



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 28C-3-L

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	4/5/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	18,095.23	Plan #1 (OH)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
Boomerang 12C-6-M - OH - Plan #1	200.00	200.00	135.06	128.38	20.236	CC, ES
Boomerang 12C-6-M - OH - Plan #1	400.00	397.44	142.81	135.61	19.854	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	150.07	143.39	22.485	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	300.00	296.41	152.96	146.08	22.215	SF
Boomerang 13C-6-M - OH - Plan #1	200.00	200.00	75.04	68.36	11.243	CC, ES
Boomerang 13C-6-M - OH - Plan #1	300.00	299.98	76.76	69.88	11.149	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	90.04	83.36	13.491	CC, ES
Boomerang 13N-6B-M - OH - Plan #1	300.00	300.13	91.68	84.80	13.321	SF
Boomerang 25N-3A-L - OH - Plan #1	200.00	200.00	210.23	203.56	31.500	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	18,095.23	17,324.69	2,480.10	1,871.13	4.073	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	225.13	218.45	33.731	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	18,095.23	17,414.74	2,631.76	2,021.37	4.312	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	15.01	8.33	2.248	CC
Boomerang 28N-3A-L - OH - Plan #1	700.00	702.34	15.67	6.96	1.798	ES
Boomerang 28N-3A-L - OH - Plan #1	18,095.23	17,622.59	368.33	10.16	1.028	Level 2, SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	180.10	173.42	26.984	CC, ES
Boomerang 32C-6-M - OH - Plan #1	300.00	295.24	183.12	176.23	26.596	SF
Boomerang 32N-6B-M - OH - Plan #1	200.00	200.00	195.10	188.42	29.232	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	400.00	393.77	203.50	196.30	28.286	SF
Boomerang 32N-6C-M - OH - Plan #1	200.00	200.00	165.09	158.42	24.737	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	400.00	395.48	173.26	166.07	24.084	SF
Boomerang 33C-6-M - OH - Plan #1	200.00	200.00	105.06	98.39	15.742	CC, ES
Boomerang 33C-6-M - OH - Plan #1	300.00	299.98	106.79	99.91	15.511	SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	120.07	113.39	17.990	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	300.00	298.34	122.46	115.58	17.791	SF
Boomerang 34C-6-M - OH - Plan #1	200.00	200.00	45.03	38.36	6.748	CC, ES
Boomerang 34C-6-M - OH - Plan #1	7,500.00	7,706.25	395.98	325.31	5.603	SF
Boomerang 34N-6A-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	7,050.00	7,689.02	523.80	451.62	7.257	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	30.00	23.33	4.495	CC
Boomerang 34N-6C-M - OH - Plan #1	7,350.00	7,689.37	81.57	10.91	1.154	Level 2, ES, SF
FRAKER #1 - OH - OH	6,794.10	6,602.38	4,144.52	3,883.48	15.877	CC
FRAKER #1 - OH - OH	6,800.00	6,608.28	4,144.55	3,883.28	15.863	ES
FRAKER #1 - OH - OH	7,100.00	6,903.36	4,216.05	3,943.48	15.468	SF
FRAKER J #6-2 - OH - OH	2,235.17	2,114.23	4,231.25	4,147.20	50.338	CC
FRAKER J #6-2 - OH - OH	6,800.00	6,564.28	4,287.32	4,027.64	16.510	ES
FRAKER J #6-2 - OH - OH	7,150.00	6,903.97	4,376.49	4,103.75	16.046	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 Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
GREELEY TECH CENTER #41-5 - OH - OH	9,864.35	7,109.59	2,277.68	2,167.40	20.654	CC
GREELEY TECH CENTER #41-5 - OH - OH	9,900.00	7,108.75	2,277.96	2,166.77	20.487	ES
GREELEY TECH CENTER #41-5 - OH - OH	10,600.00	7,092.31	2,393.48	2,268.12	19.094	SF
KELLY # 1-3 - OH - OH	16,418.67	7,210.21	554.80	42.33	1.083	Level 2, CC, ES, SF
KELLY #2-3 - OH - OH	17,739.44	7,204.38	1,990.07	1,440.36	3.620	CC
KELLY #2-3 - OH - OH	17,800.00	7,204.32	1,990.99	1,439.73	3.612	ES
KELLY #2-3 - OH - OH	17,900.00	7,204.21	1,996.54	1,443.33	3.609	SF
Kelly Farms #12-4-3CHZ - OH - OH	16,657.06	10,831.47	711.26	310.94	1.777	CC
Kelly Farms #12-4-3CHZ - OH - OH	17,800.00	11,946.54	737.83	269.21	1.574	ES
Kelly Farms #12-4-3CHZ - OH - OH	17,900.00	12,022.00	742.36	269.29	1.569	SF
Kelly Farms #22-4-3CHZ - OH - OH	13,897.89	8,037.59	455.54	217.43	1.913	CC
Kelly Farms #22-4-3CHZ - OH - OH	17,800.00	11,933.63	463.54	-5.18	0.989	Level 1, ES, SF
Kelly Farms #A-4-3CHZ - oH - OH	17,869.87	12,005.00	925.12	452.55	1.958	CC
Kelly Farms #A-4-3CHZ - oH - OH	17,900.00	12,005.00	925.61	452.38	1.956	ES, SF
Kelly Farms #A-4-3NHZ - OH - OH	17,343.83	11,351.22	1,138.35	700.75	2.601	CC
Kelly Farms #A-4-3NHZ - OH - OH	17,500.00	11,467.00	1,141.19	695.71	2.562	ES
Kelly Farms #A-4-3NHZ - OH - OH	18,000.00	11,898.00	1,171.52	700.15	2.485	SF
LA POUDRE SOUTH #4 - OH - OH	200.00	233.00	6,185.56	6,175.04	588.071	CC
LA POUDRE SOUTH #4 - OH - OH	6,800.00	6,631.28	6,405.39	6,143.47	24.455	ES
LA POUDRE SOUTH #4 - OH - OH	7,300.00	7,079.69	6,571.53	6,292.29	23.533	SF
Orr 36C-32-M - OH - OH	7,300.02	15,613.26	2,853.12	2,541.37	9.152	CC
Orr 36C-32-M - OH - OH	7,900.00	16,163.62	2,868.20	2,534.25	8.589	ES
Orr 36C-32-M - OH - OH	8,000.00	16,175.00	2,871.71	2,536.74	8.573	SF
Orr State 36N-35C-M - OH - OH	6,601.56	6,714.00	7,681.73	7,605.15	100.318	CC, ES
Orr State 36N-35C-M - OH - OH	6,950.00	6,714.00	7,707.41	7,629.91	99.447	SF
PEANUT #1 - OH - OH	4,507.10	4,307.47	7,347.83	7,174.40	42.369	CC
PEANUT #1 - OH - OH	6,800.00	6,585.28	7,347.86	7,087.36	28.207	ES
PEANUT #1 - OH - OH	7,250.00	7,002.70	7,499.62	7,223.12	27.123	SF
REICHERT #1-6 - OH - OH	3,095.53	2,988.05	5,932.05	5,812.32	49.547	CC
REICHERT #1-6 - OH - OH	6,800.00	6,633.28	5,944.68	5,682.51	22.675	ES
REICHERT #1-6 - OH - OH	7,250.00	7,045.30	6,093.78	5,815.79	21.920	SF
ROTHER #1-14 - OH - OH	6,794.10	6,625.38	8,281.42	8,019.66	31.638	CC
ROTHER #1-14 - OH - OH	6,800.00	6,631.28	8,281.44	8,019.46	31.610	ES
ROTHER #1-14 - OH - OH	7,350.00	7,113.28	8,508.97	8,228.60	30.348	SF
SOUTH #6-21D - OH - OH	2,970.14	2,400.00	5,359.88	5,328.28	169.643	CC
SOUTH #6-21D - OH - OH	3,200.00	2,613.42	5,361.54	5,326.69	153.827	ES
SOUTH #6-21D - OH - OH	7,100.00	7,179.20	5,931.07	5,850.69	73.785	SF
SOUTH #6-22D - OH - OH	3,337.83	2,641.44	5,355.98	5,325.66	176.645	CC
SOUTH #6-22D - OH - OH	3,400.00	2,681.52	5,356.13	5,325.25	173.432	ES
SOUTH #6-22D - OH - OH	7,100.00	6,875.43	5,759.60	5,695.19	89.423	SF
SOUTH #6-23D - OH - OH	2,449.89	1,631.25	5,421.66	5,400.80	259.936	CC
SOUTH #6-23D - OH - OH	2,500.00	1,649.08	5,421.81	5,400.58	255.339	ES
SOUTH #6-23D - OH - OH	7,000.00	7,000.00	5,858.88	5,790.72	85.954	SF
SOUTH #6-24D - OH - OH	2,789.27	1,949.29	5,422.71	5,397.04	211.292	CC
SOUTH #6-24D - OH - OH	3,000.00	2,100.00	5,424.00	5,395.81	192.456	ES
SOUTH #6-24D - OH - OH	7,050.00	7,050.00	6,176.21	6,085.91	68.391	SF
SRC #31-5D - OH - OH	8,400.19	7,350.00	2,144.24	2,067.78	28.043	CC, ES
SRC #31-5D - OH - OH	9,400.00	7,350.00	2,365.88	2,268.44	24.280	SF
SRC Northridge #11-4D - OH - OH	11,100.00	7,650.00	2,031.85	1,817.29	9.470	SF
SRC Northridge #11-4D - OH - OH	11,133.85	7,650.00	2,031.57	1,817.12	9.474	CC, ES
SRC Northridge #12-4D - OH - OH	11,249.60	7,450.00	717.84	511.30	3.476	CC, ES
SRC Northridge #12-4D - OH - OH	11,300.00	7,450.00	719.61	512.38	3.473	SF
SRC Northridge #21-4D - OH - OH	12,441.31	7,275.47	2,065.80	1,880.26	11.134	CC

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

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Well Error:	3.28 ft	Output errors are at	2.45 sigma
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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
SRC Northridge #21-4D - OH - OH	12,500.00	7,274.22	2,066.63	1,879.86	11.065	ES
SRC Northridge #21-4D - OH - OH	12,700.00	7,269.95	2,081.92	1,891.74	10.947	SF
SRC Northridge #22-4D - OH - OH	12,443.85	5,065.90	2,258.69	2,190.35	33.049	CC
SRC Northridge #22-4D - OH - OH	12,500.00	5,065.90	2,259.39	2,190.18	32.645	ES
SRC Northridge #22-4D - OH - OH	13,200.00	5,065.90	2,381.90	2,303.36	30.329	SF
SRC Northridge #4AD - OH - OH	11,862.18	7,369.13	1,210.65	1,023.59	6.472	CC, ES
SRC Northridge #4AD - OH - OH	11,900.00	7,368.15	1,211.24	1,023.77	6.461	SF
SRC Northridge #4KD - OH - OH	11,686.89	6,900.00	525.59	461.64	8.218	CC
SRC Northridge #4KD - OH - OH	11,700.00	6,900.00	525.76	461.61	8.197	ES
SRC Northridge #4KD - OH - OH	11,900.00	6,900.00	567.15	496.42	8.018	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	305.05	307.77	542.36	535.47	78.670	CC, ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	18,000.00	16,845.00	1,699.66	1,062.40	2.667	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	335.47	339.61	532.41	525.35	75.434	CC, ES
SRC Wiedeman #12-5-4CHZ - OH - OH	12,700.00	11,723.00	1,129.13	814.80	3.592	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	380.78	387.72	528.65	521.43	73.237	CC
SRC Wiedeman #12-5-4NCHZ - OH - OH	400.00	407.28	528.67	521.38	72.527	ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	12,600.00	11,650.00	906.32	596.50	2.925	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	268.37	268.41	554.71	547.93	81.811	CC, ES
SRC Wiedeman #21-5-3CHZ - OH - OH	17,700.00	16,474.00	2,324.78	1,709.84	3.780	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	252.40	250.52	551.16	544.41	81.688	CC, ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	18,000.00	16,792.00	1,932.24	1,296.92	3.041	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	8,590.76	7,850.98	361.45	272.07	4.044	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	12,500.00	11,745.92	418.06	111.52	1.364	Level 3, ES, SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	274.72	274.25	539.27	532.39	78.448	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	300.00	300.58	539.29	532.35	77.666	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	17,900.00	16,769.00	1,474.59	842.13	2.332	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	6,963.83	2,170.53	1,538.67	1,497.05	36.964	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	7,300.00	2,439.75	1,591.53	1,546.98	35.727	SF
WIEDEMAN #18-5 - OH - OH	100.00	58.86	995.80	989.23	151.510	CC, ES
WIEDEMAN #18-5 - OH - OH	7,050.00	6,826.23	1,510.93	1,449.57	24.624	SF
WIEDEMAN #22-5 - OH - OH	7,550.85	7,538.63	75.18	2.07	1.028	Level 2, CC, ES, SF
WIEDEMAN #25-5 - OH - OH	5,244.18	5,293.74	821.65	755.91	12.499	CC
WIEDEMAN #25-5 - OH - OH	5,400.00	5,444.43	822.49	755.29	12.239	ES
WIEDEMAN #25-5 - OH - OH	6,800.00	6,830.40	856.36	779.15	11.091	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.87	1,048.92	1,042.35	159.589	CC, ES
WIEDEMAN #29-5 - OH - OH	8,300.00	7,320.21	3,187.11	3,111.84	42.343	SF
WIEDEMAN #3-5 - OH - OH	791.37	815.32	1,015.18	1,005.62	106.212	CC
WIEDEMAN #3-5 - OH - OH	800.00	823.29	1,015.19	1,005.57	105.544	ES
WIEDEMAN #3-5 - OH - OH	8,100.00	7,183.30	2,304.25	2,230.18	31.109	SF
WIEDEMAN #4-5 - OH - OH	100.00	55.81	1,038.15	1,031.58	157.976	CC, ES
WIEDEMAN #4-5 - OH - OH	7,100.00	6,961.36	2,483.32	2,420.20	39.344	SF
WIEDEMAN #5-5 - OH - OH	100.00	57.06	1,017.58	1,011.01	154.835	CC, ES
WIEDEMAN #5-5 - OH - OH	6,850.00	6,737.42	1,572.85	1,501.30	21.984	SF
WIEDEMAN #6-5 - OH - OH	3,344.12	3,548.00	496.84	462.65	14.531	CC, ES
WIEDEMAN #6-5 - OH - OH	6,950.00	6,987.09	609.97	548.59	9.937	SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.56	134.42	13.08	135.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.56	134.42	13.08	135.06	128.49	6.57	20.559		
200.00	200.00	200.00	200.00	3.34	3.34	5.56	134.42	13.08	135.06	128.38	6.67	20.236 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	171.83	134.42	13.08	136.79	129.90	6.89	19.867		
400.00	399.84	397.44	397.42	3.59	3.60	172.69	135.08	14.60	142.81	135.61	7.19	19.854 SF		
500.00	499.45	494.08	493.93	3.79	3.79	174.67	137.03	19.12	154.07	146.48	7.59	20.289		
600.00	598.70	589.39	588.90	4.03	4.02	177.34	140.21	26.49	170.82	162.74	8.07	21.154		
700.00	697.47	682.86	681.72	4.31	4.27	-179.71	144.55	36.54	193.26	184.64	8.62	22.420		
800.00	795.62	775.74	773.59	4.64	4.56	-176.79	149.96	49.06	221.35	212.14	9.21	24.033		
900.00	893.06	869.95	866.69	5.00	4.86	-174.39	155.67	62.30	253.59	243.75	9.84	25.774		
1,000.00	989.64	963.01	958.65	5.40	5.18	-172.58	161.31	75.37	289.38	278.88	10.50	27.558		
1,100.00	1,085.27	1,054.80	1,049.37	5.83	5.52	-171.21	166.88	88.26	328.54	317.35	11.19	29.356		
1,200.00	1,179.82	1,145.23	1,138.73	6.29	5.86	-170.17	172.36	100.96	370.95	359.05	11.90	31.163		
1,235.00	1,212.63	1,176.53	1,169.67	6.46	5.98	-169.87	174.26	105.36	386.54	374.38	12.16	31.781		
1,300.00	1,273.43	1,234.50	1,226.95	6.79	6.21	-169.48	177.77	113.50	415.85	403.22	12.63	32.921		
1,400.00	1,366.98	1,323.67	1,315.07	7.30	6.57	-168.98	183.18	126.03	460.98	447.61	13.37	34.485		
1,500.00	1,460.52	1,412.85	1,403.20	7.84	6.93	-168.57	188.59	138.55	506.12	492.00	14.12	35.837		
1,600.00	1,554.07	1,502.02	1,491.32	8.38	7.30	-168.23	193.99	151.08	551.28	536.39	14.89	37.013		
1,700.00	1,647.61	1,608.80	1,579.45	8.93	7.75	-167.94	199.40	163.60	596.46	580.71	15.75	37.861		
1,800.00	1,741.16	1,680.37	1,667.58	9.49	8.06	-167.68	204.81	176.13	641.65	625.17	16.48	38.939		
1,900.00	1,834.70	1,769.55	1,755.70	10.06	8.44	-167.47	210.22	188.65	686.84	669.56	17.29	39.733		
2,000.00	1,928.25	1,858.72	1,843.83	10.63	8.83	-167.28	215.62	201.18	732.05	713.94	18.10	40.436		
2,100.00	2,021.79	1,947.90	1,931.95	11.21	9.22	-167.11	221.03	213.70	777.25	758.33	18.93	41.062		
2,200.00	2,115.33	2,037.08	2,020.08	11.79	9.61	-166.96	226.44	226.23	822.47	802.71	19.76	41.621		
2,300.00	2,208.88	2,126.25	2,108.21	12.37	10.01	-166.82	231.84	238.75	867.68	847.08	20.60	42.123		
2,400.00	2,302.42	2,215.43	2,196.33	12.96	10.40	-166.70	237.25	251.28	912.90	891.46	21.44	42.575		
2,500.00	2,395.97	2,304.60	2,284.46	13.55	10.80	-166.59	242.66	263.80	958.13	935.84	22.29	42.984		
2,600.00	2,489.51	2,406.22	2,372.58	14.14	11.26	-166.49	248.07	276.33	1,003.35	980.16	23.20	43.252		
2,700.00	2,583.06	2,482.95	2,460.71	14.74	11.60	-166.40	253.47	288.85	1,048.58	1,024.58	24.00	43.693		
2,800.00	2,676.60	2,572.13	2,548.83	15.34	12.01	-166.32	258.88	301.38	1,093.81	1,068.95	24.86	44.002		
2,900.00	2,770.14	2,661.31	2,636.96	15.93	12.41	-166.24	264.29	313.90	1,139.04	1,113.32	25.72	44.286		
3,000.00	2,863.69	2,750.48	2,725.09	16.53	12.82	-166.17	269.70	326.43	1,184.28	1,157.69	26.59	44.546		
3,100.00	2,957.23	2,839.66	2,813.21	17.13	13.22	-166.10	275.10	338.96	1,229.51	1,202.06	27.45	44.786		
3,200.00	3,050.78	2,928.83	2,901.34	17.74	13.63	-166.04	280.51	351.48	1,274.75	1,246.42	28.32	45.008		
3,300.00	3,144.32	3,018.01	2,989.46	18.34	14.04	-165.98	285.92	364.01	1,319.98	1,290.79	29.19	45.213		
3,400.00	3,237.87	3,107.18	3,077.59	18.94	14.45	-165.93	291.32	376.53	1,365.22	1,335.15	30.07	45.404		
3,500.00	3,331.41	3,203.64	3,165.72	19.55	14.89	-165.88	296.73	389.06	1,410.46	1,379.48	30.98	45.532		
3,600.00	3,424.96	3,285.53	3,253.84	20.15	15.27	-165.83	302.14	401.58	1,455.70	1,423.88	31.82	45.746		
3,666.72	3,487.37	3,345.03	3,312.64	20.56	15.54	-165.80	305.75	409.94	1,485.88	1,453.48	32.41	45.850		
3,700.00	3,518.57	3,374.79	3,342.05	20.76	15.68	-165.87	307.55	414.12	1,500.77	1,468.07	32.70	45.897		
3,800.00	3,613.09	3,465.19	3,431.39	21.34	16.09	-166.03	313.03	426.82	1,543.48	1,509.90	33.58	45.970		
3,900.00	3,708.70	3,556.97	3,522.08	21.90	16.52	-166.13	318.60	439.71	1,583.10	1,548.65	34.45	45.949		
4,000.00	3,805.27	3,650.01	3,614.02	22.44	16.95	-166.19	324.24	452.77	1,619.60	1,584.27	35.33	45.842		
4,100.00	3,902.69	3,744.19	3,707.10	22.95	17.38	-166.21	329.95	466.00	1,652.93	1,616.72	36.21	45.654		
4,200.00	4,000.84	3,839.42	3,801.20	23.43	17.82	-166.18	335.72	479.38	1,683.05	1,645.98	37.08	45.395		
4,300.00	4,099.59	3,935.56	3,896.21	23.89	18.27	-166.12	341.55	492.88	1,709.95	1,672.01	37.94	45.069		
4,400.00	4,198.84	4,032.50	3,992.01	24.32	18.72	-166.01	347.43	506.50	1,733.59	1,694.79	38.80	44.682		
4,500.00	4,298.45	4,130.12	4,088.49	24.73	19.17	-165.87	353.35	520.21	1,753.95	1,714.30	39.65	44.238		
4,600.00	4,398.30	4,228.31	4,185.52	25.11	19.63	-165.68	359.30	534.00	1,771.02	1,730.53	40.49	43.742		
4,701.72	4,500.00	4,328.65	4,284.68	25.45	20.10	28.37	365.39	548.09	1,785.00	1,743.69	41.31	43.208		
4,800.00	4,598.28	4,425.77	4,380.66	25.74	20.55	28.66	371.28	561.73	1,796.88	1,754.79	42.09	42.694		
4,900.00	4,698.28	4,524.59	4,478.31	26.04	21.01	28.96	377.27	575.62	1,809.02	1,766.13	42.88	42.186		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,623.42	4,575.97	26.34	21.47	29.25	383.26	589.50	1,821.20	1,777.52	43.68	41.696		
5,100.00	4,898.28	4,722.24	4,673.63	26.65	21.93	29.54	389.25	603.38	1,833.43	1,788.95	44.48	41.220		
5,200.00	4,998.28	4,821.06	4,771.29	26.96	22.39	29.83	395.25	617.26	1,845.70	1,800.42	45.28	40.760		
5,300.00	5,098.28	4,919.88	4,868.95	27.27	22.85	30.11	401.24	631.14	1,858.02	1,811.94	46.09	40.314		
5,400.00	5,198.28	5,018.71	4,966.61	27.59	23.31	30.39	407.23	645.02	1,870.39	1,823.49	46.90	39.882		
5,500.00	5,298.28	5,117.53	5,064.27	27.91	23.77	30.66	413.22	658.90	1,882.80	1,835.09	47.71	39.464		
5,600.00	5,398.28	5,216.35	5,161.93	28.23	24.23	30.93	419.21	672.78	1,895.25	1,846.72	48.52	39.058		
5,700.00	5,498.28	5,315.18	5,259.59	28.56	24.70	31.20	425.21	686.66	1,907.74	1,858.40	49.34	38.665		
5,800.00	5,598.28	5,414.00	5,357.25	28.89	25.16	31.46	431.20	700.54	1,920.27	1,870.11	50.16	38.283		
5,900.00	5,698.28	5,512.82	5,454.91	29.22	25.62	31.72	437.19	714.42	1,932.84	1,881.86	50.98	37.913		
6,000.00	5,798.28	5,611.64	5,552.57	29.56	26.08	31.98	443.18	728.30	1,945.45	1,893.65	51.80	37.554		
6,100.00	5,898.28	5,710.47	5,650.23	29.90	26.54	32.23	449.18	742.18	1,958.10	1,905.47	52.63	37.205		
6,200.00	5,998.28	5,809.29	5,747.89	30.24	27.01	32.48	455.17	756.06	1,970.79	1,917.33	53.46	36.867		
6,300.00	6,098.28	5,908.11	5,845.71	30.58	27.47	32.73	461.16	769.94	1,983.48	1,929.20	54.29	36.529		
6,400.00	6,198.28	6,007.93	5,943.53	30.92	27.93	32.98	467.15	783.82	1,996.17	1,941.07	55.12	36.191		
6,500.00	6,298.28	6,107.75	6,039.35	31.26	28.39	33.23	473.14	797.70	2,008.86	1,952.96	55.95	35.853		
6,600.00	6,398.28	6,207.57	6,129.17	31.60	28.85	33.48	479.13	811.58	2,021.55	1,964.85	56.78	35.515		
6,700.00	6,498.28	6,307.39	6,218.99	31.94	29.31	33.73	485.12	825.46	2,034.24	1,976.74	57.61	35.177		
6,794.10	6,592.38	6,401.61	6,307.19	32.31	29.77	33.98	491.11	839.34	2,046.93	1,988.63	58.44	34.839		
6,800.00	6,598.28	6,407.43	6,312.91	32.33	29.79	33.98	491.11	839.34	2,046.93	1,988.63	58.44	34.839		
6,850.00	6,648.21	6,452.45	6,357.93	32.51	29.93	34.00	493.14	843.30	2,050.90	1,992.60	58.66	34.741		
6,900.00	6,697.79	6,501.59	6,402.00	32.69	30.07	34.02	495.18	847.26	2,054.86	1,996.56	58.88	34.643		
6,950.00	6,746.73	6,550.57	6,450.98	32.86	30.21	34.04	497.21	851.22	2,058.82	1,999.99	59.10	34.545		
7,000.00	6,794.71	6,599.55	6,499.96	33.03	30.35	34.06	499.25	855.18	2,062.78	2,003.95	59.32	34.447		
7,050.00	6,841.44	6,648.53	6,548.94	33.20	30.49	34.08	501.28	859.14	2,066.74	2,007.91	59.54	34.349		
7,100.00	6,886.64	6,697.51	6,597.92	33.35	30.63	34.10	503.32	863.10	2,070.70	2,011.87	59.76	34.251		
7,150.00	6,930.03	6,746.50	6,646.90	33.50	30.77	34.12	505.35	867.06	2,074.66	2,015.83	59.98	34.153		
7,200.00	6,971.33	6,795.48	6,695.88	33.64	30.91	34.14	507.39	871.02	2,078.62	2,019.79	60.20	34.055		
7,250.00	7,010.30	6,844.46	6,744.86	33.77	31.05	34.16	509.42	874.98	2,082.58	2,023.75	60.42	33.957		
7,300.00	7,046.69	6,893.44	6,793.84	33.89	31.19	34.18	511.46	878.94	2,086.54	2,027.71	60.64	33.859		
7,332.74	7,069.01	6,915.76	6,816.16	33.96	31.26	34.19	512.67	880.15	2,088.76	2,029.93	60.76	33.821		
7,350.00	7,080.28	6,927.03	6,827.43	34.00	31.30	34.20	513.71	881.19	2,090.80	2,031.97	60.80	33.801		
7,400.00	7,110.86	6,957.61	6,857.01	34.11	31.41	34.21	515.75	883.23	2,094.76	2,035.93	61.02	33.703		
7,450.00	7,138.25	6,984.00	6,883.40	34.21	31.51	34.22	517.78	885.27	2,098.72	2,039.89	61.24	33.605		
7,500.00	7,162.27	7,007.93	6,907.33	34.32	31.61	34.23	519.82	887.31	2,102.68	2,043.85	61.46	33.507		
7,550.00	7,182.77	7,027.95	6,927.35	34.43	31.71	34.24	521.85	889.35	2,106.64	2,047.81	61.68	33.409		
7,600.00	7,199.64	7,044.82	6,944.22	34.57	31.80	34.25	523.89	891.39	2,110.60	2,051.77	61.90	33.311		
7,650.00	7,212.76	7,058.95	6,958.35	34.76	31.98	34.26	525.92	893.43	2,114.56	2,055.73	62.12	33.213		
7,700.00	7,222.06	7,070.80	6,970.20	35.02	32.42	34.27	527.96	895.47	2,118.52	2,059.69	62.34	33.115		
7,750.00	7,227.47	7,075.35	6,975.75	35.37	32.72	34.28	529.99	897.51	2,122.48	2,063.65	62.56	33.017		
7,793.42	7,229.00	7,076.14	6,976.54	35.74	32.83	34.29	531.03	898.55	2,124.52	2,065.69	62.68	33.001		
7,800.00	7,229.01	7,076.15	6,976.55	35.80	32.84	34.29	531.03	898.55	2,124.52	2,065.69	62.68	33.001		
7,900.00	7,229.11	7,076.25	6,976.65	36.91	33.13	34.30	533.07	900.59	2,128.48	2,069.65	62.90	32.903		
8,000.00	7,229.22	7,076.35	6,976.75	38.28	34.30	34.31	535.11	902.63	2,132.44	2,073.61	63.12	32.805		
8,100.00	7,229.33	7,076.45	6,976.85	39.83	33.67	34.32	537.15	904.67	2,136.40	2,077.57	63.34	32.707		
8,200.00	7,229.43	7,076.55	6,976.95	41.53	33.19	34.33	539.18	906.71	2,140.36	2,081.53	63.56	32.609		
8,300.00	7,229.54	7,076.65	6,977.05	43.36	32.81	34.34	541.22	908.75	2,144.32	2,085.49	63.78	32.511		
8,400.00	7,229.65	7,076.75	6,977.15	45.30	32.54	34.35	543.26	910.79	2,148.28	2,089.45	64.00	32.413		
8,500.00	7,229.75	7,076.85	6,977.25	47.33	32.32	34.36	545.29	912.83	2,152.24	2,093.41	64.22	32.315		
8,600.00	7,229.86	7,076.95	6,977.35	49.45	32.15	34.37	547.33	914.87	2,156.20	2,097.37	64.44	32.217		
8,700.00	7,229.97	7,077.05	6,977.45	51.64	32.00	34.38	549.37	916.91	2,160.16	2,101.33	64.66	32.119		
8,800.00	7,230.07	7,077.15	6,977.55	53.89	31.84	34.39	551.41	918.95	2,164.12	2,105.29	64.88	32.021		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,884.14	6,801.13	56.19	31.77	-75.90	515.45	778.81	1,880.27	1,797.95	82.32	22.842		
9,000.00	7,230.29	6,862.78	6,782.21	58.55	31.69	-75.30	514.72	788.70	1,917.65	1,834.15	83.50	22.965		
9,100.00	7,230.39	6,850.00	6,770.73	60.94	31.63	-74.94	514.26	794.31	1,958.99	1,874.30	84.69	23.132		
9,200.00	7,230.50	6,827.24	6,750.03	63.38	31.54	-74.28	513.42	803.72	2,004.05	1,918.40	85.65	23.398		
9,300.00	7,230.61	6,800.00	6,724.83	65.85	31.43	-73.49	512.35	814.01	2,052.81	1,966.36	86.46	23.744		
9,400.00	7,230.72	6,800.00	6,724.83	68.35	31.43	-73.49	512.35	814.01	2,104.76	2,017.28	87.48	24.059		
9,500.00	7,230.82	6,800.00	6,724.83	70.87	31.43	-73.49	512.35	814.01	2,160.09	2,071.69	88.40	24.436		
9,600.00	7,230.93	6,776.10	6,702.38	73.42	31.34	-72.79	511.35	822.14	2,218.14	2,129.18	88.96	24.933		
9,700.00	7,231.04	6,766.22	6,693.01	75.99	31.30	-72.50	510.93	825.26	2,279.08	2,189.48	89.60	25.437		
9,800.00	7,231.14	6,750.00	6,677.53	78.59	31.23	-72.02	510.22	830.05	2,342.61	2,252.52	90.09	26.004		
9,900.00	7,231.25	6,750.00	6,677.53	81.19	31.23	-72.02	510.22	830.05	2,408.44	2,317.76	90.68	26.561		
10,000.00	7,231.36	6,750.00	6,677.53	83.82	31.23	-72.02	510.22	830.05	2,476.56	2,385.36	91.20	27.157		
10,100.00	7,231.46	6,750.00	6,677.53	86.46	31.23	-72.02	510.22	830.05	2,546.78	2,455.13	91.65	27.788		
10,200.00	7,231.57	6,727.92	6,656.28	89.11	31.15	-71.36	509.22	835.94	2,618.57	2,526.72	91.85	28.510		
10,300.00	7,231.68	6,721.94	6,650.49	91.77	31.13	-71.18	508.94	837.41	2,692.28	2,600.13	92.15	29.216		
10,400.00	7,231.78	6,700.00	6,629.13	94.45	31.04	-70.53	507.91	842.33	2,767.79	2,675.53	92.26	30.000		
10,500.00	7,231.89	6,700.00	6,629.13	97.14	31.04	-70.53	507.91	842.33	2,844.47	2,751.92	92.54	30.737		
10,600.00	7,232.00	6,700.00	6,629.13	99.83	31.04	-70.53	507.91	842.33	2,922.55	2,829.76	92.79	31.496		
10,700.00	7,232.10	6,700.00	6,629.13	102.53	31.04	-70.53	507.91	842.33	3,001.94	2,908.93	93.00	32.277		
10,800.00	7,232.21	6,700.00	6,629.13	105.25	31.04	-70.53	507.91	842.33	3,082.52	2,989.33	93.19	33.077		
10,900.00	7,232.32	6,700.00	6,629.13	107.96	31.04	-70.53	507.91	842.33	3,164.22	3,070.87	93.35	33.895		
11,000.00	7,232.42	6,700.00	6,629.13	110.69	31.04	-70.53	507.91	842.33	3,246.94	3,153.44	93.49	34.729		
11,100.00	7,232.53	6,700.00	6,629.13	113.42	31.04	-70.53	507.91	842.33	3,330.60	3,236.99	93.61	35.578		
11,200.00	7,232.64	6,700.00	6,629.13	116.16	31.04	-70.53	507.91	842.33	3,415.15	3,321.43	93.72	36.441		
11,300.00	7,232.74	6,679.80	6,609.34	118.90	30.96	-69.92	506.92	846.20	3,500.18	3,406.52	93.66	37.372		
11,400.00	7,232.85	6,676.81	6,606.40	121.65	30.95	-69.84	506.77	846.72	3,586.19	3,492.47	93.72	38.266		
11,500.00	7,232.96	6,673.97	6,603.60	124.41	30.94	-69.75	506.63	847.20	3,672.89	3,579.13	93.76	39.171		
11,600.00	7,233.06	6,671.28	6,600.95	127.16	30.93	-69.67	506.50	847.65	3,760.25	3,666.44	93.81	40.086		
11,700.00	7,233.17	6,650.00	6,579.93	129.92	30.85	-69.04	505.41	850.77	3,848.49	3,754.79	93.70	41.071		
11,800.00	7,233.28	6,650.00	6,579.93	132.69	30.85	-69.04	505.41	850.77	3,936.94	3,843.19	93.75	41.994		
11,900.00	7,233.38	6,650.00	6,579.93	135.46	30.85	-69.04	505.41	850.77	4,025.94	3,932.15	93.79	42.925		
12,000.00	7,233.49	6,650.00	6,579.93	138.23	30.85	-69.04	505.41	850.77	4,115.44	4,021.61	93.82	43.863		
12,100.00	7,233.60	6,650.00	6,579.93	141.01	30.85	-69.04	505.41	850.77	4,205.41	4,111.55	93.85	44.808		
12,200.00	7,233.71	6,650.00	6,579.93	143.79	30.85	-69.04	505.41	850.77	4,295.82	4,201.95	93.88	45.760		
12,300.00	7,233.81	6,650.00	6,579.93	146.57	30.85	-69.04	505.41	850.77	4,386.66	4,292.76	93.90	46.717		
12,400.00	7,233.92	6,650.00	6,579.93	149.35	30.85	-69.04	505.41	850.77	4,477.88	4,383.96	93.91	47.680		
12,500.00	7,234.03	6,650.00	6,579.93	152.14	30.85	-69.04	505.41	850.77	4,569.47	4,475.54	93.93	48.648		
12,600.00	7,234.13	6,650.00	6,579.93	154.93	30.85	-69.04	505.41	850.77	4,661.40	4,567.46	93.94	49.621		
12,700.00	7,234.24	6,650.00	6,579.93	157.72	30.85	-69.04	505.41	850.77	4,753.66	4,659.71	93.95	50.598		
12,800.00	7,234.35	6,650.00	6,579.93	160.52	30.85	-69.04	505.41	850.77	4,846.23	4,752.28	93.96	51.579		
12,900.00	7,234.45	6,650.00	6,579.93	163.31	30.85	-69.04	505.41	850.77	4,939.09	4,845.13	93.96	52.564		
13,000.00	7,234.56	6,650.00	6,579.93	166.11	30.85	-69.04	505.41	850.77	5,032.22	4,938.25	93.97	53.552		
13,100.00	7,234.67	6,650.00	6,579.93	168.91	30.85	-69.04	505.41	850.77	5,125.61	5,031.64	93.97	54.543		
13,200.00	7,234.77	6,650.00	6,579.93	171.71	30.85	-69.04	505.41	850.77	5,219.25	5,125.27	93.98	55.539		
13,300.00	7,234.88	6,650.00	6,579.93	174.52	30.85	-69.04	505.41	850.77	5,313.12	5,219.14	93.98	56.534		
13,400.00	7,234.99	6,650.00	6,579.93	177.32	30.85	-69.04	505.41	850.77	5,407.20	5,313.22	93.98	57.534		
13,500.00	7,235.09	6,650.00	6,579.93	180.13	30.85	-69.04	505.41	850.77	5,501.50	5,407.51	93.99	58.535		
13,600.00	7,235.20	6,650.00	6,579.93	182.94	30.85	-69.04	505.41	850.77	5,595.99	5,502.00	93.99	59.539		
13,700.00	7,235.31	6,650.00	6,579.93	185.74	30.85	-69.04	505.41	850.77	5,690.67	5,596.68	93.99	60.545		
13,800.00	7,235.41	6,650.00	6,579.93	188.56	30.85	-69.04	505.41	850.77	5,785.54	5,691.54	93.99	61.552		
13,900.00	7,235.52	6,650.00	6,579.93	191.37	30.85	-69.04	505.41	850.77	5,880.57	5,786.57	94.00	62.561		
14,000.00	7,235.63	6,650.00	6,579.93	194.18	30.85	-69.04	505.41	850.77	5,975.76	5,881.76	94.00	63.571		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,650.00	6,579.93	197.00	30.85	-69.04	505.41	850.77	6,071.11	5,977.10	94.01	64.583		
