.54	-91.83	-3,186.93	-1,030.21	1,710.71	1,409.83	300.88	5.686	
11,700.00	7,251.65	7,226.65	7,226.65	122.62	250.56	-91.94	-3,186.93	-1,030.21	1,809.19	1,508.34	300.85	6.014	
11,800.00	7,252.23	7,227.23	7,227.23	125.30	250.58	-92.05	-3,186.93	-1,030.21	1,907.82	1,606.98	300.84	6.342	
11,900.00	7,252.82	7,227.82	7,227.82	127.98	250.60	-92.16	-3,186.93	-1,030.21	2,006.59	1,705.76	300.84	6.670	
12,000.00	7,253.40	7,228.40	7,228.40	130.68	250.62	-92.27	-3,186.93	-1,030.21	2,105.48	1,804.64	300.84	6.999	
12,100.00	7,253.98	7,228.98	7,228.98	133.38	250.64	-92.38	-3,186.93	-1,030.21	2,204.47	1,903.61	300.86	7.327	
12,200.00	7,254.56	7,229.56	7,229.56	136.09	250.66	-92.49	-3,186.93	-1,030.21	2,303.54	2,002.67	300.88	7.656	
12,300.00	7,255.14	7,230.14	7,230.14	138.81	250.68	-92.60	-3,186.93	-1,030.21	2,402.70	2,101.79	300.90	7.985	
12,400.00	7,255.72	7,230.72	7,230.72	141.53	250.70	-92.70	-3,186.93	-1,030.21	2,501.92	2,200.98	300.93	8.314	
12,500.00	7,256.30	7,231.30	7,231.30	144.26	250.72	-92.81	-3,186.93	-1,030.21	2,601.19	2,300.23	300.97	8.643	
12,600.00	7,256.88	7,231.88	7,231.88	146.99	250.74	-92.92	-3,186.93	-1,030.21	2,700.53	2,399.52	301.00	8.972	
12,700.00	7,257.46	7,232.46	7,232.46	149.73	250.76	-93.03	-3,186.93	-1,030.21	2,799.91	2,498.86	301.04	9.301	
12,800.00	7,258.04	7,233.04	7,233.04	152.47	250.78	-93.14	-3,186.93	-1,030.21	2,899.33	2,598.24	301.09	9.630	
12,900.00	7,258.63	7,233.63	7,233.63	155.22	250.80	-93.25	-3,186.93	-1,030.21	2,998.79	2,697.66	301.13	9.958	
13,000.00	7,259.21	7,234.21	7,234.21	157.97	250.82	-93.36	-3,186.93	-1,030.21	3,098.28	2,797.11	301.17	10.287	
13,100.00	7,259.79	7,234.79	7,234.79	160.72	250.84	-93.46	-3,186.93	-1,030.21	3,197.81	2,896.59	301.22	10.616	
13,200.00	7,260.37	7,235.37	7,235.37	163.48	250.86	-93.57	-3,186.93	-1,030.21	3,297.36	2,996.09	301.27	10.945	
13,300.00	7,260.95	7,235.95	7,235.95	166.24	250.88	-93.68	-3,186.93	-1,030.21	3,396.94	3,095.62	301.32	11.273	
13,400.00	7,261.53	7,236.53	7,236.53	169.01	250.90	-93.79	-3,186.93	-1,030.21	3,496.55	3,195.17	301.37	11.602	
13,480.77	7,262.00	7,237.00	7,237.00	171.24	250.92	-93.88	-3,186.93	-1,030.21	3,577.02	3,275.60	301.42	11.867	