14,200.00	7,235.84	6,650.00	6,579.93	199.81	30.85	-69.04	505.41	850.77	6,166.60	6,072.59	94.01	65.595		
14,300.00	7,235.95	6,650.00	6,579.93	202.63	30.85	-69.04	505.41	850.77	6,262.24	6,168.22	94.02	66.609		
14,400.00	7,236.05	6,650.00	6,579.93	205.44	30.85	-69.04	505.41	850.77	6,358.01	6,263.99	94.02	67.623		
14,500.00	7,236.16	6,627.28	6,557.38	208.26	30.76	-68.36	504.23	853.32	6,453.48	6,359.57	93.91	68.721		
14,600.00	7,236.27	6,626.41	6,556.52	211.08	30.76	-68.34	504.18	853.40	6,549.47	6,455.56	93.91	69.740		
14,700.00	7,236.37	6,625.58	6,555.69	213.90	30.76	-68.31	504.14	853.48	6,645.58	6,551.66	93.92	70.760		
14,800.00	7,236.48	6,624.76	6,554.88	216.72	30.75	-68.29	504.10	853.55	6,741.79	6,647.87	93.92	71.781		
14,900.00	7,236.59	6,623.97	6,554.09	219.55	30.75	-68.26	504.05	853.63	6,838.12	6,744.19	93.93	72.801		
15,000.00	7,236.69	6,623.20	6,553.33	222.37	30.75	-68.24	504.01	853.69	6,934.55	6,840.61	93.94	73.822		
15,100.00	7,236.80	6,622.45	6,552.58	225.19	30.75	-68.22	503.97	853.76	7,031.07	6,937.13	93.94	74.843		
15,200.00	7,236.91	6,600.00	6,530.22	228.02	30.66	-67.55	502.76	855.32	7,128.08	7,034.25	93.84	75.961		
15,300.00	7,237.02	6,600.00	6,530.22	230.84	30.66	-67.55	502.76	855.32	7,224.77	7,130.92	93.85	76.979		
15,400.00	7,237.12	6,600.00	6,530.22	233.67	30.66	-67.55	502.76	855.32	7,321.55	7,227.68	93.87	77.997		
15,500.00	7,237.23	6,600.00	6,530.22	236.50	30.66	-67.55	502.76	855.32	7,418.41	7,324.53	93.89	79.015		
15,600.00	7,237.34	6,600.00	6,530.22	239.32	30.66	-67.55	502.76	855.32	7,515.36	7,421.45	93.90	80.033		
15,700.00	7,237.44	6,600.00	6,530.22	242.15	30.66	-67.55	502.76	855.32	7,612.38	7,518.46	93.92	81.051		
15,800.00	7,237.55	6,600.00	6,530.22	244.98	30.66	-67.55	502.76	855.32	7,709.48	7,615.54	93.94	82.068		
15,900.00	7,237.66	6,600.00	6,530.22	247.81	30.66	-67.55	502.76	855.32	7,806.65	7,712.69	93.96	83.085		
16,000.00	7,237.76	6,600.00	6,530.22	250.64	30.66	-67.55	502.76	855.32	7,903.90	7,809.92	93.98	84.101		
16,100.00	7,237.87	6,600.00	6,530.22	253.47	30.66	-67.55	502.76	855.32	8,001.21	7,907.21	94.00	85.117		
16,200.00	7,237.98	6,600.00	6,530.22	256.30	30.66	-67.55	502.76	855.32	8,098.58	8,004.56	94.02	86.133		
16,300.00	7,238.08	6,600.00	6,530.22	259.13	30.66	-67.55	502.76	855.32	8,196.02	8,101.98	94.05	87.147		
16,400.00	7,238.19	6,600.00	6,530.22	261.96	30.66	-67.55	502.76	855.32	8,293.53	8,199.45	94.07	88.161		
16,500.00	7,238.30	6,600.00	6,530.22	264.79	30.66	-67.55	502.76	855.32	8,391.08	8,296.99	94.10	89.174		
16,600.00	7,238.40	6,600.00	6,530.22	267.63	30.66	-67.55	502.76	855.32	8,488.70	8,394.58	94.12	90.187		
16,700.00	7,238.51	6,600.00	6,530.22	270.46	30.66	-67.55	502.76	855.32	8,586.37	8,492.22	94.15	91.198		
16,800.00	7,238.62	6,600.00	6,530.22	273.29	30.66	-67.55	502.76	855.32	8,684.10	8,589.92	94.18	92.209		
16,900.00	7,238.72	6,600.00	6,530.22	276.13	30.66	-67.55	502.76	855.32	8,781.87	8,687.67	94.21	93.219		
17,000.00	7,238.83	6,600.00	6,530.22	278.96	30.66	-67.55	502.76	855.32	8,879.70	8,785.46	94.24	94.227		
17,100.00	7,238.94	6,600.00	6,530.22	281.80	30.66	-67.55	502.76	855.32	8,977.57	8,883.30	94.27	95.235		
17,200.00	7,239.04	6,600.00	6,530.22	284.63	30.66	-67.55	502.76	855.32	9,075.49	8,981.19	94.30	96.242		
17,300.00	7,239.15	6,600.00	6,530.22	287.47	30.66	-67.55	502.76	855.32	9,173.46	9,079.12	94.33	97.248		
17,400.00	7,239.26	6,600.00	6,530.22	290.30	30.66	-67.55	502.76	855.32	9,271.46	9,177.10	94.36	98.252		
17,500.00	7,239.36	6,600.00	6,530.22	293.14	30.66	-67.55	502.76	855.32	9,369.51	9,275.11	94.40	99.255		
17,600.00	7,239.47	6,600.00	6,530.22	295.98	30.66	-67.55	502.76	855.32	9,467.60	9,373.17	94.43	100.257		
17,700.00	7,239.58	6,600.00	6,530.22	298.81	30.66	-67.55	502.76	855.32	9,565.73	9,471.27	94.47	101.258		
17,800.00	7,239.68	6,600.00	6,530.22	301.65	30.66	-67.55	502.76	855.32	9,663.90	9,569.40	94.51	102.258		
17,900.00	7,239.79	6,600.00	6,530.22	304.49	30.66	-67.55	502.76	855.32	9,762.11	9,667.57	94.54	103.256		
18,000.00	7,239.90	6,600.00	6,530.22	307.33	30.66	-67.55	502.76	855.32	9,860.35	9,765.77	94.58	104.253		
18,095.23	7,240.00	6,600.00	6,530.22	310.03	30.66	-67.55	502.76	855.32	9,953.94	9,859.32	94.62	105.201		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.54	149.37	14.48	150.07					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	149.37	14.48	150.07	143.50	6.57	22.843		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	149.37	14.48	150.07	143.39	6.67	22.485 CC, ES		
300.00	299.98	296.41	296.39	3.44	3.44	172.23	150.37	15.75	152.96	146.08	6.89	22.215 SF		
400.00	399.84	392.22	392.08	3.59	3.59	173.69	153.35	19.55	161.71	154.50	7.20	22.449		
500.00	499.45	486.84	486.36	3.79	3.78	175.78	158.22	25.77	176.44	168.82	7.62	23.163		
600.00	598.70	579.73	578.62	4.03	4.01	178.16	164.88	34.25	197.28	189.18	8.11	24.332		
700.00	697.47	670.36	668.25	4.31	4.26	-179.43	173.14	44.79	224.27	215.62	8.66	25.909		
800.00	795.62	758.28	754.75	4.64	4.53	-177.18	182.83	57.14	257.33	248.09	9.24	27.839		
900.00	893.06	843.09	837.70	5.00	4.81	-175.16	193.73	71.03	296.29	286.44	9.85	30.082		
1,000.00	989.64	924.45	916.76	5.40	5.11	-173.39	205.60	86.17	340.89	330.42	10.47	32.559		
1,100.00	1,085.27	1,006.91	996.38	5.83	5.43	-171.80	218.82	103.03	390.57	379.47	11.10	35.180		
1,200.00	1,179.82	1,108.59	1,077.91	6.29	5.85	-170.49	232.52	120.49	443.60	431.77	11.83	37.496		
1,235.00	1,212.63	1,120.56	1,106.04	6.46	5.90	-170.10	237.24	126.52	462.87	450.87	12.00	38.558		
1,300.00	1,273.43	1,174.47	1,158.06	6.79	6.13	-169.60	245.98	137.66	499.00	486.56	12.44	40.119		
1,400.00	1,366.98	1,257.42	1,238.09	7.30	6.50	-168.95	259.43	154.81	554.63	541.51	13.12	42.275		
1,500.00	1,460.52	1,340.37	1,318.13	7.84	6.88	-168.42	272.88	171.95	610.30	596.48	13.82	44.153		
1,600.00	1,554.07	1,423.32	1,398.17	8.38	7.26	-167.98	286.32	189.10	666.01	651.46	14.54	45.793		
1,700.00	1,647.61	1,506.27	1,478.21	8.93	7.65	-167.60	299.77	206.24	721.73	706.45	15.28	47.230		
1,800.00	1,741.16	1,589.22	1,558.24	9.49	8.05	-167.28	313.22	223.39	777.47	761.44	16.03	48.494		
1,900.00	1,834.70	1,672.17	1,638.28	10.06	8.45	-167.01	326.66	240.53	833.23	816.44	16.80	49.610		
2,000.00	1,928.25	1,755.12	1,718.32	10.63	8.86	-166.76	340.11	257.67	889.00	871.43	17.57	50.601		
2,100.00	2,021.79	1,838.07	1,798.35	11.21	9.27	-166.55	353.56	274.82	944.78	926.43	18.35	51.482		
2,200.00	2,115.33	1,921.02	1,878.39	11.79	9.68	-166.36	367.00	291.96	1,000.57	981.42	19.14	52.270		
2,300.00	2,208.88	2,003.97	1,958.43	12.37	10.10	-166.19	380.45	309.11	1,056.36	1,036.42	19.94	52.978		
2,400.00	2,302.42	2,086.92	2,038.46	12.96	10.52	-166.04	393.90	326.25	1,112.16	1,091.42	20.74	53.615		
2,500.00	2,395.97	2,169.87	2,118.50	13.55	10.94	-165.90	407.35	343.40	1,167.96	1,146.41	21.55	54.190		
2,600.00	2,489.51	2,252.82	2,198.54	14.14	11.36	-165.77	420.79	360.54	1,223.77	1,201.41	22.37	54.713		
2,700.00	2,583.06	2,335.77	2,278.57	14.74	11.79	-165.66	434.24	377.69	1,279.59	1,256.40	23.19	55.188		
2,800.00	2,676.60	2,418.72	2,358.61	15.34	12.22	-165.55	447.69	394.83	1,335.40	1,311.39	24.01	55.621		
2,900.00	2,770.14	2,501.67	2,438.65	15.93	12.64	-165.46	461.13	411.98	1,391.22	1,366.38	24.84	56.018		
3,000.00	2,863.69	2,584.62	2,518.69	16.53	13.07	-165.37	474.58	429.12	1,447.04	1,421.38	25.66	56.382		
3,100.00	2,957.23	2,667.57	2,598.72	17.13	13.50	-165.29	488.03	446.26	1,502.86	1,476.37	26.50	56.718		
3,200.00	3,050.78	2,750.52	2,678.76	17.74	13.94	-165.21	501.47	463.41	1,558.69	1,531.36	27.33	57.027		
3,300.00	3,144.32	2,833.47	2,758.80	18.34	14.37	-165.14	514.92	480.55	1,614.52	1,586.35	28.17	57.313		
3,400.00	3,237.87	2,916.42	2,838.83	18.94	14.80	-165.07	528.37	497.70	1,670.34	1,641.33	29.01	57.578		
3,500.00	3,331.41	3,000.63	2,918.87	19.55	15.24	-165.01	541.81	514.84	1,726.17	1,696.32	29.86	57.812		
3,600.00	3,424.96	3,082.32	2,998.91	20.15	15.67	-164.95	555.26	531.99	1,782.01	1,751.31	30.70	58.054		
3,666.72	3,487.37	3,137.66	3,052.31	20.56	15.96	-164.91	564.23	543.43	1,819.26	1,788.00	31.26	58.198		
3,700.00	3,518.57	3,165.37	3,079.04	20.76	16.11	-165.01	568.72	549.15	1,837.68	1,806.14	31.54	58.264		
3,800.00	3,613.09	3,249.83	3,160.54	21.34	16.55	-165.25	582.41	566.61	1,891.16	1,858.77	32.39	58.390		
3,900.00	3,708.70	3,336.02	3,243.71	21.90	17.00	-165.45	596.39	584.43	1,941.76	1,908.52	33.24	58.416		
4,000.00	3,805.27	3,423.84	3,328.44	22.44	17.47	-165.59	610.62	602.58	1,989.43	1,955.33	34.10	58.347		
4,100.00	3,902.69	3,513.18	3,414.64	22.95	17.94	-165.68	625.10	621.04	2,034.11	1,999.15	34.96	58.192		
4,200.00	4,000.84	3,603.92	3,502.19	23.43	18.42	-165.74	639.81	639.79	2,075.75	2,039.93	35.81	57.958		
4,300.00	4,099.59	3,704.04	3,591.00	23.89	18.95	-165.76	654.73	658.82	2,114.30	2,077.59	36.71	57.590		
4,400.00	4,198.84	3,789.18	3,680.95	24.32	19.40	-165.74	669.85	678.09	2,149.74	2,112.21	37.53	57.283		
4,500.00	4,298.45	3,883.48	3,771.94	24.73	19.90	-165.68	685.13	697.58	2,182.02	2,143.64	38.38	56.854		
4,600.00	4,398.30	3,978.73	3,863.84	25.11	20.40	-165.59	700.57	717.26	2,211.12	2,171.89	39.22	56.371		
4,701.72	4,500.00	4,076.49	3,958.17	25.45	20.92	28.36	716.42	737.47	2,237.42	2,197.36	40.06	55.853		
4,800.00	4,598.28	4,171.31	4,049.67	25.74	21.43	28.62	731.79	757.07	2,261.24	2,220.40	40.85	55.358		
4,900.00	4,698.28	4,267.80	4,142.77	26.04	21.94	28.88	747.43	777.01	2,285.53	2,243.87	41.66	54.867		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,364.29	4,235.87	26.34	22.45	29.13	763.08	796.95	2,309.85	2,267.39	42.47	54.392		
5,100.00	4,898.28	4,678.98	4,542.85	26.65	24.02	29.79	805.35	850.86	2,330.92	2,285.67	45.25	51.509		
5,200.00	4,998.28	5,088.97	4,950.70	26.96	25.72	30.15	828.94	880.93	2,339.61	2,291.60	48.01	48.730		
5,300.00	5,098.28	5,236.55	5,098.28	27.27	26.26	30.15	829.37	881.48	2,339.76	2,290.80	48.96	47.791		
5,400.00	5,198.28	5,336.55	5,198.28	27.59	26.63	30.15	829.37	881.48	2,339.76	2,290.07	49.69	47.085		
5,500.00	5,298.28	5,436.55	5,298.28	27.91	26.99	30.15	829.37	881.48	2,339.76	2,289.33	50.43	46.396		
5,600.00	5,398.28	5,536.55	5,398.28	28.23	27.36	30.15	829.37	881.48	2,339.76	2,288.59	51.17	45.722		
5,700.00	5,498.28	5,636.55	5,498.28	28.56	27.73	30.15	829.37	881.48	2,339.76	2,287.84	51.92	45.064		
5,800.00	5,598.28	5,736.55	5,598.28	28.89	28.11	30.15	829.37	881.48	2,339.76	2,287.09	52.67	44.422		
5,900.00	5,698.28	5,836.55	5,698.28	29.22	28.48	-2.85	774.67	-391.78	2,331.18	2,265.98	65.19	35.758		
6,000.00	5,798.28	5,936.55	5,798.28	29.56	28.85	-2.82	774.72	-390.70	2,279.34	2,212.61	66.73	34.156		
6,100.00	5,898.28	6,036.55	5,898.28	29.90	29.22	-2.79	774.76	-389.62	2,230.79	2,162.52	68.26	32.680		
6,200.00	5,998.28	6,136.55	5,998.28	30.24	29.56	-2.76	774.81	-388.54	2,185.73	2,115.97	69.76	31.332		
6,300.00	6,098.28	6,236.55	6,098.28	30.58	29.90	-2.72	774.85	-387.47	2,144.39	2,073.18	71.21	30.113		
6,400.00	6,198.28	6,336.55	6,198.28	30.92	30.24	-2.69	774.90	-386.39	2,107.00	2,034.40	72.60	29.022		
6,500.00	6,298.28	6,436.55	6,298.28	31.27	30.58	-2.66	774.95	-385.31	2,073.75	1,999.84	73.91	28.059		
6,600.00	6,398.28	6,536.55	6,398.28	31.62	30.92	-2.63	774.99	-384.23	2,044.86	1,969.75	75.11	27.225		
6,700.00	6,498.28	6,636.55	6,498.28	31.97	31.26	-2.60	775.04	-383.16	2,020.50	1,944.31	76.19	26.519		
6,794.10	6,592.38	6,730.55	6,592.38	32.31	31.60	-2.57	775.08	-382.14	2,001.88	1,924.80	77.08	25.971		
6,800.00	6,598.28	6,736.55	6,598.28	32.33	31.62	-92.48	775.09	-382.05	2,000.86	1,923.73	77.13	25.941		
6,850.00	6,648.21	6,786.55	6,648.21	32.51	31.80	-93.11	775.21	-379.09	1,992.95	1,915.46	77.49	25.718		
6,900.00	6,697.79	6,836.55	6,697.79	32.69	32.00	-93.50	775.51	-372.24	1,986.48	1,908.74	77.73	25.555		
6,950.00	6,746.73	6,886.55	6,746.73	32.86	32.26	-93.65	775.97	-361.52	1,981.43	1,903.59	77.85	25.453		
7,000.00	6,794.71	6,934.73	6,794.71	33.03	32.53	-93.58	776.59	-347.02	1,977.81	1,899.97	77.84	25.409		
7,050.00	6,841.44	6,982.55	6,841.44	33.20	32.80	-93.29	777.37	-328.81	1,975.55	1,897.85	77.71	25.423		
7,100.00	6,886.64	7,028.55	6,886.64	33.35	33.05	-92.80	778.31	-307.01	1,974.58	1,897.12	77.46	25.491		
7,115.80	6,900.56	7,042.93	6,900.56	33.40	33.10	-92.62	778.64	-299.40	1,974.52	1,897.04	77.48	25.484		
7,150.00	6,930.03	7,072.41	6,930.03	33.50	33.20	-92.15	779.40	-281.76	1,974.78	1,897.66	77.13	25.604		
7,200.00	6,971.33	7,113.71	6,971.33	33.64	33.34	-91.36	780.62	-253.21	1,976.03	1,899.32	76.70	25.762		
7,250.00	7,010.30	7,152.68	7,010.30	33.77	33.47	-90.46	781.98	-221.54	1,978.17	1,901.97	76.20	25.959		
7,300.00	7,046.69	7,189.07	7,046.69	33.89	33.59	-89.48	783.47	-186.94	1,981.04	1,905.39	75.65	26.186		
7,350.00	7,080.28	7,224.15	7,080.28	34.00	33.69	-88.45	785.07	-149.63	1,984.48	1,909.41	75.08	26.433		
7,400.00	7,110.86	7,254.73	7,110.86	34.11	33.79	-87.41	786.78	-109.83	1,988.32	1,913.85	74.47	26.699		
7,450.00	7,138.25	7,282.12	7,138.25	34.21	33.89	-86.40	788.59	-67.79	1,992.38	1,918.49	73.90	26.962		
7,500.00	7,162.27	7,306.14	7,162.27	34.32	33.99	-85.43	790.48	-23.78	1,996.52	1,923.18	73.34	27.224		
7,550.00	7,182.77	7,326.64	7,182.77	34.43	34.09	-84.55	792.44	21.95	2,000.57	1,927.74	72.83	27.468		
7,600.00	7,199.64	7,343.51	7,199.64	34.57	34.21	-83.77	794.47	69.10	2,004.41	1,932.02	72.39	27.689		
7,650.00	7,212.76	7,356.63	7,212.76	34.76	34.39	-83.11	796.54	117.39	2,007.93	1,935.91	72.02	27.880		
7,700.00	7,222.06	7,366.93	7,222.06	35.02	34.65	-82.60	798.65	166.51	2,011.04	1,939.29	71.74	28.030		
7,750.00	7,227.47	7,372.34	7,227.47	35.37	34.99	-82.23	800.79	216.17	2,013.66	1,942.11	71.55	28.145		
7,793.42	7,229.00	7,374.87	7,229.00	35.74	35.36	-82.04	802.37	253.12	2,015.54	1,943.99	71.55	28.169		
7,800.00	7,229.01	7,374.88	7,229.01	35.80	35.42	-82.04	802.57	257.69	2,015.82	1,944.25	71.57	28.165		
7,900.00	7,229.11	7,375.01	7,229.11	36.91	36.53	-81.90	805.52	326.43	2,020.79	1,948.81	71.98	28.073		
8,000.00	7,229.22	7,375.12	7,229.22	38.28	37.74	-81.55	808.49	395.56	2,027.36	1,954.83	72.54	27.949		
8,100.00	7,229.33	7,375.23	7,229.33	39.83	38.30	-81.08	810.99	453.70	2,035.69	1,962.30	73.38	27.741		
8,200.00	7,229.43	7,375.33	7,229.43	41.53	38.99	-80.47	813.37	509.13	2,046.01	1,971.65	74.36	27.514		
8,300.00	7,229.54	7,375.44	7,229.54	43.36	39.72	-79.79	815.48	558.15	2,058.61	1,983.11	75.49	27.268		
8,400.00	7,229.65	7,375.55	7,229.65	45.30	40.57	-79.07	817.31	600.77	2,073.74	1,996.99	76.75	27.019		
8,500.00	7,229.75	7,375.65	7,229.75	47.33	41.54	-78.34	818.88	637.42	2,091.66	2,013.57	78.09	26.784		
8,600.00	7,229.86	7,375.76	7,229.86	49.45	42.66	-77.64	820.23	668.69	2,112.56	2,033.06	79.50	26.575		
8,700.00	7,229.97	7,375.87	7,229.97	51.64	43.91	-76.93	821.42	696.38	2,136.58	2,055.68	80.91	26.408		
8,800.00	7,230.07	7,375.97	7,230.07	53.89	45.20	-76.33	822.34	717.86	2,163.83	2,081.47	82.36	26.273		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,900.00	6,725.58	56.19	32.68	-75.95	822.87	730.18	2,194.41	2,110.53	83.88	26.161		
9,000.00	7,230.29	6,862.81	6,696.56	58.55	32.50	-75.18	823.87	753.39	2,228.15	2,143.00	85.15	26.166		
9,100.00	7,230.39	6,850.00	6,686.25	60.94	32.44	-74.91	824.19	761.00	2,265.27	2,178.68	86.59	26.161		
9,200.00	7,230.50	6,817.47	6,659.40	63.38	32.28	-74.21	824.98	779.35	2,305.43	2,217.67	87.76	26.270		
9,300.00	7,230.61	6,800.00	6,644.61	65.85	32.20	-73.82	825.38	788.63	2,348.76	2,259.77	88.98	26.396		
9,400.00	7,230.72	6,780.30	6,627.63	68.35	32.12	-73.38	825.81	798.61	2,395.07	2,304.97	90.10	26.582		
9,500.00	7,230.82	6,750.00	6,600.93	70.87	31.98	-72.69	826.42	812.92	2,444.39	2,353.36	91.03	26.851		
9,600.00	7,230.93	6,750.00	6,600.93	73.42	31.98	-72.69	826.42	812.92	2,496.21	2,404.05	92.16	27.085		
9,700.00	7,231.04	6,750.00	6,600.93	75.99	31.98	-72.69	826.42	812.92	2,550.90	2,457.70	93.19	27.372		
9,800.00	7,231.14	6,723.64	6,577.17	78.59	31.87	-72.08	826.91	824.32	2,607.81	2,513.88	93.92	27.765		
9,900.00	7,231.25	6,700.00	6,555.48	81.19	31.78	-71.53	827.32	833.70	2,667.30	2,572.69	94.60	28.195		
10,000.00	7,231.36	6,700.00	6,555.48	83.82	31.78	-71.53	827.32	833.70	2,728.79	2,633.39	95.40	28.603		
10,100.00	7,231.46	6,700.00	6,555.48	86.46	31.78	-71.53	827.32	833.70	2,792.52	2,696.39	96.13	29.048		
10,200.00	7,231.57	6,700.00	6,555.48	89.11	31.78	-71.53	827.32	833.70	2,858.33	2,761.53	96.79	29.530		
10,300.00	7,231.68	6,674.50	6,531.71	91.77	31.67	-70.92	827.71	842.92	2,925.60	2,828.39	97.21	30.095		
10,400.00	7,231.78	6,650.00	6,508.54	94.45	31.58	-70.34	828.05	850.87	2,995.01	2,897.43	97.58	30.692		
10,500.00	7,231.89	6,650.00	6,508.54	97.14	31.58	-70.34	828.05	850.87	3,065.71	2,967.62	98.09	31.254		
10,600.00	7,232.00	6,650.00	6,508.54	99.83	31.58	-70.34	828.05	850.87	3,137.99	3,039.45	98.54	31.843		
10,700.00	7,232.10	6,650.00	6,508.54	102.53	31.58	-70.34	828.05	850.87	3,211.76	3,112.81	98.96	32.457		
10,800.00	7,232.21	6,650.00	6,508.54	105.25	31.58	-70.34	828.05	850.87	3,286.92	3,187.59	99.33	33.092		
10,900.00	7,232.32	6,650.00	6,508.54	107.96	31.58	-70.34	828.05	850.87	3,363.37	3,263.71	99.66	33.749		
11,000.00	7,232.42	6,628.94	6,488.38	110.69	31.50	-69.84	828.32	856.98	3,440.70	3,340.86	99.84	34.464		
11,100.00	7,232.53	6,623.87	6,483.51	113.42	31.48	-69.72	828.37	858.35	3,519.30	3,419.22	100.08	35.164		
11,200.00	7,232.64	6,600.00	6,460.39	116.16	31.38	-69.14	828.63	864.29	3,599.21	3,499.02	100.18	35.926		
11,300.00	7,232.74	6,600.00	6,460.39	118.90	31.38	-69.14	828.63	864.29	3,679.68	3,579.27	100.41	36.645		
11,400.00	7,232.85	6,600.00	6,460.39	121.65	31.38	-69.14	828.63	864.29	3,761.09	3,660.47	100.62	37.378		
11,500.00	7,232.96	6,600.00	6,460.39	124.41	31.38	-69.14	828.63	864.29	3,843.38	3,742.57	100.81	38.126		
11,600.00	7,233.06	6,600.00	6,460.39	127.16	31.38	-69.14	828.63	864.29	3,926.49	3,825.52	100.98	38.885		
11,700.00	7,233.17	6,600.00	6,460.39	129.92	31.38	-69.14	828.63	864.29	4,010.37	3,909.25	101.13	39.657		
11,800.00	7,233.28	6,600.00	6,460.39	132.69	31.38	-69.14	828.63	864.29	4,094.98	3,993.72	101.26	40.439		
11,900.00	7,233.38	6,600.00	6,460.39	135.46	31.38	-69.14	828.63	864.29	4,180.26	4,078.88	101.38	41.232		
12,000.00	7,233.49	6,600.00	6,460.39	138.23	31.38	-69.14	828.63	864.29	4,266.19	4,164.69	101.49	42.034		
12,100.00	7,233.60	6,600.00	6,460.39	141.01	31.38	-69.14	828.63	864.29	4,352.71	4,251.12	101.59	42.845		
12,200.00	7,233.71	6,600.00	6,460.39	143.79	31.38	-69.14	828.63	864.29	4,439.81	4,338.13	101.68	43.664		
12,300.00	7,233.81	6,600.00	6,460.39	146.57	31.38	-69.14	828.63	864.29	4,527.43	4,425.67	101.76	44.491		
12,400.00	7,233.92	6,577.05	6,437.97	149.35	31.30	-68.59	828.84	869.18	4,615.14	4,513.41	101.73	45.367		
12,500.00	7,234.03	6,574.48	6,435.44	152.14	31.29	-68.53	828.86	869.68	4,703.64	4,601.86	101.79	46.211		
12,600.00	7,234.13	6,572.00	6,433.01	154.93	31.28	-68.47	828.88	870.15	4,792.59	4,690.75	101.84	47.062		
12,700.00	7,234.24	6,550.00	6,411.34	157.72	31.20	-67.94	829.04	873.91	4,882.26	4,780.47	101.79	47.965		
12,800.00	7,234.35	6,550.00	6,411.34	160.52	31.20	-67.94	829.04	873.91	4,971.95	4,870.11	101.84	48.821		
12,900.00	7,234.45	6,550.00	6,411.34	163.31	31.20	-67.94	829.04	873.91	5,062.03	4,960.14	101.89	49.682		
13,000.00	7,234.56	6,550.00	6,411.34	166.11	31.20	-67.94	829.04	873.91	5,152.47	5,050.54	101.93	50.548		
13,100.00	7,234.67	6,550.00	6,411.34	168.91	31.20	-67.94	829.04	873.91	5,243.27	5,141.29	101.97	51.419		
13,200.00	7,234.77	6,550.00	6,411.34	171.71	31.20	-67.94	829.04	873.91	5,334.39	5,232.38	102.01	52.295		
13,300.00	7,234.88	6,550.00	6,411.34	174.52	31.20	-67.94	829.04	873.91	5,425.82	5,323.78	102.04	53.174		
13,400.00	7,234.99	6,550.00	6,411.34	177.32	31.20	-67.94	829.04	873.91	5,517.55	5,415.48	102.07	54.057		
13,500.00	7,235.09	6,550.00	6,411.34	180.13	31.20	-67.94	829.04	873.91	5,609.56	5,507.47	102.10	54.944		
13,600.00	7,235.20	6,550.00	6,411.34	182.94	31.20	-67.94	829.04	873.91	5,701.85	5,599.73	102.12	55.834		
13,700.00	7,235.31	6,550.00	6,411.34	185.74	31.20	-67.94	829.04	873.91	5,794.39	5,692.24	102.14	56.728		
13,800.00	7,235.41	6,550.00	6,411.34	188.56	31.20	-67.94	829.04	873.91	5,887.17	5,785.00	102.17	57.624		
13,900.00	7,235.52	6,550.00	6,411.34	191.37	31.20	-67.94	829.04	873.91	5,980.18	5,878.00	102.19	58.523		
14,000.00	7,235.63	6,550.00	6,411.34	194.18	31.20	-67.94	829.04	873.91	6,073.42	5,971.22	102.20	59.424		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,550.00	6,411.34	197.00	31.20	-67.94	829.04	873.91	6,166.87	6,064.65	102.22	60.328		
14,200.00	7,235.84	6,550.00	6,411.34	199.81	31.20	-67.94	829.04	873.91	6,260.52	6,158.28	102.24	61.234		
14,300.00	7,235.95	6,550.00	6,411.34	202.63	31.20	-67.94	829.04	873.91	6,354.37	6,252.11	102.26	62.142		
14,400.00	7,236.05	6,550.00	6,411.34	205.44	31.20	-67.94	829.04	873.91	6,448.40	6,346.13	102.27	63.052		
14,500.00	7,236.16	6,550.00	6,411.34	208.26	31.20	-67.94	829.04	873.91	6,542.60	6,440.32	102.29	63.964		
14,600.00	7,236.27	6,550.00	6,411.34	211.08	31.20	-67.94	829.04	873.91	6,636.98	6,534.68	102.30	64.877		
14,700.00	7,236.37	6,550.00	6,411.34	213.90	31.20	-67.94	829.04	873.91	6,731.52	6,629.21	102.32	65.792		
14,800.00	7,236.48	6,550.00	6,411.34	216.72	31.20	-67.94	829.04	873.91	6,826.21	6,723.89	102.33	66.708		
14,900.00	7,236.59	6,550.00	6,411.34	219.55	31.20	-67.94	829.04	873.91	6,921.06	6,818.72	102.34	67.626		
15,000.00	7,236.69	6,550.00	6,411.34	222.37	31.20	-67.94	829.04	873.91	7,016.05	6,913.69	102.36	68.544		
15,100.00	7,236.80	6,550.00	6,411.34	225.19	31.20	-67.94	829.04	873.91	7,111.17	7,008.80	102.37	69.464		
15,200.00	7,236.91	6,550.00	6,411.34	228.02	31.20	-67.94	829.04	873.91	7,206.43	7,104.04	102.39	70.385		
15,300.00	7,237.02	6,550.00	6,411.34	230.84	31.20	-67.94	829.04	873.91	7,301.81	7,199.41	102.40	71.306		
15,400.00	7,237.12	6,550.00	6,411.34	233.67	31.20	-67.94	829.04	873.91	7,397.32	7,294.90	102.42	72.229		
15,500.00	7,237.23	6,550.00	6,411.34	236.50	31.20	-67.94	829.04	873.91	7,492.94	7,390.51	102.43	73.152		
15,600.00	7,237.34	6,526.64	6,388.20	239.32	31.11	-67.38	829.18	877.07	7,588.23	7,485.86	102.37	74.126		
15,700.00	7,237.44	6,525.71	6,387.27	242.15	31.11	-67.36	829.18	877.18	7,684.04	7,581.65	102.38	75.052		
15,800.00	7,237.55	6,524.80	6,386.37	244.98	31.10	-67.34	829.19	877.29	7,779.95	7,677.55	102.40	75.978		
15,900.00	7,237.66	6,523.92	6,385.49	247.81	31.10	-67.31	829.19	877.39	7,875.96	7,773.55	102.41	76.905		
16,000.00	7,237.76	6,523.06	6,384.64	250.64	31.10	-67.29	829.20	877.48	7,972.07	7,869.65	102.43	77.832		
16,100.00	7,237.87	6,500.00	6,361.68	253.47	31.01	-66.74	829.29	879.64	8,068.68	7,966.31	102.37	78.822		
16,200.00	7,237.98	6,500.00	6,361.68	256.30	31.01	-66.74	829.29	879.64	8,164.94	8,062.56	102.39	79.747		
16,300.00	7,238.08	6,500.00	6,361.68	259.13	31.01	-66.74	829.29	879.64	8,261.29	8,158.89	102.41	80.673		
16,400.00	7,238.19	6,500.00	6,361.68	261.96	31.01	-66.74	829.29	879.64	8,357.73	8,255.31	102.43	81.598		
16,500.00	7,238.30	6,500.00	6,361.68	264.79	31.01	-66.74	829.29	879.64	8,454.25	8,351.81	102.45	82.524		
16,600.00	7,238.40	6,500.00	6,361.68	267.63	31.01	-66.74	829.29	879.64	8,550.85	8,448.39	102.47	83.449		
16,700.00	7,238.51	6,500.00	6,361.68	270.46	31.01	-66.74	829.29	879.64	8,647.53	8,545.04	102.49	84.374		
16,800.00	7,238.62	6,500.00	6,361.68	273.29	31.01	-66.74	829.29	879.64	8,744.28	8,641.77	102.51	85.300		
16,900.00	7,238.72	6,500.00	6,361.68	276.13	31.01	-66.74	829.29	879.64	8,841.11	8,738.57	102.54	86.225		
17,000.00	7,238.83	6,500.00	6,361.68	278.96	31.01	-66.74	829.29	879.64	8,938.00	8,835.44	102.56	87.150		
17,100.00	7,238.94	6,500.00	6,361.68	281.80	31.01	-66.74	829.29	879.64	9,034.97	8,932.38	102.58	88.074		
17,200.00	7,239.04	6,500.00	6,361.68	284.63	31.01	-66.74	829.29	879.64	9,132.00	9,029.39	102.61	88.998		
17,300.00	7,239.15	6,500.00	6,361.68	287.47	31.01	-66.74	829.29	879.64	9,229.09	9,126.45	102.63	89.922		
17,400.00	7,239.26	6,500.00	6,361.68	290.30	31.01	-66.74	829.29	879.64	9,326.24	9,223.58	102.66	90.845		
17,500.00	7,239.36	6,500.00	6,361.68	293.14	31.01	-66.74	829.29	879.64	9,423.45	9,320.77	102.69	91.768		
17,600.00	7,239.47	6,500.00	6,361.68	295.98	31.01	-66.74	829.29	879.64	9,520.72	9,418.01	102.72	92.690		
17,700.00	7,239.58	6,500.00	6,361.68	298.81	31.01	-66.74	829.29	879.64	9,618.05	9,515.31	102.74	93.612		
17,800.00	7,239.68	6,500.00	6,361.68	301.65	31.01	-66.74	829.29	879.64	9,715.43	9,612.66	102.77	94.533		
17,900.00	7,239.79	6,500.00	6,361.68	304.49	31.01	-66.74	829.29	879.64	9,812.86	9,710.06	102.80	95.454		
18,000.00	7,239.90	6,500.00	6,361.68	307.33	31.01	-66.74	829.29	879.64	9,910.35	9,807.52	102.83	96.373		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.54	74.69	7.24	75.04					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	74.69	7.24	75.04	68.47	6.57	11.422		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	74.69	7.24	75.04	68.36	6.67	11.243 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	171.89	74.69	7.24	76.76	69.88	6.89	11.149 SF		
400.00	399.84	400.66	400.64	3.59	3.60	173.59	73.98	8.86	81.44	74.25	7.19	11.324		
500.00	499.45	500.95	500.78	3.79	3.80	177.49	71.86	13.69	88.84	81.25	7.59	11.710		
600.00	598.70	600.55	600.00	4.03	4.03	-177.27	68.37	21.67	99.56	91.50	8.06	12.347		
700.00	697.47	699.18	697.89	4.31	4.30	-171.55	63.55	32.67	114.24	105.63	8.61	13.265		
800.00	795.62	796.55	794.06	4.64	4.60	-166.01	57.47	46.56	133.31	124.08	9.22	14.453		
900.00	893.06	892.41	888.19	5.00	4.93	-161.01	50.20	63.14	156.96	147.07	9.89	15.869		
1,000.00	989.64	986.52	979.97	5.40	5.28	-156.67	41.84	82.23	185.21	174.60	10.61	17.463		
1,100.00	1,085.27	1,078.68	1,069.13	5.83	5.66	-152.97	32.49	103.58	217.93	206.57	11.36	19.182		
1,200.00	1,179.82	1,170.35	1,157.20	6.29	6.06	-149.91	22.29	126.87	254.77	242.61	12.16	20.957		
1,235.00	1,212.63	1,202.45	1,188.02	6.46	6.21	-149.08	18.70	135.07	268.43	255.99	12.45	21.564		
1,300.00	1,273.43	1,261.92	1,245.14	6.79	6.49	-148.01	12.04	150.28	294.20	281.21	12.99	22.654		
1,400.00	1,366.98	1,353.43	1,333.01	7.30	6.93	-146.69	1.79	173.68	333.97	320.13	13.84	24.138		
1,500.00	1,460.52	1,444.94	1,420.88	7.84	7.38	-145.65	-8.46	197.08	373.86	359.15	14.71	25.414		
1,600.00	1,554.07	1,536.45	1,508.75	8.38	7.84	-144.81	-18.70	220.48	413.84	398.23	15.61	26.516		
1,700.00	1,647.61	1,627.96	1,596.62	8.93	8.31	-144.12	-28.95	243.88	453.87	437.35	16.52	27.471		
1,800.00	1,741.16	1,719.47	1,684.50	9.49	8.79	-143.54	-39.20	267.28	493.95	476.50	17.45	28.304		
1,900.00	1,834.70	1,810.98	1,772.37	10.06	9.28	-143.05	-49.45	290.68	534.07	515.68	18.39	29.034		
2,000.00	1,928.25	1,902.49	1,860.24	10.63	9.77	-142.62	-59.70	314.08	574.22	554.87	19.35	29.677		
2,100.00	2,021.79	2,006.00	1,948.11	11.21	10.33	-142.25	-69.94	337.48	614.39	594.02	20.38	30.151		
2,200.00	2,115.33	2,085.51	2,035.98	11.79	10.76	-141.93	-80.19	360.88	654.58	633.30	21.29	30.753		
2,300.00	2,208.88	2,177.02	2,123.86	12.37	11.27	-141.64	-90.44	384.28	694.79	672.52	22.26	31.206		
2,400.00	2,302.42	2,268.53	2,211.73	12.96	11.77	-141.39	-100.69	407.68	735.00	711.75	23.25	31.612		
2,500.00	2,395.97	2,360.04	2,299.60	13.55	12.28	-141.16	-110.94	431.07	775.23	750.99	24.24	31.979		
2,600.00	2,489.51	2,451.55	2,387.47	14.14	12.79	-140.95	-121.18	454.47	815.47	790.23	25.24	32.311		
2,700.00	2,583.06	2,543.06	2,475.34	14.74	13.31	-140.77	-131.43	477.87	855.72	829.48	26.24	32.612		
2,800.00	2,676.60	2,634.57	2,563.22	15.34	13.82	-140.60	-141.68	501.27	895.97	868.73	27.24	32.887		
2,900.00	2,770.14	2,726.08	2,651.09	15.93	14.34	-140.44	-151.93	524.67	936.23	907.98	28.25	33.139		
3,000.00	2,863.69	2,817.59	2,738.96	16.53	14.85	-140.30	-162.18	548.07	976.49	947.23	29.26	33.369		
3,100.00	2,957.23	2,909.10	2,826.83	17.13	15.37	-140.17	-172.42	571.47	1,016.76	986.49	30.28	33.582		
3,200.00	3,050.78	3,000.61	2,914.70	17.74	15.89	-140.05	-182.67	594.87	1,057.04	1,025.74	31.29	33.778		
3,300.00	3,144.32	3,107.88	3,002.58	18.34	16.51	-139.94	-192.92	618.27	1,097.31	1,064.91	32.40	33.867		
3,400.00	3,237.87	3,183.63	3,090.45	18.94	16.94	-139.83	-203.17	641.67	1,137.59	1,104.26	33.33	34.128		
3,500.00	3,331.41	3,275.14	3,178.32	19.55	17.46	-139.73	-213.42	665.07	1,177.88	1,143.52	34.36	34.284		
3,600.00	3,424.96	3,383.62	3,282.84	20.15	18.07	-139.68	-225.07	691.68	1,217.68	1,182.13	35.56	34.245		
3,666.72	3,487.37	3,460.61	3,357.62	20.56	18.48	-139.76	-232.40	708.42	1,243.33	1,206.94	36.38	34.172		
3,700.00	3,518.57	3,499.35	3,395.43	20.76	18.68	-139.99	-235.78	716.14	1,255.69	1,218.90	36.79	34.127		
3,800.00	3,613.09	3,617.54	3,511.45	21.34	19.26	-140.68	-244.83	736.80	1,289.99	1,252.00	37.99	33.955		
3,900.00	3,708.70	3,738.11	3,630.65	21.90	19.81	-141.37	-252.07	753.34	1,319.93	1,280.80	39.13	33.731		
4,000.00	3,805.27	3,860.63	3,752.44	22.44	20.33	-142.05	-257.36	765.42	1,345.41	1,305.19	40.22	33.447		
4,100.00	3,902.69	3,984.61	3,876.15	22.95	20.82	-142.74	-260.59	772.78	1,366.35	1,325.09	41.26	33.113		
4,200.00	4,000.84	4,109.57	4,001.07	23.43	21.27	-143.45	-261.66	775.24	1,382.71	1,340.48	42.23	32.742		
4,300.00	4,099.59	4,208.09	4,099.59	23.89	21.61	-143.98	-261.66	775.24	1,395.43	1,352.43	43.00	32.455		
4,400.00	4,198.84	4,307.33	4,198.84	24.32	21.95	-144.39	-261.66	775.24	1,405.38	1,361.63	43.75	32.121		
4,500.00	4,298.45	4,406.94	4,298.45	24.73	22.29	-144.68	-261.66	775.24	1,412.54	1,368.04	44.50	31.743		
4,600.00	4,398.30	4,506.80	4,398.30	25.11	22.64	-144.85	-261.66	775.24	1,416.86	1,371.63	45.23	31.324		
4,701.72	4,500.00	4,608.50	4,500.00	25.45	23.00	48.91	-261.66	775.24	1,418.34	1,372.40	45.95	30.870		
4,800.00	4,598.28	4,706.78	4,598.28	25.74	23.36	48.91	-261.66	775.24	1,418.34	1,371.73	46.61	30.430		
4,900.00	4,698.28	4,806.78	4,698.28	26.04	23.72	48.91	-261.66	775.24	1,418.34	1,371.05	47.29	29.991		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,906.78	4,798.28	26.34	24.08	48.91	-261.66	775.24	1,418.34	1,370.36	47.98	29.560		
5,100.00	4,898.28	5,006.78	4,898.28	26.65	24.44	48.91	-261.66	775.24	1,418.34	1,369.66	48.68	29.138		
5,200.00	4,998.28	5,106.78	4,998.28	26.96	24.81	48.91	-261.66	775.24	1,418.34	1,368.96	49.38	28.725		
5,300.00	5,098.28	5,206.78	5,098.28	27.27	25.18	48.91	-261.66	775.24	1,418.34	1,368.26	50.08	28.319		
5,400.00	5,198.28	5,306.78	5,198.28	27.59	25.55	48.91	-261.66	775.24	1,418.34	1,367.55	50.80	27.923		
5,500.00	5,298.28	5,406.78	5,298.28	27.91	25.93	48.91	-261.66	775.24	1,418.34	1,366.83	51.51	27.534		
5,600.00	5,398.28	5,506.78	5,398.28	28.23	26.30	48.91	-261.66	775.24	1,418.34	1,366.11	52.23	27.154		
5,700.00	5,498.28	5,606.78	5,498.28	28.56	26.68	48.91	-261.66	775.24	1,418.34	1,365.38	52.96	26.781		
5,800.00	5,598.28	5,706.78	5,598.28	28.89	27.06	48.91	-261.66	775.24	1,418.34	1,364.65	53.69	26.417		
5,900.00	5,698.28	5,806.78	5,698.28	29.22	27.44	48.91	-261.66	775.24	1,418.34	1,363.92	54.43	26.060		
6,000.00	5,798.28	5,906.78	5,798.28	29.56	27.82	48.91	-261.66	775.24	1,418.34	1,363.18	55.17	25.711		
6,100.00	5,898.28	6,006.78	5,898.28	29.90	28.21	48.91	-261.66	775.24	1,418.34	1,362.43	55.91	25.369		
6,200.00	5,998.28	6,106.78	5,998.28	30.24	28.59	48.91	-261.66	775.24	1,418.34	1,361.69	56.66	25.034		
6,300.00	6,098.28	6,206.78	6,098.28	30.58	28.97	48.91	-261.66	775.24	1,418.34	1,360.95	57.41	24.700		
6,400.00	6,198.28	6,306.78	6,198.28	30.92	29.35	48.91	-261.66	775.24	1,418.34	1,360.21	58.16	24.366		
6,500.00	6,298.28	6,406.78	6,298.28	31.27	29.73	48.91	-261.66	775.24	1,418.34	1,359.47	58.91	24.032		
6,600.00	6,398.28	6,506.78	6,398.28	31.62	30.11	48.91	-261.66	775.24	1,418.34	1,358.73	59.66	23.698		
6,700.00	6,498.28	6,606.78	6,498.28	31.97	30.49	48.91	-261.66	775.24	1,418.34	1,357.99	60.41	23.364		
6,794.10	6,592.38	6,700.00	6,592.38	32.31	30.87	48.91	-261.66	775.24	1,418.34	1,357.25	61.16	23.030		
6,800.00	6,598.28	6,706.78	6,598.28	32.65	31.25	48.91	-261.66	775.24	1,418.34	1,356.51	61.91	22.696		
6,850.00	6,648.21	6,756.71	6,648.21	32.99	31.63	48.91	-261.66	775.24	1,418.34	1,355.77	62.66	22.362		
6,900.00	6,697.79	6,806.29	6,697.79	33.34	32.01	48.91	-261.66	775.24	1,418.34	1,355.03	63.41	22.028		
6,950.00	6,746.73	6,855.25	6,746.73	33.68	32.39	48.91	-261.66	775.24	1,418.34	1,354.29	64.16	21.694		
7,000.00	6,794.71	6,903.23	6,794.71	34.03	32.77	48.91	-261.66	775.24	1,418.34	1,353.55	64.91	21.360		
7,050.00	6,841.44	6,950.56	6,841.44	34.37	33.15	48.91	-261.66	775.24	1,418.34	1,352.81	65.66	21.026		
7,100.00	6,886.64	6,996.76	6,886.64	34.72	33.53	48.91	-261.66	775.24	1,418.34	1,352.07	66.41	20.692		
7,150.00	6,930.03	7,039.79	6,930.03	35.06	33.91	48.91	-261.66	775.24	1,418.34	1,351.33	67.16	20.358		
7,200.00	6,971.33	7,080.09	6,971.33	35.41	34.29	48.91	-261.66	775.24	1,418.34	1,350.59	67.91	20.024		
7,250.00	7,010.30	7,118.82	7,010.30	35.75	34.67	48.91	-261.66	775.24	1,418.34	1,349.85	68.66	19.690		
7,300.00	7,046.69	7,155.61	7,046.69	36.10	35.05	48.91	-261.66	775.24	1,418.34	1,349.11	69.41	19.356		
7,350.00	7,080.28	7,189.20	7,080.28	36.44	35.43	48.91	-261.66	775.24	1,418.34	1,348.37	70.16	19.022		
7,400.00	7,110.86	7,220.78	7,110.86	36.79	35.81	48.91	-261.66	775.24	1,418.34	1,347.63	70.91	18.688		
7,424.26	7,124.56	7,234.82	7,124.56	37.13	36.19	48.91	-261.66	775.24	1,418.34	1,346.89	71.66	18.354		
7,450.00	7,138.25	7,248.51	7,138.25	37.48	36.57	48.91	-261.66	775.24	1,418.34	1,346.15	72.41	18.020		
7,500.00	7,162.27	7,272.53	7,162.27	37.82	36.95	48.91	-261.66	775.24	1,418.34	1,345.41	73.16	17.686		
7,550.00	7,182.77	7,293.03	7,182.77	38.17	37.33	48.91	-261.66	775.24	1,418.34	1,344.67	73.91	17.352		
7,600.00	7,199.64	7,310.40	7,199.64	38.51	37.71	48.91	-261.66	775.24	1,418.34	1,343.93	74.66	17.018		
7,650.00	7,212.76	7,323.52	7,212.76	38.86	38.09	48.91	-261.66	775.24	1,418.34	1,343.19	75.41	16.684		
7,700.00	7,222.06	7,333.82	7,222.06	39.20	38.47	48.91	-261.66	775.24	1,418.34	1,342.45	76.16	16.350		
7,750.00	7,227.47	7,340.23	7,227.47	39.55	38.85	48.91	-261.66	775.24	1,418.34	1,341.71	76.91	16.016		
7,793.42	7,229.00	7,342.75	7,229.00	39.89	39.23	48.91	-261.66	775.24	1,418.34	1,341.00	77.66	15.682		
7,800.00	7,229.01	7,342.76	7,229.01	40.24	39.61	48.91	-261.66	775.24	1,418.34	1,340.26	78.41	15.348		
7,900.00	7,229.11	7,342.86	7,229.11	40.58	39.99	48.91	-261.66	775.24	1,418.34	1,339.52	79.16	15.014		
8,000.00	7,229.22	7,342.96	7,229.22	40.93	40.37	48.91	-261.66	775.24	1,418.34	1,338.78	79.91	14.680		
8,100.00	7,229.33	7,343.06	7,229.33	41.27	40.75	48.91	-261.66	775.24	1,418.34	1,338.04	80.66	14.346		
8,200.00	7,229.43	7,343.16	7,229.43	41.62	41.13	48.91	-261.66	775.24	1,418.34	1,337.30	81.41	14.012		
8,300.00	7,229.54	7,343.26	7,229.54	41.96	41.51	48.91	-261.66	775.24	1,418.34	1,336.56	82.16	13.678		
8,400.00	7,229.65	7,343.36	7,229.65	42.31	41.89	48.91	-261.66	775.24	1,418.34	1,335.82	82.91	13.344		
8,500.00	7,229.75	7,343.46	7,229.75	42.65	42.27	48.91	-261.66	775.24	1,418.34	1,335.08	83.66	13.010		
8,600.00	7,229.86	7,343.56	7,229.86	43.00	42.65	48.91	-261.66	775.24	1,418.34	1,334.34	84.41	12.676		
8,700.00	7,229.97	7,343.66	7,229.97	43.34	43.03	48.91	-261.66	775.24	1,418.34	1,333.60	85.16	12.342		
8,800.00	7,230.07	7,343.76	7,230.07	43.69	43.41	48.91	-261.66	775.24	1,418.34	1,332.86	85.91	12.008		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,950.00	6,829.39	56.19	31.92	-66.65	-264.06	701.26	1,254.38	1,181.66	72.71	17.252		
9,000.00	7,230.29	6,950.00	6,829.39	58.55	31.92	-66.65	-264.06	701.26	1,316.22	1,242.87	73.35	17.944		
9,100.00	7,230.39	6,920.87	6,803.35	60.94	31.79	-65.32	-263.63	714.29	1,381.76	1,308.37	73.39	18.827		
9,200.00	7,230.50	6,900.00	6,784.33	63.38	31.70	-64.36	-263.36	722.89	1,450.88	1,377.35	73.52	19.733		
9,300.00	7,230.61	6,900.00	6,784.33	65.85	31.70	-64.36	-263.36	722.89	1,523.06	1,449.12	73.94	20.600		
9,400.00	7,230.72	6,878.30	6,764.27	68.35	31.61	-63.36	-263.09	731.16	1,597.80	1,523.84	73.96	21.603		
9,500.00	7,230.82	6,866.72	6,753.46	70.87	31.56	-62.84	-262.96	735.29	1,674.98	1,600.88	74.10	22.603		
9,600.00	7,230.93	6,850.00	6,737.71	73.42	31.49	-62.08	-262.77	740.92	1,754.29	1,680.14	74.14	23.660		
9,700.00	7,231.04	6,850.00	6,737.71	75.99	31.49	-62.08	-262.77	740.92	1,835.38	1,761.00	74.37	24.678		
9,800.00	7,231.14	6,850.00	6,737.71	78.59	31.49	-62.08	-262.77	740.92	1,918.25	1,843.69	74.56	25.729		
9,900.00	7,231.25	6,829.58	6,718.29	81.19	31.40	-61.15	-262.57	747.22	2,002.30	1,927.81	74.49	26.880		
10,000.00	7,231.36	6,822.08	6,711.10	83.82	31.37	-60.81	-262.50	749.38	2,087.77	2,013.22	74.55	28.005		
10,100.00	7,231.46	6,800.00	6,689.82	86.46	31.29	-59.83	-262.31	755.23	2,174.61	2,100.16	74.45	29.209		
10,200.00	7,231.57	6,800.00	6,689.82	89.11	31.29	-59.83	-262.31	755.23	2,262.11	2,187.54	74.57	30.337		
10,300.00	7,231.68	6,800.00	6,689.82	91.77	31.29	-59.83	-262.31	755.23	2,350.61	2,275.94	74.66	31.483		
10,400.00	7,231.78	6,800.00	6,689.82	94.45	31.29	-59.83	-262.31	755.23	2,439.99	2,365.25	74.74	32.644		
10,500.00	7,231.89	6,800.00	6,689.82	97.14	31.29	-59.83	-262.31	755.23	2,530.18	2,455.36	74.81	33.820		
10,600.00	7,232.00	6,800.00	6,689.82	99.83	31.29	-59.83	-262.31	755.23	2,621.07	2,546.20	74.87	35.007		
10,700.00	7,232.10	6,800.00	6,689.82	102.53	31.29	-59.83	-262.31	755.23	2,712.61	2,637.68	74.92	36.206		
10,800.00	7,232.21	6,778.07	6,668.49	105.25	31.20	-58.86	-262.15	760.32	2,804.28	2,729.47	74.81	37.486		
10,900.00	7,232.32	6,774.01	6,664.52	107.96	31.19	-58.68	-262.12	761.18	2,896.74	2,821.92	74.83	38.714		
11,000.00	7,232.42	6,770.17	6,660.77	110.69	31.17	-58.51	-262.09	761.97	2,989.66	2,914.82	74.84	39.947		
11,100.00	7,232.53	6,750.00	6,640.95	113.42	31.09	-57.63	-261.97	765.75	3,083.25	3,008.50	74.74	41.251		
11,200.00	7,232.64	6,750.00	6,640.95	116.16	31.09	-57.63	-261.97	765.75	3,176.88	3,102.09	74.78	42.481		
11,300.00	7,232.74	6,750.00	6,640.95	118.90	31.09	-57.63	-261.97	765.75	3,270.88	3,196.06	74.82	43.717		
11,400.00	7,232.85	6,750.00	6,640.95	121.65	31.09	-57.63	-261.97	765.75	3,365.23	3,290.38	74.85	44.957		
11,500.00	7,232.96	6,750.00	6,640.95	124.41	31.09	-57.63	-261.97	765.75	3,459.90	3,385.02	74.89	46.203		
11,600.00	7,233.06	6,750.00	6,640.95	127.16	31.09	-57.63	-261.97	765.75	3,554.86	3,479.95	74.91	47.452		
11,700.00	7,233.17	6,750.00	6,640.95	129.92	31.09	-57.63	-261.97	765.75	3,650.09	3,575.15	74.94	48.705		
11,800.00	7,233.28	6,750.00	6,640.95	132.69	31.09	-57.63	-261.97	765.75	3,745.57	3,670.60	74.97	49.961		
11,900.00	7,233.38	6,750.00	6,640.95	135.46	31.09	-57.63	-261.97	765.75	3,841.28	3,766.28	75.00	51.219		
12,000.00	7,233.49	6,750.00	6,640.95	138.23	31.09	-57.63	-261.97	765.75	3,937.20	3,862.18	75.02	52.480		
12,100.00	7,233.60	6,750.00	6,640.95	141.01	31.09	-57.63	-261.97	765.75	4,033.32	3,958.27	75.05	53.743		
12,200.00	7,233.71	6,750.00	6,640.95	143.79	31.09	-57.63	-261.97	765.75	4,129.63	4,054.55	75.07	55.007		
12,300.00	7,233.81	6,750.00	6,640.95	146.57	31.09	-57.63	-261.97	765.75	4,226.10	4,151.00	75.10	56.273		
12,400.00	7,233.92	6,750.00	6,640.95	149.35	31.09	-57.63	-261.97	765.75	4,322.74	4,247.61	75.13	57.540		
12,500.00	7,234.03	6,750.00	6,640.95	152.14	31.09	-57.63	-261.97	765.75	4,419.52	4,344.37	75.15	58.807		
12,600.00	7,234.13	6,750.00	6,640.95	154.93	31.09	-57.63	-261.97	765.75	4,516.45	4,441.27	75.18	60.076		
12,700.00	7,234.24	6,727.50	6,618.72	157.72	31.01	-56.67	-261.86	769.23	4,613.06	4,537.96	75.11	61.418		
12,800.00	7,234.35	6,725.84	6,617.08	160.52	31.00	-56.60	-261.85	769.46	4,710.18	4,635.05	75.13	62.692		
12,900.00	7,234.45	6,724.24	6,615.50	163.31	30.99	-56.53	-261.84	769.67	4,807.41	4,732.25	75.16	63.966		
13,000.00	7,234.56	6,722.71	6,613.98	166.11	30.99	-56.46	-261.84	769.87	4,904.74	4,829.56	75.18	65.240		
13,100.00	7,234.67	6,700.00	6,591.41	168.91	30.90	-55.51	-261.76	772.41	5,002.57	4,927.45	75.12	66.597		
13,200.00	7,234.77	6,700.00	6,591.41	171.71	30.90	-55.51	-261.76	772.41	5,100.05	5,024.90	75.15	67.863		
13,300.00	7,234.88	6,700.00	6,591.41	174.52	30.90	-55.51	-261.76	772.41	5,197.62	5,122.44	75.19	69.129		
13,400.00	7,234.99	6,700.00	6,591.41	177.32	30.90	-55.51	-261.76	772.41	5,295.29	5,220.07	75.22	70.394		
13,500.00	7,235.09	6,700.00	6,591.41	180.13	30.90	-55.51	-261.76	772.41	5,393.04	5,317.78	75.26	71.659		
13,600.00	7,235.20	6,700.00	6,591.41	182.94	30.90	-55.51	-261.76	772.41	5,490.88	5,415.58	75.30	72.923		
13,700.00	7,235.31	6,700.00	6,591.41	185.74	30.90	-55.51	-261.76	772.41	5,588.79	5,513.45	75.34	74.186		
13,800.00	7,235.41	6,700.00	6,591.41	188.56	30.90	-55.51	-261.76	772.41	5,686.77	5,611.39	75.37	75.447		
13,900.00	7,235.52	6,700.00	6,591.41	191.37	30.90	-55.51	-261.76	772.41	5,784.82	5,709.41	75.41	76.708		
14,000.00	7,235.63	6,700.00	6,591.41	194.18	30.90	-55.51	-261.76	772.41	5,882.94	5,807.48	75.45	77.967		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,700.00	6,591.41	197.00	30.90	-55.51	-261.76	772.41	5,981.12	5,905.62	75.50	79.225		
14,200.00	7,235.84	6,700.00	6,591.41	199.81	30.90	-55.51	-261.76	772.41	6,079.36	6,003.82	75.54	80.481		
14,300.00	7,235.95	6,700.00	6,591.41	202.63	30.90	-55.51	-261.76	772.41	6,177.65	6,102.07	75.58	81.736		
14,400.00	7,236.05	6,700.00	6,591.41	205.44	30.90	-55.51	-261.76	772.41	6,276.00	6,200.37	75.62	82.989		
14,500.00	7,236.16	6,700.00	6,591.41	208.26	30.90	-55.51	-261.76	772.41	6,374.40	6,298.73	75.67	84.240		
14,600.00	7,236.27	6,700.00	6,591.41	211.08	30.90	-55.51	-261.76	772.41	6,472.85	6,397.13	75.72	85.489		
14,700.00	7,236.37	6,700.00	6,591.41	213.90	30.90	-55.51	-261.76	772.41	6,571.35	6,495.58	75.76	86.737		
14,800.00	7,236.48	6,700.00	6,591.41	216.72	30.90	-55.51	-261.76	772.41	6,669.89	6,594.08	75.81	87.982		
14,900.00	7,236.59	6,700.00	6,591.41	219.55	30.90	-55.51	-261.76	772.41	6,768.47	6,692.61	75.86	89.226		
15,000.00	7,236.69	6,700.00	6,591.41	222.37	30.90	-55.51	-261.76	772.41	6,867.10	6,791.19	75.91	90.467		
15,100.00	7,236.80	6,700.00	6,591.41	225.19	30.90	-55.51	-261.76	772.41	6,965.76	6,889.80	75.96	91.707		
15,200.00	7,236.91	6,700.00	6,591.41	228.02	30.90	-55.51	-261.76	772.41	7,064.46	6,988.45	76.01	92.944		
15,300.00	7,237.02	6,700.00	6,591.41	230.84	30.90	-55.51	-261.76	772.41	7,163.20	7,087.14	76.06	94.179		
15,400.00	7,237.12	6,700.00	6,591.41	233.67	30.90	-55.51	-261.76	772.41	7,261.97	7,185.86	76.11	95.411		
15,500.00	7,237.23	6,700.00	6,591.41	236.50	30.90	-55.51	-261.76	772.41	7,360.78	7,284.61	76.17	96.641		
15,600.00	7,237.34	6,700.00	6,591.41	239.32	30.90	-55.51	-261.76	772.41	7,459.61	7,383.39	76.22	97.869		
15,700.00	7,237.44	6,700.00	6,591.41	242.15	30.90	-55.51	-261.76	772.41	7,558.48	7,482.21	76.28	99.094		
15,800.00	7,237.55	6,700.00	6,591.41	244.98	30.90	-55.51	-261.76	772.41	7,657.38	7,581.05	76.33	100.317		
15,900.00	7,237.66	6,700.00	6,591.41	247.81	30.90	-55.51	-261.76	772.41	7,756.31	7,679.92	76.39	101.537		
16,000.00	7,237.76	6,700.00	6,591.41	250.64	30.90	-55.51	-261.76	772.41	7,855.26	7,778.81	76.45	102.754		
16,100.00	7,237.87	6,700.00	6,591.41	253.47	30.90	-55.51	-261.76	772.41	7,954.24	7,877.73	76.51	103.969		
16,200.00	7,237.98	6,700.00	6,591.41	256.30	30.90	-55.51	-261.76	772.41	8,053.24	7,976.68	76.57	105.181		
16,300.00	7,238.08	6,700.00	6,591.41	259.13	30.90	-55.51	-261.76	772.41	8,152.27	8,075.64	76.63	106.390		
16,400.00	7,238.19	6,700.00	6,591.41	261.96	30.90	-55.51	-261.76	772.41	8,251.32	8,174.63	76.69	107.597		
16,500.00	7,238.30	6,700.00	6,591.41	264.79	30.90	-55.51	-261.76	772.41	8,350.40	8,273.65	76.75	108.800		
16,600.00	7,238.40	6,700.00	6,591.41	267.63	30.90	-55.51	-261.76	772.41	8,449.49	8,372.68	76.81	110.001		
16,700.00	7,238.51	6,700.00	6,591.41	270.46	30.90	-55.51	-261.76	772.41	8,548.61	8,471.73	76.88	111.199		
16,800.00	7,238.62	6,700.00	6,591.41	273.29	30.90	-55.51	-261.76	772.41	8,647.75	8,570.81	76.94	112.394		
16,900.00	7,238.72	6,700.00	6,591.41	276.13	30.90	-55.51	-261.76	772.41	8,746.90	8,669.90	77.01	113.586		
17,000.00	7,238.83	6,700.00	6,591.41	278.96	30.90	-55.51	-261.76	772.41	8,846.08	8,769.01	77.07	114.775		
17,100.00	7,238.94	6,700.00	6,591.41	281.80	30.90	-55.51	-261.76	772.41	8,945.28	8,868.14	77.14	115.961		
17,200.00	7,239.04	6,700.00	6,591.41	284.63	30.90	-55.51	-261.76	772.41	9,044.49	8,967.28	77.21	117.144		
17,300.00	7,239.15	6,700.00	6,591.41	287.47	30.90	-55.51	-261.76	772.41	9,143.72	9,066.44	77.28	118.324		
17,400.00	7,239.26	6,700.00	6,591.41	290.30	30.90	-55.51	-261.76	772.41	9,242.96	9,165.62	77.35	119.501		
17,500.00	7,239.36	6,700.00	6,591.41	293.14	30.90	-55.51	-261.76	772.41	9,342.23	9,264.81	77.42	120.675		
17,600.00	7,239.47	6,700.00	6,591.41	295.98	30.90	-55.51	-261.76	772.41	9,441.50	9,364.02	77.49	121.845		
17,700.00	7,239.58	6,700.00	6,591.41	298.81	30.90	-55.51	-261.76	772.41	9,540.80	9,463.24	77.56	123.012		
17,800.00	7,239.68	6,700.00	6,591.41	301.65	30.90	-55.51	-261.76	772.41	9,640.10	9,562.47	77.63	124.177		
17,900.00	7,239.79	6,700.00	6,591.41	304.49	30.90	-55.51	-261.76	772.41	9,739.43	9,661.72	77.71	125.337		
18,000.00	7,239.90	6,700.00	6,591.41	307.33	30.90	-55.51	-261.76	772.41	9,838.76	9,760.98	77.78	126.495		
18,095.23	7,240.00	6,700.00	6,591.41	310.03	30.90	-55.51	-261.76	772.41	9,933.37	9,855.52	77.85	127.595		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.50	89.62	8.63	90.04					
100.00	100.00	100.00	100.00	3.28	3.28	5.50	89.62	8.63	90.04	83.47	6.57	13.705		
200.00	200.00	200.00	200.00	3.34	3.34	5.50	89.62	8.63	90.04	83.36	6.67	13.491 CC, ES		
300.00	299.98	300.13	300.11	3.44	3.44	172.92	89.35	10.36	91.68	84.80	6.88	13.321 SF		
400.00	399.84	399.86	399.69	3.59	3.60	176.38	88.53	15.51	96.84	89.66	7.19	13.472		
500.00	499.45	498.80	498.26	3.79	3.80	-178.65	87.19	24.01	106.13	98.54	7.59	13.982		
600.00	598.70	596.69	595.43	4.03	4.04	-173.09	85.34	35.69	120.17	112.09	8.08	14.876		
700.00	697.47	705.61	692.25	4.31	4.35	-168.41	83.29	48.60	138.82	130.15	8.67	16.016		
800.00	795.62	808.55	788.44	4.64	4.67	-165.11	81.26	61.43	161.44	152.14	9.30	17.357		
900.00	893.06	887.75	883.87	5.00	4.94	-162.87	79.24	74.16	187.66	177.76	9.90	18.952		
1,000.00	989.64	983.18	978.44	5.40	5.28	-161.41	77.25	86.77	217.23	206.63	10.60	20.502		
1,100.00	1,085.27	1,077.62	1,072.03	5.83	5.63	-160.50	75.27	99.25	249.99	238.67	11.32	22.085		
1,200.00	1,179.82	1,170.95	1,164.52	6.29	5.98	-159.96	73.32	111.59	285.87	273.80	12.07	23.685		
1,235.00	1,212.63	1,203.33	1,196.62	6.46	6.11	-159.84	72.64	115.87	299.15	286.81	12.34	24.238		
1,300.00	1,273.43	1,263.33	1,256.07	6.79	6.35	-159.83	71.38	123.79	324.15	311.31	12.84	25.247		
1,400.00	1,366.98	1,355.64	1,347.55	7.30	6.72	-159.82	69.45	135.99	362.62	349.00	13.62	26.626		
1,500.00	1,460.52	1,447.94	1,439.02	7.84	7.10	-159.81	67.52	148.19	401.09	386.67	14.42	27.819		
1,600.00	1,554.07	1,540.25	1,530.50	8.38	7.48	-159.80	65.58	160.39	439.55	424.32	15.23	28.856		
1,700.00	1,647.61	1,632.55	1,621.97	8.93	7.87	-159.80	63.65	172.59	478.02	461.96	16.06	29.762		
1,800.00	1,741.16	1,724.86	1,713.45	9.49	8.27	-159.79	61.72	184.79	516.49	499.59	16.90	30.559		
1,900.00	1,834.70	1,817.16	1,804.92	10.06	8.66	-159.79	59.79	196.99	554.95	537.20	17.75	31.262		
2,000.00	1,928.25	1,909.47	1,896.40	10.63	9.06	-159.78	57.86	209.19	593.42	574.81	18.61	31.886		
2,100.00	2,021.79	2,001.77	1,987.87	11.21	9.47	-159.78	55.92	221.39	631.89	612.41	19.48	32.443		
2,200.00	2,115.33	2,105.92	2,079.35	11.79	9.92	-159.77	53.99	233.59	670.36	649.96	20.40	32.858		
2,300.00	2,208.88	2,186.38	2,170.82	12.37	10.28	-159.77	52.06	245.79	708.82	687.60	21.23	33.391		
2,400.00	2,302.42	2,278.69	2,262.30	12.96	10.69	-159.77	50.13	257.99	747.29	725.18	22.11	33.797		
2,500.00	2,395.97	2,370.99	2,353.77	13.55	11.10	-159.77	48.19	270.19	785.76	762.76	23.00	34.165		
2,600.00	2,489.51	2,463.30	2,445.25	14.14	11.51	-159.76	46.26	282.39	824.23	800.34	23.89	34.500		
2,700.00	2,583.06	2,555.60	2,536.72	14.74	11.93	-159.76	44.33	294.59	862.69	837.91	24.79	34.806		
2,800.00	2,676.60	2,647.91	2,628.20	15.34	12.34	-159.76	42.40	306.79	901.16	875.48	25.68	35.086		
2,900.00	2,770.14	2,740.21	2,719.67	15.93	12.76	-159.76	40.47	318.99	939.63	913.04	26.59	35.344		
3,000.00	2,863.69	2,832.52	2,811.15	16.53	13.18	-159.76	38.53	331.19	978.10	950.61	27.49	35.582		
3,100.00	2,957.23	2,924.82	2,902.62	17.13	13.60	-159.76	36.60	343.39	1,016.56	988.17	28.39	35.801		
3,200.00	3,050.78	3,017.13	2,994.10	17.74	14.01	-159.75	34.67	355.59	1,055.03	1,025.73	29.30	36.005		
3,300.00	3,144.32	3,109.44	3,085.57	18.34	14.43	-159.75	32.74	367.79	1,093.50	1,063.29	30.21	36.194		
3,400.00	3,237.87	3,201.74	3,177.05	18.94	14.85	-159.75	30.80	379.99	1,131.97	1,100.84	31.12	36.369		
3,500.00	3,331.41	3,305.95	3,268.52	19.55	15.33	-159.75	28.87	392.19	1,170.43	1,138.34	32.09	36.472		
3,600.00	3,424.96	3,386.35	3,360.00	20.15	15.70	-159.75	26.94	404.39	1,208.90	1,175.95	32.95	36.687		
3,666.72	3,487.37	3,447.94	3,421.03	20.56	15.98	-159.75	25.65	412.52	1,234.56	1,201.00	33.56	36.784		
3,700.00	3,518.57	3,478.73	3,451.54	20.76	16.12	-159.84	25.01	416.59	1,247.20	1,213.33	33.87	36.827		
3,800.00	3,613.09	3,572.04	3,544.01	21.34	16.55	-160.05	23.05	428.93	1,283.13	1,248.35	34.78	36.893		
3,900.00	3,708.70	3,666.45	3,637.58	21.90	16.98	-160.19	21.08	441.41	1,315.99	1,280.30	35.69	36.873		
4,000.00	3,805.27	3,761.87	3,732.14	22.44	17.42	-160.25	19.08	454.02	1,345.73	1,309.13	36.60	36.771		
4,100.00	3,902.69	3,858.15	3,827.56	22.95	17.86	-160.24	17.06	466.74	1,372.33	1,334.83	37.50	36.596		
4,200.00	4,000.84	3,955.20	3,923.74	23.43	18.31	-160.17	15.03	479.57	1,395.77	1,357.37	38.39	36.353		
4,300.00	4,099.59	4,052.89	4,020.55	23.89	18.76	-160.03	12.99	492.48	1,416.03	1,376.75	39.28	36.048		
4,400.00	4,198.84	4,151.10	4,117.87	24.32	19.21	-159.83	10.93	505.46	1,433.11	1,392.95	40.16	35.686		
4,500.00	4,298.45	4,249.72	4,215.60	24.73	19.67	-159.57	8.87	518.49	1,447.00	1,405.97	41.03	35.271		
4,600.00	4,398.30	4,348.62	4,313.61	25.11	20.12	-159.24	6.80	531.56	1,457.71	1,415.83	41.88	34.801		
4,701.72	4,500.00	4,449.38	4,413.47	25.45	20.59	34.98	4.69	544.88	1,465.35	1,422.63	42.72	34.305		
4,800.00	4,598.28	4,546.78	4,509.99	25.74	21.04	35.44	2.65	557.75	1,471.20	1,427.70	43.50	33.820		
4,900.00	4,698.28	4,645.88	4,608.20	26.04	21.49	35.90	0.57	570.85	1,477.25	1,432.95	44.30	33.345		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,744.98	4,706.41	26.34	21.95	36.36	-1.50	583.95	1,483.39	1,438.29	45.11	32.886		
5,100.00	4,898.28	4,844.08	4,804.62	26.65	22.41	36.81	-3.57	597.05	1,489.64	1,443.72	45.92	32.443		
5,200.00	4,998.28	4,943.18	4,902.83	26.96	22.87	37.26	-5.65	610.14	1,495.97	1,449.24	46.73	32.015		
5,300.00	5,098.28	5,042.28	5,001.03	27.27	23.33	37.71	-7.72	623.24	1,502.40	1,454.86	47.54	31.602		
5,400.00	5,198.28	5,141.38	5,099.24	27.59	23.79	38.15	-9.80	636.34	1,508.91	1,460.56	48.36	31.204		
5,500.00	5,298.28	5,240.48	5,197.45	27.91	24.25	38.59	-11.87	649.44	1,515.52	1,466.35	49.18	30.818		
5,600.00	5,398.28	5,339.58	5,295.66	28.23	24.71	39.03	-13.95	662.54	1,522.22	1,472.22	50.00	30.446		
5,700.00	5,498.28	5,438.68	5,393.87	28.56	25.17	39.46	-16.02	675.63	1,529.00	1,478.18	50.82	30.086		
5,800.00	5,598.28	5,537.78	5,492.08	28.89	25.63	39.88	-18.10	688.73	1,535.88	1,484.23	51.65	29.738		
5,900.00	5,698.28	5,636.88	5,590.29	29.22	26.09	40.31	-20.17	701.83	1,542.83	1,490.36	52.47	29.402		
6,000.00	5,798.28	5,735.98	5,688.50	29.56	26.55	40.73	-22.24	714.93	1,549.87	1,496.57	53.30	29.076		
6,100.00	5,898.28	5,835.09	5,787.43	29.90	27.01	41.15	-24.31	728.03	1,556.91	1,502.81	54.12	28.750		
6,200.00	5,998.28	5,934.41	5,885.45	30.24	27.47	41.57	-26.38	741.13	1,564.00	1,509.00	54.94	28.424		
6,300.00	6,098.28	5,994.72	5,944.46	30.58	27.93	42.00	-28.45	754.23	1,571.14	1,515.14	55.76	28.098		
6,400.00	6,198.28	6,034.04	5,983.48	30.92	28.39	42.42	-30.52	767.33	1,578.28	1,521.28	56.58	27.772		
6,500.00	6,298.28	6,069.35	5,998.50	31.27	28.85	42.84	-32.59	780.43	1,585.42	1,527.42	57.40	27.446		
6,600.00	6,398.28	6,099.67	6,027.52	31.62	29.31	43.26	-34.66	793.53	1,592.56	1,533.56	58.22	27.120		
6,700.00	6,498.28	6,129.99	6,055.53	31.97	29.77	43.68	-36.73	806.63	1,599.70	1,539.70	59.04	26.794		
6,794.10	6,592.38	6,159.78	6,082.55	32.31	30.23	44.10	-38.80	819.73	1,606.84	1,545.84	59.86	26.468		
6,800.00	6,598.28	6,165.55	6,088.55	32.33	30.25	44.12	-38.82	820.13	1,607.24	1,546.24	59.88	26.468		
6,850.00	6,648.21	6,184.60	6,095.59	32.51	30.43	44.30	-39.56	826.13	1,611.24	1,550.24	60.12	26.325		
6,900.00	6,697.79	6,177.62	6,096.68	32.69	30.61	44.48	-40.30	832.13	1,615.24	1,554.24	60.36	26.182		
6,950.00	6,746.73	6,166.77	6,095.83	32.86	30.79	44.66	-41.04	838.13	1,619.24	1,558.24	60.60	26.039		
7,000.00	6,794.71	6,155.14	6,096.02	33.03	30.97	44.84	-41.78	844.13	1,623.24	1,562.24	60.84	25.896		
7,050.00	6,841.44	6,143.80	6,096.26	33.20	31.15	45.02	-42.52	850.13	1,627.24	1,566.24	61.08	25.753		
7,100.00	6,886.64	6,131.87	6,096.55	33.35	31.33	45.20	-43.26	856.13	1,631.24	1,570.24	61.32	25.610		
7,150.00	6,930.03	6,119.49	6,096.88	33.50	31.51	45.38	-44.00	862.13	1,635.24	1,574.24	61.56	25.467		
7,164.94	6,942.60	6,117.26	6,096.99	33.54	31.55	45.42	-44.14	863.13	1,635.64	1,574.64	61.60	25.467		
7,200.00	6,971.33	6,105.81	6,097.26	33.64	31.69	45.52	-44.44	868.13	1,639.24	1,578.24	61.84	25.324		
7,250.00	7,010.30	6,094.02	6,097.68	33.77	31.83	45.62	-44.74	873.13	1,643.24	1,582.24	62.08	25.181		
7,300.00	7,046.69	6,082.13	6,098.13	33.89	31.97	45.72	-45.04	878.13	1,647.24	1,586.24	62.32	25.038		
7,350.00	7,080.28	6,069.84	6,098.63	34.00	32.11	45.82	-45.34	883.13	1,651.24	1,590.24	62.56	24.895		
7,400.00	7,110.86	6,057.93	6,099.15	34.11	32.25	45.92	-45.64	888.13	1,655.24	1,594.24	62.80	24.752		
7,450.00	7,138.25	6,045.77	6,099.70	34.21	32.39	46.02	-45.94	893.13	1,659.24	1,598.24	63.04	24.609		
7,500.00	7,162.27	6,033.65	6,097.28	34.32	32.53	46.12	-46.24	898.13	1,663.24	1,602.24	63.28	24.466		
7,550.00	7,182.77	6,021.82	6,097.89	34.43	32.67	46.22	-46.54	903.13	1,667.24	1,606.24	63.52	24.323		
7,600.00	7,199.64	6,010.57	6,097.11	34.57	32.81	46.32	-46.84	908.13	1,671.24	1,610.24	63.76	24.180		
7,650.00	7,212.76	6,000.38	6,097.06	34.76	32.95	46.42	-47.14	913.13	1,675.24	1,614.24	64.00	24.037		
7,700.00	7,222.06	6,000.27	6,097.19	35.02	33.09	46.52	-47.44	918.13	1,679.24	1,618.24	64.24	23.894		