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

Offset Design Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	4.00	-4.00	3.28	3.28	-87.18	411.62	-8,359.26	8,369.39				
100.00	100.00	104.00	96.00	3.28	3.78	-87.18	411.62	-8,359.26	8,369.39	8,362.32	7.07	1,184.151	
200.00	200.00	204.00	196.00	3.34	6.30	-87.18	411.62	-8,359.26	8,369.39	8,359.75	9.63	868.666	
300.00	300.00	304.00	296.00	3.44	9.45	-87.18	411.62	-8,359.26	8,369.39	8,356.49	12.90	648.827	
400.00	399.98	404.02	395.98	3.60	12.79	117.70	411.62	-8,359.26	8,370.20	8,353.82	16.38	510.928	
500.00	499.84	504.16	495.84	3.79	16.19	117.68	411.62	-8,359.26	8,372.63	8,352.66	19.98	419.136	
600.00	599.45	604.55	595.45	4.02	19.64	117.66	411.62	-8,359.26	8,376.69	8,353.04	23.65	354.156	
700.00	698.70	705.30	694.70	4.29	23.11	117.64	411.62	-8,359.26	8,382.38	8,354.99	27.40	305.948	
800.00	797.47	806.53	793.47	4.59	26.61	117.60	411.62	-8,359.26	8,389.71	8,358.50	31.21	268.845	
900.00	895.62	908.38	891.62	4.93	30.14	117.55	411.62	-8,359.26	8,398.67	8,363.59	35.08	239.442	
1,000.00	993.06	989.06	989.06	5.31	32.95	117.50	411.62	-8,359.26	8,409.28	8,371.03	38.25	219.870	
1,100.00	1,089.64	1,085.64	1,085.64	5.72	36.30	117.43	411.62	-8,359.26	8,421.55	8,379.54	42.00	200.496	
1,200.00	1,185.27	1,181.27	1,181.27	6.16	39.63	117.35	411.62	-8,359.26	8,435.48	8,389.72	45.76	184.341	
1,300.00	1,279.82	1,275.82	1,275.82	6.64	42.92	117.26	411.62	-8,359.26	8,451.08	8,401.57	49.51	170.687	
1,400.00	1,373.17	1,369.17	1,369.17	7.15	46.17	117.15	411.62	-8,359.26	8,468.37	8,415.11	53.26	159.014	
1,500.00	1,465.21	1,461.21	1,461.21	7.70	49.37	117.03	411.62	-8,359.26	8,487.35	8,430.36	56.99	148.936	
1,600.00	1,555.84	1,551.84	1,551.84	8.30	52.53	116.89	411.62	-8,359.26	8,508.03	8,447.33	60.70	140.160	
1,651.50	1,601.92	1,602.08	1,597.92	8.62	54.28	116.81	411.62	-8,359.26	8,519.35	8,456.60	62.75	135.760	
1,700.00	1,645.13	1,641.13	1,641.13	8.93	55.64	116.93	411.62	-8,359.26	8,530.25	8,465.84	64.40	132.454	
1,800.00	1,734.20	1,730.20	1,730.20	9.58	58.75	117.17	411.62	-8,359.26	8,552.85	8,484.74	68.11	125.570	
1,900.00	1,823.28	1,819.28	1,819.28	10.25	61.85	117.42	411.62	-8,359.26	8,575.63	8,503.79	71.84	119.376	
2,000.00	1,912.36	1,908.36	1,908.36	10.94	64.96	117.67	411.62	-8,359.26	8,598.59	8,523.02	75.57	113.779	
2,100.00	2,001.43	2,002.57	1,997.43	11.63	68.24	117.91	411.62	-8,359.26	8,621.73	8,542.24	79.50	108.454	
2,200.00	2,090.51	2,086.51	2,086.51	12.34	71.17	118.16	411.62	-8,359.26	8,645.05	8,561.98	83.07	104.070	
2,300.00	2,179.59	2,175.59	2,175.59	13.05	74.28	118.40	411.62	-8,359.26	8,668.55	8,581.72	86.83	99.836	
2,400.00	2,268.66	2,264.66	2,264.66	13.76	77.38	118.64	411.62	-8,359.26	8,692.21	8,601.62	90.59	95.951	
2,500.00	2,357.74	2,353.74	2,353.74	14.49	80.49	118.88	411.62	-8,359.26	8,716.05	8,621.70	94.36	92.373	
2,600.00	2,446.82	2,442.82	2,442.82	15.21	83.60	119.12	411.62	-8,359.26	8,740.07	8,641.94	98.13	89.070	
2,700.00	2,535.89	2,531.89	2,531.89	15.95	86.71	119.36	411.62	-8,359.26	8,764.25	8,662.35	101.90	86.010	
2,800.00	2,624.97	2,620.97	2,620.97	16.68	89.81	119.60	411.62	-8,359.26	8,788.60	8,682.93	105.67	83.169	
2,900.00	2,714.05	2,710.05	2,710.05	17.42	92.92	119.83	411.62	-8,359.26	8,813.12	8,703.67	109.45	80.524	
3,000.00	2,803.12	2,800.88	2,799.12	18.16	96.09	120.07	411.62	-8,359.26	8,837.80	8,724.51	113.28	78.014	
3,100.00	2,892.20	2,888.20	2,888.20	18.90	99.14	120.30	411.62	-8,359.26	8,862.65	8,745.64	117.00	75.749	
3,200.00	2,981.28	2,977.28	2,977.28	19.65	102.24	120.53	411.62	-8,359.26	8,887.66	8,766.88	120.78	73.587	
3,300.00	3,070.36	3,066.36	3,066.36	20.40	105.35	120.77	411.62	-8,359.26	8,912.83	8,788.27	124.56	71.557	
3,400.00	3,159.43	3,155.43	3,155.43	21.14	108.46	121.00	411.62	-8,359.26	8,938.16	8,809.83	128.33	69.648	
3,500.00	3,248.51	3,244.51	3,244.51	21.89	111.57	121.23	411.62	-8,359.26	8,963.65	8,831.54	132.11	67.849	
3,600.00	3,337.59	3,333.59	3,333.59	22.65	114.68	121.45	411.62	-8,359.26	8,989.30	8,853.41	135.89	66.152	
3,700.00	3,426.66	3,422.66	3,422.66	23.40	117.79	121.68	411.62	-8,359.26	9,015.10	8,875.44	139.67	64.548	
3,800.00	3,515.74	3,511.74	3,511.74	24.15	120.89	121.91	411.62	-8,359.26	9,041.06	8,897.62	143.44	63.029	
3,900.00	3,604.82	3,600.82	3,600.82	24.91	124.00	122.13	411.62	-8,359.26	9,067.17	8,919.95	147.22	61.590	
4,000.00	3,693.89	3,689.89	3,689.89	25.66	127.11	122.36	411.62	-8,359.26	9,093.44	8,942.44	150.99	60.224	
4,100.00	3,782.97	3,778.97	3,778.97	26.42	130.22	122.58	411.62	-8,359.26	9,119.85	8,965.08	154.77	58.926	
4,200.00	3,872.05	3,868.05	3,868.05	27.18	133.33	122.80	411.62	-8,359.26	9,146.42	8,987.88	158.54	57.691	
4,300.00	3,961.12	3,957.12	3,957.12	27.94	136.44	123.02	411.62	-8,359.26	9,173.13	9,010.82	162.32	56.514	
4,400.00	4,050.20	4,046.20	4,046.20	28.69	139.55	123.24	411.62	-8,359.26	9,199.99	9,033.90	166.09	55.393	
4,500.00	4,139.28	4,135.28	4,135.28	29.45	142.66	123.46	411.62	-8,359.26	9,227.00	9,057.14	169.86	54.322	
4,600.00	4,228.35	4,224.35	4,224.35	30.21	145.76	123.68	411.62	-8,359.26	9,254.15	9,080.52	173.63	53.299	
4,700.00	4,317.43	4,313.43	4,313.43	30.97	148.87	123.89	411.62	-8,359.26	9,281.44	9,104.04	177.40	52.320	
4,800.00	4,406.51	4,402.51	4,402.51	31.73	151.98	124.11	411.62	-8,359.26	9,308.88	9,127.71	181.16	51.383	
4,900.00	4,495.59	4,508.41	4,491.59	32.50	155.68	124.32	411.62	-8,359.26	9,336.45	9,150.93	185.52	50.326	
5,000.00	4,584.66	4,580.66	4,580.66	33.26	158.20	124.54	411.62	-8,359.26	9,364.17	9,175.47	188.70	49.625	