7,750.00	7,227.47	6,000.36	6,098.52	35.37	33.23	46.62	-47.74	923.13	1,683.24	1,622.24	64.48	23.751		
7,793.42	7,229.00	6,000.05	6,094.77	35.74	33.37	46.72	-48.04	928.13	1,687.24	1,626.24	64.72	23.608		
7,800.00	7,229.01	6,000.62	6,094.08	35.80	33.43	46.76	-48.08	929.13	1,687.64	1,626.64	64.76	23.608		
7,900.00	7,229.11	6,000.77	6,095.35	36.91	33.99	47.06	-48.46	934.13	1,691.24	1,630.24	65.00	23.465		
8,000.00	7,229.22	6,000.93	6,091.28	38.28	33.40	47.17	-46.78	934.13	1,691.24	1,630.24	65.00	23.465		
8,100.00	7,229.33	6,000.81	6,097.81	39.83	32.90	47.09	-46.16	934.13	1,691.24	1,630.24	65.00	23.465		
8,200.00	7,229.43	6,000.00	6,084.18	41.53	32.52	47.01	-46.93	934.13	1,691.24	1,630.24	65.00	23.465		
8,300.00	7,229.54	6,000.00	6,057.18	43.36	32.19	47.10	-49.68	934.13	1,691.24	1,630.24	65.00	23.465		
8,400.00	7,229.65	6,000.00	6,026.95	45.30	31.88	47.06	-57.43	934.13	1,691.24	1,630.24	65.00	23.465		
8,500.00	7,229.75	6,016.16	6,004.77	47.33	31.70	46.99	-55.91	934.13	1,691.24	1,630.24	65.00	23.465		
8,600.00	7,229.86	6,000.76	6,080.14	49.45	31.51	46.84	-54.33	934.13	1,691.24	1,630.24	65.00	23.465		
8,700.00	7,229.97	6,000.00	6,057.62	51.64	31.36	46.78	-52.98	934.13	1,691.24	1,630.24	65.00	23.465		
8,800.00	7,230.07	6,000.46	6,035.07	53.89	31.22	46.54	-51.69	934.13	1,691.24	1,630.24	65.00	23.465		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,800.00	6,718.94	56.19	31.13	-65.88	-50.81	667.72	1,471.42	1,397.91	73.51	20.016		
9,000.00	7,230.29	6,771.65	6,695.95	58.55	31.01	-64.95	-49.60	684.25	1,525.97	1,451.93	74.04	20.610		
9,100.00	7,230.39	6,750.00	6,677.90	60.94	30.91	-64.22	-48.69	696.18	1,584.20	1,509.62	74.59	21.239		
9,200.00	7,230.50	6,731.77	6,662.40	63.38	30.84	-63.61	-47.94	705.74	1,645.80	1,570.69	75.11	21.913		
9,300.00	7,230.61	6,700.00	6,634.75	65.85	30.71	-62.53	-46.64	721.32	1,710.67	1,635.30	75.37	22.697		
9,400.00	7,230.72	6,700.00	6,634.75	68.35	30.71	-62.53	-46.64	721.32	1,777.99	1,702.00	76.00	23.395		
9,500.00	7,230.82	6,700.00	6,634.75	70.87	30.71	-62.53	-46.64	721.32	1,848.28	1,771.75	76.54	24.149		
9,600.00	7,230.93	6,671.25	6,609.09	73.42	30.60	-61.55	-45.50	734.22	1,920.47	1,843.79	76.68	25.044		
9,700.00	7,231.04	6,650.00	6,589.76	75.99	30.52	-60.83	-44.67	743.01	1,995.07	1,918.19	76.88	25.951		
9,800.00	7,231.14	6,650.00	6,589.76	78.59	30.52	-60.83	-44.67	743.01	2,071.44	1,994.17	77.26	26.811		
9,900.00	7,231.25	6,650.00	6,589.76	81.19	30.52	-60.83	-44.67	743.01	2,149.74	2,072.15	77.59	27.707		
10,000.00	7,231.36	6,628.05	6,569.49	83.82	30.43	-60.08	-43.84	751.40	2,229.36	2,151.68	77.67	28.701		
10,100.00	7,231.46	6,619.16	6,561.20	86.46	30.40	-59.77	-43.50	754.60	2,310.54	2,232.68	77.85	29.677		
10,200.00	7,231.57	6,600.00	6,543.19	89.11	30.33	-59.12	-42.79	761.10	2,393.12	2,315.20	77.92	30.712		
10,300.00	7,231.68	6,600.00	6,543.19	91.77	30.33	-59.12	-42.79	761.10	2,476.68	2,398.55	78.13	31.699		
10,400.00	7,231.78	6,600.00	6,543.19	94.45	30.33	-59.12	-42.79	761.10	2,561.43	2,483.11	78.31	32.707		
10,500.00	7,231.89	6,600.00	6,543.19	97.14	30.33	-59.12	-42.79	761.10	2,647.23	2,568.76	78.47	33.735		
10,600.00	7,232.00	6,600.00	6,543.19	99.83	30.33	-59.12	-42.79	761.10	2,734.00	2,655.40	78.61	34.780		
10,700.00	7,232.10	6,576.85	6,521.19	102.53	30.24	-58.34	-41.96	768.22	2,821.18	2,742.60	78.58	35.903		
10,800.00	7,232.21	6,571.23	6,515.81	105.25	30.22	-58.15	-41.76	769.83	2,909.36	2,830.71	78.66	36.988		
10,900.00	7,232.32	6,550.00	6,495.35	107.96	30.14	-57.43	-41.02	775.47	2,998.47	2,919.84	78.63	38.136		
11,000.00	7,232.42	6,550.00	6,495.35	110.69	30.14	-57.43	-41.02	775.47	3,087.86	3,009.13	78.72	39.223		
11,100.00	7,232.53	6,550.00	6,495.35	113.42	30.14	-57.43	-41.02	775.47	3,177.88	3,099.07	78.81	40.322		
11,200.00	7,232.64	6,550.00	6,495.35	116.16	30.14	-57.43	-41.02	775.47	3,268.49	3,189.60	78.89	41.431		
11,300.00	7,232.74	6,550.00	6,495.35	118.90	30.14	-57.43	-41.02	775.47	3,359.63	3,280.67	78.96	42.549		
11,400.00	7,232.85	6,550.00	6,495.35	121.65	30.14	-57.43	-41.02	775.47	3,451.25	3,372.23	79.02	43.674		
11,500.00	7,232.96	6,550.00	6,495.35	124.41	30.14	-57.43	-41.02	775.47	3,543.34	3,464.26	79.08	44.807		
11,600.00	7,233.06	6,550.00	6,495.35	127.16	30.14	-57.43	-41.02	775.47	3,635.84	3,556.70	79.13	45.947		
11,700.00	7,233.17	6,550.00	6,495.35	129.92	30.14	-57.43	-41.02	775.47	3,728.72	3,649.54	79.18	47.093		
11,800.00	7,233.28	6,529.09	6,475.03	132.69	30.06	-56.74	-40.31	780.37	3,821.59	3,742.46	79.13	48.295		
11,900.00	7,233.38	6,525.91	6,471.93	135.46	30.05	-56.63	-40.20	781.05	3,915.04	3,835.88	79.16	49.457		
12,000.00	7,233.49	6,522.87	6,468.96	138.23	30.04	-56.53	-40.10	781.69	4,008.80	3,929.61	79.19	50.623		
12,100.00	7,233.60	6,500.00	6,446.53	141.01	29.96	-55.77	-39.36	786.06	4,103.18	4,024.05	79.13	51.852		
12,200.00	7,233.71	6,500.00	6,446.53	143.79	29.96	-55.77	-39.36	786.06	4,197.38	4,118.21	79.17	53.015		
12,300.00	7,233.81	6,500.00	6,446.53	146.57	29.96	-55.77	-39.36	786.06	4,291.85	4,212.64	79.21	54.181		
12,400.00	7,233.92	6,500.00	6,446.53	149.35	29.96	-55.77	-39.36	786.06	4,386.57	4,307.32	79.25	55.350		
12,500.00	7,234.03	6,500.00	6,446.53	152.14	29.96	-55.77	-39.36	786.06	4,481.51	4,402.22	79.29	56.522		
12,600.00	7,234.13	6,500.00	6,446.53	154.93	29.96	-55.77	-39.36	786.06	4,576.67	4,497.35	79.32	57.697		
12,700.00	7,234.24	6,500.00	6,446.53	157.72	29.96	-55.77	-39.36	786.06	4,672.03	4,592.67	79.36	58.874		
12,800.00	7,234.35	6,500.00	6,446.53	160.52	29.96	-55.77	-39.36	786.06	4,767.58	4,688.19	79.39	60.053		
12,900.00	7,234.45	6,500.00	6,446.53	163.31	29.96	-55.77	-39.36	786.06	4,863.31	4,783.89	79.42	61.233		
13,000.00	7,234.56	6,500.00	6,446.53	166.11	29.96	-55.77	-39.36	786.06	4,959.21	4,879.75	79.46	62.415		
13,100.00	7,234.67	6,500.00	6,446.53	168.91	29.96	-55.77	-39.36	786.06	5,055.27	4,975.78	79.49	63.598		
13,200.00	7,234.77	6,500.00	6,446.53	171.71	29.96	-55.77	-39.36	786.06	5,151.47	5,071.95	79.52	64.782		
13,300.00	7,234.88	6,500.00	6,446.53	174.52	29.96	-55.77	-39.36	786.06	5,247.82	5,168.27	79.55	65.967		
13,400.00	7,234.99	6,500.00	6,446.53	177.32	29.96	-55.77	-39.36	786.06	5,344.31	5,264.72	79.58	67.152		
13,500.00	7,235.09	6,500.00	6,446.53	180.13	29.96	-55.77	-39.36	786.06	5,440.92	5,361.30	79.62	68.338		
13,600.00	7,235.20	6,500.00	6,446.53	182.94	29.96	-55.77	-39.36	786.06	5,537.65	5,458.00	79.65	69.525		
13,700.00	7,235.31	6,500.00	6,446.53	185.74	29.96	-55.77	-39.36	786.06	5,634.49	5,554.81	79.68	70.711		
13,800.00	7,235.41	6,500.00	6,446.53	188.56	29.96	-55.77	-39.36	786.06	5,731.45	5,651.73	79.72	71.898		
13,900.00	7,235.52	6,500.00	6,446.53	191.37	29.96	-55.77	-39.36	786.06	5,828.50	5,748.75	79.75	73.084		
14,000.00	7,235.63	6,500.00	6,446.53	194.18	29.96	-55.77	-39.36	786.06	5,925.66	5,845.87	79.79	74.270		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,500.00	6,446.53	197.00	29.96	-55.77	-39.36	786.06	6,022.91	5,943.09	79.82	75.456		
14,200.00	7,235.84	6,500.00	6,446.53	199.81	29.96	-55.77	-39.36	786.06	6,120.24	6,040.39	79.86	76.641		
14,300.00	7,235.95	6,477.56	6,424.37	202.63	29.88	-55.04	-38.65	789.55	6,217.23	6,137.40	79.83	77.879		
14,400.00	7,236.05	6,476.27	6,423.10	205.44	29.87	-55.00	-38.61	789.73	6,314.69	6,234.82	79.87	79.065		
14,500.00	7,236.16	6,475.02	6,421.86	208.26	29.87	-54.96	-38.58	789.90	6,412.21	6,332.31	79.90	80.251		
14,600.00	7,236.27	6,473.81	6,420.66	211.08	29.86	-54.92	-38.54	790.06	6,509.81	6,429.88	79.94	81.436		
14,700.00	7,236.37	6,472.63	6,419.49	213.90	29.86	-54.88	-38.50	790.21	6,607.48	6,527.51	79.97	82.620		
14,800.00	7,236.48	6,450.00	6,397.02	216.72	29.78	-54.16	-37.82	792.77	6,705.61	6,625.65	79.96	83.866		
14,900.00	7,236.59	6,450.00	6,397.02	219.55	29.78	-54.16	-37.82	792.77	6,803.37	6,723.37	80.00	85.044		
15,000.00	7,236.69	6,450.00	6,397.02	222.37	29.78	-54.16	-37.82	792.77	6,901.19	6,821.15	80.04	86.221		
15,100.00	7,236.80	6,450.00	6,397.02	225.19	29.78	-54.16	-37.82	792.77	6,999.08	6,918.99	80.08	87.396		
15,200.00	7,236.91	6,450.00	6,397.02	228.02	29.78	-54.16	-37.82	792.77	7,097.02	7,016.89	80.13	88.570		
15,300.00	7,237.02	6,450.00	6,397.02	230.84	29.78	-54.16	-37.82	792.77	7,195.02	7,114.85	80.17	89.743		
15,400.00	7,237.12	6,450.00	6,397.02	233.67	29.78	-54.16	-37.82	792.77	7,293.08	7,212.86	80.22	90.914		
15,500.00	7,237.23	6,450.00	6,397.02	236.50	29.78	-54.16	-37.82	792.77	7,391.18	7,310.92	80.27	92.084		
15,600.00	7,237.34	6,450.00	6,397.02	239.32	29.78	-54.16	-37.82	792.77	7,489.34	7,409.03	80.31	93.252		
15,700.00	7,237.44	6,450.00	6,397.02	242.15	29.78	-54.16	-37.82	792.77	7,587.55	7,507.19	80.36	94.419		
15,800.00	7,237.55	6,450.00	6,397.02	244.98	29.78	-54.16	-37.82	792.77	7,685.80	7,605.39	80.41	95.584		
15,900.00	7,237.66	6,450.00	6,397.02	247.81	29.78	-54.16	-37.82	792.77	7,784.09	7,703.64	80.46	96.747		
16,000.00	7,237.76	6,450.00	6,397.02	250.64	29.78	-54.16	-37.82	792.77	7,882.43	7,801.93	80.51	97.909		
16,100.00	7,237.87	6,450.00	6,397.02	253.47	29.78	-54.16	-37.82	792.77	7,980.81	7,900.25	80.56	99.068		
16,200.00	7,237.98	6,450.00	6,397.02	256.30	29.78	-54.16	-37.82	792.77	8,079.23	7,998.62	80.61	100.226		
16,300.00	7,238.08	6,450.00	6,397.02	259.13	29.78	-54.16	-37.82	792.77	8,177.69	8,097.03	80.66	101.381		
16,400.00	7,238.19	6,450.00	6,397.02	261.96	29.78	-54.16	-37.82	792.77	8,276.19	8,195.47	80.72	102.535		
16,500.00	7,238.30	6,450.00	6,397.02	264.79	29.78	-54.16	-37.82	792.77	8,374.72	8,293.95	80.77	103.687		
16,600.00	7,238.40	6,450.00	6,397.02	267.63	29.78	-54.16	-37.82	792.77	8,473.28	8,392.46	80.82	104.836		
16,700.00	7,238.51	6,450.00	6,397.02	270.46	29.78	-54.16	-37.82	792.77	8,571.88	8,491.00	80.88	105.984		
16,800.00	7,238.62	6,450.00	6,397.02	273.29	29.78	-54.16	-37.82	792.77	8,670.51	8,589.58	80.94	107.129		
16,900.00	7,238.72	6,450.00	6,397.02	276.13	29.78	-54.16	-37.82	792.77	8,769.18	8,688.18	80.99	108.272		
17,000.00	7,238.83	6,450.00	6,397.02	278.96	29.78	-54.16	-37.82	792.77	8,867.87	8,786.82	81.05	109.413		
17,100.00	7,238.94	6,450.00	6,397.02	281.80	29.78	-54.16	-37.82	792.77	8,966.59	8,885.48	81.11	110.551		
17,200.00	7,239.04	6,450.00	6,397.02	284.63	29.78	-54.16	-37.82	792.77	9,065.34	8,984.17	81.17	111.687		
17,300.00	7,239.15	6,450.00	6,397.02	287.47	29.78	-54.16	-37.82	792.77	9,164.11	9,082.89	81.23	112.821		
17,400.00	7,239.26	6,450.00	6,397.02	290.30	29.78	-54.16	-37.82	792.77	9,262.92	9,181.63	81.29	113.952		
17,500.00	7,239.36	6,450.00	6,397.02	293.14	29.78	-54.16	-37.82	792.77	9,361.74	9,280.39	81.35	115.081		
17,600.00	7,239.47	6,450.00	6,397.02	295.98	29.78	-54.16	-37.82	792.77	9,460.60	9,379.18	81.41	116.208		
17,700.00	7,239.58	6,450.00	6,397.02	298.81	29.78	-54.16	-37.82	792.77	9,559.47	9,478.00	81.47	117.332		
17,800.00	7,239.68	6,450.00	6,397.02	301.65	29.78	-54.16	-37.82	792.77	9,658.37	9,576.83	81.54	118.453		
17,900.00	7,239.79	6,450.00	6,397.02	304.49	29.78	-54.16	-37.82	792.77	9,757.29	9,675.69	81.60	119.572		
18,000.00	7,239.90	6,450.00	6,397.02	307.33	29.78	-54.16	-37.82	792.77	9,856.24	9,774.57	81.67	120.688		
18,095.23	7,240.00	6,450.00	6,397.02	310.03	29.78	-54.16	-37.82	792.77	9,950.48	9,868.75	81.73	121.749		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.93	209.11	21.71	210.23					
100.00	100.00	100.00	100.00	3.28	3.28	5.93	209.11	21.71	210.23	203.66	6.57	32.002		
200.00	200.00	200.00	200.00	3.34	3.34	5.93	209.11	21.71	210.23	203.56	6.67	31.500 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	172.16	209.11	21.71	211.96	205.08	6.89	30.786		
400.00	399.84	392.87	392.86	3.59	3.59	172.25	210.61	21.61	218.74	211.55	7.19	30.405		
500.00	499.45	484.85	484.72	3.79	3.78	172.29	215.06	21.30	232.12	224.52	7.60	30.534		
600.00	598.70	575.33	574.90	4.03	3.99	172.28	222.30	20.80	252.00	243.92	8.08	31.171		
700.00	697.47	663.77	662.79	4.31	4.23	172.24	232.12	20.12	278.24	269.62	8.62	32.275		
800.00	795.62	749.68	747.84	4.64	4.49	172.16	244.24	19.28	310.65	301.46	9.19	33.797		
900.00	893.06	839.54	836.48	5.00	4.77	172.08	258.93	18.26	348.36	338.57	9.79	35.581		
1,000.00	989.64	930.73	926.42	5.40	5.07	172.05	273.95	17.22	389.37	378.96	10.41	37.391		
1,100.00	1,085.27	1,020.45	1,014.91	5.83	5.39	172.06	288.72	16.20	433.51	422.44	11.07	39.163		
1,200.00	1,179.82	1,108.59	1,101.84	6.29	5.71	172.10	303.23	15.20	480.73	468.99	11.75	40.927		
1,235.00	1,212.63	1,139.04	1,131.88	6.46	5.83	172.12	308.24	14.85	497.98	485.99	11.99	41.522		
1,300.00	1,273.43	1,204.60	1,187.46	6.79	6.08	172.24	317.52	14.21	530.35	517.87	12.47	42.520		
1,400.00	1,366.98	1,282.11	1,272.98	7.30	6.38	172.41	331.80	13.22	580.15	567.01	13.14	44.166		
1,500.00	1,460.52	1,368.81	1,358.49	7.84	6.73	172.55	346.08	12.23	629.95	616.10	13.85	45.474		
1,600.00	1,554.07	1,455.52	1,444.01	8.38	7.08	172.67	360.35	11.24	679.75	665.17	14.59	46.599		
1,700.00	1,647.61	1,542.22	1,529.53	8.93	7.44	172.78	374.63	10.25	729.56	714.23	15.34	47.572		
1,800.00	1,741.16	1,628.93	1,615.05	9.49	7.81	172.87	388.91	9.27	779.37	763.28	16.10	48.418		
1,900.00	1,834.70	1,715.64	1,700.56	10.06	8.18	172.95	403.18	8.28	829.18	812.31	16.87	49.156		
2,000.00	1,928.25	1,802.34	1,786.08	10.63	8.55	173.02	417.46	7.29	878.99	861.34	17.65	49.804		
2,100.00	2,021.79	1,889.05	1,871.60	11.21	8.92	173.08	431.74	6.30	928.81	910.37	18.44	50.374		
2,200.00	2,115.33	1,975.76	1,957.11	11.79	9.30	173.14	446.01	5.31	978.62	959.39	19.23	50.880		
2,300.00	2,208.88	2,062.46	2,042.63	12.37	9.68	173.19	460.29	4.32	1,028.43	1,008.40	20.04	51.329		
2,400.00	2,302.42	2,149.17	2,128.15	12.96	10.06	173.23	474.57	3.34	1,078.25	1,057.40	20.84	51.730		
2,500.00	2,395.97	2,235.87	2,213.67	13.55	10.44	173.28	488.84	2.35	1,128.06	1,106.41	21.66	52.090		
2,600.00	2,489.51	2,322.58	2,299.18	14.14	10.83	173.31	503.12	1.36	1,177.88	1,155.41	22.47	52.413		
2,700.00	2,583.06	2,409.29	2,384.70	14.74	11.22	173.35	517.39	0.37	1,227.69	1,204.40	23.29	52.705		
2,800.00	2,676.60	2,504.01	2,470.22	15.34	11.64	173.38	531.67	-0.62	1,277.51	1,253.36	24.15	52.892		
2,900.00	2,770.14	2,582.70	2,555.73	15.93	11.99	173.41	545.95	-1.60	1,327.33	1,302.38	24.95	53.210		
3,000.00	2,863.69	2,669.40	2,641.25	16.53	12.38	173.44	560.22	-2.59	1,377.14	1,351.37	25.78	53.429		
3,100.00	2,957.23	2,756.11	2,726.77	17.13	12.78	173.47	574.50	-3.58	1,426.96	1,400.35	26.61	53.629		
3,200.00	3,050.78	2,842.82	2,812.28	17.74	13.17	173.49	588.78	-4.57	1,476.78	1,449.33	27.44	53.813		
3,300.00	3,144.32	2,929.52	2,897.80	18.34	13.56	173.52	603.05	-5.56	1,526.59	1,498.31	28.28	53.981		
3,400.00	3,237.87	3,016.23	2,983.32	18.94	13.96	173.54	617.33	-6.55	1,576.41	1,547.29	29.12	54.136		
3,500.00	3,331.41	3,102.94	3,068.84	19.55	14.35	173.56	631.61	-7.53	1,626.23	1,596.27	29.96	54.280		
3,600.00	3,424.96	3,189.64	3,154.35	20.15	14.75	173.58	645.88	-8.52	1,676.05	1,645.24	30.80	54.412		
3,666.72	3,487.37	3,247.49	3,211.41	20.56	15.01	173.59	655.41	-9.18	1,709.29	1,677.92	31.37	54.495		
3,700.00	3,518.57	3,276.44	3,239.96	20.76	15.14	173.63	660.17	-9.51	1,725.70	1,694.05	31.65	54.531		
3,800.00	3,613.09	3,364.55	3,326.86	21.34	15.54	173.76	674.68	-10.52	1,772.99	1,740.50	32.49	54.569		
3,900.00	3,708.70	3,454.24	3,415.32	21.90	15.96	173.86	689.45	-11.54	1,817.19	1,783.86	33.34	54.509		
4,000.00	3,805.27	3,545.41	3,505.25	22.44	16.37	173.93	704.46	-12.58	1,858.26	1,824.07	34.19	54.356		
4,100.00	3,902.69	3,637.95	3,596.51	22.95	16.80	173.98	719.70	-13.63	1,896.14	1,861.10	35.04	54.119		
4,200.00	4,000.84	3,731.74	3,689.02	23.43	17.23	174.02	735.14	-14.70	1,930.78	1,894.90	35.88	53.806		
4,300.00	4,099.59	3,826.68	3,782.65	23.89	17.67	174.03	750.77	-15.78	1,962.15	1,925.42	36.73	53.422		
4,400.00	4,198.84	3,922.63	3,877.29	24.32	18.11	174.03	766.57	-16.88	1,990.20	1,952.64	37.57	52.974		
4,500.00	4,298.45	4,019.50	3,972.83	24.73	18.55	174.02	782.52	-17.98	2,014.91	1,976.51	38.40	52.467		
4,600.00	4,398.30	4,117.15	4,069.14	25.11	19.00	173.98	798.60	-19.10	2,036.25	1,997.02	39.23	51.906		
4,701.72	4,500.00	4,217.17	4,167.79	25.45	19.47	7.75	815.07	-20.24	2,054.46	2,014.42	40.04	51.304		
4,800.00	4,598.28	4,314.10	4,263.39	25.74	19.91	7.66	831.03	-21.34	2,070.36	2,029.54	40.81	50.725		
4,900.00	4,698.28	4,412.73	4,360.67	26.04	20.37	7.57	847.27	-22.46	2,086.54	2,044.93	41.60	50.153		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,511.36	4,457.94	26.34	20.82	7.48	863.51	-23.59	2,102.72	2,060.32	42.40	49.598		
5,100.00	4,898.28	4,609.99	4,555.22	26.65	21.28	7.39	879.75	-24.71	2,118.91	2,075.72	43.19	49.059		
5,200.00	4,998.28	4,708.62	4,652.50	26.96	21.74	7.31	895.99	-25.84	2,135.10	2,091.11	43.99	48.536		
5,300.00	5,098.28	4,807.25	4,749.77	27.27	22.19	7.22	912.23	-26.96	2,151.30	2,106.50	44.79	48.029		
5,400.00	5,198.28	4,905.87	4,847.05	27.59	22.65	7.14	928.47	-28.09	2,167.50	2,121.90	45.60	47.536		
5,500.00	5,298.28	5,004.50	4,944.32	27.91	23.11	7.05	944.71	-29.21	2,183.71	2,137.30	46.40	47.058		
5,600.00	5,398.28	5,103.13	5,041.60	28.23	23.57	6.97	960.95	-30.33	2,199.92	2,152.70	47.22	46.593		
5,700.00	5,498.28	5,201.76	5,138.88	28.56	24.02	6.89	977.19	-31.46	2,216.13	2,168.10	48.03	46.142		
5,800.00	5,598.28	5,300.39	5,236.15	28.89	24.48	6.81	993.42	-32.58	2,232.35	2,183.51	48.84	45.703		
5,900.00	5,698.28	5,400.98	5,333.43	29.22	24.95	6.73	1,009.66	-33.71	2,248.58	2,198.90	49.67	45.269		
6,000.00	5,798.28	5,502.36	5,430.70	29.56	25.42	6.65	1,025.90	-34.83	2,264.80	2,214.30	50.50	44.844		
6,100.00	5,898.28	5,603.73	5,527.98	29.90	25.89	6.58	1,042.14	-35.95	2,281.04	2,229.70	51.34	44.430		
6,200.00	5,998.28	5,705.10	5,625.26	30.24	26.36	6.50	1,058.38	-37.08	2,297.27	2,245.09	52.18	44.029		
6,300.00	6,098.28	5,806.47	5,722.53	30.58	26.83	6.43	1,074.62	-38.20	2,313.51	2,260.49	53.02	43.638		
6,400.00	6,198.28	5,907.84	5,819.81	30.92	27.31	6.35	1,090.86	-39.33	2,329.75	2,275.90	53.86	43.258		
6,500.00	6,298.28	6,009.21	5,917.08	31.27	27.78	6.28	1,107.10	-40.45	2,346.00	2,291.30	54.70	42.888		
6,600.00	6,398.28	6,089.42	6,014.36	31.62	28.15	6.21	1,123.34	-41.58	2,362.25	2,306.80	55.55	42.603		
6,700.00	6,498.28	6,188.05	6,111.64	31.97	28.61	6.14	1,139.58	-42.70	2,378.51	2,322.22	56.28	42.261		
6,794.10	6,592.38	6,278.54	6,200.89	32.31	29.03	6.08	1,154.48	-43.71	2,393.81	2,336.76	57.05	41.962		
6,800.00	6,598.28	6,282.69	6,204.98	32.33	29.05	-83.65	1,155.16	-43.70	2,394.77	2,337.69	57.08	41.954		
6,850.00	6,648.21	6,317.89	6,239.67	32.51	29.21	-82.95	1,160.96	-42.58	2,402.86	2,345.49	57.37	41.887		
6,900.00	6,697.79	6,350.00	6,271.23	32.69	29.36	-82.28	1,166.24	-39.87	2,410.76	2,353.14	57.62	41.842		
6,950.00	6,746.73	6,388.42	6,308.75	32.86	29.53	-81.66	1,172.51	-34.50	2,418.43	2,360.51	57.92	41.755		
7,000.00	6,794.71	6,423.84	6,342.99	33.03	29.68	-81.09	1,178.25	-27.53	2,425.83	2,367.64	58.19	41.687		
7,050.00	6,841.44	6,459.39	6,376.92	33.20	29.83	-80.56	1,183.93	-18.61	2,432.92	2,374.45	58.46	41.615		
7,100.00	6,886.64	6,495.11	6,410.48	33.35	29.97	-80.08	1,189.56	-7.72	2,439.66	2,380.92	58.73	41.537		
7,150.00	6,930.03	6,531.05	6,443.56	33.50	30.11	-79.66	1,195.12	5.14	2,446.01	2,387.00	59.01	41.450		
7,200.00	6,971.33	6,567.23	6,476.10	33.64	30.25	-79.29	1,200.59	19.98	2,451.96	2,392.66	59.30	41.348		
7,250.00	7,010.30	6,603.70	6,508.00	33.77	30.38	-78.98	1,205.95	36.82	2,457.47	2,397.86	59.61	41.229		
7,300.00	7,046.69	6,640.50	6,539.17	33.89	30.50	-78.74	1,211.20	55.65	2,462.51	2,402.58	59.94	41.085		
7,350.00	7,080.28	6,677.67	6,569.51	34.00	30.62	-78.55	1,216.32	76.50	2,467.07	2,406.77	60.30	40.911		
7,400.00	7,110.86	6,715.27	6,598.93	34.11	30.73	-78.42	1,221.28	99.37	2,471.14	2,410.42	60.71	40.702		
7,450.00	7,138.25	6,753.33	6,627.30	34.21	30.84	-78.36	1,226.08	124.28	2,474.69	2,413.51	61.17	40.454		
7,500.00	7,162.27	6,791.92	6,654.51	34.32	30.94	-78.36	1,230.69	151.24	2,477.71	2,416.02	61.70	40.159		
7,550.00	7,182.77	6,831.10	6,680.43	34.43	31.03	-78.43	1,235.09	180.27	2,480.21	2,417.92	62.29	39.816		
7,600.00	7,199.64	6,870.92	6,704.93	34.57	31.11	-78.56	1,239.25	211.38	2,482.17	2,419.21	62.96	39.425		
7,650.00	7,212.76	6,911.46	6,727.84	34.76	31.30	-78.75	1,243.16	244.59	2,483.60	2,419.89	63.71	38.985		
7,700.00	7,222.06	6,952.79	6,749.01	35.02	31.58	-79.01	1,246.78	279.89	2,484.50	2,419.96	64.53	38.500		
7,750.00	7,227.47	6,994.99	6,768.25	35.37	31.88	-79.33	1,250.08	317.30	2,484.87	2,419.42	65.44	37.970		
7,793.42	7,229.00	7,032.43	6,783.23	35.74	32.18	-79.66	1,252.66	351.51	2,484.77	2,418.47	66.30	37.478		
7,800.00	7,229.01	7,038.18	6,785.36	35.80	32.23	-79.71	1,253.03	356.84	2,484.73	2,418.29	66.43	37.402		
7,900.00	7,229.11	7,130.36	6,812.82	36.91	33.08	-80.35	1,257.82	444.62	2,484.39	2,415.72	68.67	36.181		
8,000.00	7,229.22	7,229.30	6,828.06	38.28	34.14	-80.71	1,260.60	542.23	2,484.33	2,413.12	71.21	34.885		
8,100.00	7,229.33	7,329.89	6,830.59	39.83	35.38	-80.76	1,261.26	642.77	2,484.28	2,410.25	74.03	33.559		
8,200.00	7,229.43	7,429.88	6,831.62	41.53	36.77	-80.79	1,261.68	742.76	2,484.22	2,407.09	77.12	32.211		
8,300.00	7,229.54	7,529.88	6,832.65	43.36	38.32	-80.81	1,262.09	842.75	2,484.16	2,403.66	80.49	30.861		
8,400.00	7,229.65	7,629.87	6,833.68	45.30	40.02	-80.83	1,262.50	942.73	2,484.10	2,399.99	84.11	29.533		
8,500.00	7,229.75	7,729.87	6,834.71	47.33	41.84	-80.85	1,262.91	1,042.72	2,484.04	2,396.10	87.94	28.245		
8,600.00	7,229.86	7,829.87	6,835.74	49.45	43.77	-80.87	1,263.32	1,142.71	2,483.98	2,392.02	91.97	27.010		
8,700.00	7,229.97	7,929.86	6,836.77	51.64	45.80	-80.89	1,263.73	1,242.70	2,483.93	2,387.78	96.15	25.834		
8,800.00	7,230.07	8,029.86	6,837.81	53.89	47.91	-80.91	1,264.14	1,342.69	2,483.87	2,383.39	100.48	24.720		
8,900.00	7,230.18	8,129.85	6,838.84	56.19	50.09	-80.93	1,264.56	1,442.68	2,483.81	2,378.88	104.94	23.669		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	8,229.85	6,839.87	58.55	52.34	-80.96	1,264.97	1,542.67	2,483.76	2,374.25	109.51	22.681		
9,100.00	7,230.39	8,329.84	6,840.90	60.94	54.65	-80.98	1,265.38	1,642.66	2,483.70	2,369.53	114.17	21.754		
9,200.00	7,230.50	8,429.84	6,841.93	63.38	57.00	-81.00	1,265.79	1,742.65	2,483.65	2,364.72	118.92	20.884		
9,300.00	7,230.61	8,529.84	6,842.96	65.85	59.40	-81.02	1,266.20	1,842.64	2,483.59	2,359.84	123.75	20.069		
9,400.00	7,230.72	8,629.83	6,843.99	68.35	61.83	-81.04	1,266.61	1,942.63	2,483.54	2,354.89	128.65	19.304		
9,500.00	7,230.82	8,729.83	6,845.02	70.87	64.30	-81.06	1,267.02	2,042.62	2,483.48	2,349.87	133.61	18.588		
9,600.00	7,230.93	8,829.82	6,846.05	73.42	66.81	-81.08	1,267.44	2,142.61	2,483.43	2,344.81	138.62	17.915		
9,700.00	7,231.04	8,929.82	6,847.08	75.99	69.33	-81.11	1,267.85	2,242.60	2,483.37	2,339.69	143.68	17.284		
9,800.00	7,231.14	9,029.81	6,848.12	78.59	71.89	-81.13	1,268.26	2,342.59	2,483.32	2,334.54	148.78	16.691		
9,900.00	7,231.25	9,129.81	6,849.15	81.19	74.46	-81.15	1,268.67	2,442.58	2,483.27	2,329.34	153.93	16.133		
10,000.00	7,231.36	9,229.81	6,850.18	83.82	77.06	-81.17	1,269.08	2,542.57	2,483.22	2,324.11	159.10	15.607		
10,100.00	7,231.46	9,329.80	6,851.21	86.46	79.67	-81.19	1,269.49	2,642.56	2,483.16	2,318.85	164.31	15.112		
10,200.00	7,231.57	9,429.80	6,852.24	89.11	82.30	-81.21	1,269.90	2,742.55	2,483.11	2,313.56	169.55	14.645		
10,300.00	7,231.68	9,529.79	6,853.27	91.77	84.94	-81.23	1,270.32	2,842.54	2,483.06	2,308.24	174.82	14.203		
10,400.00	7,231.78	9,629.79	6,854.30	94.45	87.59	-81.26	1,270.73	2,942.53	2,483.01	2,302.90	180.11	13.786		
10,500.00	7,231.89	9,729.78	6,855.33	97.14	90.26	-81.28	1,271.14	3,042.51	2,482.96	2,297.53	185.42	13.391		
10,600.00	7,232.00	9,829.78	6,856.36	99.83	92.94	-81.30	1,271.55	3,142.50	2,482.91	2,292.15	190.76	13.016		
10,700.00	7,232.10	9,929.78	6,857.39	102.53	95.63	-81.32	1,271.96	3,242.49	2,482.86	2,286.75	196.11	12.660		
10,800.00	7,232.21	10,029.77	6,858.43	105.25	98.33	-81.34	1,272.37	3,342.48	2,482.81	2,281.33	201.48	12.323		
10,900.00	7,232.32	10,129.77	6,859.46	107.96	101.03	-81.36	1,272.78	3,442.47	2,482.76	2,275.89	206.87	12.002		
11,000.00	7,232.42	10,229.76	6,860.49	110.69	103.75	-81.38	1,273.19	3,542.46	2,482.71	2,270.44	212.27	11.696		
11,100.00	7,232.53	10,329.76	6,861.52	113.42	106.47	-81.41	1,273.61	3,642.45	2,482.66	2,264.98	217.68	11.405		
11,200.00	7,232.64	10,429.75	6,862.55	116.16	109.20	-81.43	1,274.02	3,742.44	2,482.61	2,259.50	223.11	11.127		
11,300.00	7,232.74	10,529.75	6,863.58	118.90	111.93	-81.45	1,274.43	3,842.43	2,482.56	2,254.01	228.55	10.862		
11,400.00	7,232.85	10,629.75	6,864.61	121.65	114.67	-81.47	1,274.84	3,942.42	2,482.51	2,248.51	234.00	10.609		
11,500.00	7,232.96	10,729.74	6,865.64	124.41	117.42	-81.49	1,275.25	4,042.41	2,482.47	2,243.01	239.46	10.367		
11,600.00	7,233.06	10,829.74	6,866.67	127.16	120.17	-81.51	1,275.66	4,142.40	2,482.42	2,237.49	244.93	10.135		
11,700.00	7,233.17	10,929.73	6,867.70	129.92	122.93	-81.53	1,276.07	4,242.39	2,482.37	2,231.96	250.41	9.913		
11,800.00	7,233.28	11,029.73	6,868.74	132.69	125.69	-81.56	1,276.49	4,342.38	2,482.33	2,226.43	255.90	9.700		
11,900.00	7,233.38	11,129.72	6,869.77	135.46	128.45	-81.58	1,276.90	4,442.37	2,482.28	2,220.88	261.40	9.496		
12,000.00	7,233.49	11,229.72	6,870.80	138.23	131.22	-81.60	1,277.31	4,542.36	2,482.23	2,215.33	266.90	9.300		
12,100.00	7,233.60	11,329.72	6,871.83	141.01	133.99	-81.62	1,277.72	4,642.35	2,482.19	2,209.78	272.41	9.112		
12,200.00	7,233.71	11,429.71	6,872.86	143.79	136.77	-81.64	1,278.13	4,742.34	2,482.14	2,204.21	277.93	8.931		
12,300.00	7,233.81	11,529.71	6,873.89	146.57	139.54	-81.66	1,278.54	4,842.33	2,482.10	2,198.64	283.46	8.757		
12,400.00	7,233.92	11,629.70	6,874.92	149.35	142.32	-81.68	1,278.95	4,942.32	2,482.06	2,193.07	288.99	8.589		
12,500.00	7,234.03	11,729.70	6,875.95	152.14	145.11	-81.71	1,279.37	5,042.31	2,482.01	2,187.49	294.52	8.427		
12,600.00	7,234.13	11,829.69	6,876.98	154.93	147.89	-81.73	1,279.78	5,142.30	2,481.97	2,181.90	300.07	8.271		
12,700.00	7,234.24	11,929.69	6,878.01	157.72	150.68	-81.75	1,280.19	5,242.29	2,481.92	2,176.31	305.61	8.121		
12,800.00	7,234.35	12,029.68	6,879.05	160.52	153.47	-81.77	1,280.60	5,342.28	2,481.88	2,170.72	311.17	7.976		
12,900.00	7,234.45	12,129.68	6,880.08	163.31	156.27	-81.79	1,281.01	5,442.26	2,481.84	2,165.12	316.72	7.836		
13,000.00	7,234.56	12,229.68	6,881.11	166.11	159.06	-81.81	1,281.42	5,542.25	2,481.80	2,159.51	322.28	7.701		
13,100.00	7,234.67	12,329.67	6,882.14	168.91	161.86	-81.83	1,281.83	5,642.24	2,481.75	2,153.90	327.85	7.570		
13,200.00	7,234.77	12,429.67	6,883.17	171.71	164.66	-81.86	1,282.25	5,742.23	2,481.71	2,148.29	333.42	7.443		
13,300.00	7,234.88	12,529.66	6,884.20	174.52	167.46	-81.88	1,282.66	5,842.22	2,481.67	2,142.68	338.99	7.321		
13,400.00	7,234.99	12,629.66	6,885.23	177.32	170.27	-81.90	1,283.07	5,942.21	2,481.63	2,137.06	344.57	7.202		
13,500.00	7,235.09	12,729.65	6,886.26	180.13	173.07	-81.92	1,283.48	6,042.20	2,481.59	2,131.44	350.15	7.087		
13,600.00	7,235.20	12,829.65	6,887.29	182.94	175.88	-81.94	1,283.89	6,142.19	2,481.55	2,125.81	355.74	6.976		
13,700.00	7,235.31	12,929.65	6,888.32	185.74	178.68	-81.96	1,284.30	6,242.18	2,481.51	2,120.19	361.32	6.868		
13,800.00	7,235.41	13,029.64	6,889.36	188.56	181.49	-81.98	1,284.71	6,342.17	2,481.47	2,114.56	366.91	6.763		
13,900.00	7,235.52	13,129.64	6,890.39	191.37	184.30	-82.00	1,285.12	6,442.16	2,481.43	2,108.92	372.51	6.661		
14,000.00	7,235.63	13,229.63	6,891.42	194.18	187.12	-82.03	1,285.54	6,542.15	2,481.39	2,103.29	378.11	6.563		
14,100.00	7,235.73	13,329.63	6,892.45	197.00	189.93	-82.05	1,285.95	6,642.14	2,481.35	2,097.65	383.71	6.467		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,235.84	13,429.62	6,893.48	199.81	192.74	-82.07	1,286.36	6,742.13	2,481.32	2,092.01	389.31	6.374		
14,300.00	7,235.95	13,529.62	6,894.51	202.63	195.56	-82.09	1,286.77	6,842.12	2,481.28	2,086.36	394.91	6.283		
14,400.00	7,236.05	13,629.62	6,895.54	205.44	198.38	-82.11	1,287.18	6,942.11	2,481.24	2,080.72	400.52	6.195		
14,500.00	7,236.16	13,729.61	6,896.57	208.26	201.19	-82.13	1,287.59	7,042.10	2,481.20	2,075.07	406.13	6.109		
14,600.00	7,236.27	13,829.61	6,897.60	211.08	204.01	-82.15	1,288.00	7,142.09	2,481.17	2,069.42	411.74	6.026		
14,700.00	7,236.37	13,929.60	6,898.63	213.90	206.83	-82.18	1,288.42	7,242.08	2,481.13	2,063.77	417.36	5.945		
14,800.00	7,236.48	14,029.60	6,899.67	216.72	209.65	-82.20	1,288.83	7,342.06	2,481.09	2,058.12	422.98	5.866		
14,900.00	7,236.59	14,129.59	6,900.70	219.55	212.47	-82.22	1,289.24	7,442.05	2,481.06	2,052.46	428.59	5.789		
15,000.00	7,236.69	14,229.59	6,901.73	222.37	215.30	-82.24	1,289.65	7,542.04	2,481.02	2,046.81	434.22	5.714		
15,100.00	7,236.80	14,329.59	6,902.76	225.19	218.12	-82.26	1,290.06	7,642.03	2,480.99	2,041.15	439.84	5.641		
15,200.00	7,236.91	14,429.58	6,903.79	228.02	220.94	-82.28	1,290.47	7,742.02	2,480.95	2,035.49	445.46	5.569		
15,300.00	7,237.02	14,529.58	6,904.82	230.84	223.77	-82.30	1,290.88	7,842.01	2,480.92	2,029.83	451.09	5.500		
15,400.00	7,237.12	14,629.57	6,905.85	233.67	226.59	-82.33	1,291.30	7,942.00	2,480.89	2,024.17	456.72	5.432		
15,500.00	7,237.23	14,729.57	6,906.88	236.50	229.42	-82.35	1,291.71	8,041.99	2,480.85	2,018.50	462.35	5.366		
15,600.00	7,237.34	14,829.56	6,907.91	239.32	232.25	-82.37	1,292.12	8,141.98	2,480.82	2,012.84	467.98	5.301		
15,700.00	7,237.44	14,929.56	6,908.95	242.15	235.07	-82.39	1,292.53	8,241.97	2,480.79	2,007.17	473.62	5.238		
15,800.00	7,237.55	15,029.56	6,909.98	244.98	237.90	-82.41	1,292.94	8,341.96	2,480.75	2,001.50	479.25	5.176		
15,900.00	7,237.66	15,129.55	6,911.01	247.81	240.73	-82.43	1,293.35	8,441.95	2,480.72	1,995.83	484.89	5.116		
16,000.00	7,237.76	15,229.55	6,912.04	250.64	243.56	-82.46	1,293.76	8,541.94	2,480.69	1,990.16	490.53	5.057		
16,100.00	7,237.87	15,329.54	6,913.07	253.47	246.39	-82.48	1,294.18	8,641.93	2,480.66	1,984.49	496.17	5.000		
16,200.00	7,237.98	15,429.54	6,914.10	256.30	249.22	-82.50	1,294.59	8,741.92	2,480.63	1,978.82	501.81	4.943		
16,300.00	7,238.08	15,529.53	6,915.13	259.13	252.05	-82.52	1,295.00	8,841.91	2,480.60	1,973.14	507.45	4.888		
16,400.00	7,238.19	15,629.53	6,916.16	261.96	254.88	-82.54	1,295.41	8,941.90	2,480.57	1,967.47	513.10	4.834		
16,500.00	7,238.30	15,729.53	6,917.19	264.79	257.71	-82.56	1,295.82	9,041.89	2,480.54	1,961.79	518.74	4.782		
16,600.00	7,238.40	15,829.52	6,918.22	267.63	260.54	-82.58	1,296.23	9,141.88	2,480.51	1,956.11	524.39	4.730		
16,700.00	7,238.51	15,929.52	6,919.26	270.46	263.38	-82.61	1,296.64	9,241.87	2,480.48	1,950.44	530.04	4.680		
16,800.00	7,238.62	16,029.51	6,920.29	273.29	266.21	-82.63	1,297.05	9,341.86	2,480.45	1,944.76	535.69	4.630		
16,900.00	7,238.72	16,129.51	6,921.32	276.13	269.04	-82.65	1,297.47	9,441.84	2,480.42	1,939.08	541.34	4.582		
17,000.00	7,238.83	16,229.50	6,922.35	278.96	271.88	-82.67	1,297.88	9,541.83	2,480.39	1,933.40	546.99	4.535		
17,100.00	7,238.94	16,329.50	6,923.38	281.80	274.71	-82.69	1,298.29	9,641.82	2,480.36	1,927.72	552.65	4.488		
17,200.00	7,239.04	16,429.50	6,924.41	284.63	277.55	-82.71	1,298.70	9,741.81	2,480.33	1,922.03	558.30	4.443		
17,300.00	7,239.15	16,529.49	6,925.44	287.47	280.38	-82.73	1,299.11	9,841.80	2,480.31	1,916.35	563.96	4.398		
17,400.00	7,239.26	16,629.49	6,926.47	290.30	283.22	-82.76	1,299.52	9,941.79	2,480.28	1,910.67	569.61	4.354		
17,500.00	7,239.36	16,729.48	6,927.50	293.14	286.05	-82.78	1,299.93	10,041.78	2,480.25	1,904.98	575.27	4.311		
17,600.00	7,239.47	16,829.48	6,928.53	295.98	288.89	-82.80	1,300.35	10,141.77	2,480.23	1,899.30	580.93	4.269		
17,700.00	7,239.58	16,929.47	6,929.57	298.81	291.73	-82.82	1,300.76	10,241.76	2,480.20	1,893.61	586.59	4.228		
17,800.00	7,239.68	17,029.47	6,930.60	301.65	294.56	-82.84	1,301.17	10,341.75	2,480.17	1,887.92	592.25	4.188		
17,900.00	7,239.79	17,129.47	6,931.63	304.49	297.40	-82.86	1,301.58	10,441.74	2,480.15	1,882.24	597.91	4.148		
18,000.00	7,239.90	17,229.46	6,932.66	307.33	300.24	-82.88	1,301.99	10,541.73	2,480.12	1,876.55	603.58	4.109		
18,095.23	7,240.00	17,324.69	6,933.64	310.03	302.94	-82.90	1,302.38	10,636.95	2,480.10	1,871.13	608.97	4.073 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.61	224.05	21.99	225.13					
100.00	100.00	100.00	100.00	3.28	3.28	5.61	224.05	21.99	225.13	218.56	6.57	34.269		
200.00	200.00	200.00	200.00	3.34	3.34	5.61	224.05	21.99	225.13	218.45	6.67	33.731 CC, ES		
300.00	299.98	292.69	292.67	3.44	3.44	171.77	225.55	21.92	228.45	221.57	6.89	33.175		
400.00	399.84	384.77	384.64	3.59	3.58	171.75	230.00	21.69	238.41	231.20	7.21	33.072		
500.00	499.45	475.66	475.23	3.79	3.76	171.72	237.28	21.32	254.92	247.29	7.62	33.437		
600.00	598.70	564.79	563.81	4.03	3.97	171.67	247.21	20.82	277.86	269.75	8.11	34.266		
700.00	697.47	651.66	649.79	4.31	4.21	171.61	259.53	20.19	307.07	298.42	8.64	35.528		
800.00	795.62	742.40	739.28	4.64	4.48	171.56	274.51	19.44	341.73	332.53	9.21	37.115		
900.00	893.06	834.87	830.46	5.00	4.77	171.56	289.91	18.66	379.77	369.98	9.80	38.772		
1,000.00	989.64	925.97	920.28	5.40	5.07	171.61	305.08	17.89	420.98	410.55	10.43	40.377		
1,100.00	1,085.27	1,015.59	1,008.65	5.83	5.39	171.68	320.01	17.13	465.31	454.23	11.08	41.985		
1,200.00	1,179.82	1,103.61	1,095.44	6.29	5.72	171.76	334.67	16.39	512.72	500.96	11.76	43.599		
1,235.00	1,212.63	1,134.03	1,125.43	6.46	5.84	171.80	339.74	16.13	530.03	518.03	12.01	44.143		
1,300.00	1,273.43	1,209.69	1,180.92	6.79	6.13	171.95	349.11	15.66	562.52	550.00	12.53	44.907		
1,400.00	1,366.98	1,276.90	1,266.29	7.30	6.40	172.16	363.53	14.93	612.51	599.36	13.15	46.578		
1,500.00	1,460.52	1,363.48	1,351.67	7.84	6.75	172.34	377.95	14.19	662.51	648.64	13.87	47.773		
1,600.00	1,554.07	1,450.07	1,437.05	8.38	7.11	172.49	392.38	13.46	712.51	697.90	14.60	48.795		
1,700.00	1,647.61	1,536.66	1,522.42	8.93	7.47	172.62	406.80	12.73	762.51	747.16	15.35	49.673		
1,800.00	1,741.16	1,623.25	1,607.80	9.49	7.83	172.73	421.22	12.00	812.51	796.40	16.11	50.432		
1,900.00	1,834.70	1,709.84	1,693.18	10.06	8.20	172.84	435.64	11.27	862.52	845.64	16.88	51.090		
2,000.00	1,928.25	1,796.43	1,778.55	10.63	8.58	172.93	450.06	10.54	912.53	894.87	17.66	51.664		
2,100.00	2,021.79	1,883.02	1,863.93	11.21	8.95	173.01	464.48	9.81	962.54	944.09	18.45	52.167		
2,200.00	2,115.33	1,969.61	1,949.30	11.79	9.33	173.08	478.91	9.08	1,012.55	993.30	19.25	52.609		
2,300.00	2,208.88	2,056.20	2,034.68	12.37	9.71	173.15	493.33	8.35	1,062.56	1,042.52	20.05	53.000		
2,400.00	2,302.42	2,142.78	2,120.06	12.96	10.09	173.21	507.75	7.62	1,112.58	1,091.72	20.86	53.347		
2,500.00	2,395.97	2,229.37	2,205.43	13.55	10.48	173.26	522.17	6.89	1,162.59	1,140.93	21.67	53.657		
2,600.00	2,489.51	2,315.96	2,290.81	14.14	10.86	173.31	536.59	6.16	1,212.61	1,190.12	22.48	53.933		
2,700.00	2,583.06	2,402.55	2,376.19	14.74	11.25	173.36	551.02	5.43	1,262.62	1,239.32	23.30	54.182		
2,800.00	2,676.60	2,489.14	2,461.56	15.34	11.64	173.40	565.44	4.70	1,312.64	1,288.51	24.13	54.405		
2,900.00	2,770.14	2,575.73	2,546.94	15.93	12.03	173.44	579.86	3.97	1,362.66	1,337.70	24.95	54.608		
3,000.00	2,863.69	2,662.32	2,632.31	16.53	12.42	173.48	594.28	3.24	1,412.68	1,386.89	25.78	54.791		
3,100.00	2,957.23	2,748.91	2,717.69	17.13	12.81	173.52	608.70	2.51	1,462.69	1,436.08	26.62	54.957		
3,200.00	3,050.78	2,835.50	2,803.07	17.74	13.20	173.55	623.12	1.77	1,512.71	1,485.26	27.45	55.109		
3,300.00	3,144.32	2,922.08	2,888.44	18.34	13.60	173.58	637.55	1.04	1,562.73	1,534.44	28.29	55.248		
3,400.00	3,237.87	3,008.67	2,973.82	18.94	13.99	173.61	651.97	0.31	1,612.75	1,583.63	29.12	55.375		
3,500.00	3,331.41	3,104.74	3,059.20	19.55	14.43	173.63	666.39	-0.42	1,662.77	1,632.76	30.01	55.413		
3,600.00	3,424.96	3,181.85	3,144.57	20.15	14.78	173.66	680.81	-1.15	1,712.79	1,681.98	30.81	55.598		
3,666.72	3,487.37	3,239.62	3,201.53	20.56	15.05	173.68	690.43	-1.63	1,746.16	1,714.79	31.37	55.665		
3,700.00	3,518.57	3,268.54	3,230.04	20.76	15.18	173.72	695.25	-1.88	1,762.64	1,730.99	31.65	55.694		
3,800.00	3,613.09	3,356.53	3,316.81	21.34	15.58	173.85	709.91	-2.62	1,810.14	1,777.64	32.49	55.709		
3,900.00	3,708.70	3,446.12	3,405.14	21.90	15.99	173.95	724.83	-3.38	1,854.55	1,821.21	33.34	55.627		
4,000.00	3,805.27	3,537.20	3,494.94	22.44	16.41	174.03	740.00	-4.15	1,895.83	1,861.64	34.19	55.453		
4,100.00	3,902.69	3,629.65	3,586.10	22.95	16.84	174.09	755.40	-4.93	1,933.92	1,898.88	35.04	55.196		
4,200.00	4,000.84	3,723.37	3,678.50	23.43	17.27	174.13	771.00	-5.72	1,968.78	1,932.89	35.88	54.864		
4,300.00	4,099.59	3,818.23	3,772.04	23.89	17.70	174.16	786.80	-6.52	2,000.36	1,963.63	36.73	54.462		
4,400.00	4,198.84	3,914.13	3,866.59	24.32	18.15	174.16	802.78	-7.33	2,028.63	1,991.07	37.57	53.997		
4,500.00	4,298.45	4,010.94	3,962.05	24.73	18.59	174.15	818.90	-8.14	2,053.56	2,015.16	38.40	53.474		
4,600.00	4,398.30	4,108.55	4,058.29	25.11	19.04	174.12	835.16	-8.97	2,075.12	2,035.89	39.23	52.897		
4,701.72	4,500.00	4,208.54	4,156.88	25.45	19.51	7.90	851.81	-9.81	2,093.56	2,053.51	40.04	52.280		
4,800.00	4,598.28	4,305.44	4,252.43	25.74	19.96	7.82	867.95	-10.63	2,109.66	2,068.85	40.82	51.688		
4,900.00	4,698.28	4,404.04	4,349.64	26.04	20.41	7.74	884.37	-11.46	2,126.06	2,084.46	41.60	51.102		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,502.64	4,446.86	26.34	20.87	7.65	900.80	-12.29	2,142.46	2,100.06	42.40	50.534		
5,100.00	4,898.28	4,601.24	4,544.08	26.65	21.33	7.57	917.22	-13.12	2,158.87	2,115.67	43.19	49.983		
5,200.00	4,998.28	4,700.16	4,641.30	26.96	21.78	7.49	933.64	-13.96	2,175.27	2,131.28	43.99	49.447		
5,300.00	5,098.28	4,801.56	4,738.52	27.27	22.25	7.41	950.06	-14.79	2,191.69	2,146.88	44.81	48.913		
5,400.00	5,198.28	4,902.96	4,835.74	27.59	22.73	7.34	966.49	-15.62	2,208.10	2,162.48	45.63	48.396		
5,500.00	5,298.28	5,004.36	4,932.96	27.91	23.20	7.26	982.91	-16.45	2,224.52	2,178.08	46.45	47.894		
5,600.00	5,398.28	5,105.76	5,030.18	28.23	23.67	7.19	999.33	-17.28	2,240.95	2,193.68	47.27	47.407		
5,700.00	5,498.28	5,207.17	5,127.39	28.56	24.14	7.11	1,015.75	-18.12	2,257.38	2,209.28	48.10	46.934		
5,800.00	5,598.28	5,308.57	5,224.61	28.89	24.61	7.04	1,032.17	-18.95	2,273.81	2,224.88	48.93	46.475		
5,900.00	5,698.28	5,409.97	5,321.83	29.22	25.08	6.97	1,048.60	-19.78	2,290.24	2,240.49	49.76	46.029		
6,000.00	5,798.28	5,488.63	5,419.05	29.56	25.45	6.90	1,065.02	-20.61	2,306.68	2,256.20	50.49	45.690		
6,100.00	5,898.28	5,587.23	5,516.27	29.90	25.91	6.83	1,081.44	-21.44	2,323.12	2,271.82	51.31	45.278		
6,200.00	5,998.28	5,685.83	5,613.49	30.24	26.37	6.76	1,097.86	-22.27	2,339.57	2,287.44	52.13	44.877		
6,300.00	6,098.28	5,784.43	5,710.71	30.58	26.82	6.69	1,114.29	-23.11	2,356.02	2,303.06	52.96	44.487		
6,400.00	6,198.28	5,883.03	5,807.93	30.92	27.28	6.62	1,130.71	-23.94	2,372.47	2,318.68	53.79	44.107		
6,500.00	6,298.28	5,981.63	5,905.15	31.27	27.74	6.56	1,147.13	-24.77	2,388.92	2,334.31	54.62	43.737		
6,600.00	6,398.28	6,080.23	6,002.36	31.62	28.20	6.49	1,163.55	-25.60	2,405.38	2,349.93	55.45	43.378		
6,700.00	6,498.28	6,178.83	6,099.58	31.97	28.66	6.43	1,179.97	-26.43	2,421.84	2,365.56	56.29	43.027		
6,794.10	6,592.38	6,271.62	6,191.07	32.31	29.10	6.37	1,195.43	-27.22	2,437.34	2,380.26	57.07	42.706		
6,800.00	6,598.28	6,277.43	6,196.80	32.33	29.12	-83.37	1,196.40	-27.27	2,438.30	2,381.18	57.12	42.686		
6,850.00	6,648.21	6,326.64	6,245.32	32.51	29.35	-82.74	1,204.59	-27.68	2,446.26	2,388.72	57.54	42.516		
6,900.00	6,697.79	6,375.48	6,293.48	32.69	29.58	-82.24	1,212.73	-28.09	2,453.73	2,395.78	57.95	42.343		
6,950.00	6,746.73	6,418.23	6,335.63	32.86	29.78	-81.83	1,219.85	-28.33	2,460.74	2,402.44	58.30	42.206		
7,000.00	6,794.71	6,450.00	6,366.93	33.03	29.93	-81.42	1,225.15	-27.18	2,467.48	2,408.93	58.55	42.140		
7,050.00	6,841.44	6,485.74	6,402.02	33.20	30.09	-81.08	1,231.12	-23.99	2,473.99	2,415.15	58.84	42.045		
7,100.00	6,886.64	6,519.93	6,435.37	33.35	30.24	-80.76	1,236.81	-19.08	2,480.23	2,421.12	59.12	41.956		
7,150.00	6,930.03	6,554.47	6,468.74	33.50	30.39	-80.50	1,242.53	-12.28	2,486.20	2,426.80	59.40	41.857		
7,200.00	6,971.33	6,589.40	6,502.07	33.64	30.54	-80.28	1,248.27	-3.55	2,491.85	2,432.16	59.69	41.745		
7,250.00	7,010.30	6,624.80	6,535.30	33.77	30.68	-80.11	1,254.01	7.18	2,497.19	2,437.18	60.01	41.614		
7,300.00	7,046.69	6,660.71	6,568.36	33.89	30.82	-79.99	1,259.75	19.96	2,502.19	2,441.84	60.35	41.461		
7,350.00	7,080.28	6,697.21	6,601.18	34.00	30.96	-79.92	1,265.47	34.87	2,506.64	2,446.11	60.73	41.280		
7,400.00	7,110.86	6,734.39	6,633.68	34.11	31.09	-79.90	1,271.17	51.99	2,511.14	2,449.99	61.15	41.067		
7,450.00	7,138.25	6,772.32	6,665.76	34.21	31.22	-79.94	1,276.82	71.42	2,515.06	2,453.44	61.62	40.816		
7,500.00	7,162.27	6,811.12	6,697.33	34.32	31.35	-80.03	1,282.41	93.25	2,518.62	2,456.47	62.15	40.525		
7,550.00	7,182.77	6,850.89	6,728.26	34.43	31.47	-80.18	1,287.92	117.62	2,521.79	2,459.05	62.74	40.191		
7,600.00	7,199.64	6,891.77	6,758.43	34.57	31.58	-80.38	1,293.34	144.66	2,524.59	2,461.18	63.41	39.813		
7,650.00	7,212.76	6,933.92	6,787.67	34.76	31.69	-80.65	1,298.63	174.54	2,527.00	2,462.85	64.15	39.391		
7,700.00	7,222.06	6,977.51	6,815.79	35.02	31.79	-80.97	1,303.77	207.44	2,529.04	2,464.07	64.97	38.928		
7,750.00	7,227.47	7,022.75	6,842.55	35.37	31.90	-81.34	1,308.71	243.57	2,530.69	2,464.83	65.86	38.426		
7,793.42	7,229.00	7,063.56	6,864.46	35.74	32.11	-81.72	1,312.82	277.75	2,531.80	2,465.11	66.69	37.962		
7,800.00	7,229.01	7,069.89	6,867.66	35.80	32.15	-81.79	1,313.42	283.18	2,531.95	2,465.13	66.83	37.889		
7,900.00	7,229.11	7,175.40	6,912.96	36.91	32.94	-82.83	1,322.19	377.93	2,534.42	2,465.37	69.05	36.704		
8,000.00	7,229.22	7,296.22	6,945.07	38.28	34.07	-83.57	1,328.97	494.02	2,536.65	2,464.94	71.71	35.375		
8,100.00	7,229.33	7,420.47	6,955.17	39.83	35.48	-83.80	1,332.13	617.63	2,537.97	2,463.26	74.71	33.972		
8,200.00	7,229.43	7,520.46	6,956.21	41.53	36.79	-83.82	1,333.47	717.61	2,538.88	2,461.16	77.72	32.665		
8,300.00	7,229.54	7,620.45	6,957.24	43.36	38.26	-83.85	1,334.82	817.59	2,539.80	2,458.78	81.03	31.345		
8,400.00	7,229.65	7,720.44	6,958.27	45.30	39.87	-83.87	1,336.16	917.56	2,540.72	2,456.14	84.58	30.039		
8,500.00	7,229.75	7,820.43	6,959.30	47.33	41.62	-83.89	1,337.51	1,017.54	2,541.64	2,453.28	88.36	28.765		
8,600.00	7,229.86	7,920.42	6,960.33	49.45	43.49	-83.92	1,338.85	1,117.51	2,542.56	2,450.23	92.33	27.536		
8,700.00	7,229.97	8,020.41	6,961.36	51.64	45.46	-83.94	1,340.20	1,217.49	2,543.48	2,447.00	96.48	26.363		
8,800.00	7,230.07	8,120.40	6,962.39	53.89	47.51	-83.96	1,341.54	1,317.47	2,544.40	2,443.63	100.78	25.248		
8,900.00	7,230.18	8,220.39	6,963.42	56.19	49.65	-83.98	1,342.89	1,417.44	2,545.32	2,440.12	105.21	24.194		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	8,320.38	6,964.45	58.55	51.85	-84.01	1,344.23	1,517.42	2,546.25	2,436.49	109.75	23.200		
9,100.00	7,230.39	8,420.37	6,965.48	60.94	54.11	-84.03	1,345.58	1,617.39	2,547.17	2,432.77	114.40	22.265		
9,200.00	7,230.50	8,520.36	6,966.51	63.38	56.43	-84.05	1,346.92	1,717.37	2,548.09	2,428.95	119.14	21.387		
9,300.00	7,230.61	8,620.35	6,967.54	65.85	58.79	-84.08	1,348.27	1,817.35	2,549.01	2,425.06	123.96	20.563		
9,400.00	7,230.72	8,720.34	6,968.58	68.35	61.20	-84.10	1,349.61	1,917.32	2,549.94	2,421.09	128.85	19.790		
9,500.00	7,230.82	8,820.33	6,969.61	70.87	63.64	-84.12	1,350.96	2,017.30	2,550.86	2,417.06	133.80	19.064		
9,600.00	7,230.93	8,920.32	6,970.64	73.42	66.11	-84.15	1,352.30	2,117.28	2,551.79	2,412.97	138.81	18.383		
9,700.00	7,231.04	9,020.31	6,971.67	75.99	68.62	-84.17	1,353.65	2,217.25	2,552.71	2,408.84	143.87	17.743		
9,800.00	7,231.14	9,120.30	6,972.70	78.59	71.14	-84.19	1,354.99	2,317.23	2,553.64	2,404.66	148.98	17.141		
9,900.00	7,231.25	9,220.29	6,973.73	81.19	73.70	-84.21	1,356.33	2,417.20	2,554.56	2,400.43	154.13	16.574		
10,000.00	7,231.36	9,320.28	6,974.76	83.82	76.27	-84.24	1,357.68	2,517.18	2,555.49	2,396.18	159.31	16.041		
10,100.00	7,231.46	9,420.28	6,975.79	86.46	78.86	-84.26	1,359.02	2,617.16	2,556.41	2,391.88	164.53	15.538		
10,200.00	7,231.57	9,520.27	6,976.82	89.11	81.47	-84.28	1,360.37	2,717.13	2,557.34	2,387.56	169.78	15.063		
10,300.00	7,231.68	9,620.26	6,977.85	91.77	84.10	-84.31	1,361.71	2,817.11	2,558.27	2,383.21	175.05	14.614		
10,400.00	7,231.78	9,720.25	6,978.88	94.45	86.74	-84.33	1,363.06	2,917.08	2,559.19	2,378.84	180.36	14.190		
10,500.00	7,231.89	9,820.24	6,979.92	97.14	89.39	-84.35	1,364.40	3,017.06	2,560.12	2,374.44	185.68	13.788		
10,600.00	7,232.00	9,920.23	6,980.95	99.83	92.06	-84.37	1,365.75	3,117.04	2,561.05	2,370.02	191.03	13.407		
10,700.00	7,232.10	10,020.22	6,981.98	102.53	94.73	-84.40	1,367.09	3,217.01	2,561.98	2,365.59	196.39	13.045		
10,800.00	7,232.21	10,120.21	6,983.01	105.25	97.42	-84.42	1,368.44	3,316.99	2,562.91	2,361.13	201.78	12.702		
10,900.00	7,232.32	10,220.20	6,984.04	107.96	100.11	-84.44	1,369.78	3,416.97	2,563.84	2,356.66	207.18	12.375		
11,000.00	7,232.42	10,320.19	6,985.07	110.69	102.81	-84.47	1,371.13	3,516.94	2,564.77	2,352.18	212.59	12.064		
11,100.00	7,232.53	10,420.18	6,986.10	113.42	105.52	-84.49	1,372.47	3,616.92	2,565.70	2,347.68	218.02	11.768		
11,200.00	7,232.64	10,520.17	6,987.13	116.16	108.24	-84.51	1,373.82	3,716.89	2,566.63	2,343.16	223.47	11.486		
11,300.00	7,232.74	10,620.16	6,988.16	118.90	110.97	-84.53	1,375.16	3,816.87	2,567.56	2,338.64	228.92	11.216		
11,400.00	7,232.85	10,720.15	6,989.19	121.65	113.70	-84.56	1,376.51	3,916.85	2,568.49	2,334.10	234.39	10.958		
11,500.00	7,232.96	10,820.14	6,990.22	124.41	116.43	-84.58	1,377.85	4,016.82	2,569.42	2,329.56	239.87	10.712		
11,600.00	7,233.06	10,920.13	6,991.26	127.16	119.17	-84.60	1,379.20	4,116.80	2,570.36	2,325.00	245.35	10.476		
11,700.00	7,233.17	11,020.12	6,992.29	129.92	121.92	-84.62	1,380.54	4,216.77	2,571.29	2,320.44	250.85	10.250		
11,800.00	7,233.28	11,120.11	6,993.32	132.69	124.67	-84.65	1,381.89	4,316.75	2,572.22	2,315.87	256.36	10.034		
11,900.00	7,233.38	11,220.10	6,994.35	135.46	127.43	-84.67	1,383.23	4,416.73	2,573.16	2,311.29	261.87	9.826		
12,000.00	7,233.49	11,320.09	6,995.38	138.23	130.19	-84.69	1,384.58	4,516.70	2,574.09	2,306.70	267.39	9.627		
12,100.00	7,233.60	11,420.08	6,996.41	141.01	132.95	-84.72	1,385.92	4,616.68	2,575.02	2,302.10	272.92	9.435		
12,200.00	7,233.71	11,520.08	6,997.44	143.79	135.72	-84.74	1,387.27	4,716.65	2,575.96	2,297.50	278.46	9.251		
12,300.00	7,233.81	11,620.07	6,998.47	146.57	138.49	-84.76	1,388.61	4,816.63	2,576.89	2,292.89	284.00	9.074		
12,400.00	7,233.92	11,720.06	6,999.50	149.35	141.26	-84.78	1,389.96	4,916.61	2,577.83	2,288.28	289.55	8.903		
12,500.00	7,234.03	11,820.05	7,000.53	152.14	144.04	-84.81	1,391.30	5,016.58	2,578.77	2,283.66	295.10	8.739		
12,600.00	7,234.13	11,920.04	7,001.56	154.93	146.82	-84.83	1,392.64	5,116.56	2,579.70	2,279.04	300.66	8.580		
12,700.00	7,234.24	12,020.03	7,002.59	157.72	149.60	-84.85	1,393.99	5,216.54	2,580.64	2,274.41	306.23	8.427		
12,800.00	7,234.35	12,120.02	7,003.63	160.52	152.38	-84.87	1,395.33	5,316.51	2,581.58	2,269.78	311.80	8.280		
12,900.00	7,234.45	12,220.01	7,004.66	163.31	155.17	-84.90	1,396.68	5,416.49	2,582.51	2,265.14	317.37	8.137		
13,000.00	7,234.56	12,320.00	7,005.69	166.11	157.96	-84.92	1,398.02	5,516.46	2,583.45	2,260.50	322.95	7.999		
13,100.00	7,234.67	12,419.99	7,006.72	168.91	160.75	-84.94	1,399.37	5,616.44	2,584.39	2,255.85	328.54	7.866		
13,200.00	7,234.77	12,519.98	7,007.75	171.71	163.54	-84.96	1,400.71	5,716.42	2,585.33	2,251.21	334.12	7.738		
13,300.00	7,234.88	12,619.97	7,008.78	174.52	166.34	-84.98	1,402.06	5,816.39	2,586.27	2,246.55	339.71	7.613		
13,400.00	7,234.99	12,719.96	7,009.81	177.32	169.13	-85.01	1,403.40	5,916.37	2,587.21	2,241.90	345.31	7.492		
13,500.00	7,235.09	12,819.95	7,010.84	180.13	171.93	-85.03	1,404.75	6,016.34	2,588.15	2,237.24	350.91	7.376		
13,600.00	7,235.20	12,919.94	7,011.87	182.94	174.73	-85.05	1,406.09	6,116.32	2,589.09	2,232.58	356.51	7.262		
13,700.00	7,235.31	13,019.93	7,012.90	185.74	177.54	-85.07	1,407.44	6,216.30	2,590.03	2,227.91	362.12	7.152		
13,800.00	7,235.41	13,119.92	7,013.93	188.56	180.34	-85.10	1,408.78	6,316.27	2,590.97	2,223.25	367.72	7.046		
13,900.00	7,235.52	13,219.91	7,014.97	191.37	183.14	-85.12	1,410.13	6,416.25	2,591.91	2,218.58	373.33	6.943		
14,000.00	7,235.63	13,319.90	7,016.00	194.18	185.95	-85.14	1,411.47	6,516.23	2,592.85	2,213.90	378.95	6.842		
14,100.00	7,235.73	13,419.89	7,017.03	197.00	188.76	-85.16	1,412.82	6,616.20	2,593.80	2,209.23	384.57	6.745		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,235.84	13,519.89	7,018.06	199.81	191.57	-85.19	1,414.16	6,716.18	2,594.74	2,204.55	390.19	6.650		
14,300.00	7,235.95	13,619.88	7,019.09	202.63	194.38	-85.21	1,415.51	6,816.15	2,595.68	2,199.87	395.81	6.558		
14,400.00	7,236.05	13,719.87	7,020.12	205.44	197.19	-85.23	1,416.85	6,916.13	2,596.62	2,195.19	401.43	6.468		
14,500.00	7,236.16	13,819.86	7,021.15	208.26	200.00	-85.25	1,418.20	7,016.11	2,597.57	2,190.51	407.06	6.381		
14,600.00	7,236.27	13,919.85	7,022.18	211.08	202.82	-85.27	1,419.54	7,116.08	2,598.51	2,185.83	412.69	6.297		
14,700.00	7,236.37	14,019.84	7,023.21	213.90	205.63	-85.30	1,420.89	7,216.06	2,599.46	2,181.14	418.32	6.214		
14,800.00	7,236.48	14,119.83	7,024.24	216.72	208.45	-85.32	1,422.23	7,316.03	2,600.40	2,176.45	423.95	6.134		
14,900.00	7,236.59	14,219.82	7,025.27	219.55	211.26	-85.34	1,423.58	7,416.01	2,601.35	2,171.76	429.59	6.055		
15,000.00	7,236.69	14,319.81	7,026.30	222.37	214.08	-85.36	1,424.92	7,515.99	2,602.29	2,167.07	435.22	5.979		
15,100.00	7,236.80	14,419.80	7,027.34	225.19	216.90	-85.39	1,426.27	7,615.96	2,603.24	2,162.38	440.86	5.905		
15,200.00	7,236.91	14,519.79	7,028.37	228.02	219.72	-85.41	1,427.61	7,715.94	2,604.19	2,157.68	446.50	5.832		
15,300.00	7,237.02	14,619.78	7,029.40	230.84	222.54	-85.43	1,428.95	7,815.91	2,605.13	2,152.99	452.14	5.762		
15,400.00	7,237.12	14,719.77	7,030.43	233.67	225.36	-85.45	1,430.30	7,915.89	2,606.08	2,148.29	457.79	5.693		
15,500.00	7,237.23	14,819.76	7,031.46	236.50	228.18	-85.47	1,431.64	8,015.87	2,607.03	2,143.59	463.43	5.625		
15,600.00	7,237.34	14,919.75	7,032.49	239.32	231.00	-85.50	1,432.99	8,115.84	2,607.98	2,138.90	469.08	5.560		
15,700.00	7,237.44	15,019.74	7,033.52	242.15	233.82	-85.52	1,434.33	8,215.82	2,608.93	2,134.20	474.73	5.496		
15,800.00	7,237.55	15,119.73	7,034.55	244.98	236.65	-85.54	1,435.68	8,315.80	2,609.87	2,129.49	480.38	5.433		
15,900.00	7,237.66	15,219.72	7,035.58	247.81	239.47	-85.56	1,437.02	8,415.77	2,610.82	2,124.79	486.03	5.372		
16,000.00	7,237.76	15,319.71	7,036.61	250.64	242.29	-85.58	1,438.37	8,515.75	2,611.77	2,120.09	491.68	5.312		
16,100.00	7,237.87	15,419.70	7,037.64	253.47	245.12	-85.61	1,439.71	8,615.72	2,612.72	2,115.38	497.34	5.253		
16,200.00	7,237.98	15,519.70	7,038.68	256.30	247.94	-85.63	1,441.06	8,715.70	2,613.67	2,110.68	502.99	5.196		
16,300.00	7,238.08	15,619.69	7,039.71	259.13	250.77	-85.65	1,442.40	8,815.68	2,614.62	2,105.97	508.65	5.140		
16,400.00	7,238.19	15,719.68	7,040.74	261.96	253.60	-85.67	1,443.75	8,915.65	2,615.58	2,101.27	514.31	5.086		
16,500.00	7,238.30	15,819.67	7,041.77	264.79	256.42	-85.69	1,445.09	9,015.63	2,616.53	2,096.56	519.97	5.032		
16,600.00	7,238.40	15,919.66	7,042.80	267.63	259.25	-85.71	1,446.44	9,115.60	2,617.48	2,091.85	525.63	4.980		
16,700.00	7,238.51	16,019.65	7,043.83	270.46	262.08	-85.74	1,447.78	9,215.58	2,618.43	2,087.14	531.29	4.928		
16,800.00	7,238.62	16,119.64	7,044.86	273.29	264.91	-85.76	1,449.13	9,315.56	2,619.38	2,082.43	536.95	4.878		
16,900.00	7,238.72	16,219.63	7,045.89	276.13	267.74	-85.78	1,450.47	9,415.53	2,620.34	2,077.72	542.62	4.829		
17,000.00	7,238.83	16,319.62	7,046.92	278.96	270.57	-85.80	1,451.82	9,515.51	2,621.29	2,073.01	548.28	4.781		
17,100.00	7,238.94	16,419.61	7,047.95	281.80	273.40	-85.82	1,453.16	9,615.49	2,622.24	2,068.30	553.95	4.734		
17,200.00	7,239.04	16,519.60	7,048.98	284.63	276.23	-85.85	1,454.51	9,715.46	2,623.20	2,063.58	559.61	4.688		
17,300.00	7,239.15	16,619.59	7,050.02	287.47	279.06	-85.87	1,455.85	9,815.44	2,624.15	2,058.87	565.28	4.642		
17,400.00	7,239.26	16,719.58	7,051.05	290.30	281.89	-85.89	1,457.20	9,915.41	2,625.11	2,054.16	570.95	4.598		
17,500.00	7,239.36	16,819.57	7,052.08	293.14	284.72	-85.91	1,458.54	10,015.39	2,626.06	2,049.44	576.62	4.554		
17,600.00	7,239.47	16,919.56	7,053.11	295.98	287.56	-85.93	1,459.89	10,115.37	2,627.02	2,044.73	582.29	4.512		
17,700.00	7,239.58	17,019.55	7,054.14	298.81	290.39	-85.95	1,461.23	10,215.34	2,627.98	2,040.01	587.96	4.470		
17,800.00	7,239.68	17,119.54	7,055.17	301.65	293.22	-85.98	1,462.57	10,315.32	2,628.93	2,035.30	593.63	4.429		
17,900.00	7,239.79	17,219.53	7,056.20	304.49	296.05	-86.00	1,463.92	10,415.29	2,629.89	2,030.58	599.31	4.388		
18,000.00	7,239.90	17,319.52	7,057.23	307.33	298.89	-86.02	1,465.26	10,515.27	2,630.85	2,025.87	604.98	4.349		
18,095.23	7,240.00	17,414.74	7,058.21	310.03	301.59	-86.04	1,466.55	10,610.48	2,631.76	2,021.37	610.38	4.312 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	14.94	1.39	15.01					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	14.94	1.39	15.01	8.44	6.57	2.284		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	14.94	1.39	15.01	8.33	6.67	2.248 CC		
300.00	299.98	300.52	300.49	3.44	3.44	171.13	13.25	0.88	15.01	8.12	6.89	2.179		
400.00	399.84	401.03	400.86	3.59	3.59	170.04	8.20	-0.66	15.04	7.83	7.22	2.085		
500.00	499.45	501.54	500.99	3.79	3.80	168.22	-0.23	-3.23	15.10	7.46	7.64	1.976		
600.00	598.70	602.05	600.73	4.03	4.04	165.71	-12.00	-6.82	15.21	7.05	8.15	1.865		
700.00	697.47	702.34	699.82	4.31	4.32	162.94	-26.79	-11.33	15.67	6.96	8.72	1.798 ES		
800.00	795.62	802.28	798.47	4.64	4.64	163.19	-42.09	-15.99	18.94	9.62	9.32	2.032		
900.00	893.06	902.05	896.96	5.00	4.98	165.59	-57.37	-20.65	25.56	15.58	9.98	2.561		
1,000.00	989.64	1,001.53	995.15	5.40	5.35	168.24	-72.60	-25.29	35.61	24.93	10.69	3.333		
1,100.00	1,085.27	1,100.60	1,092.94	5.83	5.73	170.43	-87.77	-29.91	49.12	37.69	11.43	4.298		
1,200.00	1,179.82	1,200.87	1,190.20	6.29	6.13	172.09	-102.85	-34.51	66.09	53.88	12.21	5.413		
1,235.00	1,212.63	1,233.47	1,224.10	6.46	6.26	172.57	-108.11	-36.11	72.84	60.35	12.48	5.835		
1,300.00	1,273.43	1,302.84	1,286.97	6.79	6.55	173.31	-117.86	-39.08	85.77	72.75	13.03	6.584		
1,400.00	1,366.98	1,404.86	1,383.69	7.30	6.97	174.10	-132.86	-43.65	105.69	91.83	13.86	7.625		