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

Offset Design Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,673.74	4,669.74	4,669.74	34.02	161.31	124.75	411.62	-8,359.26	9,392.02	9,199.56	192.46	48.799	
5,200.00	4,762.82	4,758.82	4,758.82	34.78	164.42	124.96	411.62	-8,359.26	9,420.01	9,223.78	196.23	48.006	
5,300.00	4,851.89	4,847.89	4,847.89	35.54	167.53	125.17	411.62	-8,359.26	9,448.13	9,248.15	199.99	47.244	
5,400.00	4,940.97	4,936.97	4,936.97	36.31	170.64	125.38	411.62	-8,359.26	9,476.39	9,272.65	203.75	46.510	
5,500.00	5,030.05	5,026.05	5,026.05	37.07	173.75	125.58	411.62	-8,359.26	9,504.79	9,297.28	207.51	45.804	
5,600.00	5,119.12	5,115.12	5,115.12	37.83	176.85	125.79	411.62	-8,359.26	9,533.31	9,322.05	211.27	45.124	
5,700.00	5,208.20	5,204.20	5,204.20	38.60	179.96	126.00	411.62	-8,359.26	9,561.97	9,346.95	215.02	44.469	
5,800.00	5,297.28	5,306.72	5,293.28	39.36	183.54	126.20	411.62	-8,359.26	9,590.76	9,371.51	219.25	43.743	
5,900.00	5,386.35	5,382.35	5,382.35	40.13	186.18	126.40	411.62	-8,359.26	9,619.67	9,397.13	222.54	43.228	
6,000.00	5,475.43	5,471.43	5,471.43	40.89	189.29	126.61	411.62	-8,359.26	9,648.71	9,422.42	226.29	42.639	
6,100.00	5,564.51	5,560.51	5,560.51	41.66	192.40	126.81	411.62	-8,359.26	9,677.88	9,447.84	230.04	42.070	
6,200.00	5,653.58	5,649.58	5,649.58	42.42	195.51	127.01	411.62	-8,359.26	9,707.17	9,473.38	233.79	41.520	
6,300.00	5,742.66	5,738.66	5,738.66	43.19	198.62	127.21	411.62	-8,359.26	9,736.59	9,499.05	237.54	40.989	
6,400.00	5,831.74	5,827.74	5,827.74	43.95	201.73	127.40	411.62	-8,359.26	9,766.13	9,524.84	241.29	40.474	
6,500.00	5,920.82	5,916.82	5,916.82	44.72	204.84	127.60	411.62	-8,359.26	9,795.79	9,550.75	245.04	39.976	
6,600.00	6,009.89	6,005.89	6,005.89	45.48	207.95	127.80	411.62	-8,359.26	9,825.58	9,576.79	248.79	39.494	
6,700.00	6,098.97	6,105.03	6,094.97	46.25	211.41	127.99	411.62	-8,359.26	9,855.48	9,602.60	252.88	38.972	
6,800.00	6,188.05	6,184.05	6,184.05	47.01	214.17	128.19	411.62	-8,359.26	9,885.50	9,629.22	256.28	38.574	
6,900.00	6,277.12	6,273.12	6,273.12	47.78	217.27	128.38	411.62	-8,359.26	9,915.64	9,655.62	260.02	38.134	
7,000.00	6,366.20	6,362.20	6,362.20	48.55	220.38	128.57	411.62	-8,359.26	9,945.89	9,682.13	263.76	37.708	
7,100.00	6,455.28	6,451.28	6,451.28	49.31	223.49	128.76	411.62	-8,359.26	9,976.26	9,708.76	267.50	37.294	
7,650.00	6,939.19	6,935.19	6,935.19	52.05	240.38	60.72	411.62	-8,359.26	9,993.89	9,707.10	286.78	34.848	
7,700.00	6,977.75	6,973.75	6,973.75	52.13	241.73	57.84	411.62	-8,359.26	9,974.43	9,686.28	288.15	34.615	
7,750.00	7,014.32	7,010.32	7,010.32	52.20	243.01	55.74	411.62	-8,359.26	9,951.66	9,662.24	289.42	34.385	
7,800.00	7,048.67	7,044.67	7,044.67	52.26	244.21	54.34	411.62	-8,359.26	9,925.72	9,635.13	290.59	34.157	
7,850.00	7,080.59	7,076.59	7,076.59	52.33	245.32	53.59	411.62	-8,359.26	9,896.77	9,605.11	291.66	33.933	
7,900.00	7,109.87	7,105.87	7,105.87	52.39	246.34	53.45	411.62	-8,359.26	9,864.98	9,572.37	292.62	33.713	
7,950.00	7,136.35	7,132.35	7,132.35	52.47	247.27	53.95	411.62	-8,359.26	9,830.56	9,537.09	293.47	33.498	
8,000.00	7,159.85	7,155.85	7,155.85	52.55	248.09	55.12	411.62	-8,359.26	9,793.70	9,499.48	294.21	33.288	
8,050.00	7,180.23	7,176.23	7,176.23	52.64	248.80	57.06	411.62	-8,359.26	9,754.63	9,459.78	294.85	33.083	
8,100.00	7,197.37	7,206.63	7,193.37	52.75	249.86	59.89	411.62	-8,359.26	9,713.60	9,417.75	295.84	32.834	
8,150.00	7,211.16	7,207.16	7,207.16	52.88	249.88	63.82	411.62	-8,359.26	9,670.83	9,375.04	295.80	32.694	
8,200.00	7,221.51	7,217.51	7,217.51	53.03	250.24	69.14	411.62	-8,359.26	9,626.60	9,330.50	296.11	32.511	
8,250.00	7,228.37	7,224.37	7,224.37	53.20	250.48	76.21	411.62	-8,359.26	9,581.17	9,284.86	296.31	32.335	
8,300.00	7,231.68	7,227.68	7,227.68	53.40	250.59	85.37	411.62	-8,359.26	9,534.80	9,238.40	296.40	32.169	
8,317.45	7,232.00	7,228.00	7,228.00	53.47	250.61	89.09	411.62	-8,359.26	9,518.45	9,222.04	296.41	32.113	
8,400.00	7,232.48	7,228.48	7,228.48	53.86	250.62	89.10	411.62	-8,359.26	9,440.98	9,144.57	296.41	31.851	
8,500.00	7,233.06	7,229.06	7,229.06	54.44	250.64	89.11	411.62	-8,359.26	9,347.25	9,050.81	296.44	31.531	
8,600.00	7,233.64	7,229.64	7,229.64	55.14	250.66	89.12	411.62	-8,359.26	9,253.66	8,957.16	296.50	31.210	
8,700.00	7,234.22	7,230.22	7,230.22	55.99	250.68	89.13	411.62	-8,359.26	9,160.19	8,863.61	296.59	30.886	
8,800.00	7,234.80	7,230.80	7,230.80	57.00	250.70	89.14	411.62	-8,359.26	9,066.87	8,770.17	296.70	30.559	
8,900.00	7,235.39	7,231.39	7,231.39	58.18	250.72	89.15	411.62	-8,359.26	8,973.69	8,676.84	296.85	30.230	
9,000.00	7,235.97	7,231.97	7,231.97	59.53	250.74	89.16	411.62	-8,359.26	8,880.66	8,583.63	297.03	29.898	
9,100.00	7,236.55	7,232.55	7,232.55	61.04	250.76	89.17	411.62	-8,359.26	8,787.78	8,490.53	297.25	29.564	
9,200.00	7,237.13	7,233.13	7,233.13	62.69	250.78	89.18	411.62	-8,359.26	8,695.06	8,397.56	297.50	29.227	
9,300.00	7,237.71	7,233.71	7,233.71	64.47	250.81	89.19	411.62	-8,359.26	8,602.51	8,304.71	297.80	28.887	
9,400.00	7,238.29	7,234.29	7,234.29	66.36	250.83	89.20	411.62	-8,359.26	8,510.12	8,211.99	298.13	28.545	
9,500.00	7,238.87	7,234.87	7,234.87	68.34	250.85	89.21	411.62	-8,359.26	8,417.90	8,119.40	298.50	28.200	
9,600.00	7,239.45	7,235.45	7,235.45	70.41	250.87	89.22	411.62	-8,359.26	8,325.87	8,026.95	298.92	27.853	
9,700.00	7,240.03	7,236.03	7,236.03	72.55	250.89	89.23	411.62	-8,359.26	8,234.02	7,934.63	299.38	27.503	
9,800.00	7,240.61	7,236.61	7,236.61	74.76	250.91	89.24	411.62	-8,359.26	8,142.36	7,842.47	299.90	27.151	
9,900.00	7,241.20	7,237.20	7,237.20	77.02	250.93	89.25	411.62	-8,359.26	8,050.90	7,750.45	300.45	26.796	