1,500.00	1,460.52	1,506.87	1,480.42	7.84	7.41	174.64	-147.86	-48.23	125.63	110.91	14.71	8.537		
1,600.00	1,554.07	1,591.12	1,577.14	8.38	7.78	175.03	-162.87	-52.80	145.57	130.05	15.51	9.384		
1,700.00	1,647.61	1,689.11	1,673.87	8.93	8.21	175.33	-177.87	-57.37	165.51	149.13	16.38	10.104		
1,800.00	1,741.16	1,787.09	1,770.59	9.49	8.64	175.56	-192.87	-61.94	185.46	168.20	17.26	10.745		
1,900.00	1,834.70	1,885.08	1,867.31	10.06	9.08	175.75	-207.87	-66.52	205.41	187.26	18.15	11.318		
2,000.00	1,928.25	1,983.07	1,964.04	10.63	9.52	175.90	-222.87	-71.09	225.37	206.32	19.05	11.832		
2,100.00	2,021.79	2,081.06	2,060.76	11.21	9.97	176.03	-237.88	-75.66	245.32	225.37	19.95	12.295		
2,200.00	2,115.33	2,179.04	2,157.49	11.79	10.41	176.14	-252.88	-80.23	265.27	244.41	20.86	12.715		
2,300.00	2,208.88	2,277.03	2,254.21	12.37	10.86	176.24	-267.88	-84.80	285.23	263.45	21.78	13.095		
2,400.00	2,302.42	2,375.02	2,350.94	12.96	11.31	176.32	-282.88	-89.38	305.19	282.48	22.70	13.442		
2,500.00	2,395.97	2,473.01	2,447.66	13.55	11.77	176.39	-297.88	-93.95	325.15	301.52	23.63	13.760		
2,600.00	2,489.51	2,570.99	2,544.38	14.14	12.22	176.46	-312.89	-98.52	345.10	320.54	24.56	14.051		
2,700.00	2,583.06	2,668.98	2,641.11	14.74	12.68	176.51	-327.89	-103.09	365.06	339.57	25.49	14.319		
2,800.00	2,676.60	2,766.97	2,737.83	15.34	13.14	176.56	-342.89	-107.67	385.02	358.59	26.43	14.567		
2,900.00	2,770.14	2,864.96	2,834.56	15.93	13.59	176.61	-357.89	-112.24	404.98	377.61	27.37	14.796		
3,000.00	2,863.69	2,962.94	2,931.28	16.53	14.05	176.65	-372.89	-116.81	424.94	396.62	28.31	15.008		
3,100.00	2,957.23	3,060.93	3,028.01	17.13	14.51	176.69	-387.89	-121.38	444.90	415.64	29.26	15.206		
3,200.00	3,050.78	3,158.92	3,124.73	17.74	14.98	176.72	-402.90	-125.96	464.86	434.65	30.21	15.390		
3,300.00	3,144.32	3,256.91	3,221.45	18.34	15.44	176.76	-417.90	-130.53	484.82	453.66	31.15	15.562		
3,400.00	3,237.87	3,354.90	3,318.18	18.94	15.90	176.78	-432.90	-135.10	504.78	472.67	32.10	15.723		
3,500.00	3,331.41	3,452.88	3,414.90	19.55	16.36	176.81	-447.90	-139.67	524.74	491.68	33.06	15.874		
3,600.00	3,424.96	3,550.87	3,511.63	20.15	16.83	176.84	-462.90	-144.24	544.69	510.69	34.01	16.016		
3,666.72	3,487.37	3,616.25	3,576.16	20.56	17.14	176.85	-472.91	-147.29	558.01	523.37	34.65	16.106		
3,700.00	3,518.57	3,648.90	3,608.39	20.76	17.29	176.87	-477.91	-148.82	564.47	529.50	34.96	16.145		
3,800.00	3,613.09	3,747.42	3,705.64	21.34	17.76	176.89	-493.00	-153.42	581.57	545.66	35.91	16.195		
3,900.00	3,708.70	3,846.47	3,803.42	21.90	18.23	176.89	-508.16	-158.04	595.24	558.39	36.85	16.153		
4,000.00	3,805.27	3,945.95	3,901.61	22.44	18.70	176.87	-523.39	-162.68	605.44	567.66	37.78	16.026		
4,100.00	3,902.69	4,045.71	4,000.09	22.95	19.18	176.83	-538.67	-167.33	612.17	573.47	38.70	15.819		
4,200.00	4,000.84	4,145.65	4,098.74	23.43	19.65	176.77	-553.97	-172.00	615.42	575.82	39.60	15.539		
4,300.00	4,099.59	4,245.64	4,197.44	23.89	20.13	176.69	-569.27	-176.66	615.19	574.69	40.50	15.191		
4,400.00	4,198.84	4,345.56	4,296.08	24.32	20.61	176.58	-584.57	-181.33	611.47	570.10	41.37	14.780		
4,500.00	4,298.45	4,445.29	4,394.52	24.73	21.08	176.45	-599.84	-185.98	604.28	562.05	42.23	14.309		
4,600.00	4,398.30	4,544.70	4,492.65	25.11	21.56	176.29	-615.06	-190.62	593.62	550.55	43.07	13.782		
4,701.72	4,500.00	4,645.38	4,592.03	25.45	22.04	9.91	-630.48	-195.32	579.24	535.35	43.89	13.196		
4,800.00	4,598.28	4,742.39	4,687.79	25.74	22.50	9.72	-645.33	-199.84	563.63	518.97	44.66	12.620		
4,900.00	4,698.28	4,841.10	4,785.23	26.04	22.97	9.51	-660.44	-204.45	547.75	502.30	45.45	12.052		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,939.81	4,882.67	26.34	23.45	9.28	-675.55	-209.05	531.88	485.65	46.24	11.503		
5,100.00	4,898.28	5,038.53	4,980.10	26.65	23.92	9.05	-690.67	-213.66	516.02	468.99	47.03	10.972		
5,200.00	4,998.28	5,137.24	5,077.54	26.96	24.39	8.79	-705.78	-218.27	500.17	452.34	47.82	10.458		
5,300.00	5,098.28	5,235.95	5,174.98	27.27	24.87	8.53	-720.89	-222.87	484.33	435.70	48.62	9.961		
5,400.00	5,198.28	5,334.66	5,272.42	27.59	25.34	8.24	-736.00	-227.48	468.49	419.07	49.43	9.479		
5,500.00	5,298.28	5,433.37	5,369.86	27.91	25.81	7.93	-751.12	-232.08	452.68	402.44	50.23	9.012		
5,600.00	5,398.28	5,532.08	5,467.30	28.23	26.28	7.60	-766.23	-236.69	436.87	385.83	51.04	8.559		
5,700.00	5,498.28	5,630.79	5,564.73	28.56	26.76	7.25	-781.34	-241.30	421.08	369.23	51.85	8.121		
5,800.00	5,598.28	5,729.50	5,662.17	28.89	27.23	6.87	-796.45	-245.90	405.31	352.64	52.67	7.696		
5,900.00	5,698.28	5,828.21	5,759.61	29.22	27.71	6.46	-811.57	-250.51	389.55	336.07	53.49	7.283		
6,000.00	5,798.28	5,926.92	5,857.05	29.56	28.18	6.01	-826.68	-255.11	373.82	319.51	54.31	6.883		
6,100.00	5,898.28	6,025.63	5,954.49	29.90	28.65	5.52	-841.79	-259.72	358.11	302.98	55.13	6.495		
6,200.00	5,998.28	6,124.34	6,051.93	30.24	29.13	4.99	-856.91	-264.33	342.43	286.47	55.96	6.119		
6,300.00	6,098.28	6,223.06	6,149.36	30.58	29.60	4.41	-872.02	-268.93	326.78	269.98	56.79	5.754		
6,400.00	6,198.28	6,321.43	6,246.48	30.92	30.07	3.79	-887.08	-273.44	311.17	253.54	57.63	5.400		
6,500.00	6,298.28	6,416.80	6,340.53	31.27	30.51	4.80	-901.65	-269.22	296.23	237.85	58.38	5.074		
6,600.00	6,398.28	6,508.89	6,429.80	31.62	30.88	8.59	-915.46	-251.71	283.28	224.30	58.98	4.803		
6,700.00	6,498.28	6,594.35	6,509.62	31.97	31.18	14.70	-927.79	-223.96	275.27	216.04	59.23	4.648		
6,740.08	6,538.36	6,626.25	6,538.36	32.12	31.29	17.58	-932.22	-210.86	274.42	215.29	59.14	4.640		
6,794.10	6,592.38	6,666.91	6,574.00	32.31	31.42	21.66	-937.71	-192.08	276.17	217.43	58.74	4.702		
6,800.00	6,598.28	6,671.20	6,577.69	32.33	31.43	-67.68	-938.28	-189.97	276.57	217.90	58.67	4.714		
6,850.00	6,648.21	6,707.17	6,608.05	32.51	31.53	-63.68	-942.95	-171.27	280.99	223.04	57.95	4.849		
6,900.00	6,697.79	6,742.52	6,636.82	32.69	31.63	-59.86	-947.38	-151.21	286.93	229.99	56.94	5.039		
6,950.00	6,746.73	6,777.35	6,664.05	32.86	31.72	-56.28	-951.56	-129.91	294.07	238.43	55.64	5.285		
7,000.00	6,794.71	6,811.72	6,689.76	33.03	31.80	-52.95	-955.51	-107.45	302.10	248.00	54.10	5.584		
7,050.00	6,841.44	6,845.69	6,713.95	33.20	31.88	-49.89	-959.22	-83.89	310.71	258.37	52.34	5.937		
7,100.00	6,886.64	6,879.31	6,736.64	33.35	31.95	-47.12	-962.69	-59.33	319.64	269.24	50.40	6.342		
7,150.00	6,930.03	6,912.63	6,757.82	33.50	32.01	-44.61	-965.93	-33.83	328.67	280.33	48.33	6.800		
7,200.00	6,971.33	6,945.68	6,777.51	33.64	32.07	-42.37	-968.94	-7.45	337.57	291.41	46.17	7.312		
7,250.00	7,010.30	6,978.51	6,795.70	33.77	32.12	-40.38	-971.71	19.73	346.19	302.24	43.95	7.877		
7,300.00	7,046.69	7,011.14	6,812.39	33.89	32.17	-38.64	-974.25	47.65	354.36	312.64	41.72	8.494		
7,350.00	7,080.28	7,043.60	6,827.56	34.00	32.23	-37.11	-976.56	76.25	361.96	322.45	39.52	9.160		
7,400.00	7,110.86	7,075.92	6,841.22	34.11	32.29	-35.80	-978.62	105.47	368.89	331.49	37.40	9.864		
7,450.00	7,138.25	7,108.12	6,853.35	34.21	32.38	-34.68	-980.45	135.23	375.05	339.65	35.40	10.596		
7,500.00	7,162.27	7,140.22	6,863.95	34.32	32.53	-33.75	-982.04	165.49	380.37	346.79	33.58	11.326		
7,550.00	7,182.77	7,172.24	6,873.01	34.43	32.76	-32.99	-983.39	196.17	384.79	352.78	32.02	12.019		
7,600.00	7,199.64	7,200.00	6,879.62	34.57	32.99	-32.44	-984.37	223.10	388.30	357.83	30.47	12.744		
7,650.00	7,212.76	7,236.11	6,886.47	34.76	33.34	-31.96	-985.37	258.54	390.75	360.88	29.87	13.083		
7,700.00	7,222.06	7,268.00	6,890.87	35.02	33.67	-31.68	-986.00	290.11	392.22	362.82	29.41	13.337		
7,750.00	7,227.47	7,300.00	6,893.70	35.37	34.02	-31.55	-986.38	321.98	392.67	363.26	29.41	13.350		
7,793.42	7,229.00	7,327.55	6,894.86	35.74	34.34	-31.56	-986.52	349.51	392.21	362.41	29.81	13.158		
7,800.00	7,229.01	7,331.74	6,894.94	35.80	34.39	-31.56	-986.52	353.70	392.11	362.21	29.90	13.116		
7,900.00	7,229.11	7,427.39	6,895.24	36.91	35.62	-31.55	-986.40	449.35	391.81	360.17	31.64	12.382		
8,000.00	7,229.22	7,527.39	6,895.50	38.28	37.07	-31.54	-986.27	549.35	391.58	357.92	33.66	11.633		
8,100.00	7,229.33	7,627.39	6,895.76	39.83	38.67	-31.53	-986.14	649.35	391.35	355.46	35.89	10.905		
8,200.00	7,229.43	7,727.39	6,896.02	41.53	40.41	-31.52	-986.01	749.35	391.12	352.83	38.29	10.215		
8,300.00	7,229.54	7,827.39	6,896.28	43.36	42.28	-31.51	-985.87	849.35	390.88	350.05	40.83	9.573		
8,400.00	7,229.65	7,927.39	6,896.55	45.30	44.25	-31.50	-985.74	949.34	390.65	347.16	43.49	8.982		
8,500.00	7,229.75	8,027.39	6,896.81	47.33	46.31	-31.48	-985.61	1,049.34	390.42	344.17	46.25	8.441		
8,600.00	7,229.86	8,127.39	6,897.07	49.45	48.45	-31.47	-985.48	1,149.34	390.19	341.10	49.09	7.948		
8,700.00	7,229.97	8,227.39	6,897.33	51.64	50.66	-31.46	-985.34	1,249.34	389.96	337.96	52.00	7.500		
8,800.00	7,230.07	8,327.39	6,897.59	53.89	52.93	-31.45	-985.21	1,349.34	389.73	334.77	54.96	7.091		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	8,427.39	6,897.86	56.19	55.26	-31.44	-985.08	1,449.34	389.50	331.53	57.97	6.719		
9,000.00	7,230.29	8,527.39	6,898.12	58.55	57.63	-31.42	-984.95	1,549.34	389.27	328.25	61.01	6.380		
9,100.00	7,230.39	8,627.39	6,898.38	60.94	60.05	-31.41	-984.82	1,649.34	389.04	324.94	64.10	6.070		
9,200.00	7,230.50	8,727.39	6,898.64	63.38	62.50	-31.40	-984.68	1,749.34	388.80	321.60	67.21	5.785		
9,300.00	7,230.61	8,827.39	6,898.91	65.85	64.99	-31.39	-984.55	1,849.34	388.57	318.23	70.34	5.524		
9,400.00	7,230.72	8,927.39	6,899.17	68.35	67.50	-31.38	-984.42	1,949.34	388.34	314.84	73.50	5.284		
9,500.00	7,230.82	9,027.39	6,899.43	70.87	70.04	-31.37	-984.29	2,049.34	388.11	311.44	76.67	5.062		
9,600.00	7,230.93	9,127.39	6,899.69	73.42	72.61	-31.35	-984.16	2,149.34	387.88	308.01	79.87	4.857		
9,700.00	7,231.04	9,227.39	6,899.95	75.99	75.19	-31.34	-984.02	2,249.34	387.65	304.58	83.07	4.666		
9,800.00	7,231.14	9,327.39	6,900.22	78.59	77.80	-31.33	-983.89	2,349.33	387.42	301.13	86.29	4.490		
9,900.00	7,231.25	9,427.39	6,900.48	81.19	80.42	-31.32	-983.76	2,449.33	387.19	297.67	89.52	4.325		
10,000.00	7,231.36	9,527.39	6,900.74	83.82	83.05	-31.31	-983.63	2,549.33	386.96	294.20	92.76	4.172		
10,100.00	7,231.46	9,627.39	6,901.00	86.46	85.70	-31.29	-983.50	2,649.33	386.73	290.72	96.01	4.028		
10,200.00	7,231.57	9,727.39	6,901.26	89.11	88.37	-31.28	-983.36	2,749.33	386.50	287.24	99.26	3.894		
10,300.00	7,231.68	9,827.39	6,901.53	91.77	91.04	-31.27	-983.23	2,849.33	386.26	283.74	102.52	3.768		
10,400.00	7,231.78	9,927.39	6,901.79	94.45	93.73	-31.26	-983.10	2,949.33	386.03	280.25	105.79	3.649		
10,500.00	7,231.89	10,027.39	6,902.05	97.14	96.42	-31.25	-982.97	3,049.33	385.80	276.74	109.06	3.538		
10,600.00	7,232.00	10,127.39	6,902.31	99.83	99.12	-31.23	-982.84	3,149.33	385.57	273.24	112.34	3.432		
10,700.00	7,232.10	10,227.39	6,902.57	102.53	101.84	-31.22	-982.70	3,249.33	385.34	269.73	115.62	3.333		
10,800.00	7,232.21	10,327.38	6,902.84	105.25	104.55	-31.21	-982.57	3,349.33	385.11	266.21	118.90	3.239		
10,900.00	7,232.32	10,427.38	6,903.10	107.96	107.28	-31.20	-982.44	3,449.33	384.88	262.69	122.19	3.150		
11,000.00	7,232.42	10,527.38	6,903.36	110.69	110.01	-31.19	-982.31	3,549.33	384.65	259.17	125.48	3.066		
11,100.00	7,232.53	10,627.38	6,903.62	113.42	112.75	-31.17	-982.17	3,649.33	384.42	255.65	128.77	2.985		
11,200.00	7,232.64	10,727.38	6,903.88	116.16	115.50	-31.16	-982.04	3,749.32	384.19	252.13	132.06	2.909		
11,300.00	7,232.74	10,827.38	6,904.15	118.90	118.25	-31.15	-981.91	3,849.32	383.96	248.60	135.36	2.837		
11,400.00	7,232.85	10,927.38	6,904.41	121.65	121.00	-31.14	-981.78	3,949.32	383.73	245.07	138.66	2.767		
11,500.00	7,232.96	11,027.38	6,904.67	124.41	123.76	-31.13	-981.65	4,049.32	383.50	241.54	141.95	2.702		
11,600.00	7,233.06	11,127.38	6,904.93	127.16	126.52	-31.11	-981.51	4,149.32	383.27	238.01	145.25	2.639		
11,700.00	7,233.17	11,227.38	6,905.20	129.92	129.29	-31.10	-981.38	4,249.32	383.04	234.48	148.56	2.578		
11,800.00	7,233.28	11,327.38	6,905.46	132.69	132.06	-31.09	-981.25	4,349.32	382.80	230.95	151.86	2.521		
11,900.00	7,233.38	11,427.38	6,905.72	135.46	134.84	-31.08	-981.12	4,449.32	382.57	227.42	155.16	2.466		
12,000.00	7,233.49	11,527.38	6,905.98	138.23	137.61	-31.06	-980.99	4,549.32	382.34	223.88	158.46	2.413		
12,100.00	7,233.60	11,627.38	6,906.24	141.01	140.40	-31.05	-980.85	4,649.32	382.11	220.35	161.76	2.362		
12,200.00	7,233.71	11,727.38	6,906.51	143.79	143.18	-31.04	-980.72	4,749.32	381.88	216.82	165.07	2.313		
12,300.00	7,233.81	11,827.38	6,906.77	146.57	145.97	-31.03	-980.59	4,849.32	381.65	213.28	168.37	2.267		
12,400.00	7,233.92	11,927.38	6,907.03	149.35	148.75	-31.02	-980.46	4,949.32	381.42	209.75	171.67	2.222		
12,500.00	7,234.03	12,027.38	6,907.29	152.14	151.55	-31.00	-980.33	5,049.32	381.19	206.22	174.98	2.179		
12,600.00	7,234.13	12,127.38	6,907.55	154.93	154.34	-30.99	-980.19	5,149.31	380.96	202.68	178.28	2.137		
12,700.00	7,234.24	12,227.38	6,907.82	157.72	157.14	-30.98	-980.06	5,249.31	380.73	199.15	181.58	2.097		
12,800.00	7,234.35	12,327.38	6,908.08	160.52	159.93	-30.97	-979.93	5,349.31	380.50	195.62	184.88	2.058		
12,900.00	7,234.45	12,427.38	6,908.34	163.31	162.73	-30.95	-979.80	5,449.31	380.27	192.08	188.19	2.021		
13,000.00	7,234.56	12,527.38	6,908.60	166.11	165.54	-30.94	-979.67	5,549.31	380.04	188.55	191.49	1.985		
13,100.00	7,234.67	12,627.38	6,908.86	168.91	168.34	-30.93	-979.53	5,649.31	379.81	185.02	194.79	1.950		
13,200.00	7,234.77	12,727.38	6,909.13	171.71	171.14	-30.92	-979.40	5,749.31	379.58	181.49	198.09	1.916		
13,300.00	7,234.88	12,827.38	6,909.39	174.52	173.95	-30.90	-979.27	5,849.31	379.35	177.96	201.39	1.884		
13,400.00	7,234.99	12,927.38	6,909.65	177.32	176.76	-30.89	-979.14	5,949.31	379.12	174.43	204.68	1.852		
13,500.00	7,235.09	13,027.38	6,909.91	180.13	179.57	-30.88	-979.00	6,049.31	378.89	170.91	207.98	1.822		
13,600.00	7,235.20	13,127.38	6,910.18	182.94	182.38	-30.87	-978.87	6,149.31	378.66	167.38	211.28	1.792		
13,700.00	7,235.31	13,227.38	6,910.44	185.74	185.19	-30.85	-978.74	6,249.31	378.43	163.85	214.57	1.764		
13,800.00	7,235.41	13,327.38	6,910.70	188.56	188.01	-30.84	-978.61	6,349.31	378.20	160.33	217.87	1.736		
13,900.00	7,235.52	13,427.38	6,910.96	191.37	190.82	-30.83	-978.48	6,449.30	377.97	156.80	221.16	1.709		
14,000.00	7,235.63	13,527.38	6,911.22	194.18	193.64	-30.82	-978.34	6,549.30	377.74	153.28	224.46	1.683		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	13,627.37	6,911.49	197.00	196.46	-30.80	-978.21	6,649.30	377.51	149.76	227.75	1.658		
14,200.00	7,235.84	13,727.37	6,911.75	199.81	199.27	-30.79	-978.08	6,749.30	377.28	146.24	231.04	1.633		
14,300.00	7,235.95	13,827.37	6,912.01	202.63	202.09	-30.78	-977.95	6,849.30	377.05	142.72	234.33	1.609		
14,400.00	7,236.05	13,927.37	6,912.27	205.44	204.91	-30.77	-977.82	6,949.30	376.82	139.20	237.62	1.586		
14,500.00	7,236.16	14,027.37	6,912.53	208.26	207.74	-30.75	-977.68	7,049.30	376.59	135.68	240.91	1.563		
14,600.00	7,236.27	14,127.37	6,912.80	211.08	210.56	-30.74	-977.55	7,149.30	376.36	132.17	244.19	1.541		
14,700.00	7,236.37	14,227.37	6,913.06	213.90	213.38	-30.73	-977.42	7,249.30	376.13	128.65	247.48	1.520		
14,800.00	7,236.48	14,327.37	6,913.32	216.72	216.20	-30.72	-977.29	7,349.30	375.90	125.14	250.76	1.499 Level 3		
14,900.00	7,236.59	14,427.37	6,913.58	219.55	219.03	-30.70	-977.16	7,449.30	375.67	121.62	254.04	1.479 Level 3		
15,000.00	7,236.69	14,527.37	6,913.84	222.37	221.85	-30.69	-977.02	7,549.30	375.44	118.11	257.32	1.459 Level 3		
15,100.00	7,236.80	14,627.37	6,914.11	225.19	224.68	-30.68	-976.89	7,649.30	375.21	114.60	260.60	1.440 Level 3		
15,200.00	7,236.91	14,727.37	6,914.37	228.02	227.51	-30.67	-976.76	7,749.30	374.98	111.09	263.88	1.421 Level 3		
15,300.00	7,237.02	14,827.37	6,914.63	230.84	230.33	-30.65	-976.63	7,849.29	374.75	107.59	267.16	1.403 Level 3		
15,400.00	7,237.12	14,927.37	6,914.89	233.67	233.16	-30.64	-976.49	7,949.29	374.52	104.08	270.44	1.385 Level 3		
15,500.00	7,237.23	15,027.37	6,915.16	236.50	235.99	-30.63	-976.36	8,049.29	374.29	100.58	273.71	1.367 Level 3		
15,600.00	7,237.34	15,127.37	6,915.42	239.32	238.82	-30.61	-976.23	8,149.29	374.06	97.07	276.98	1.350 Level 3		
15,700.00	7,237.44	15,227.37	6,915.68	242.15	241.65	-30.60	-976.10	8,249.29	373.83	93.57	280.26	1.334 Level 3		
15,800.00	7,237.55	15,327.37	6,915.94	244.98	244.48	-30.59	-975.97	8,349.29	373.60	90.07	283.53	1.318 Level 3		
15,900.00	7,237.66	15,427.37	6,916.20	247.81	247.31	-30.58	-975.83	8,449.29	373.37	86.57	286.79	1.302 Level 3		
16,000.00	7,237.76	15,527.37	6,916.47	250.64	250.14	-30.56	-975.70	8,549.29	373.14	83.08	290.06	1.286 Level 3		
16,100.00	7,237.87	15,627.37	6,916.73	253.47	252.98	-30.55	-975.57	8,649.29	372.91	79.58	293.33	1.271 Level 3		
16,200.00	7,237.98	15,727.37	6,916.99	256.30	255.81	-30.54	-975.44	8,749.29	372.68	76.09	296.59	1.257 Level 3		
16,300.00	7,238.08	15,827.37	6,917.25	259.13	258.64	-30.52	-975.31	8,849.29	372.45	72.59	299.86	1.242 Level 2		
16,400.00	7,238.19	15,927.37	6,917.51	261.96	261.48	-30.51	-975.17	8,949.29	372.22	69.10	303.12	1.228 Level 2		
16,500.00	7,238.30	16,027.37	6,917.78	264.79	264.31	-30.50	-975.04	9,049.29	371.99	65.61	306.38	1.214 Level 2		
16,600.00	7,238.40	16,127.37	6,918.04	267.63	267.14	-30.49	-974.91	9,149.29	371.76	62.12	309.64	1.201 Level 2		
16,700.00	7,238.51	16,227.37	6,918.30	270.46	269.98	-30.47	-974.78	9,249.28	371.53	58.64	312.89	1.187 Level 2		
16,800.00	7,238.62	16,327.37	6,918.56	273.29	272.82	-30.46	-974.65	9,349.28	371.30	55.15	316.15	1.174 Level 2		
16,900.00	7,238.72	16,427.37	6,918.82	276.13	275.65	-30.45	-974.51	9,449.28	371.07	51.67	319.40	1.162 Level 2		
17,000.00	7,238.83	16,527.37	6,919.09	278.96	278.49	-30.43	-974.38	9,549.28	370.84	48.19	322.65	1.149 Level 2		
17,100.00	7,238.94	16,627.37	6,919.35	281.80	281.32	-30.42	-974.25	9,649.28	370.61	44.71	325.90	1.137 Level 2		
17,200.00	7,239.04	16,727.37	6,919.61	284.63	284.16	-30.41	-974.12	9,749.28	370.38	41.23	329.15	1.125 Level 2		
17,300.00	7,239.15	16,827.37	6,919.87	287.47	287.00	-30.39	-973.99	9,849.28	370.15	37.75	332.40	1.114 Level 2		
17,400.00	7,239.26	16,927.37	6,920.14	290.30	289.83	-30.38	-973.85	9,949.28	369.92	34.28	335.65	1.102 Level 2		
17,500.00	7,239.36	17,027.37	6,920.40	293.14	292.67	-30.37	-973.72	10,049.28	369.69	30.80	338.89	1.091 Level 2		
17,600.00	7,239.47	17,127.37	6,920.66	295.98	295.51	-30.36	-973.59	10,149.28	369.46	27.33	342.13	1.080 Level 2		
17,700.00	7,239.58	17,227.37	6,920.92	298.81	298.35	-30.34	-973.46	10,249.28	369.23	23.86	345.37	1.069 Level 2		
17,800.00	7,239.68	17,327.37	6,921.18	301.65	301.19	-30.33	-973.32	10,349.28	369.01	20.39	348.61	1.058 Level 2		
17,900.00	7,239.79	17,427.37	6,921.45	304.49	304.03	-30.32	-973.19	10,449.28	368.78	16.93	351.85	1.048 Level 2		
18,000.00	7,239.90	17,527.37	6,921.71	307.33	306.87	-30.30	-973.06	10,549.28	368.55	13.46	355.08	1.038 Level 2		
18,095.23	7,240.00	17,622.59	6,921.96	310.03	309.57	-30.29	-972.93	10,644.50	368.33	10.16	358.16	1.028 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	179.24	17.54	180.10					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	179.24	17.54	180.10	173.53	6.57	27.414		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	179.24	17.54	180.10	173.42	6.67	26.984 CC, ES		
300.00	299.98	295.24	295.22	3.44	3.44	172.14	180.37	18.65	183.12	176.23	6.89	26.596 SF		
400.00	399.84	389.86	389.72	3.59	3.59	173.20	183.72	21.95	192.22	185.02	7.20	26.683		
500.00	499.45	483.29	482.83	3.79	3.78	174.75	189.22	27.35	207.48	199.86	7.62	27.237		
600.00	598.70	574.95	573.88	4.03	4.00	176.57	196.71	34.72	228.93	220.82	8.11	28.242		
700.00	697.47	664.33	662.30	4.31	4.24	178.44	206.01	43.86	256.56	247.91	8.65	29.662		
800.00	795.62	750.96	747.57	4.64	4.51	-179.75	216.90	54.57	290.27	281.04	9.23	31.450		
900.00	893.06	836.17	830.97	5.00	4.79	-178.07	229.35	66.82	329.83	320.00	9.83	33.561		
1,000.00	989.64	925.77	918.49	5.40	5.10	-176.58	243.02	80.26	373.51	363.06	10.45	35.730		
1,100.00	1,085.27	1,013.80	1,004.49	5.83	5.43	-175.40	256.44	93.46	420.45	409.34	11.10	37.861		
1,200.00	1,179.82	1,100.17	1,088.86	6.29	5.77	-174.46	269.62	106.41	470.52	458.74	11.78	39.955		
1,235.00	1,212.63	1,129.99	1,117.99	6.46	5.89	-174.18	274.16	110.88	488.76	476.74	12.02	40.658		
1,300.00	1,273.43	1,185.16	1,171.88	6.79	6.12	-173.78	282.58	119.16	523.00	510.54	12.46	41.969		
1,400.00	1,366.98	1,270.04	1,254.80	7.30	6.47	-173.26	295.52	131.89	575.70	562.55	13.15	43.771		
1,500.00	1,460.52	1,354.92	1,337.71	7.84	6.83	-172.82	308.46	144.61	628.43	614.57	13.86	45.329		
1,600.00	1,554.07	1,439.80	1,420.63	8.38	7.20	-172.45	321.41	157.34	681.19	666.59	14.59	46.682		
1,700.00	1,647.61	1,524.68	1,503.54	8.93	7.58	-172.14	334.35	170.07	733.96	718.62	15.34	47.860		
1,800.00	1,741.16	1,609.56	1,586.46	9.49	7.96	-171.87	347.30	182.80	786.74	770.65	16.09	48.891		
1,900.00	1,834.70	1,705.57	1,669.37	10.06	8.39	-171.63	360.24	195.53	839.54	822.63	16.91	49.654		
2,000.00	1,928.25	1,779.31	1,752.29	10.63	8.73	-171.42	373.18	208.26	892.34	874.71	17.64	50.597		
2,100.00	2,021.79	1,864.19	1,835.20	11.21	9.12	-171.23	386.13	220.99	945.15	926.73	18.42	51.307		
2,200.00	2,115.33	1,949.07	1,918.11	11.79	9.51	-171.07	399.07	233.72	997.97	978.76	19.21	51.939		
2,300.00	2,208.88	2,033.95	2,001.03	12.37	9.91	-170.92	412.02	246.45	1,050.80	1,030.78	20.01	52.503		
2,400.00	2,302.42	2,118.83	2,083.94	12.96	10.31	-170.78	424.96	259.17	1,103.63	1,082.81	20.82	53.010		
2,500.00	2,395.97	2,203.71	2,166.86	13.55	10.71	-170.66	437.90	271.90	1,156.46	1,134.83	21.63	53.467		
2,600.00	2,489.51	2,288.58	2,249.77	14.14	11.11	-170.55	450.85	284.63	1,209.30	1,186.85	22.44	53.880		
2,700.00	2,583.06	2,373.46	2,332.69	14.74	11.51	-170.44	463.79	297.36	1,262.14	1,238.87	23.26	54.254		
2,800.00	2,676.60	2,458.34	2,415.60	15.34	11.92	-170.35	476.74	310.09	1,314.98	1,290.89	24.09	54.595		
2,900.00	2,770.14	2,543.22	2,498.52	15.93	12.32	-170.26	489.68	322.82	1,367.82	1,342.91	24.91	54.906		
3,000.00	2,863.69	2,628.10	2,581.43	16.53	12.73	-170.18	502.62	335.55	1,420.67	1,394.93	25.74	55.191		
3,100.00	2,957.23	2,712.98	2,664.35	17.13	13.14	-170.10	515.57	348.28	1,473.52	1,446.95	26.57	55.452		
3,200.00	3,050.78	2,802.14	2,747.26	17.74	13.57	-170.03	528.51	361.01	1,526.37	1,498.94	27.43	55.652		
3,300.00	3,144.32	2,882.74	2,830.17	18.34	13.96	-169.97	541.46	373.73	1,579.22	1,550.98	28.24	55.914		
3,400.00	3,237.87	2,967.61	2,913.09	18.94	14.37	-169.91	554.40	386.46	1,632.08	1,602.99	29.08	56.119		
3,500.00	3,331.41	3,052.49	2,996.00	19.55	14.78	-169.85	567.34	399.19	1,684.93	1,655.01	29.92	56.309		
3,600.00	3,424.96	3,137.37	3,078.92	20.15	15.19	-169.80	580.29	411.92	1,737.79	1,707.02	30.77	56.486		
3,666.72	3,487.37	3,206.00	3,134.24	20.56	15.52	-169.76	588.92	420.41	1,773.05	1,741.67	31.38	56.495		
3,700.00	3,518.57	3,222.35	3,161.93	20.76	15.60	-169.82	593.25	424.66	1,790.48	1,758.87	31.61	56.646		
3,800.00	3,613.09	3,308.69	3,246.27	21.34	16.02	-169.96	606.41	437.61	1,840.89	1,808.43	32.45	56.724		
3,900.00	3,708.70	3,403.30	3,332.25	21.90	16.49	-170.06	619.84	450.81	1,888.30	1,854.96	33.33	56.650		
4,000.00	3,805.27	3,486.27	3,419.74	22.44	16.89	-170.13	633.49	464.24	1,932.66	1,898.50	34.15	56.587		
4,100.00	3,902.69	3,577.28	3,508.65	22.95	17.34	-170.17	647.37	477.89	1,973.92	1,938.91	35.01	56.386		
4,200.00	4,000.84	3,669.64	3,598.87	23.43	17.79	-170.18	661.46	491.74	2,012.02	1,976.16	35.86	56.107		
4,300.00	4,099.59	3,763.22	3,690.28	23.89	18.25	-170.17	675.73	505.78	2,046.94	2,010.23	36.71	55.757		
4,400.00	4,198.84	3,857.91	3,782.79	24.32	18.71	-170.12	690.17	519.98	2,078.63	2,041.07	37.56	55.343		
4,500.00	4,298.45	3,953.60	3,876.26	24.73	19.18	-170.06	704.76	534.33	2,107.05	2,068.65	38.40	54.869		
4,600.00	4,398.30	4,050.17	3,970.60	25.11	19.65	-169.97	719.49	548.81	2,132.18	2,092.94	39.24	54.341		
4,701.72	4,500.00	4,149.19	4,067.32	25.45	20.14	23.97	734.59	563.66	2,154.33	2,114.27	40.06	53.776		
4,800.00	4,598.28	4,245.19	4,161.10	25.74	20.61	24.17	749.23	578.06	2,174.09	2,133.24	40.84	53.234		
4,900.00	4,698.28	4,342.88	4,256.53	26.04	21.09	24.36	764.13	592.71	2,194.21	2,152.57	41.64	52.697		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,440.56	4,351.95	26.34	21.57	24.55	779.02	607.35	2,214.35	2,171.91	42.44	52.177		
5,100.00	4,898.28	4,538.25	4,447.38	26.65	22.06	24.74	793.92	622.00	2,234.52	2,191.27	43.24	51.673		
5,200.00	4,998.28	4,635.94	4,542.80	26.96	22.54	24.92	808.82	636.65	2,254.71	2,210.66	44.05	51.184		
5,300.00	5,098.28	4,733.62	4,638.23	27.27	23.02	25.10	823.72	651.30	2,274.92	2,230.06	44.86	50.709		
5,400.00	5,198.28	4,831.31	4,733.66	27.59	23.50	25.28	838.61	665.95	2,295.15	2,249.48	45.68	50.249		
5,500.00	5,298.28	4,928.99	4,829.08	27.91	23.98	25.45	853.51	680.60	2,315.41	2,268.91	46.49	49.802		
5,600.00	5,398.28	5,026.68	4,924.51	28.23	24.47	25.62	868.41	695.25	2,335.68	2,288.37	47.31	49.368		
5,700.00	5,498.28	5,124.37	5,019.93	28.56	24.95	25.79	883.30	709.90	2,355.97	2,307.84	48.13	48.947		
5,800.00	5,598.28	5,222.05	5,115.36	28.89	25.43	25.96	898.20	724.55	2,376.29	2,327.33	48.96	48.538		
5,900.00	5,698.28	5,319.74	5,210.78	29.22	25.91	26.12	913.10	739.20	2,396.62	2,346.84	49.78	48.140		
6,000.00	5,798.28	5,417.42	5,306.21	29.56	26.40	26.28	928.00	753.85	2,416.97	2,366.36	50.61	47.754		
6,100.00	5,898.28	5,515.11	5,401.63	29.90	26.88	26.43	942.89	768.50	2,437.34	2,385.89	51.44	47.379		
6,200.00	5,998.28	5,612.80	5,497.06	30.24	27.36	26.59	957.79	783.15	2,457.72	2,405.45	52.28	47.014		
6,300.00	6,098.28	5,710.48	5,592.48	30.58	27.85	26.74	972.69	797.80	2,478.12	2,425.01	53.11	46.659		
6,400.00	6,198.28	5,808.17	5,687.91	30.92	28.33	26.89	987.58	812.45	2,498.54	2,444.59	53.95	46.314		
6,500.00	6,298.28	5,905.86	5,783.34	31.27	28.81	27.04	1,002.47	827.00	2,518.96	2,464.01	54.78	45.969		
6,600.00	6,398.28	6,003.55	5,878.77	31.62	29.29	27.19	1,017.36	841.55	2,539.37	2,484.42	55.61	45.624		
6,700.00	6,498.28	6,101.24	5,974.18	31.97	29.77	27.34	1,032.25	856.10	2,559.78	2,504.83	56.44	45.279		
6,794.10	6,592.38	6,195.33	6,069.59	32.31	30.25	27.49	1,047.14	870.65	2,580.19	2,525.24	57.27	44.934		
6,800.00	6,598.28	6,201.24	6,075.50	32.33	30.27	27.50	1,048.00	871.50	2,581.00	2,526.00	57.29	44.934		
6,850.00	6,648.21	6,251.17	6,125.43	32.51	30.49	27.59	1,056.38	880.91	2,598.89	2,543.81	57.80	44.724		
6,900.00	6,697.79	6,300.65	6,174.91	32.69	30.71	27.68	1,064.76	890.32	2,616.78	2,561.70	58.41	44.479		
6,950.00	6,746.73	6,349.59	6,223.85	32.86	30.93	27.77	1,073.14	900.73	2,634.67	2,579.59	59.02	44.234		
7,000.00	6,794.71	6,398.53	6,272.79	33.03	31.15	27.86	1,081.52	910.14	2,652.56	2,597.48	59.63	43.989		
7,050.00	6,841.44	6,447.47	6,321.73	33.20	31.37	27.95	1,089.90	919.55	2,670.45	2,615.37	60.24	43.744		
7,100.00	6,886.64	6,496.41	6,370.67	33.35	31.59	28.04	1,098.28	928.96	2,688.34	2,633.26	60.85	43.499		
7,150.00	6,930.03	6,545.35	6,419.61	33.50	31.81	28.13	1,106.66	938.37	2,706.23	2,651.15	61.46	43.254		
7,200.00	6,971.33	6,594.29	6,468.55	33.64	32.03	28.22	1,115.04	947.78	2,724.12	2,669.04	62.07	43.009		
7,250.00	7,010.30	6,643.23	6,517.49	33.77	32.25	28.31	1,123.42	957.19	2,742.01	2,686.93	62.68	42.764		