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

Offset Design Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH

Offset Site Error: 0.00 ft

Survey Program: 100-2° Cone@2.448 Sigma

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,000.00	7,241.78	7,237.78	7,237.78	79.33	250.95	89.26	411.62	-8,359.26	7,959.65	7,658.59	301.06	26.438	
10,100.00	7,242.36	7,238.36	7,238.36	81.68	250.97	89.27	411.62	-8,359.26	7,868.61	7,566.89	301.72	26.079	
10,200.00	7,242.94	7,238.94	7,238.94	84.07	250.99	89.28	411.62	-8,359.26	7,777.79	7,475.35	302.44	25.717	
10,300.00	7,243.52	7,239.52	7,239.52	86.49	251.01	89.29	411.62	-8,359.26	7,687.20	7,383.99	303.21	25.353	
10,400.00	7,244.10	7,240.10	7,240.10	88.95	251.03	89.30	411.62	-8,359.26	7,596.84	7,292.81	304.03	24.987	
10,500.00	7,244.68	7,240.68	7,240.68	91.43	251.05	89.31	411.62	-8,359.26	7,506.73	7,201.81	304.91	24.619	
10,600.00	7,245.26	7,241.26	7,241.26	93.93	251.07	89.32	411.62	-8,359.26	7,416.87	7,111.01	305.86	24.250	
10,700.00	7,245.84	7,241.84	7,241.84	96.46	251.09	89.33	411.62	-8,359.26	7,327.27	7,020.42	306.86	23.878	
10,800.00	7,246.42	7,242.42	7,242.42	99.01	251.11	89.34	411.62	-8,359.26	7,237.95	6,930.03	307.92	23.506	
10,900.00	7,247.01	7,243.01	7,243.01	101.58	251.13	89.35	411.62	-8,359.26	7,148.91	6,839.86	309.05	23.132	
11,000.00	7,247.59	7,243.59	7,243.59	104.16	251.15	89.36	411.62	-8,359.26	7,060.16	6,749.92	310.24	22.757	
11,100.00	7,248.17	7,244.17	7,244.17	106.76	251.17	89.37	411.62	-8,359.26	6,971.72	6,660.22	311.50	22.381	
11,200.00	7,248.75	7,244.75	7,244.75	109.37	251.19	89.38	411.62	-8,359.26	6,883.59	6,570.77	312.82	22.005	
11,300.00	7,249.33	7,245.33	7,245.33	112.00	251.21	89.39	411.62	-8,359.26	6,795.79	6,481.58	314.21	21.628	
11,400.00	7,249.91	7,245.91	7,245.91	114.64	251.23	89.40	411.62	-8,359.26	6,708.34	6,392.67	315.67	21.251	
11,500.00	7,250.49	7,246.49	7,246.49	117.29	251.25	89.41	411.62	-8,359.26	6,621.24	6,304.03	317.21	20.874	
11,600.00	7,251.07	7,247.07	7,247.07	119.95	251.27	89.42	411.62	-8,359.26	6,534.50	6,215.70	318.81	20.497	
11,700.00	7,251.65	7,247.65	7,247.65	122.62	251.29	89.44	411.62	-8,359.26	6,448.16	6,127.67	320.49	20.120	
11,800.00	7,252.23	7,248.23	7,248.23	125.30	251.31	89.45	411.62	-8,359.26	6,362.21	6,039.97	322.24	19.744	
11,900.00	7,252.82	7,248.82	7,248.82	127.98	251.33	89.46	411.62	-8,359.26	6,276.68	5,952.61	324.07	19.368	
12,000.00	7,253.40	7,249.40	7,249.40	130.68	251.35	89.47	411.62	-8,359.26	6,191.58	5,865.60	325.98	18.994	
12,100.00	7,253.98	7,249.98	7,249.98	133.38	251.37	89.48	411.62	-8,359.26	6,106.93	5,778.97	327.96	18.621	
12,200.00	7,254.56	7,250.56	7,250.56	136.09	251.39	89.49	411.62	-8,359.26	6,022.76	5,692.73	330.03	18.249	
12,300.00	7,255.14	7,251.14	7,251.14	138.81	251.41	89.50	411.62	-8,359.26	5,939.07	5,606.89	332.18	17.879	
12,400.00	7,255.72	7,251.72	7,251.72	141.53	251.43	89.51	411.62	-8,359.26	5,855.90	5,521.49	334.41	17.511	
12,500.00	7,256.30	7,252.30	7,252.30	144.26	251.45	89.52	411.62	-8,359.26	5,773.26	5,436.53	336.73	17.145	
12,600.00	7,256.88	7,252.88	7,252.88	146.99	251.47	89.53	411.62	-8,359.26	5,691.18	5,352.05	339.13	16.782	
12,700.00	7,257.46	7,253.46	7,253.46	149.73	251.49	89.54	411.62	-8,359.26	5,609.68	5,268.05	341.62	16.421	
12,800.00	7,258.04	7,254.04	7,254.04	152.47	251.52	89.55	411.62	-8,359.26	5,528.78	5,184.58	344.20	16.063	
12,900.00	7,258.63	7,254.63	7,254.63	155.22	251.54	89.56	411.62	-8,359.26	5,448.52	5,101.65	346.88	15.707	
13,000.00	7,259.21	7,255.21	7,255.21	157.97	251.56	89.57	411.62	-8,359.26	5,368.93	5,019.28	349.64	15.355	
13,100.00	7,259.79	7,255.79	7,255.79	160.72	251.58	89.58	411.62	-8,359.26	5,290.02	4,937.52	352.50	15.007	
13,200.00	7,260.37	7,256.37	7,256.37	163.48	251.60	89.59	411.62	-8,359.26	5,211.84	4,856.38	355.46	14.662	
13,300.00	7,260.95	7,256.95	7,256.95	166.24	251.62	89.60	411.62	-8,359.26	5,134.42	4,775.91	358.51	14.321	
13,400.00	7,261.53	7,257.53	7,257.53	169.01	251.64	89.61	411.62	-8,359.26	5,057.79	4,696.12	361.66	13.985	
13,480.77	7,262.00	7,258.00	7,258.00	171.24	251.65	89.62	411.62	-8,359.26	4,996.50	4,632.21	364.28	13.716	CC, ES, SF

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	29.92	1,667.08	959.38	1,923.63				
100.00	100.00	66.12	66.12	3.28	3.28	29.91	1,667.25	959.29	1,923.54	1,916.97	6.57	292.871	CC
200.00	200.00	170.91	170.90	3.34	3.32	29.89	1,667.90	958.79	1,923.84	1,917.18	6.66	288.944	
300.00	300.00	274.05	274.04	3.44	3.42	29.87	1,668.14	958.20	1,923.75	1,916.89	6.86	280.312	
305.26	305.26	279.30	279.29	3.45	3.42	-125.25	1,668.14	958.18	1,923.75	1,916.88	6.88	279.773	ES
400.00	399.98	370.15	370.14	3.60	3.56	-125.28	1,668.20	958.02	1,924.73	1,917.58	7.15	269.158	
500.00	499.84	468.49	468.48	3.79	3.74	-125.36	1,668.48	957.86	1,927.92	1,920.40	7.52	256.256	
600.00	599.45	571.95	571.94	4.02	3.97	-125.50	1,668.64	957.80	1,933.09	1,925.11	7.99	242.046	
700.00	698.70	670.94	670.93	4.29	4.22	-125.67	1,668.57	957.80	1,940.16	1,931.65	8.51	228.023	
800.00	797.47	764.81	764.81	4.59	4.49	-125.87	1,668.70	957.75	1,949.48	1,940.40	9.08	214.808	
900.00	895.62	862.57	862.56	4.93	4.78	-126.13	1,668.99	957.84	1,961.13	1,951.43	9.70	202.087	
1,000.00	993.06	965.25	965.25	5.31	5.11	-126.45	1,669.03	958.09	1,974.82	1,964.42	10.40	189.971	
1,100.00	1,089.64	1,067.44	1,067.43	5.72	5.45	-126.81	1,668.83	958.12	1,990.45	1,979.32	11.13	178.877	
1,200.00	1,185.27	1,162.66	1,162.65	6.16	5.78	-127.17	1,668.48	958.12	2,008.22	1,996.34	11.87	169.129	
1,300.00	1,279.82	1,258.63	1,258.63	6.64	6.12	-127.56	1,668.19	958.15	2,028.41	2,015.75	12.66	160.248	
1,400.00	1,373.17	1,352.09	1,352.08	7.15	6.46	-127.95	1,667.75	958.25	2,050.90	2,037.44	13.47	152.306	
1,500.00	1,465.21	1,440.84	1,440.83	7.70	6.79	-128.31	1,667.42	958.42	2,076.00	2,061.71	14.29	145.324	
1,600.00	1,555.84	1,530.01	1,530.00	8.30	7.12	-128.70	1,667.25	958.56	2,103.77	2,088.63	15.14	138.999	
1,651.50	1,601.92	1,577.56	1,577.55	8.62	7.31	-128.92	1,667.17	958.58	2,119.07	2,103.47	15.59	135.918	
1,700.00	1,645.13	1,621.00	1,620.99	8.93	7.47	-129.35	1,667.09	958.57	2,133.84	2,117.82	16.02	133.225	
1,800.00	1,734.20	1,708.99	1,708.98	9.58	7.81	-130.21	1,666.94	958.62	2,164.73	2,147.83	16.90	128.112	
1,900.00	1,823.28	1,804.67	1,804.66	10.25	8.19	-131.11	1,666.59	958.78	2,195.99	2,178.17	17.82	123.215	
2,000.00	1,912.36	1,898.97	1,898.95	10.94	8.56	-131.98	1,666.01	958.87	2,227.50	2,208.75	18.75	118.793	
2,100.00	2,001.43	1,989.20	1,989.18	11.63	8.91	-132.79	1,665.38	958.84	2,259.34	2,239.68	19.67	114.874	
2,200.00	2,090.51	2,079.38	2,079.36	12.34	9.27	-133.58	1,664.72	958.76	2,291.59	2,271.00	20.59	111.300	
2,300.00	2,179.59	2,170.46	2,170.44	13.05	9.64	-134.37	1,664.08	958.47	2,324.21	2,302.70	21.52	108.012	
2,400.00	2,268.66	2,262.95	2,262.92	13.76	10.01	-135.15	1,663.43	957.83	2,357.16	2,334.70	22.46	104.968	
2,500.00	2,357.74	2,352.36	2,352.33	14.49	10.38	-135.89	1,662.75	957.05	2,390.40	2,367.02	23.38	102.241	
2,600.00	2,446.82	2,437.25	2,437.21	15.21	10.72	-136.58	1,662.19	956.30	2,424.11	2,399.83	24.28	99.832	
2,700.00	2,535.89	2,519.41	2,519.37	15.95	11.06	-137.23	1,661.87	955.56	2,458.42	2,433.25	25.17	97.678	
2,800.00	2,624.97	2,601.15	2,601.11	16.68	11.39	-137.87	1,661.79	954.83	2,493.34	2,467.29	26.05	95.710	
2,900.00	2,714.05	2,685.38	2,685.34	17.42	11.74	-138.51	1,661.90	954.14	2,528.82	2,501.87	26.94	93.852	
3,000.00	2,803.12	2,775.25	2,775.21	18.16	12.11	-139.17	1,662.08	953.50	2,564.70	2,536.84	27.87	92.030	
3,100.00	2,892.20	2,865.77	2,865.72	18.90	12.48	-139.82	1,662.19	952.84	2,600.84	2,572.04	28.79	90.324	
3,200.00	2,981.28	2,964.95	2,964.89	19.65	12.89	-140.51	1,662.13	952.20	2,637.13	2,607.36	29.77	88.586	
3,300.00	3,070.36	3,059.46	3,059.40	20.40	13.28	-141.15	1,661.67	951.61	2,673.33	2,642.61	30.72	87.028	
3,400.00	3,159.43	3,144.92	3,144.85	21.14	13.64	-141.72	1,661.25	951.03	2,709.81	2,678.19	31.61	85.713	
3,500.00	3,248.51	3,222.22	3,222.16	21.89	13.96	-142.22	1,661.09	950.44	2,746.77	2,714.31	32.46	84.615	
3,600.00	3,337.59	3,289.42	3,289.35	22.65	14.24	-142.65	1,661.40	949.93	2,784.59	2,751.34	33.24	83.760	
3,700.00	3,426.66	3,366.99	3,366.92	23.40	14.56	-143.13	1,662.23	949.45	2,823.19	2,789.11	34.08	82.828	
3,800.00	3,515.74	3,449.07	3,448.99	24.15	14.90	-143.63	1,663.31	949.18	2,862.29	2,827.34	34.95	81.896	
3,900.00	3,604.82	3,530.35	3,530.26	24.91	15.24	-144.11	1,664.54	948.91	2,901.78	2,865.97	35.81	81.036	
4,000.00	3,693.89	3,608.51	3,608.41	25.66	15.57	-144.56	1,665.96	948.88	2,941.78	2,905.13	36.65	80.277	
4,100.00	3,782.97	3,694.16	3,694.04	26.42	15.92	-145.03	1,667.69	948.87	2,982.16	2,944.63	37.53	79.465	
4,200.00	3,872.05	3,783.41	3,783.27	27.18	16.30	-145.52	1,669.52	948.79	3,022.76	2,984.33	38.43	78.649	
4,300.00	3,961.12	3,893.07	3,892.91	27.94	16.76	-146.11	1,671.43	948.51	3,063.28	3,023.81	39.47	77.609	
4,400.00	4,050.20	3,991.39	3,991.23	28.69	17.17	-146.63	1,672.63	947.85	3,103.46	3,063.02	40.43	76.754	
4,500.00	4,139.28	4,087.23	4,087.05	29.45	17.57	-147.12	1,673.55	947.07	3,143.58	3,102.20	41.38	75.967	
4,600.00	4,228.35	4,177.63	4,177.45	30.21	17.95	-147.57	1,674.26	946.43	3,183.75	3,141.45	42.29	75.279	
4,700.00	4,317.43	4,271.04	4,270.86	30.97	18.34	-148.02	1,674.92	945.90	3,224.01	3,180.78	43.22	74.589	
4,800.00	4,406.51	4,362.52	4,362.33	31.73	18.73	-148.46	1,675.44	945.29	3,264.30	3,220.15	44.14	73.951	
4,900.00	4,495.59	4,453.34	4,453.15	32.50	19.11	-148.88	1,675.90	944.78	3,304.69	3,259.63	45.05	73.348	