7,285.19	7,036.19	6,670.12	6,544.38	33.85	32.39	28.36	1,127.31	961.10	2,750.90	2,695.82	62.82	42.700		
7,300.00	7,046.69	6,680.62	6,554.88	33.89	32.49	28.38	1,128.69	962.50	2,754.29	2,699.21	62.94	42.660		
7,350.00	7,080.28	6,729.56	6,593.82	34.00	32.71	28.47	1,137.07	971.91	2,772.18	2,717.10	63.55	42.415		
7,400.00	7,110.86	6,778.50	6,642.76	34.11	32.93	28.56	1,145.45	981.32	2,790.07	2,734.99	64.16	42.170		
7,450.00	7,138.25	6,805.49	6,670.15	34.21	33.15	28.65	1,153.83	990.73	2,807.96	2,752.88	64.77	41.925		
7,500.00	7,162.27	6,832.43	6,697.59	34.32	33.37	28.74	1,162.21	1,000.14	2,825.85	2,770.77	65.38	41.680		
7,550.00	7,182.77	6,859.37	6,724.99	34.43	33.59	28.83	1,170.59	1,009.55	2,843.74	2,788.66	65.99	41.435		
7,600.00	7,199.64	6,886.31	6,752.43	34.57	33.81	28.92	1,178.97	1,018.96	2,861.63	2,806.55	66.60	41.190		
7,650.00	7,212.76	6,913.25	6,780.87	34.76	34.03	29.01	1,187.35	1,028.37	2,879.52	2,824.44	67.21	40.945		
7,700.00	7,222.06	6,940.19	6,808.31	35.02	34.25	29.10	1,195.73	1,037.78	2,897.41	2,842.33	67.82	40.700		
7,750.00	7,227.47	6,967.13	6,835.75	35.37	34.47	29.19	1,204.11	1,047.19	2,915.30	2,860.22	68.43	40.455		
7,793.42	7,229.00	6,974.15	6,842.70	35.74	34.74	29.28	1,212.49	1,056.60	2,933.19	2,878.11	69.04	40.210		
7,800.00	7,229.01	6,974.15	6,842.70	35.80	34.79	29.29	1,213.34	1,057.45	2,934.04	2,879.00	69.09	40.200		
7,900.00	7,229.11	6,974.25	6,842.80	36.91	35.06	29.38	1,221.72	1,066.86	2,951.93	2,896.89	70.70	39.855		
8,000.00	7,229.22	6,974.35	6,842.90	38.28	35.72	29.47	1,230.10	1,076.27	2,969.82	2,914.78	72.31	39.510		
8,100.00	7,229.33	6,974.45	6,843.00	39.83	36.38	29.56	1,238.48	1,085.68	2,987.71	2,932.67	73.92	39.165		
8,163.36	7,229.39	6,974.51	6,843.06	40.90	36.52	29.61	1,244.76	1,091.96	2,999.60	2,944.56	74.53	39.000		
8,200.00	7,229.43	6,974.55	6,843.10	41.53	36.55	29.64	1,248.04	1,095.24	3,002.88	2,947.84	74.64	38.988		
8,300.00	7,229.54	6,974.66	6,843.21	43.36	37.01	29.73	1,256.42	1,104.65	3,020.77	2,965.73	75.86	38.743		
8,400.00	7,229.65	6,974.77	6,843.32	45.30	37.78	29.82	1,264.80	1,114.06	3,038.66	2,983.62	77.29	38.498		
8,500.00	7,229.75	6,974.87	6,843.43	47.33	38.60	29.91	1,273.18	1,123.47	3,056.55	2,999.51	78.86	38.253		
8,600.00	7,229.86	6,974.98	6,843.54	49.45	39.46	29.96	1,281.56	1,132.88	3,074.44	3,015.40	80.54	38.008		
8,700.00	7,229.97	6,975.09	6,843.65	51.64	40.36	29.99	1,289.94	1,142.29	3,092.33	3,031.29	82.28	37.763		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - Boomerang 32C-6-M - OH - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,230.07	6,873.67	6,726.89	53.89	33.27	-77.86	1,146.35	882.69	2,433.55	2,349.52	84.03	28.961				
8,900.00	7,230.18	6,850.00	6,704.97	56.19	33.18	-77.33	1,143.38	891.10	2,454.22	2,368.47	85.75	28.621				
9,000.00	7,230.29	6,835.18	6,691.09	58.55	33.13	-76.99	1,141.48	895.95	2,478.49	2,390.98	87.51	28.322				
9,100.00	7,230.39	6,820.06	6,676.82	60.94	33.08	-76.65	1,139.52	900.56	2,506.32	2,417.12	89.20	28.098				
9,200.00	7,230.50	6,800.00	6,657.74	63.38	33.01	-76.19	1,136.86	906.14	2,537.64	2,446.88	90.75	27.962				
9,300.00	7,230.61	6,800.00	6,657.74	65.85	33.01	-76.19	1,136.86	906.14	2,572.31	2,479.86	92.44	27.826				
9,400.00	7,230.72	6,785.48	6,643.83	68.35	32.95	-75.86	1,134.91	909.79	2,610.24	2,516.36	93.88	27.803				
9,500.00	7,230.82	6,776.56	6,635.24	70.87	32.92	-75.65	1,133.71	911.88	2,651.34	2,556.04	95.30	27.822				
9,600.00	7,230.93	6,768.61	6,627.56	73.42	32.89	-75.47	1,132.62	913.64	2,695.44	2,598.82	96.62	27.896				
9,700.00	7,231.04	6,750.00	6,609.51	75.99	32.83	-75.04	1,130.05	917.38	2,742.50	2,644.76	97.74	28.058				
9,800.00	7,231.14	6,750.00	6,609.51	78.59	32.83	-75.04	1,130.05	917.38	2,792.17	2,693.19	98.98	28.210				
9,900.00	7,231.25	6,750.00	6,609.51	81.19	32.83	-75.04	1,130.05	917.38	2,844.49	2,744.37	100.12	28.410				
10,000.00	7,231.36	6,750.00	6,609.51	83.82	32.83	-75.04	1,130.05	917.38	2,899.32	2,798.14	101.18	28.654				
10,100.00	7,231.46	6,750.00	6,609.51	86.46	32.83	-75.04	1,130.05	917.38	2,956.51	2,854.35	102.16	28.940				
10,200.00	7,231.57	6,750.00	6,609.51	89.11	32.83	-75.04	1,130.05	917.38	3,015.94	2,912.88	103.06	29.263				
10,300.00	7,231.68	6,730.41	6,590.41	91.77	32.76	-74.58	1,127.31	920.74	3,077.22	2,973.53	103.69	29.678				
10,400.00	7,231.78	6,726.61	6,586.70	94.45	32.74	-74.49	1,126.78	921.33	3,140.62	3,036.21	104.41	30.079				
10,500.00	7,231.89	6,723.09	6,583.25	97.14	32.73	-74.41	1,126.28	921.85	3,205.86	3,100.79	105.08	30.510				
10,600.00	7,232.00	6,719.82	6,580.04	99.83	32.72	-74.33	1,125.82	922.31	3,272.85	3,167.17	105.68	30.969				
10,700.00	7,232.10	6,700.00	6,560.58	102.53	32.64	-73.87	1,122.99	924.78	3,341.66	3,235.60	106.06	31.507				
10,800.00	7,232.21	6,700.00	6,560.58	105.25	32.64	-73.87	1,122.99	924.78	3,411.77	3,305.17	106.60	32.005				
10,900.00	7,232.32	6,700.00	6,560.58	107.96	32.64	-73.87	1,122.99	924.78	3,483.33	3,376.24	107.09	32.526				
11,000.00	7,232.42	6,700.00	6,560.58	110.69	32.64	-73.87	1,122.99	924.78	3,556.27	3,448.73	107.54	33.068				
11,100.00	7,232.53	6,700.00	6,560.58	113.42	32.64	-73.87	1,122.99	924.78	3,630.50	3,522.54	107.95	33.630				
11,200.00	7,232.64	6,700.00	6,560.58	116.16	32.64	-73.87	1,122.99	924.78	3,705.94	3,597.61	108.33	34.210				
11,300.00	7,232.74	6,700.00	6,560.58	118.90	32.64	-73.87	1,122.99	924.78	3,782.52	3,673.85	108.67	34.808				
11,400.00	7,232.85	6,700.00	6,560.58	121.65	32.64	-73.87	1,122.99	924.78	3,860.16	3,751.19	108.98	35.422				
11,500.00	7,232.96	6,700.00	6,560.58	124.41	32.64	-73.87	1,122.99	924.78	3,938.82	3,829.56	109.26	36.050				
11,600.00	7,233.06	6,700.00	6,560.58	127.16	32.64	-73.87	1,122.99	924.78	4,018.43	3,908.91	109.52	36.693				
11,700.00	7,233.17	6,700.00	6,560.58	129.92	32.64	-73.87	1,122.99	924.78	4,098.93	3,989.18	109.75	37.348				
11,800.00	7,233.28	6,700.00	6,560.58	132.69	32.64	-73.87	1,122.99	924.78	4,180.27	4,070.31	109.96	38.016				
11,900.00	7,233.38	6,700.00	6,560.58	135.46	32.64	-73.87	1,122.99	924.78	4,262.41	4,152.25	110.15	38.695				
12,000.00	7,233.49	6,700.00	6,560.58	138.23	32.64	-73.87	1,122.99	924.78	4,345.29	4,234.96	110.33	39.385				
12,100.00	7,233.60	6,700.00	6,560.58	141.01	32.64	-73.87	1,122.99	924.78	4,428.89	4,318.40	110.49	40.085				
12,200.00	7,233.71	6,700.00	6,560.58	143.79	32.64	-73.87	1,122.99	924.78	4,513.14	4,402.51	110.63	40.794				
12,300.00	7,233.81	6,700.00	6,560.58	146.57	32.64	-73.87	1,122.99	924.78	4,598.04	4,487.27	110.76	41.512				
12,400.00	7,233.92	6,700.00	6,560.58	149.35	32.64	-73.87	1,122.99	924.78	4,683.52	4,572.64	110.88	42.238				
12,500.00	7,234.03	6,700.00	6,560.58	152.14	32.64	-73.87	1,122.99	924.78	4,769.57	4,658.58	110.99	42.973				
12,600.00	7,234.13	6,700.00	6,560.58	154.93	32.64	-73.87	1,122.99	924.78	4,856.16	4,745.07	111.09	43.714				
12,700.00	7,234.24	6,700.00	6,560.58	157.72	32.64	-73.87	1,122.99	924.78	4,943.25	4,832.07	111.18	44.462				
12,800.00	7,234.35	6,700.00	6,560.58	160.52	32.64	-73.87	1,122.99	924.78	5,030.82	4,919.56	111.26	45.217				
12,900.00	7,234.45	6,700.00	6,560.58	163.31	32.64	-73.87	1,122.99	924.78	5,118.85	5,007.52	111.33	45.978				
13,000.00	7,234.56	6,700.00	6,560.58	166.11	32.64	-73.87	1,122.99	924.78	5,207.31	5,095.91	111.40	46.745				
13,100.00	7,234.67	6,678.06	6,538.97	168.91	32.56	-73.35	1,119.82	926.80	5,295.80	5,184.54	111.27	47.595				
13,200.00	7,234.77	6,677.19	6,538.11	171.71	32.56	-73.33	1,119.69	926.86	5,385.03	5,273.72	111.32	48.376				
13,300.00	7,234.88	6,676.36	6,537.29	174.52	32.55	-73.31	1,119.57	926.92	5,474.63	5,363.27	111.36	49.161				
13,400.00	7,234.99	6,675.55	6,536.49	177.32	32.55	-73.29	1,119.45	926.98	5,564.59	5,453.19	111.40	49.952				
13,500.00	7,235.09	6,674.77	6,535.72	180.13	32.55	-73.27	1,119.34	927.03	5,654.88	5,543.44	111.44	50.746				
13,600.00	7,235.20	6,674.02	6,534.98	182.94	32.54	-73.26	1,119.23	927.08	5,745.49	5,634.02	111.47	51.544				
13,700.00	7,235.31	6,673.30	6,534.27	185.74	32.54	-73.24	1,119.12	927.13	5,836.41	5,724.91	111.50	52.346				
13,800.00	7,235.41	6,672.60	6,533.58	188.56	32.54	-73.22	1,119.02	927.18	5,927.62	5,816.09	111.52	53.152				
13,900.00	7,235.52	6,671.92	6,532.91	191.37	32.54	-73.21	1,118.92	927.22	6,019.10	5,907.56	111.55	53.961				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	6,650.00	6,511.25	194.18	32.45	-72.69	1,115.71	928.28	6,111.22	5,999.84	111.38	54.868		
14,100.00	7,235.73	6,650.00	6,511.25	197.00	32.45	-72.69	1,115.71	928.28	6,203.20	6,091.80	111.41	55.680		
14,200.00	7,235.84	6,650.00	6,511.25	199.81	32.45	-72.69	1,115.71	928.28	6,295.43	6,184.00	111.43	56.496		
14,300.00	7,235.95	6,650.00	6,511.25	202.63	32.45	-72.69	1,115.71	928.28	6,387.90	6,276.45	111.45	57.315		
14,400.00	7,236.05	6,650.00	6,511.25	205.44	32.45	-72.69	1,115.71	928.28	6,480.59	6,369.11	111.47	58.135		
14,500.00	7,236.16	6,650.00	6,511.25	208.26	32.45	-72.69	1,115.71	928.28	6,573.49	6,462.00	111.49	58.959		
14,600.00	7,236.27	6,650.00	6,511.25	211.08	32.45	-72.69	1,115.71	928.28	6,666.60	6,555.09	111.51	59.784		
14,700.00	7,236.37	6,650.00	6,511.25	213.90	32.45	-72.69	1,115.71	928.28	6,759.91	6,648.38	111.53	60.612		
14,800.00	7,236.48	6,650.00	6,511.25	216.72	32.45	-72.69	1,115.71	928.28	6,853.40	6,741.86	111.54	61.441		
14,900.00	7,236.59	6,650.00	6,511.25	219.55	32.45	-72.69	1,115.71	928.28	6,947.08	6,835.52	111.56	62.272		
15,000.00	7,236.69	6,650.00	6,511.25	222.37	32.45	-72.69	1,115.71	928.28	7,040.93	6,929.35	111.57	63.105		
15,100.00	7,236.80	6,650.00	6,511.25	225.19	32.45	-72.69	1,115.71	928.28	7,134.94	7,023.35	111.59	63.940		
15,200.00	7,236.91	6,650.00	6,511.25	228.02	32.45	-72.69	1,115.71	928.28	7,229.12	7,117.52	111.60	64.776		
15,300.00	7,237.02	6,650.00	6,511.25	230.84	32.45	-72.69	1,115.71	928.28	7,323.45	7,211.84	111.61	65.614		
15,400.00	7,237.12	6,650.00	6,511.25	233.67	32.45	-72.69	1,115.71	928.28	7,417.93	7,306.30	111.63	66.452		
15,500.00	7,237.23	6,650.00	6,511.25	236.50	32.45	-72.69	1,115.71	928.28	7,512.55	7,400.91	111.64	67.292		
15,600.00	7,237.34	6,650.00	6,511.25	239.32	32.45	-72.69	1,115.71	928.28	7,607.31	7,495.66	111.65	68.133		
15,700.00	7,237.44	6,650.00	6,511.25	242.15	32.45	-72.69	1,115.71	928.28	7,702.21	7,590.54	111.67	68.975		
15,800.00	7,237.55	6,650.00	6,511.25	244.98	32.45	-72.69	1,115.71	928.28	7,797.23	7,685.55	111.68	69.819		
15,900.00	7,237.66	6,650.00	6,511.25	247.81	32.45	-72.69	1,115.71	928.28	7,892.37	7,780.68	111.69	70.662		
16,000.00	7,237.76	6,650.00	6,511.25	250.64	32.45	-72.69	1,115.71	928.28	7,987.63	7,875.93	111.70	71.507		
16,100.00	7,237.87	6,650.00	6,511.25	253.47	32.45	-72.69	1,115.71	928.28	8,083.01	7,971.29	111.72	72.353		
16,200.00	7,237.98	6,650.00	6,511.25	256.30	32.45	-72.69	1,115.71	928.28	8,178.50	8,066.77	111.73	73.199		
16,300.00	7,238.08	6,650.00	6,511.25	259.13	32.45	-72.69	1,115.71	928.28	8,274.09	8,162.35	111.74	74.045		
16,400.00	7,238.19	6,650.00	6,511.25	261.96	32.45	-72.69	1,115.71	928.28	8,369.79	8,258.03	111.76	74.892		
16,500.00	7,238.30	6,650.00	6,511.25	264.79	32.45	-72.69	1,115.71	928.28	8,465.59	8,353.81	111.77	75.740		
16,600.00	7,238.40	6,650.00	6,511.25	267.63	32.45	-72.69	1,115.71	928.28	8,561.48	8,449.69	111.79	76.588		
16,700.00	7,238.51	6,650.00	6,511.25	270.46	32.45	-72.69	1,115.71	928.28	8,657.46	8,545.66	111.80	77.437		
16,800.00	7,238.62	6,650.00	6,511.25	273.29	32.45	-72.69	1,115.71	928.28	8,753.54	8,641.72	111.82	78.285		
16,900.00	7,238.72	6,650.00	6,511.25	276.13	32.45	-72.69	1,115.71	928.28	8,849.70	8,737.87	111.83	79.134		
17,000.00	7,238.83	6,650.00	6,511.25	278.96	32.45	-72.69	1,115.71	928.28	8,945.95	8,834.10	111.85	79.983		
17,100.00	7,238.94	6,650.00	6,511.25	281.80	32.45	-72.69	1,115.71	928.28	9,042.27	8,930.41	111.86	80.832		
17,200.00	7,239.04	6,650.00	6,511.25	284.63	32.45	-72.69	1,115.71	928.28	9,138.68	9,026.80	111.88	81.682		
17,300.00	7,239.15	6,650.00	6,511.25	287.47	32.45	-72.69	1,115.71	928.28	9,235.16	9,123.27	111.90	82.531		
17,400.00	7,239.26	6,650.00	6,511.25	290.30	32.45	-72.69	1,115.71	928.28	9,331.72	9,219.80	111.92	83.380		
17,500.00	7,239.36	6,650.00	6,511.25	293.14	32.45	-72.69	1,115.71	928.28	9,428.35	9,316.41	111.94	84.230		
17,600.00	7,239.47	6,650.00	6,511.25	295.98	32.45	-72.69	1,115.71	928.28	9,525.05	9,413.09	111.96	85.079		
17,700.00	7,239.58	6,650.00	6,511.25	298.81	32.45	-72.69	1,115.71	928.28	9,621.82	9,509.84	111.98	85.928		
17,800.00	7,239.68	6,650.00	6,511.25	301.65	32.45	-72.69	1,115.71	928.28	9,718.65	9,606.65	112.00	86.777		
17,900.00	7,239.79	6,650.00	6,511.25	304.49	32.45	-72.69	1,115.71	928.28	9,815.54	9,703.52	112.02	87.625		
18,000.00	7,239.90	6,650.00	6,511.25	307.33	32.45	-72.69	1,115.71	928.28	9,912.50	9,800.46	112.04	88.474		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.57	194.18	18.93	195.10					
100.00	100.00	100.00	100.00	3.28	3.28	5.57	194.18	18.93	195.10	188.53	6.57	29.698		
200.00	200.00	200.00	200.00	3.34	3.34	5.57	194.18	18.93	195.10	188.42	6.67	29.232 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	171.81	194.18	18.93	196.82	189.94	6.89	28.587		
400.00	399.84	393.77	393.76	3.59	3.59	172.17	195.50	19.70	203.50	196.30	7.19	28.286 SF		
500.00	499.45	486.63	486.50	3.79	3.78	172.93	199.43	21.98	216.59	208.99	7.60	28.496		
600.00	598.70	578.21	577.77	4.03	4.00	173.96	205.83	25.73	236.07	227.99	8.08	29.207		
700.00	697.47	668.31	667.30	4.31	4.24	175.23	214.27	31.27	261.64	253.02	8.62	30.354		
800.00	795.62	755.90	754.00	4.64	4.50	176.62	224.41	38.53	293.14	283.95	9.19	31.882		
900.00	893.06	840.55	837.39	5.00	4.77	178.02	236.01	47.29	330.46	320.67	9.79	33.738		
1,000.00	989.64	921.90	917.09	5.40	5.05	179.35	248.83	57.33	373.43	363.03	10.40	35.907		
1,100.00	1,085.27	999.64	992.79	5.83	5.33	-179.42	262.58	68.39	421.81	410.80	11.01	38.313		
1,200.00	1,179.82	1,078.47	1,069.11	6.29	5.63	-178.24	277.85	80.88	475.13	463.50	11.63	40.848		
1,235.00	1,212.63	1,107.42	1,097.12	6.46	5.75	-177.85	283.53	85.55	494.62	482.75	11.87	41.682		
1,300.00	1,273.43	1,160.97	1,148.92	6.79	5.97	-177.24	294.04	94.17	531.17	518.88	12.29	43.232		
1,400.00	1,366.98	1,243.36	1,228.61	7.30	6.31	-176.43	310.20	107.43	587.47	574.52	12.95	45.375		
1,500.00	1,460.52	1,325.75	1,308.30	7.84	6.67	-175.77	326.36	120.69	643.84	630.21	13.63	47.240		
1,600.00	1,554.07	1,408.14	1,388.00	8.38	7.03	-175.21	342.52	133.95	700.26	685.93	14.33	48.867		
1,700.00	1,647.61	1,509.47	1,467.69	8.93	7.49	-174.74	358.69	147.21	756.71	741.58	15.13	50.020		
1,800.00	1,741.16	1,572.92	1,547.38	9.49	7.78	-174.33	374.85	160.47	813.20	797.42	15.78	51.541		
1,900.00	1,834.70	1,655.31	1,627.07	10.06	8.16	-173.98	391.01	173.74	869.71	853.19	16.52	52.644		
2,000.00	1,928.25	1,737.70	1,706.77	10.63	8.55	-173.67	407.17	187.00	926.24	908.96	17.27	53.620		
2,100.00	2,021.79	1,820.09	1,786.46	11.21	8.94	-173.39	423.34	200.26	982.78	964.75	18.04	54.488		
2,200.00	2,115.33	1,902.48	1,866.15	11.79	9.34	-173.14	439.50	213.52	1,039.34	1,020.54	18.81	55.262		
2,300.00	2,208.88	1,984.87	1,945.85	12.37	9.73	-172.92	455.66	226.78	1,095.92	1,076.33	19.59	55.955		
2,400.00	2,302.42	2,067.26	2,025.54	12.96	10.13	-172.72	471.82	240.05	1,152.50	1,132.13	20.37	56.578		
2,500.00	2,395.97	2,149.65	2,105.23	13.55	10.54	-172.54	487.99	253.31	1,209.09	1,187.93	21.16	57.139		
2,600.00	2,489.51	2,232.04	2,184.92	14.14	10.94	-172.38	504.15	266.57	1,265.69	1,243.73	21.96	57.648		
2,700.00	2,583.06	2,314.43	2,264.62	14.74	11.35	-172.23	520.31	279.83	1,322.29	1,299.54	22.76	58.109		
2,800.00	2,676.60	2,403.18	2,344.31	15.34	11.79	-172.09	536.47	293.09	1,378.90	1,355.32	23.59	58.455		
2,900.00	2,770.14	2,479.21	2,424.00	15.93	12.17	-171.96	552.64	306.35	1,435.52	1,411.15	24.37	58.913		
3,000.00	2,863.69	2,561.60	2,503.69	16.53	12.58	-171.85	568.80	319.62	1,492.14	1,466.96	25.18	59.264		
3,100.00	2,957.23	2,643.99	2,583.39	17.13	12.99	-171.74	584.96	332.88	1,548.76	1,522.77	25.99	59.587		
3,200.00	3,050.78	2,726.38	2,663.08	17.74	13.41	-171.64	601.12	346.14	1,605.39	1,578.58	26.81	59.884		
3,300.00	3,144.32	2,808.76	2,742.77	18.34	13.82	-171.54	617.29	359.40	1,662.02	1,634.40	27.63	60.158		
3,400.00	3,237.87	2,908.85	2,822.47	18.94	14.33	-171.45	633.45	372.66	1,718.66	1,690.12	28.53	60.233		
3,500.00	3,331.41	2,973.54	2,902.16	19.55	14.65	-171.37	649.61	385.93	1,775.29	1,746.02	29.27	60.647		
3,600.00	3,424.96	3,055.93	2,981.85	20.15	15.07	-171.29	665.77	399.19	1,831.93	1,801.83	30.10	60.865		
3,666.72	3,487.37	3,110.90	3,035.02	20.56	15.35	-171.24	676.56	408.04	1,869.72	1,839.07	30.65	61.002		
3,700.00	3,518.57	3,138.43	3,061.65	20.76	15.49	-171.29	681.96	412.47	1,888.41	1,857.49	30.92	61.065		
3,800.00	3,613.09	3,222.40	3,142.87	21.34	15.92	-171.40	698.43	425.98	1,942.66	1,910.91	31.76	61.176		
3,900.00	3,708.70	3,308.17	3,225.83	21.90	16.35	-171.48	715.25	439.79	1,993.98	1,961.39	32.59	61.183		
4,000.00	3,805.27	3,395.64	3,310.44	22.44	16.80	-171.53	732.41	453.87	2,042.32	2,008.89	33.43	61.089		
4,100.00	3,902.69	3,484.71	3,396.59	22.95	17.25	-171.56	749.89	468.21	2,087.61	2,053.33	34.28	60.905		
4,200.00	4,000.84	3,575.26	3,484.18	23.43	17.72	-171.57	767.65	482.78	2,129.80	2,094.68	35.12	60.639		
4,300.00	4,099.59	3,667.19	3,573.10	23.89	18.19	-171.55	785.68	497.58	2,168.85	2,132.88	35.97	60.298		
4,400.00	4,198.84	3,760.38	3,663.24	24.32	18.66	-171.52	803.96	512.58	2,204.71	2,167.90	36.81	59.889		
4,500.00	4,298.45	3,854.72	3,754.49	24.73	19.15	-171.46	822.47	527.76	2,237.34	2,199.69	37.65	59.418		
4,600.00	4,398.30	3,950.09	3,846.74	25.11	19.64	-171.38	841.18	543.12	2,266.71	2,228.22	38.49	58.889		
4,701.72	4,500.00	4,048.05	3,941.49	25.45	20.14	22.54	860.40	558.88	2,293.20	2,253.88	39.32	58.324		
4,800.00	4,598.28	4,143.11	4,033.44	25.74	20.63	22.72	879.05	574.19	2,317.15	2,277.04	40.10	57.781		
4,900.00	4,698.28	4,239.84	4,127.00	26.04	21.13	22.90	898.02	589.75	2,341.53	2,300.63	40.90	57.244		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,336.56	4,220.56	26.34	21.63	23.07	917.00	605.32	2,365.94	2,324.23	41.71	56.723		
5,100.00	4,898.28	4,433.29	4,314.12	26.65	22.13	23.24	935.97	620.89	2,390.37	2,347.85	42.52	56.217		
5,200.00	4,998.28	4,530.02	4,407.68	26.96	22.62	23.41	954.95	636.46	2,414.82	2,371.48	43.33	55.726		
5,300.00	5,098.28	4,626.74	4,501.25	27.27	23.12	23.57	973.92	652.03	2,439.28	2,395.13	44.15	55.250		
5,400.00	5,198.28	4,723.47	4,594.81	27.59	23.62	23.73	992.90	667.60	2,463.77	2,418.80	44.97	54.788		
5,500.00	5,298.28	4,820.20	4,688.37	27.91	24.12	23.89	1,011.87	683.17	2,488.27	2,442.48	45.79	54.340		
5,600.00	5,398.28	4,916.92	4,781.93	28.23	24.62	24.04	1,030.85	698.74	2,512.79	2,466.17	46.62	53.905		
5,700.00	5,498.28	5,013.65	4,875.49	28.56	25.12	24.19	1,049.82	714.31	2,537.33	2,489.88	47.44	53.482		
5,800.00	5,598.28	5,110.38	4,969.05	28.89	25.62	24.34	1,068.80	729.88	2,561.88	2,513.61	48.27	53.071		
5,900.00	5,698.28	5,207.10	5,062.61	29.22	26.12	24.49	1,087.77	745.45	2,586.45	2,537.34	49.10	52.672		
6,000.00	5,798.28	5,303.83	5,156.17	29.56	26.62	24.63	1,106.75	761.02	2,611.03	2,561.09	49.94	52.284		
6,100.00	5,898.28	5,400.56	5,249.73	29.90	27.12	24.77	1,125.72	776.59	2,635.63	2,584.86	50.78	51.907		
6,200.00	5,998.28	5,502.72	5,343.29	30.24	27.65	24.91	1,144.70	792.16	2,660.25	2,608.61	51.64	51.514		
6,300.00	6,098.28	5,605.99	5,436.85	30.58	28.19	25.04	1,163.67	807.73	2,684.88	2,632.36	52.51	51.127		
6,400.00	6,198.28	5,703.51	5,530.41	30.92	28.72	-2.80	1,182.64	823.30	2,709.50	2,656.97	53.39	50.740		
6,500.00	6,298.28	5,800.00	5,623.96	31.27	29.25	-5.60	1,201.61	838.87	2,734.11	2,681.58	54.27	50.353		
6,600.00	6,398.28	5,896.50	5,717.50	31.62	29.78	-8.40	1,220.58	854.40	2,758.72	2,706.19	55.15	49.966		
6,700.00	6,498.28	5,993.00	5,814.04	31.97	30.31	-11.20	1,239.55	869.93	2,783.33	2,730.80	56.03	49.579		
6,794.10	6,592.38	6,087.52	5,908.58	32.31	30.84	-14.00	1,258.52	885.46	2,807.94	2,755.41	56.91	49.192		
6,800.00	6,598.28	6,094.00	5,914.08	32.65	31.37	-16.80	1,277.49	900.99	2,832.55	2,780.02	57.79	48.805		
6,850.00	6,648.21	6,144.50	5,964.62	33.00	31.90	-19.60	1,296.46	916.52	2,857.16	2,804.63	58.67	48.418		
6,900.00	6,697.79	6,195.00	5,970.16	33.35	32.43	-22.40	1,315.43	932.05	2,881.77	2,829.24	59.55	48.031		
6,950.00	6,746.73	6,245.50	5,975.70	33.70	32.96	-25.20	1,334.40	947.58	2,906.38	2,853.85	60.43	47.644		
7,000.00	6,794.71	6,296.00	5,981.24	34.05	33.49	-28.00	1,353.37	963.11	2,930.99	2,878.46	61.31	47.257		
7,050.00	6,841.44	6,346.50	5,986.78	34.40	34.02	-30.80	1,372.34	978.64	2,955.60	2,903.07	62.19	46.870		
7,094.54	6,881.79	6,397.00	5,992.32	34.75	34.55	-33.60	1,391.31	994.17	2,980.21	2,927.68	63.07	46.483		
7,100.00	6,886.64	6,402.50	5,997.86	35.10	35.08	-36.40	1,410.28	1,009.70	3,004.82	2,952.29	63.95	46.096		
7,150.00	6,930.03	6,453.00	6,003.40	35.45	35.61	-39.20	1,429.25	1,025.23	3,029.43	2,976.90	64.83	45.709		
7,200.00	6,971.33	6,503.50	6,008.94	35.80	36.14	-42.00	1,448.22	1,040.76	3,054.04	3,001.51	65.71	45.322		
7,250.00	7,010.30	6,554.00	6,014.48	36.15	36.67	-44.80	1,467.19	1,056.29	3,078.65	3,026.12	66.59	44.935		
7,300.00	7,046.69	6,604.50	6,020.02	36.50	37.20	-47.60	1,486.16	1,071.82	3,103.26	3,050.73	67.47	44.548		
7,350.00	7,080.28	6,655.00	6,025.56	36.85	37.73	-50.40	1,505.13	1,087.35	3,127.87	3,075.34	68.35	44.161		
7,400.00	7,110.86	6,705.50	6,031.10	37.20	38.26	-53.20	1,524.10	1,102.88	3,152.48	3,100.95	69.23	43.774		
7,450.00	7,138.25	6,756.00	6,036.64	37.55	38.79	-56.00	1,543.07	1,118.41	3,177.09	3,125.56	70.11	43.387		
7,500.00	7,162.27	6,806.50	6,042.18	37.90	39.32	-58.80	1,562.04	1,133.94	3,201.70	3,150.17	71.00	42.999		
7,550.00	7,182.77	6,857.00	6,047.72	38.25	39.85	-61.60	1,581.01	1,149.47	3,226.31	3,174.78	71.88	42.612		
7,600.00	7,199.64	6,907.50	6,053.26	38.60	40.38	-64.40	1,600.00	1,165.00	3,250.92	3,199.39	72.76	42.225		
7,650.00	7,212.76	6,958.00	6,058.80	38.95	40.91	-67.20	1,618.97	1,180.53	3,275.53	3,224.00	73.64	41.838		
7,700.00	7,222.06	6,963.50	6,064.34	39.30	41.44	-70.00	1,637.94	1,196.06	3,300.14	3,248.61	74.52	41.451		
7,750.00	7,227.47	6,969.00	6,069.88	39.65	41.97	-72.80	1,656.91	1,211.59	3,324.75	3,273.22	75.40	41.064		
7,793.42	7,229.00	6,974.50	6,075.42	40.00	42.50	-75.60	1,675.88	1,227.12	3,349.36	3,297.83	76.28	40.677		
7,800.00	7,229.01	6,979.00	6,080.96	40.35	43.03	-78.40	1,694.85	1,242.65	3,373.97	3,322.44	77.16	40.290		
7,900.00	7,229.11	6,984.50	6,086.50	40.70	43.56	-81.20	1,713.82	1,258.18	3,398.58	3,347.05	78.04	39.903		
8,000.00	7,229.22	6,990.00	6,092.04	41.05	44.09	-84.00	1,732.79	1,273.71	3,423.19	3,371.66	78.92	39.516		
8,100.00	7,229.33	6,995.50	6,097.58	41.40	44.62	-86.80	1,751.76	1,289.24	3,447.80	3,396.27	79.80	39.129		
8,200.00	7,229.43	6,996.00	6,103.12	41.75	45.15	-89.60	1,770.73	1,304.77	3,472.41	3,420.88	80.68	38.742		
8,300.00	7,229.54	6,996.50	6,108.66	42.10	45.68	-92.40	1,789.70	1,320.30	3,497.02	3,445.49	81.56	38.355		
8,400.00	7,229.65	6,997.00	6,114.20	42.45	46.21	-95.20	1,808.67	1,335.83	3,521.63	3,470.10	82.44	37.968		
8,500.00	7,229.75	6,997.50	6,119.74	42.80	46.74	-98.00	1,827.64	1,351.36	3,546.24	3,494.71	83.32	37.581		
8,600.00	7,229.86	6,998.00	6,125.28	43.15	47.27	-100.80	1,846.61	1,366.89	3,570.85	3,519.32	84.20	37.194		
8,700.00	7,229.97	6,998.50	6,130.82	43.50	47.80	-103.60	1,865.58	1,382.42	3,595.46	3,543.93	85.08	36.807		
8,800.00	7,230.07	6,999.00	6,136.36	43.85	48.33	-106.40	1,884.55	1,397.95	3,620.07	3,568.54	85.96	36.420		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,750.00	6,553.69	56.19	33.69	-75.30	1,385.90	897.29	2,718.06	2,632.48	85.59	31.759		
9,000.00	7,230.29	6,725.18	6,530.92	58.55	33.60	-74.80	1,381.85	906.30	2,739.61	2,652.29	87.33	31.372		
9,100.00	7,230.39	6,700.00	6,507.49	60.94	33.52	-74.29	1,377.64	914.52	2,764.42	2,675.41	89.01	31.057		
9,200.00	7,230.50	6,700.00	6,507.49	63.38	33.52	-74.29	1,377.64	914.52	2,792.38	2,701.47	90.91	30.715		
9,300.00	7,230.61	6,680.90	6,489.53	65.85	33.46	-73.90	1,374.38	920.12	2,823.45	2,730.92	92.53	30.513		
9,400.00	7,230.72	6,669.71	6,478.93	68.35	33.42	-73.67	1,372.44	923.15	2,857.59	2,763.42	94.16	30.347		
9,500.00	7,230.82	6,650.00	6,460.15	70.87	33.35	-73.26	1,368.98	928.02	2,894.73	2,799.10	95.62	30.273		
9,600.00	7,230.93	6,650.00	6,460.15	73.42	33.35	-73.26	1,368.98	928.02	2,934.64	2,837.42	97.22	30.185		
9,700.00	7,231.04	6,650.00	6,460.15	75.99	33.35	-73.26	1,368.98	928.02	2,977.38	2,878.64	98.74	30.155		
9,800.00	7,231.14	6,650.00	6,460.15	78.59	33.35	-73.26	1,368.98	928.02	3,022.82	2,922.65	100.17	30.178		
9,900.00	7,231.25	6,629.54	6,440.51	81.19	33.28	-72.84	1,365.34	932.45	3,070.63	2,969.34	101.29	30.317		
10,000.00	7,231.36	6,623.68	6,434.86	83.82	33.26	-72.72	1,364.29	933.60	3,120.96	3,018.48	102.49	30.452		
10,100.00	7,231.46	6,618.33	6,429.69	86.46	33.24	-72.60	1,363.33	934.60	3,173.62	3,070.01	103.62	30.629		
10,200.00	7,231.57	6,600.00	6,411.94	89.11	33.18	-72.22	1,359.99	937.70	3,228.59	3,124.07	104.52	30.890		
10,300.00	7,231.68	6,600.00	6,411.94	91.77	33.18	-72.22	1,359.99	937.70	3,285.51	3,179.95	105.56	31.125		
10,400.00	7,231.78	6,600.00	6,411.94	94.45	33.18	-72.22	1,359.99	937.70	3,344.44	3,237.91	106.53	31.394		
10,500.00	7,231.89	6,600.00	6,411.94	97.14	33.18	-72.22	1,359.99	937.70	3,405.30	3,297.86	107.43	31.697		
10,600.00	7,232.00	6,600.00	6,411.94	99.83	33.18	-72.22	1,359.99	937.70	3,467.97	3,359.70	108.27	32.030		
10,700.00	7,232.10	6,600.00	6,411.94	102.53	33.18	-72.22	1,359.99	937.70	3,532.36	3,423.31	109.05	32.392		
10,800.00	7,232.21	6,600.00	6,411.94	105.25	33.18	-72.22	1,359.99	937.70	3,598.37	3,488.60	109.77	32.780		
10,900.00	7,232.32	6,600.00	6,411.94	107.96	33.18	-72.22	1,359.99	937.70	3,665.93	3,555.49	110.44	33.193		
11,000.00	7,232.42	6,600.00	6,411.94	110.69	33.18	-72.22	1,359.99	937.70	3,734.94	3,623.88	111.06	33.629		
11,100.00	7,232.53	6,600.00	6,411.94	113.42	33.18	-72.22	1,359.99	937.70	3,805.33	3,693.69	111.64	34.087		
11,200.00	7,232.64	6,580.27	6,392.74	116.16	33.10	-71.81	1,356.37	940.46	3,876.75	3,764.80	111.96	34.627		
11,300.00	7,232.74	6,578.00	6,390.53	118.90	33.09	-71.76	1,355.95	940.74	3,949.61	3,837.18	112.42	35.131		
11,400.00	7,232.85	6,575.86	6,388.44	121.65	33.09	-71.71	1,355.55	940.99	4,023.62	3,910.76	112.86	35.652		
11,500.00	7,232.96	6,573.84	6,386.47	124.41	33.08	-71.67	1,355.17	941.23	4,098.73	3,985.47	113.26	36.189		
11,600.00	7,233.06	6,571.92	6,384.60	127.16	33.07	-71.63	1,354.82	941.44	4,174.88	4,061.25	113.63	36.741		
11,700.00	7,233.17	6,570.10	6,382.82	129.92	33.06	-71.59	1,354.48	941.64	4,252.01	4,138.04	113.97	37.308		
11,800.00	7,233.28	6,550.00	6,363.16	132.69	32.99	-71.17	1,350.72	943.51	4,330.32	4,216.23	114.09	37.956		
11,900.00	7,233.38	6,550.00	6,363.16	135.46	32.99	-71.17	1,350.72	943.51	4,409.22	4,294.82	114.40	38.543		
12,000.00	7,233.49	6,550.00	6,363.16	138.23	32.99	-71.17	1,350.72	943.51	4,488.97	4,374.28	114.68	39.142		
12,100.00	7,233.60	6,550.00	6,363.16	141.01	32.99	-71.17	1,350.72	943.51	4,569.51	4,454.56	114.95	39.752		
12,200.00	7,233.71	6,550.00	6,363.16	143.79	32.99	-71.17	1,350.72	943.51	4,650.81	4,535.62	115.20	40.373		