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

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,584.66	4,540.40	4,540.21	33.26	19.48	-149.27	1,676.30	944.46	3,345.19	3,299.25	45.94	72.812	
5,100.00	4,673.74	4,627.50	4,627.31	34.02	19.85	-149.65	1,676.81	944.08	3,385.95	3,339.12	46.83	72.302	
5,200.00	4,762.82	4,729.22	4,729.02	34.78	20.28	-150.08	1,677.21	943.72	3,426.67	3,378.86	47.82	71.662	
5,300.00	4,851.89	4,833.52	4,833.32	35.54	20.72	-150.52	1,677.14	943.22	3,467.11	3,418.29	48.82	71.017	
5,400.00	4,940.97	4,932.57	4,932.37	36.31	21.14	-150.92	1,676.76	942.73	3,507.39	3,457.60	49.79	70.444	
5,500.00	5,030.05	5,035.90	5,035.70	37.07	21.57	-151.33	1,676.01	942.32	3,547.50	3,496.71	50.79	69.850	
5,600.00	5,119.12	5,130.11	5,129.90	37.83	21.97	-151.70	1,674.96	941.92	3,587.36	3,535.64	51.72	69.357	
5,700.00	5,208.20	5,207.95	5,207.74	38.60	22.30	-151.98	1,674.28	941.98	3,627.56	3,575.01	52.55	69.033	
5,800.00	5,297.28	5,321.73	5,321.51	39.36	22.78	-152.40	1,672.91	942.07	3,667.54	3,613.92	53.62	68.400	
5,900.00	5,386.35	5,397.80	5,397.57	40.13	23.10	-152.67	1,671.96	942.05	3,707.62	3,653.19	54.43	68.116	
6,000.00	5,475.43	5,495.80	5,495.57	40.89	23.52	-153.01	1,670.82	941.83	3,747.87	3,692.48	55.39	67.659	
6,100.00	5,564.51	5,579.11	5,578.87	41.66	23.87	-153.30	1,669.81	941.44	3,788.17	3,731.92	56.25	67.341	
6,200.00	5,653.58	5,670.58	5,670.33	42.42	24.26	-153.62	1,668.79	941.04	3,828.66	3,771.49	57.17	66.970	
6,300.00	5,742.66	5,757.38	5,757.12	43.19	24.63	-153.91	1,667.77	940.69	3,869.18	3,811.13	58.05	66.648	
6,400.00	5,831.74	5,843.72	5,843.46	43.95	24.99	-154.19	1,666.87	940.43	3,909.92	3,850.98	58.93	66.344	
6,500.00	5,920.82	5,930.75	5,930.49	44.72	25.36	-154.47	1,665.98	940.06	3,950.76	3,890.94	59.82	66.045	
6,600.00	6,009.89	6,012.03	6,011.76	45.48	25.71	-154.72	1,665.26	939.60	3,991.81	3,931.15	60.66	65.805	
6,700.00	6,098.97	6,086.06	6,085.79	46.25	26.02	-154.96	1,664.83	939.05	4,033.22	3,971.77	61.45	65.634	
6,800.00	6,188.05	6,177.69	6,177.41	47.01	26.41	-155.24	1,664.47	938.30	4,074.89	4,012.52	62.37	65.338	
6,900.00	6,277.12	6,264.12	6,263.85	47.78	26.78	-155.50	1,664.08	937.69	4,116.57	4,053.33	63.24	65.090	
7,000.00	6,366.20	6,344.97	6,344.69	48.55	27.12	-155.74	1,663.83	937.08	4,158.47	4,094.39	64.08	64.894	
7,100.00	6,455.28	6,427.73	6,427.45	49.31	27.47	-155.99	1,663.76	936.52	4,200.63	4,135.70	64.93	64.694	
7,197.64	6,542.25	6,515.64	6,515.35	50.06	27.85	-156.23	1,663.70	936.02	4,241.88	4,176.06	65.81	64.452	
7,200.00	6,544.35	6,517.56	6,517.28	50.08	27.85	-156.72	1,663.70	936.01	4,242.88	4,177.04	65.83	64.448	
7,250.00	6,589.22	6,558.66	6,558.37	50.44	28.03	-167.61	1,663.70	935.82	4,264.06	4,197.81	66.25	64.363	
7,300.00	6,634.48	6,600.12	6,599.83	50.77	28.21	-179.20	1,663.74	935.68	4,285.20	4,218.55	66.66	64.288	
7,350.00	6,679.86	6,646.72	6,646.44	51.06	28.40	169.04	1,663.79	935.52	4,306.15	4,239.06	67.09	64.183	
7,400.00	6,725.09	6,693.21	6,692.92	51.31	28.60	157.71	1,663.83	935.30	4,326.76	4,259.24	67.52	64.082	
7,450.00	6,769.87	6,735.53	6,735.24	51.52	28.78	147.32	1,663.87	935.08	4,346.91	4,279.00	67.91	64.008	
7,500.00	6,813.94	6,776.53	6,776.25	51.69	28.96	138.12	1,663.93	934.86	4,366.56	4,298.26	68.30	63.936	
7,550.00	6,857.03	6,819.26	6,818.97	51.84	29.14	130.20	1,664.02	934.64	4,385.59	4,316.89	68.70	63.838	
7,600.00	6,898.86	6,864.30	6,864.02	51.95	29.33	123.48	1,664.10	934.51	4,403.89	4,334.76	69.13	63.704	
7,650.00	6,939.19	6,907.64	6,907.35	52.05	29.51	117.79	1,664.16	934.49	4,421.39	4,351.82	69.56	63.558	
7,700.00	6,977.75	6,942.48	6,942.19	52.13	29.66	112.94	1,664.20	934.48	4,438.06	4,368.11	69.95	63.443	
7,750.00	7,014.32	6,976.53	6,976.25	52.20	29.80	108.82	1,664.27	934.43	4,453.89	4,383.53	70.36	63.300	
7,800.00	7,048.67	7,009.43	7,009.15	52.26	29.94	105.33	1,664.35	934.35	4,468.82	4,398.03	70.79	63.126	
7,850.00	7,080.59	7,042.17	7,041.88	52.33	30.08	102.38	1,664.43	934.29	4,482.82	4,411.56	71.26	62.910	
7,900.00	7,109.87	7,072.14	7,071.85	52.39	30.21	99.87	1,664.50	934.27	4,495.84	4,424.10	71.74	62.665	
7,950.00	7,136.35	7,099.16	7,098.87	52.47	30.33	97.73	1,664.56	934.27	4,507.88	4,435.63	72.25	62.390	
8,000.00	7,159.85	7,129.28	7,128.99	52.55	30.45	95.99	1,664.60	934.33	4,518.90	4,446.07	72.84	62.040	
8,050.00	7,180.23	7,155.42	7,155.13	52.64	30.56	94.53	1,664.60	934.42	4,528.89	4,455.45	73.45	61.662	
8,100.00	7,197.37	7,171.15	7,170.87	52.75	30.63	93.22	1,664.59	934.48	4,537.86	4,463.83	74.03	61.295	
8,150.00	7,211.16	7,184.75	7,184.47	52.88	30.69	92.16	1,664.58	934.54	4,545.81	4,471.15	74.66	60.889	
8,200.00	7,221.51	7,194.92	7,194.63	53.03	30.73	91.30	1,664.58	934.58	4,552.72	4,477.41	75.31	60.452	
8,250.00	7,228.37	7,201.57	7,201.29	53.20	30.76	90.64	1,664.58	934.60	4,558.57	4,482.58	75.99	59.991	
8,300.00	7,231.68	7,204.69	7,204.40	53.40	30.77	90.16	1,664.58	934.61	4,563.36	4,486.67	76.68	59.508	
8,317.45	7,232.00	7,204.94	7,204.65	53.47	30.77	90.03	1,664.58	934.62	4,564.77	4,487.84	76.93	59.337	
8,400.00	7,232.48	7,205.09	7,204.80	53.86	30.77	90.04	1,664.58	934.62	4,571.90	4,493.75	78.15	58.504	
8,500.00	7,233.06	7,205.27	7,204.98	54.44	30.77	90.04	1,664.58	934.62	4,582.50	4,502.76	79.74	57.470	
8,600.00	7,233.64	7,205.45	7,205.16	55.14	30.77	90.04	1,664.58	934.62	4,595.26	4,513.82	81.43	56.429	
8,700.00	7,234.22	7,205.63	7,205.34	55.99	30.78	90.04	1,664.58	934.62	4,610.15	4,526.93	83.22	55.395	
8,800.00	7,234.80	7,205.81	7,205.52	57.00	30.78	90.05	1,664.58	934.62	4,627.15	4,542.07	85.08	54.383	

Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**	True
Reference Well:	Falken 31C-14-S	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Plan #1	**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

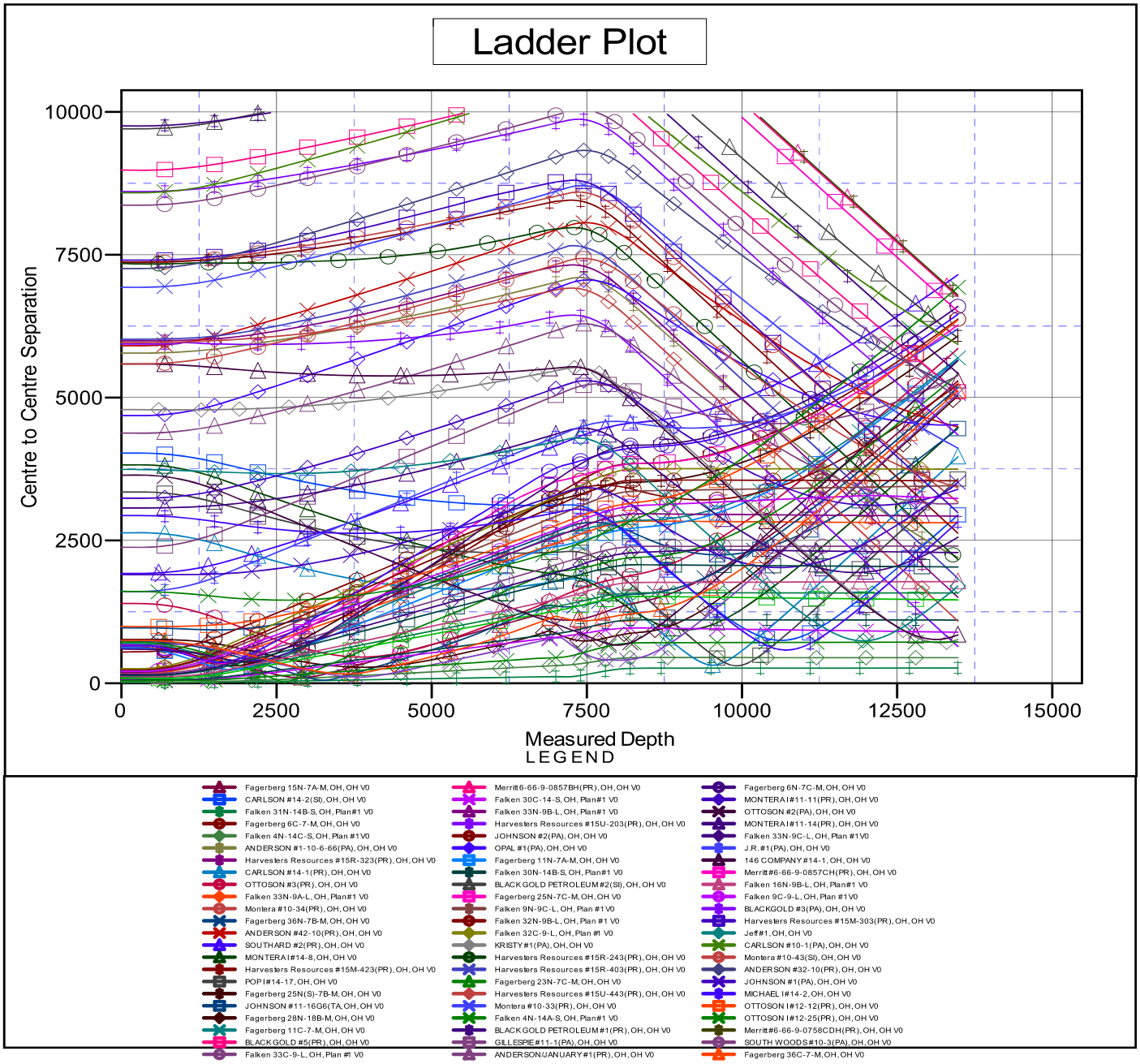
Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,235.39	7,205.99	7,205.71	58.18	30.78	90.05	1,664.58	934.62	4,646.25	4,559.24	87.01	53.402	
9,000.00	7,235.97	7,206.18	7,205.89	59.53	30.78	90.05	1,664.58	934.62	4,667.41	4,578.44	88.97	52.459	
9,100.00	7,236.55	7,206.36	7,206.07	61.04	30.78	90.05	1,664.57	934.62	4,690.61	4,599.64	90.97	51.561	
9,200.00	7,237.13	7,206.54	7,206.25	62.69	30.78	90.05	1,664.57	934.62	4,715.81	4,622.82	92.99	50.712	
9,300.00	7,237.71	7,206.72	7,206.43	64.47	30.78	90.06	1,664.57	934.62	4,742.99	4,647.96	95.03	49.913	
9,400.00	7,238.29	7,206.90	7,206.61	66.36	30.78	90.06	1,664.57	934.62	4,772.11	4,675.05	97.06	49.165	
9,500.00	7,238.87	7,207.08	7,206.79	68.34	30.78	90.06	1,664.57	934.62	4,803.14	4,704.04	99.10	48.470	
9,600.00	7,239.45	7,207.26	7,206.97	70.41	30.78	90.06	1,664.57	934.63	4,836.03	4,734.91	101.12	47.826	
9,700.00	7,240.03	7,207.44	7,207.16	72.55	30.78	90.07	1,664.57	934.63	4,870.76	4,767.64	103.12	47.233	
9,800.00	7,240.61	7,207.63	7,207.34	74.76	30.78	90.07	1,664.57	934.63	4,907.28	4,802.17	105.11	46.689	
9,900.00	7,241.20	7,207.81	7,207.52	77.02	30.78	90.07	1,664.57	934.63	4,945.55	4,838.48	107.06	46.193	
10,000.00	7,241.78	7,207.99	7,207.70	79.33	30.79	90.07	1,664.57	934.63	4,985.53	4,876.54	108.99	45.743	
10,100.00	7,242.36	7,208.17	7,207.88	81.68	30.79	90.07	1,664.57	934.63	5,027.19	4,916.30	110.89	45.337	
10,200.00	7,242.94	7,208.35	7,208.06	84.07	30.79	90.08	1,664.57	934.63	5,070.47	4,957.73	112.75	44.973	
10,300.00	7,243.52	7,208.53	7,208.24	86.49	30.79	90.08	1,664.57	934.63	5,115.35	5,000.78	114.57	44.649	
10,400.00	7,244.10	7,208.71	7,208.43	88.95	30.79	90.08	1,664.57	934.63	5,161.77	5,045.42	116.35	44.364	
10,500.00	7,244.68	7,208.90	7,208.61	91.43	30.79	90.08	1,664.57	934.63	5,209.69	5,091.60	118.09	44.116	
10,600.00	7,245.26	7,209.08	7,208.79	93.93	30.79	90.09	1,664.57	934.63	5,259.09	5,139.29	119.79	43.902	
10,700.00	7,245.84	7,209.26	7,208.97	96.46	30.79	90.09	1,664.57	934.63	5,309.90	5,188.45	121.45	43.721	
10,800.00	7,246.42	7,209.44	7,209.15	99.01	30.79	90.09	1,664.57	934.63	5,362.10	5,239.04	123.06	43.571	
10,900.00	7,247.01	7,209.62	7,209.33	101.58	30.79	90.09	1,664.57	934.63	5,415.65	5,291.01	124.64	43.451	
11,000.00	7,247.59	7,209.80	7,209.51	104.16	30.79	90.10	1,664.57	934.64	5,470.49	5,344.33	126.17	43.360	
11,100.00	7,248.17	7,209.98	7,209.69	106.76	30.79	90.10	1,664.57	934.64	5,526.61	5,398.96	127.65	43.294	
11,200.00	7,248.75	7,210.16	7,209.88	109.37	30.79	90.10	1,664.57	934.64	5,583.95	5,454.85	129.10	43.255	
11,300.00	7,249.33	7,210.35	7,210.06	112.00	30.80	90.10	1,664.57	934.64	5,642.48	5,511.98	130.50	43.239 SF	
11,400.00	7,249.91	7,210.53	7,210.24	114.64	30.80	90.10	1,664.57	934.64	5,702.16	5,570.30	131.86	43.246	
11,500.00	7,250.49	7,210.71	7,210.42	117.29	30.80	90.11	1,664.57	934.64	5,762.96	5,629.79	133.17	43.274	
11,600.00	7,251.07	7,210.89	7,210.60	119.95	30.80	90.11	1,664.57	934.64	5,824.84	5,690.39	134.45	43.323	
11,700.00	7,251.65	7,211.07	7,210.78	122.62	30.80	90.11	1,664.57	934.64	5,887.77	5,752.08	135.69	43.391	
11,800.00	7,252.23	7,211.25	7,210.96	125.30	30.80	90.11	1,664.57	934.64	5,951.72	5,814.83	136.89	43.478	
11,900.00	7,252.82	7,211.43	7,211.14	127.98	30.80	90.12	1,664.57	934.64	6,016.64	5,878.59	138.05	43.583	
12,000.00	7,253.40	7,211.61	7,211.33	130.68	30.80	90.12	1,664.57	934.64	6,082.52	5,943.35	139.18	43.704	
12,100.00	7,253.98	7,211.80	7,211.51	133.38	30.80	90.12	1,664.57	934.64	6,149.32	6,009.06	140.27	43.840	
12,200.00	7,254.56	7,211.98	7,211.69	136.09	30.80	90.12	1,664.57	934.64	6,217.01	6,075.69	141.32	43.992	
12,300.00	7,255.14	7,212.16	7,211.87	138.81	30.80	90.12	1,664.57	934.64	6,285.57	6,143.22	142.34	44.159	
12,400.00	7,255.72	7,212.34	7,212.05	141.53	30.80	90.13	1,664.57	934.65	6,354.95	6,211.62	143.33	44.339	
12,500.00	7,256.30	7,212.52	7,212.23	144.26	30.80	90.13	1,664.57	934.65	6,425.14	6,280.86	144.28	44.532	
12,600.00	7,256.88	7,212.70	7,212.41	146.99	30.81	90.13	1,664.57	934.65	6,496.12	6,350.91	145.21	44.737	
12,700.00	7,257.46	7,212.88	7,212.59	149.73	30.81	90.13	1,664.57	934.65	6,567.85	6,421.75	146.10	44.954	
12,800.00	7,258.04	7,213.06	7,212.78	152.47	30.81	90.14	1,664.57	934.65	6,640.31	6,493.34	146.97	45.183	
12,900.00	7,258.63	7,213.25	7,212.96	155.22	30.81	90.14	1,664.57	934.65	6,713.48	6,565.68	147.80	45.422	
13,000.00	7,259.21	7,213.43	7,213.14	157.97	30.81	90.14	1,664.57	934.65	6,787.33	6,638.72	148.61	45.671	
13,100.00	7,259.79	7,213.61	7,213.32	160.72	30.81	90.14	1,664.57	934.65	6,861.85	6,712.45	149.40	45.931	
13,200.00	7,260.37	7,213.79	7,213.50	163.48	30.81	90.15	1,664.57	934.65	6,937.00	6,786.85	150.15	46.199	
13,300.00	7,260.95	7,213.97	7,213.68	166.24	30.81	90.15	1,664.57	934.65	7,012.78	6,861.89	150.89	46.477	
13,400.00	7,261.53	7,214.15	7,213.86	169.01	30.81	90.15	1,664.57	934.65	7,089.16	6,937.56	151.60	46.763	
13,480.77	7,262.00	7,214.30	7,214.01	171.24	30.81	90.15	1,664.57	934.65	7,151.28	6,999.12	152.15	47.001	

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

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

Coordinates are relative to: Falken 31C-14-S
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°

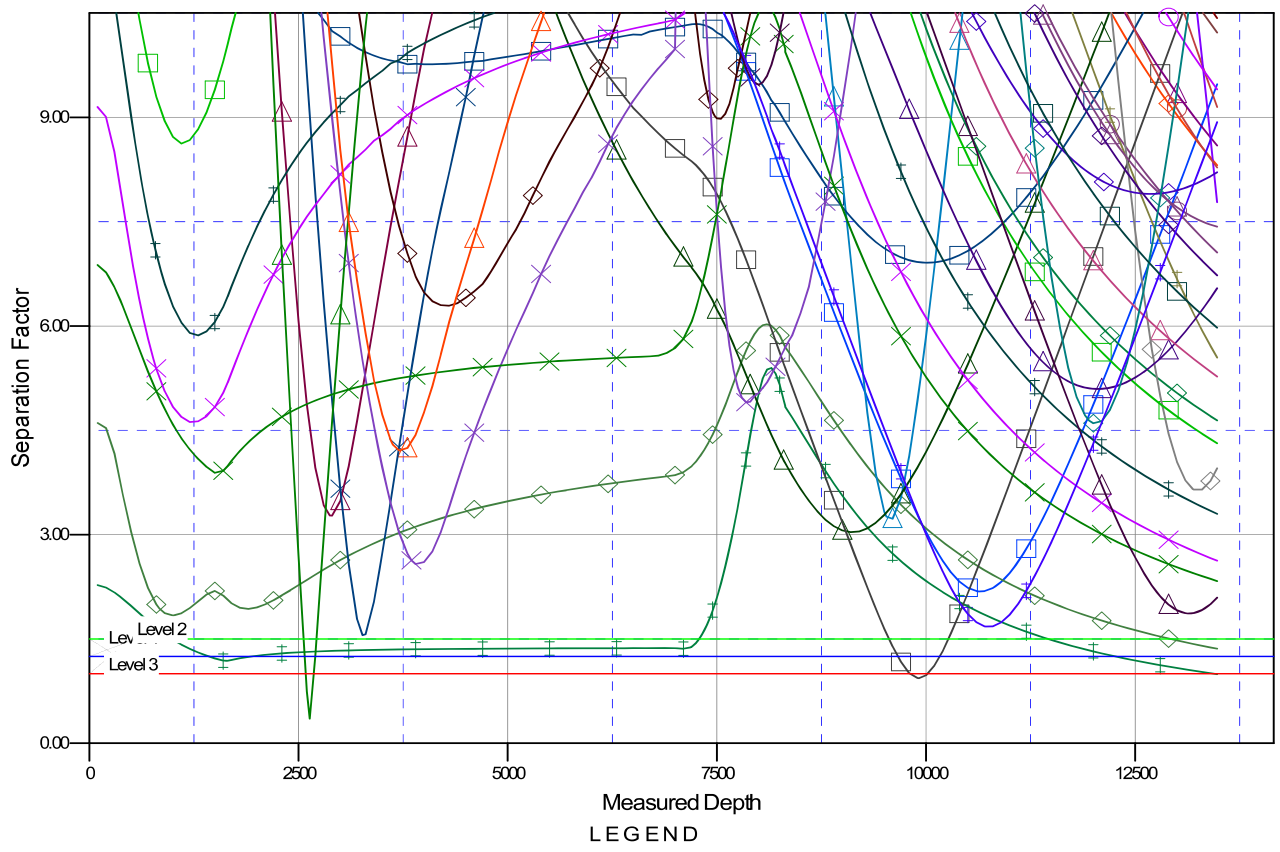


Company:	Synergy Resources Corporation	**Local Co-ordinate Reference:**	Well Falken 31C-14-S
Project:	SEC 12-13 T6N R66W	**TVD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	**MD Reference:**	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	**North Reference:**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

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

Coordinates are relative to: Falken 31C-14-S
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°

Separation Factor Plot



LEGEND

Fagerberg 15N-7A-M, OH, OH V0
CARLSON #14-2(SI), 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 I #14-8, OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0
POPI #14-17, OH, OH V0
Fagerberg 25N(S)-7B-M, OH, OH V0
JOHNSON #11-16G6(TA, OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0
Fagerberg 11C-7-M, OH, OH V0
BLACK GOLD #5(PR), OH, OH V0
Falken 33C-9-L, OH, Plan #1 V0
Merritt6-66-9-0857BH(PR), OH, OH V0
Falken 30C-14-S, OH, Plan#1 V0
Falken 33N-9B-L, OH, Plan#1 V0
Harvesters Resources #15U-203(PR), OH, OH V0
JOHNSON #2(PA), OH, OH V0
OPAL #1(PA), OH, OH V0
Fagerberg 11N-7A-M, OH, OH V0
Falken 30N-14B-S, OH, Plan#1 V0
BLACK GOLD PETROLEUM #2(SI), OH, OH V0
Fagerberg 25N-7C-M, OH, OH V0
Falken 9N-9C-L, OH, Plan #1 V0
Falken 32N-9B-L, OH, Plan #1 V0
Falken 32C-9-L, OH, Plan #1 V0
KRISTY #1(PA), OH, OH V0
Harvesters Resources #15R-243(PR), OH, OH V0
Harvesters Resources #15R-403(PR), OH, OH V0
Fagerberg 23N-7C-M, OH, OH V0
Harvesters Resources #15U-443(PR), OH, OH V0
Montera #10-33(PR), OH, OH V0
Falken 4N-14A-S, OH, Plan#1 V0
BLACK GOLD 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 I #11-11(PR), OH, OH V0
OTTOSON #2(PA), OH, OH V0
MONTERA I #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
Jeff #1, OH, OH V0
CARLSON #10-1(PA), OH, OH V0
Montera #10-43(SI), OH, OH V0
ANDERSON #32-10(PR), OH, OH V0
JOHNSON #1(PA), OH, OH V0
MICHAEL I #14-2, OH, OH V0
OTTOSON I #12-12(PR), OH, OH V0
OTTOSON I #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