12,300.00	7,233.81	6,550.00	6,363.16	146.57	32.99	-71.17	1,350.72	943.51	4,732.83	4,617.40	115.42	41.004		
12,400.00	7,233.92	6,550.00	6,363.16	149.35	32.99	-71.17	1,350.72	943.51	4,815.52	4,699.89	115.63	41.645		
12,500.00	7,234.03	6,550.00	6,363.16	152.14	32.99	-71.17	1,350.72	943.51	4,898.86	4,783.03	115.83	42.295		
12,600.00	7,234.13	6,550.00	6,363.16	154.93	32.99	-71.17	1,350.72	943.51	4,982.81	4,866.81	116.01	42.953		
12,700.00	7,234.24	6,550.00	6,363.16	157.72	32.99	-71.17	1,350.72	943.51	5,067.35	4,951.18	116.17	43.619		
12,800.00	7,234.35	6,550.00	6,363.16	160.52	32.99	-71.17	1,350.72	943.51	5,152.44	5,036.11	116.33	44.293		
12,900.00	7,234.45	6,550.00	6,363.16	163.31	32.99	-71.17	1,350.72	943.51	5,238.06	5,121.59	116.47	44.974		
13,000.00	7,234.56	6,550.00	6,363.16	166.11	32.99	-71.17	1,350.72	943.51	5,324.18	5,207.57	116.60	45.661		
13,100.00	7,234.67	6,550.00	6,363.16	168.91	32.99	-71.17	1,350.72	943.51	5,410.77	5,294.05	116.72	46.355		
13,200.00	7,234.77	6,550.00	6,363.16	171.71	32.99	-71.17	1,350.72	943.51	5,497.82	5,380.98	116.84	47.055		
13,300.00	7,234.88	6,550.00	6,363.16	174.52	32.99	-71.17	1,350.72	943.51	5,585.31	5,468.36	116.94	47.761		
13,400.00	7,234.99	6,550.00	6,363.16	177.32	32.99	-71.17	1,350.72	943.51	5,673.20	5,556.16	117.04	48.472		
13,500.00	7,235.09	6,550.00	6,363.16	180.13	32.99	-71.17	1,350.72	943.51	5,761.50	5,644.36	117.13	49.188		
13,600.00	7,235.20	6,550.00	6,363.16	182.94	32.99	-71.17	1,350.72	943.51	5,850.17	5,732.95	117.22	49.909		
13,700.00	7,235.31	6,550.00	6,363.16	185.74	32.99	-71.17	1,350.72	943.51	5,939.20	5,821.90	117.30	50.634		
13,800.00	7,235.41	6,550.00	6,363.16	188.56	32.99	-71.17	1,350.72	943.51	6,028.57	5,911.20	117.37	51.364		
13,900.00	7,235.52	6,550.00	6,363.16	191.37	32.99	-71.17	1,350.72	943.51	6,118.27	6,000.83	117.44	52.098		
14,000.00	7,235.63	6,550.00	6,363.16	194.18	32.99	-71.17	1,350.72	943.51	6,208.29	6,090.79	117.50	52.836		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,550.00	6,363.16	197.00	32.99	-71.17	1,350.72	943.51	6,298.61	6,181.04	117.56	53.577		
14,200.00	7,235.84	6,550.00	6,363.16	199.81	32.99	-71.17	1,350.72	943.51	6,389.21	6,271.60	117.62	54.322		
14,300.00	7,235.95	6,550.00	6,363.16	202.63	32.99	-71.17	1,350.72	943.51	6,480.10	6,362.43	117.67	55.070		
14,400.00	7,236.05	6,550.00	6,363.16	205.44	32.99	-71.17	1,350.72	943.51	6,571.24	6,453.52	117.72	55.822		
14,500.00	7,236.16	6,550.00	6,363.16	208.26	32.99	-71.17	1,350.72	943.51	6,662.65	6,544.88	117.77	56.576		
14,600.00	7,236.27	6,550.00	6,363.16	211.08	32.99	-71.17	1,350.72	943.51	6,754.29	6,636.48	117.81	57.333		
14,700.00	7,236.37	6,550.00	6,363.16	213.90	32.99	-71.17	1,350.72	943.51	6,846.17	6,728.32	117.85	58.093		
14,800.00	7,236.48	6,550.00	6,363.16	216.72	32.99	-71.17	1,350.72	943.51	6,938.27	6,820.39	117.89	58.855		
14,900.00	7,236.59	6,550.00	6,363.16	219.55	32.99	-71.17	1,350.72	943.51	7,030.59	6,912.67	117.92	59.619		
15,000.00	7,236.69	6,550.00	6,363.16	222.37	32.99	-71.17	1,350.72	943.51	7,123.12	7,005.16	117.96	60.386		
15,100.00	7,236.80	6,550.00	6,363.16	225.19	32.99	-71.17	1,350.72	943.51	7,215.85	7,097.85	117.99	61.155		
15,200.00	7,236.91	6,550.00	6,363.16	228.02	32.99	-71.17	1,350.72	943.51	7,308.76	7,190.74	118.02	61.926		
15,300.00	7,237.02	6,550.00	6,363.16	230.84	32.99	-71.17	1,350.72	943.51	7,401.87	7,283.81	118.05	62.699		
15,400.00	7,237.12	6,550.00	6,363.16	233.67	32.99	-71.17	1,350.72	943.51	7,495.15	7,377.06	118.08	63.473		
15,500.00	7,237.23	6,550.00	6,363.16	236.50	32.99	-71.17	1,350.72	943.51	7,588.60	7,470.49	118.11	64.250		
15,600.00	7,237.34	6,550.00	6,363.16	239.32	32.99	-71.17	1,350.72	943.51	7,682.22	7,564.08	118.14	65.028		
15,700.00	7,237.44	6,550.00	6,363.16	242.15	32.99	-71.17	1,350.72	943.51	7,775.99	7,657.83	118.16	65.807		
15,800.00	7,237.55	6,550.00	6,363.16	244.98	32.99	-71.17	1,350.72	943.51	7,869.92	7,751.73	118.19	66.588		
15,900.00	7,237.66	6,550.00	6,363.16	247.81	32.99	-71.17	1,350.72	943.51	7,964.00	7,845.78	118.21	67.370		
16,000.00	7,237.76	6,550.00	6,363.16	250.64	32.99	-71.17	1,350.72	943.51	8,058.22	7,939.98	118.24	68.153		
16,100.00	7,237.87	6,550.00	6,363.16	253.47	32.99	-71.17	1,350.72	943.51	8,152.57	8,034.31	118.26	68.938		
16,200.00	7,237.98	6,550.00	6,363.16	256.30	32.99	-71.17	1,350.72	943.51	8,247.06	8,128.78	118.28	69.723		
16,300.00	7,238.08	6,550.00	6,363.16	259.13	32.99	-71.17	1,350.72	943.51	8,341.68	8,223.38	118.31	70.510		
16,400.00	7,238.19	6,550.00	6,363.16	261.96	32.99	-71.17	1,350.72	943.51	8,436.42	8,318.10	118.33	71.297		
16,500.00	7,238.30	6,550.00	6,363.16	264.79	32.99	-71.17	1,350.72	943.51	8,531.29	8,412.94	118.35	72.085		
16,600.00	7,238.40	6,550.00	6,363.16	267.63	32.99	-71.17	1,350.72	943.51	8,626.27	8,507.89	118.37	72.875		
16,700.00	7,238.51	6,550.00	6,363.16	270.46	32.99	-71.17	1,350.72	943.51	8,721.36	8,602.96	118.39	73.664		
16,800.00	7,238.62	6,550.00	6,363.16	273.29	32.99	-71.17	1,350.72	943.51	8,816.56	8,698.14	118.41	74.455		
16,900.00	7,238.72	6,550.00	6,363.16	276.13	32.99	-71.17	1,350.72	943.51	8,911.86	8,793.42	118.44	75.246		
17,000.00	7,238.83	6,550.00	6,363.16	278.96	32.99	-71.17	1,350.72	943.51	9,007.27	8,888.81	118.46	76.038		
17,100.00	7,238.94	6,550.00	6,363.16	281.80	32.99	-71.17	1,350.72	943.51	9,102.77	8,984.29	118.48	76.830		
17,200.00	7,239.04	6,550.00	6,363.16	284.63	32.99	-71.17	1,350.72	943.51	9,198.37	9,079.87	118.50	77.623		
17,300.00	7,239.15	6,550.00	6,363.16	287.47	32.99	-71.17	1,350.72	943.51	9,294.07	9,175.54	118.52	78.416		
17,400.00	7,239.26	6,550.00	6,363.16	290.30	32.99	-71.17	1,350.72	943.51	9,389.85	9,271.30	118.54	79.210		
17,500.00	7,239.36	6,550.00	6,363.16	293.14	32.99	-71.17	1,350.72	943.51	9,485.72	9,367.15	118.57	80.004		
17,600.00	7,239.47	6,550.00	6,363.16	295.98	32.99	-71.17	1,350.72	943.51	9,581.67	9,463.08	118.59	80.798		
17,700.00	7,239.58	6,550.00	6,363.16	298.81	32.99	-71.17	1,350.72	943.51	9,677.71	9,559.10	118.61	81.592		
17,800.00	7,239.68	6,550.00	6,363.16	301.65	32.99	-71.17	1,350.72	943.51	9,773.82	9,655.19	118.63	82.387		
17,900.00	7,239.79	6,550.00	6,363.16	304.49	32.99	-71.17	1,350.72	943.51	9,870.02	9,751.36	118.66	83.181		
18,000.00	7,239.90	6,550.00	6,363.16	307.33	32.99	-71.17	1,350.72	943.51	9,966.29	9,847.61	118.68	83.976		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.61	164.30	16.15	165.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.61	164.30	16.15	165.09	158.53	6.57	25.131		
200.00	200.00	200.00	200.00	3.34	3.34	5.61	164.30	16.15	165.09	158.42	6.67	24.737 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	171.87	164.30	16.15	166.82	159.94	6.89	24.230		
400.00	399.84	395.48	395.46	3.59	3.59	172.43	165.39	17.31	173.26	166.07	7.19	24.084 SF		
500.00	499.45	490.07	489.93	3.79	3.78	173.70	168.60	20.76	185.71	178.11	7.60	24.438		
600.00	598.70	583.18	582.72	4.03	4.01	175.42	173.84	26.37	204.24	196.16	8.08	25.271		
700.00	697.47	674.26	673.20	4.31	4.26	177.34	180.95	34.00	228.88	220.25	8.62	26.541		
800.00	795.62	762.83	760.82	4.64	4.52	179.26	189.75	43.43	259.59	250.39	9.21	28.199		
900.00	893.06	848.44	845.10	5.00	4.80	-178.93	200.00	54.42	296.26	286.44	9.81	30.186		
1,000.00	989.64	933.68	928.56	5.40	5.09	-177.26	211.79	67.07	338.53	328.10	10.43	32.451		
1,100.00	1,085.27	1,022.10	1,015.04	5.83	5.42	-175.83	224.37	80.56	384.60	373.51	11.09	34.691		
1,200.00	1,179.82	1,108.88	1,099.91	6.29	5.75	-174.70	236.71	93.80	433.86	422.10	11.76	36.895		
1,235.00	1,212.63	1,138.85	1,129.22	6.46	5.87	-174.36	240.98	98.37	451.83	439.83	12.01	37.636		
1,300.00	1,273.43	1,205.70	1,183.45	6.79	6.14	-173.88	248.87	106.83	485.57	473.07	12.49	38.872		
1,400.00	1,366.98	1,279.62	1,266.89	7.30	6.44	-173.25	261.00	119.84	537.51	524.37	13.14	40.906		
1,500.00	1,460.52	1,364.93	1,350.33	7.84	6.80	-172.73	273.14	132.86	589.49	575.64	13.85	42.551		
1,600.00	1,554.07	1,450.25	1,433.77	8.38	7.17	-172.29	285.28	145.87	641.51	626.92	14.59	43.983		
1,700.00	1,647.61	1,535.56	1,517.21	8.93	7.54	-171.92	297.41	158.89	693.54	678.21	15.33	45.236		
1,800.00	1,741.16	1,620.88	1,600.65	9.49	7.92	-171.60	309.55	171.90	745.60	729.51	16.09	46.337		
1,900.00	1,834.70	1,706.20	1,684.08	10.06	8.30	-171.33	321.69	184.92	797.67	780.81	16.86	47.308		
2,000.00	1,928.25	1,791.51	1,767.52	10.63	8.69	-171.08	333.83	197.94	849.75	832.11	17.64	48.168		
2,100.00	2,021.79	1,876.83	1,850.96	11.21	9.08	-170.87	345.96	210.95	901.84	883.41	18.43	48.933		
2,200.00	2,115.33	1,962.14	1,934.40	11.79	9.47	-170.68	358.10	223.97	953.94	934.71	19.23	49.616		
2,300.00	2,208.88	2,047.46	2,017.84	12.37	9.86	-170.50	370.24	236.98	1,006.04	986.01	20.03	50.229		
2,400.00	2,302.42	2,132.77	2,101.28	12.96	10.26	-170.35	382.37	250.00	1,058.16	1,037.32	20.84	50.780		
2,500.00	2,395.97	2,218.09	2,184.71	13.55	10.66	-170.21	394.51	263.01	1,110.27	1,088.62	21.65	51.279		
2,600.00	2,489.51	2,303.40	2,268.15	14.14	11.06	-170.08	406.65	276.03	1,162.39	1,139.92	22.47	51.731		
2,700.00	2,583.06	2,388.72	2,351.59	14.74	11.46	-169.97	418.78	289.04	1,214.52	1,191.23	23.29	52.142		
2,800.00	2,676.60	2,474.03	2,435.03	15.34	11.87	-169.86	430.92	302.06	1,266.65	1,242.53	24.12	52.517		
2,900.00	2,770.14	2,559.35	2,518.47	15.93	12.27	-169.76	443.06	315.07	1,318.78	1,293.83	24.95	52.860		
3,000.00	2,863.69	2,644.66	2,601.91	16.53	12.68	-169.67	455.20	328.09	1,370.91	1,345.13	25.78	53.175		
3,100.00	2,957.23	2,729.98	2,685.34	17.13	13.09	-169.58	467.33	341.10	1,423.05	1,396.43	26.62	53.465		
3,200.00	3,050.78	2,815.29	2,768.78	17.74	13.50	-169.50	479.47	354.12	1,475.19	1,447.74	27.45	53.733		
3,300.00	3,144.32	2,900.61	2,852.22	18.34	13.91	-169.43	491.61	367.13	1,527.33	1,499.04	28.29	53.980		
3,400.00	3,237.87	2,985.92	2,935.66	18.94	14.32	-169.36	503.74	380.15	1,579.47	1,550.34	29.14	54.209		
3,500.00	3,331.41	3,071.24	3,019.10	19.55	14.73	-169.30	515.88	393.17	1,631.62	1,601.64	29.98	54.422		
3,600.00	3,424.96	3,156.55	3,102.54	20.15	15.14	-169.24	528.02	406.18	1,683.76	1,652.94	30.83	54.620		
3,666.72	3,487.37	3,213.47	3,158.21	20.56	15.41	-169.20	536.12	414.86	1,718.55	1,687.16	31.39	54.745		
3,700.00	3,518.57	3,241.97	3,186.07	20.76	15.55	-169.26	540.17	419.21	1,735.75	1,704.07	31.67	54.801		
3,800.00	3,613.09	3,328.72	3,270.92	21.34	15.97	-169.40	552.51	432.45	1,785.43	1,752.91	32.52	54.899		
3,900.00	3,708.70	3,417.11	3,357.36	21.90	16.40	-169.50	565.09	445.93	1,832.12	1,798.74	33.37	54.897		
4,000.00	3,805.27	3,507.03	3,445.30	22.44	16.84	-169.56	577.88	459.65	1,875.75	1,841.52	34.23	54.801		
4,100.00	3,902.69	3,598.37	3,534.63	22.95	17.28	-169.60	590.87	473.58	1,916.27	1,881.18	35.08	54.619		
4,200.00	4,000.84	3,708.99	3,625.24	23.43	17.82	-169.60	604.05	487.72	1,953.63	1,917.61	36.02	54.232		
4,300.00	4,099.59	3,784.85	3,717.02	23.89	18.19	-169.58	617.40	502.03	1,987.81	1,951.01	36.79	54.028		
4,400.00	4,198.84	3,879.77	3,809.85	24.32	18.65	-169.53	630.90	516.51	2,018.75	1,981.11	37.64	53.632		
4,500.00	4,298.45	3,975.66	3,903.63	24.73	19.12	-169.45	644.55	531.14	2,046.42	2,007.94	38.48	53.177		
4,600.00	4,398.30	4,072.39	3,998.23	25.11	19.59	-169.35	658.31	545.90	2,070.81	2,031.49	39.32	52.666		
4,701.72	4,500.00	4,171.54	4,095.20	25.45	20.08	24.61	672.41	561.02	2,092.21	2,052.07	40.14	52.117		
4,800.00	4,598.28	4,267.66	4,189.20	25.74	20.55	24.82	686.09	575.69	2,111.24	2,070.32	40.92	51.591		
4,900.00	4,698.28	4,365.46	4,284.85	26.04	21.03	25.03	700.00	590.61	2,130.63	2,088.91	41.72	51.070		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - Boomerang 32N-6C-M - OH - Plan #1		Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,798.28	4,463.26	4,380.50	26.34	21.51	25.24	713.91	605.53	2,150.05	2,107.53	42.52	50.565				
5,100.00	4,898.28	4,561.06	4,476.15	26.65	21.99	25.44	727.82	620.45	2,169.49	2,126.17	43.32	50.075				
5,200.00	4,998.28	4,658.86	4,571.80	26.96	22.47	25.64	741.74	635.37	2,188.96	2,144.83	44.13	49.600				
5,300.00	5,098.28	4,756.66	4,667.45	27.27	22.95	25.84	755.65	650.29	2,208.46	2,163.52	44.94	49.140				
5,400.00	5,198.28	4,854.46	4,763.09	27.59	23.43	26.03	769.56	665.21	2,227.98	2,182.23	45.76	48.693				
5,500.00	5,298.28	4,952.26	4,858.74	27.91	23.91	26.22	783.48	680.13	2,247.53	2,200.95	46.57	48.259				
5,600.00	5,398.28	5,050.06	4,954.39	28.23	24.39	26.41	797.39	695.05	2,267.09	2,219.70	47.39	47.838				
5,700.00	5,498.28	5,147.86	5,050.04	28.56	24.87	26.59	811.30	709.97	2,286.68	2,238.47	48.21	47.430				
5,800.00	5,598.28	5,245.66	5,145.69	28.89	25.35	26.77	825.22	724.89	2,306.30	2,257.26	49.04	47.033				
5,900.00	5,698.28	5,343.46	5,241.34	29.22	25.83	26.95	839.13	739.81	2,325.93	2,276.07	49.86	46.648				
6,000.00	5,798.28	5,441.26	5,336.99	29.56	26.31	27.12	853.04	754.73	2,345.59	2,294.90	50.69	46.273				
6,100.00	5,898.28	5,539.06	5,432.64	29.90	26.79	27.29	866.96	769.65	2,365.27	2,313.75	51.52	45.910				
6,200.00	5,998.28	5,636.86	5,528.28	30.24	27.27	27.46	880.87	784.57	2,384.96	2,332.61	52.35	45.556				
6,300.00	6,098.28	5,734.66	5,623.93	30.58	27.76	27.63	894.78	799.49	2,404.68	2,351.49	53.19	45.212				
6,400.00	6,198.28	5,832.46	5,719.51	30.92	28.24	27.80	908.69	814.41	2,424.40	2,371.21	54.02	44.868				
6,500.00	6,298.28	5,930.26	5,815.09	31.27	28.71	27.97	922.60	829.33	2,444.12	2,390.93	54.85	44.524				
6,600.00	6,398.28	6,028.06	5,909.67	31.62	29.19	28.14	936.51	844.25	2,463.84	2,410.65	55.68	44.180				
6,700.00	6,498.28	6,125.86	6,000.25	31.97	29.67	28.31	950.42	859.17	2,483.56	2,430.37	56.51	43.836				
6,794.10	6,592.38	6,186.10	6,008.55	32.31	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
6,800.00	6,598.28	6,186.02	6,008.55	32.33	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
6,850.00	6,648.21	6,183.11	6,008.58	32.51	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
6,900.00	6,697.79	6,176.31	6,008.65	32.69	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
6,950.00	6,746.73	6,165.64	6,008.75	32.86	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,000.00	6,794.71	6,151.18	6,008.89	33.03	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,050.00	6,841.44	6,133.01	6,009.06	33.20	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,100.00	6,886.64	6,111.25	6,009.27	33.35	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,150.00	6,930.03	6,086.03	6,009.52	33.50	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,166.05	6,943.52	6,077.23	6,009.60	33.55	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,200.00	6,971.33	6,057.50	6,009.79	33.64	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,250.00	7,010.30	6,025.85	6,010.10	33.77	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,300.00	7,046.69	6,008.73	6,010.43	33.89	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,350.00	7,080.28	5,953.96	6,010.79	34.00	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,400.00	7,110.86	5,914.17	6,011.18	34.11	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,450.00	7,138.25	5,872.13	6,011.58	34.21	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,500.00	7,162.27	5,828.10	6,012.01	34.32	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,550.00	7,182.77	5,782.36	6,012.45	34.43	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,600.00	7,199.64	5,735.20	6,012.90	34.57	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,650.00	7,212.76	5,686.88	6,013.37	34.76	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,700.00	7,222.06	5,637.73	6,013.84	35.02	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,750.00	7,227.47	5,588.04	6,014.32	35.37	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,793.42	7,229.00	5,544.68	6,014.74	35.74	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,800.00	7,229.01	5,538.11	6,014.80	35.80	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
7,900.00	7,229.11	5,424.49	6,009.17	36.91	30.15	28.48	964.33	874.09	2,503.28	2,450.09	57.34	43.492				
8,000.00	7,229.22	5,312.61	6,984.55	38.28	35.54	-83.82	1,067.34	465.46	2,273.20	2,200.25	72.94	31.164				
8,100.00	7,229.33	5,211.87	6,946.53	39.83	34.71	-82.86	1,066.41	558.63	2,276.64	2,203.18	73.46	30.994				
8,200.00	7,229.43	5,124.86	6,902.34	41.53	34.12	-81.75	1,063.78	633.46	2,280.77	2,206.47	74.30	30.695				
8,300.00	7,229.54	5,051.56	6,857.57	43.36	33.70	-80.62	1,060.28	691.35	2,286.39	2,210.98	75.41	30.319				
8,400.00	7,229.65	4,990.48	6,815.46	45.30	33.40	-79.56	1,056.50	735.40	2,294.14	2,217.42	76.72	29.904				
8,500.00	7,229.75	4,939.68	6,777.40	47.33	33.17	-78.61	1,052.79	768.81	2,304.54	2,226.38	78.16	29.486				
8,600.00	7,229.86	4,890.00	6,745.92	49.45	33.00	-77.82	1,049.55	792.73	2,317.95	2,238.23	79.72	29.076				
8,700.00	7,229.97	4,861.65	6,714.15	51.64	32.85	-77.02	1,046.14	813.94	2,334.61	2,253.33	81.28	28.722				
8,800.00	7,230.07	4,831.46	6,688.29	53.89	32.73	-76.38	1,043.28	829.26	2,354.66	2,271.77	82.90	28.405				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,800.00	6,660.63	56.19	32.61	-75.69	1,040.14	843.89	2,378.20	2,293.75	84.45	28.163		
9,000.00	7,230.29	6,783.44	6,645.79	58.55	32.55	-75.32	1,038.42	851.04	2,405.19	2,319.09	86.10	27.935		
9,100.00	7,230.39	6,764.13	6,628.27	60.94	32.48	-74.89	1,036.36	858.88	2,435.64	2,347.99	87.65	27.788		
9,200.00	7,230.50	6,750.00	6,615.30	63.38	32.43	-74.57	1,034.82	864.28	2,469.49	2,380.31	89.18	27.692		
9,300.00	7,230.61	6,732.35	6,598.94	65.85	32.37	-74.16	1,032.85	870.61	2,506.63	2,416.05	90.58	27.673		
9,400.00	7,230.72	6,719.14	6,586.59	68.35	32.32	-73.86	1,031.35	875.05	2,546.98	2,455.03	91.94	27.701		
9,500.00	7,230.82	6,700.00	6,568.54	70.87	32.25	-73.41	1,029.13	881.02	2,590.43	2,497.28	93.15	27.809		
9,600.00	7,230.93	6,700.00	6,568.54	73.42	32.25	-73.41	1,029.13	881.02	2,636.77	2,542.29	94.48	27.909		
9,700.00	7,231.04	6,700.00	6,568.54	75.99	32.25	-73.41	1,029.13	881.02	2,686.04	2,590.33	95.72	28.063		
9,800.00	7,231.14	6,678.60	6,548.17	78.59	32.17	-72.91	1,026.60	887.05	2,737.81	2,641.18	96.63	28.332		
9,900.00	7,231.25	6,670.74	6,540.64	81.19	32.14	-72.73	1,025.65	889.09	2,792.22	2,694.61	97.61	28.605		
10,000.00	7,231.36	6,650.00	6,520.65	83.82	32.07	-72.24	1,023.12	894.02	2,849.14	2,750.77	98.37	28.964		
10,100.00	7,231.46	6,650.00	6,520.65	86.46	32.07	-72.24	1,023.12	894.02	2,908.14	2,808.86	99.28	29.293		
10,200.00	7,231.57	6,650.00	6,520.65	89.11	32.07	-72.24	1,023.12	894.02	2,969.33	2,869.22	100.11	29.660		
10,300.00	7,231.68	6,650.00	6,520.65	91.77	32.07	-72.24	1,023.12	894.02	3,032.59	2,931.71	100.88	30.062		
10,400.00	7,231.78	6,650.00	6,520.65	94.45	32.07	-72.24	1,023.12	894.02	3,097.79	2,996.21	101.58	30.497		
10,500.00	7,231.89	6,650.00	6,520.65	97.14	32.07	-72.24	1,023.12	894.02	3,164.80	3,062.58	102.22	30.962		
10,600.00	7,232.00	6,630.87	6,502.09	99.83	32.00	-71.78	1,020.73	897.99	3,233.27	3,130.66	102.61	31.510		
10,700.00	7,232.10	6,626.70	6,498.03	102.53	31.98	-71.69	1,020.21	898.78	3,303.46	3,200.35	103.11	32.040		
10,800.00	7,232.21	6,622.80	6,494.23	105.25	31.97	-71.59	1,019.72	899.49	3,375.13	3,271.57	103.56	32.592		
10,900.00	7,232.32	6,619.15	6,490.67	107.96	31.96	-71.51	1,019.26	900.14	3,448.19	3,344.22	103.97	33.166		
11,000.00	7,232.42	6,600.00	6,471.92	110.69	31.89	-71.05	1,016.81	903.20	3,522.73	3,418.55	104.18	33.813		
11,100.00	7,232.53	6,600.00	6,471.92	113.42	31.89	-71.05	1,016.81	903.20	3,598.26	3,493.71	104.56	34.415		
11,200.00	7,232.64	6,600.00	6,471.92	116.16	31.89	-71.05	1,016.81	903.20	3,674.96	3,570.07	104.90	35.034		
11,300.00	7,232.74	6,600.00	6,471.92	118.90	31.89	-71.05	1,016.81	903.20	3,752.76	3,647.56	105.21	35.671		
11,400.00	7,232.85	6,600.00	6,471.92	121.65	31.89	-71.05	1,016.81	903.20	3,831.59	3,726.10	105.49	36.323		
11,500.00	7,232.96	6,600.00	6,471.92	124.41	31.89	-71.05	1,016.81	903.20	3,911.38	3,805.64	105.74	36.990		
11,600.00	7,233.06	6,600.00	6,471.92	127.16	31.89	-71.05	1,016.81	903.20	3,992.09	3,886.11	105.97	37.670		
11,700.00	7,233.17	6,600.00	6,471.92	129.92	31.89	-71.05	1,016.81	903.20	4,073.65	3,967.46	106.19	38.363		
11,800.00	7,233.28	6,600.00	6,471.92	132.69	31.89	-71.05	1,016.81	903.20	4,156.02	4,049.64	106.38	39.069		
11,900.00	7,233.38	6,600.00	6,471.92	135.46	31.89	-71.05	1,016.81	903.20	4,239.14	4,132.59	106.55	39.785		
12,000.00	7,233.49	6,600.00	6,471.92	138.23	31.89	-71.05	1,016.81	903.20	4,322.98	4,216.27	106.71	40.512		
12,100.00	7,233.60	6,600.00	6,471.92	141.01	31.89	-71.05	1,016.81	903.20	4,407.50	4,300.65	106.85	41.248		
12,200.00	7,233.71	6,600.00	6,471.92	143.79	31.89	-71.05	1,016.81	903.20	4,492.65	4,385.67	106.98	41.994		
12,300.00	7,233.81	6,600.00	6,471.92	146.57	31.89	-71.05	1,016.81	903.20	4,578.40	4,471.30	107.10	42.748		
12,400.00	7,233.92	6,600.00	6,471.92	149.35	31.89	-71.05	1,016.81	903.20	4,664.72	4,557.51	107.21	43.510		
12,500.00	7,234.03	6,600.00	6,471.92	152.14	31.89	-71.05	1,016.81	903.20	4,751.57	4,644.27	107.31	44.280		
12,600.00	7,234.13	6,600.00	6,471.92	154.93	31.89	-71.05	1,016.81	903.20	4,838.94	4,731.54	107.40	45.057		
12,700.00	7,234.24	6,578.61	6,450.89	157.72	31.81	-70.54	1,014.03	905.95	4,926.42	4,819.12	107.30	45.913		
12,800.00	7,234.35	6,577.20	6,449.51	160.52	31.80	-70.51	1,013.84	906.10	5,014.67	4,907.31	107.36	46.708		
12,900.00	7,234.45	6,575.86	6,448.18	163.31	31.80	-70.47	1,013.67	906.25	5,103.35	4,995.93	107.42	47.509		
13,000.00	7,234.56	6,574.56	6,446.90	166.11	31.79	-70.44	1,013.50	906.39	5,192.44	5,084.97	107.47	48.315		
13,100.00	7,234.67	6,573.31	6,445.67	168.91	31.79	-70.41	1,013.33	906.52	5,281.92	5,174.40	107.52	49.126		
13,200.00	7,234.77	6,572.11	6,444.48	171.71	31.78	-70.39	1,013.17	906.64	5,371.76	5,264.20	107.56	49.942		
13,300.00	7,234.88	6,550.00	6,422.65	174.52	31.70	-69.86	1,010.24	908.50	5,462.31	5,354.88	107.42	50.849		
13,400.00	7,234.99	6,550.00	6,422.65	177.32	31.70	-69.86	1,010.24	908.50	5,552.80	5,445.33	107.47	51.670		
13,500.00	7,235.09	6,550.00	6,422.65	180.13	31.70	-69.86	1,010.24	908.50	5,643.62	5,536.11	107.51	52.495		
13,600.00	7,235.20	6,550.00	6,422.65	182.94	31.70	-69.86	1,010.24	908.50	5,734.74	5,627.19	107.55	53.323		
13,700.00	7,235.31	6,550.00	6,422.65	185.74	31.70	-69.86	1,010.24	908.50	5,826.15	5,718.57	107.58	54.155		
13,800.00	7,235.41	6,550.00	6,422.65	188.56	31.70	-69.86	1,010.24	908.50	5,917.84	5,810.22	107.62	54.991		
13,900.00	7,235.52	6,550.00	6,422.65	191.37	31.70	-69.86	1,010.24	908.50	6,009.79	5,902.15	107.65	55.830		
14,000.00	7,235.63	6,550.00	6,422.65	194.18	31.70	-69.86	1,010.24	908.50	6,102.00	5,994.33	107.67	56.671		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,550.00	6,422.65	197.00	31.70	-69.86	1,010.24	908.50	6,194.45	6,086.75	107.70	57.516		
14,200.00	7,235.84	6,550.00	6,422.65	199.81	31.70	-69.86	1,010.24	908.50	6,287.13	6,179.41	107.72	58.363		
14,300.00	7,235.95	6,550.00	6,422.65	202.63	31.70	-69.86	1,010.24	908.50	6,380.04	6,272.29	107.75	59.213		
14,400.00	7,236.05	6,550.00	6,422.65	205.44	31.70	-69.86	1,010.24	908.50	6,473.15	6,365.38	107.77	60.065		
14,500.00	7,236.16	6,550.00	6,422.65	208.26	31.70	-69.86	1,010.24	908.50	6,566.47	6,458.68	107.79	60.920		
14,600.00	7,236.27	6,550.00	6,422.65	211.08	31.70	-69.86	1,010.24	908.50	6,659.98	6,552.17	107.81	61.776		
14,700.00	7,236.37	6,550.00	6,422.65	213.90	31.70	-69.86	1,010.24	908.50	6,753.67	6,645.85	107.83	62.634		
14,800.00	7,236.48	6,550.00	6,422.65	216.72	31.70	-69.86	1,010.24	908.50	6,847.55	6,739.70	107.84	63.495		
14,900.00	7,236.59	6,550.00	6,422.65	219.55	31.70	-69.86	1,010.24	908.50	6,941.59	6,833.73	107.86	64.356		
15,000.00	7,236.69	6,550.00	6,422.65	222.37	31.70	-69.86	1,010.24	908.50	7,035.80	6,927.92	107.88	65.220		
15,100.00	7,236.80	6,550.00	6,422.65	225.19	31.70	-69.86	1,010.24	908.50	7,130.17	7,022.28	107.89	66.084		
15,200.00	7,236.91	6,550.00	6,422.65	228.02	31.70	-69.86	1,010.24	908.50	7,224.69	7,116.78	107.91	66.951		
15,300.00	7,237.02	6,550.00	6,422.65	230.84	31.70	-69.86	1,010.24	908.50	7,319.35	7,211.43	107.93	67.818		
15,400.00	7,237.12	6,550.00	6,422.65	233.67	31.70	-69.86	1,010.24	908.50	7,414.16	7,306.22	107.94	68.686		
15,500.00	7,237.23	6,550.00	6,422.65	236.50	31.70	-69.86	1,010.24	908.50	7,509.10	7,401.14	107.96	69.556		
15,600.00	7,237.34	6,550.00	6,422.65	239.32	31.70	-69.86	1,010.24	908.50	7,604.17	7,496.19	107.97	70.426		
15,700.00	7,237.44	6,550.00	6,422.65	242.15	31.70	-69.86	1,010.24	908.50	7,699.36	7,591.37	107.99	71.298		
15,800.00	7,237.55	6,550.00	6,422.65	244.98	31.70	-69.86	1,010.24	908.50	7,794.68	7,686.67	108.00	72.170		
15,900.00	7,237.66	6,550.00	6,422.65	247.81	31.70	-69.86	1,010.24	908.50	7,890.11	7,782.09	108.02	73.043		
16,000.00	7,237.76	6,550.00	6,422.65	250.64	31.70	-69.86	1,010.24	908.50	7,985.65	7,877.61	108.04	73.916		
16,100.00	7,237.87	6,550.00	6,422.65	253.47	31.70	-69.86	1,010.24	908.50	8,081.30	7,973.25	108.05	74.790		
16,200.00	7,237.98	6,550.00	6,422.65	256.30	31.70	-69.86	1,010.24	908.50	8,177.05	8,068.99	108.07	75.665		
16,300.00	7,238.08	6,550.00	6,422.65	259.13	31.70	-69.86	1,010.24	908.50	8,272.91	8,164.82	108.09	76.540		
16,400.00	7,238.19	6,550.00	6,422.65	261.96	31.70	-69.86	1,010.24	908.50	8,368.86	8,260.76	108.10	77.415		
16,500.00	7,238.30	6,550.00	6,422.65	264.79	31.70	-69.86	1,010.24	908.50	8,464.91	8,356.79	108.12	78.291		
16,600.00	7,238.40	6,550.00	6,422.65	267.63	31.70	-69.86	1,010.24	908.50	8,561.04	8,452.90	108.14	79.167		
16,700.00	7,238.51	6,550.00	6,422.65	270.46	31.70	-69.86	1,010.24	908.50	8,657.27	8,549.11	108.16	80.043		
16,800.00	7,238.62	6,550.00	6,422.65	273.29	31.70	-69.86	1,010.24	908.50	8,753.57	8,645.40	108.18	80.919		
16,900.00	7,238.72	6,550.00	6,422.65	276.13	31.70	-69.86	1,010.24	908.50	8,849.96	8,741.77	108.20	81.796		
17,000.00	7,238.83	6,550.00	6,422.65	278.96	31.70	-69.86	1,010.24	908.50	8,946.43	8,838.22	108.22	82.672		
17,100.00	7,238.94	6,550.00	6,422.65	281.80	31.70	-69.86	1,010.24	908.50	9,042.98	8,934.74	108.24	83.549		
17,200.00	7,239.04	6,550.00	6,422.65	284.63	31.70	-69.86	1,010.24	908.50	9,139.60	9,031.34	108.26	84.425		
17,300.00	7,239.15	6,550.00	6,422.65	287.47	31.70	-69.86	1,010.24	908.50	9,236.29	9,128.01	108.28	85.301		
17,400.00	7,239.26	6,550.00	6,422.65	290.30	31.70	-69.86	1,010.24	908.50	9,333.06	9,224.75	108.30	86.177		
17,500.00	7,239.36	6,550.00	6,422.65	293.14	31.70	-69.86	1,010.24	908.50	9,429.88	9,321.56	108.32	87.053		
17,600.00	7,239.47	6,550.00	6,422.65	295.98	31.70	-69.86	1,010.24	908.50	9,526.78	9,418.43	108.35	87.929		
17,700.00	7,239.58	6,550.00	6,422.65	298.81	31.70	-69.86	1,010.24	908.50	9,623.74	9,515.37	108.37	88.805		
17,800.00	7,239.68	6,550.00	6,422.65	301.65	31.70	-69.86	1,010.24	908.50	9,720.76	9,612.36	108.39	89.680		
17,900.00	7,239.79	6,550.00	6,422.65	304.49	31.70	-69.86	1,010.24	908.50	9,817.84	9,709.42	108.42	90.554		
18,000.00	7,239.90	6,550.00	6,422.65	307.33	31.70	-69.86	1,010.24	908.50	9,914.98	9,806.53	108.44	91.429		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.63	104.56	10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.63	104.56	10.30	105.06	98.49	6.57	15.993		
200.00	200.00	200.00	200.00	3.34	3.34	5.63	104.56	10.30	105.06	98.39	6.67	15.742 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	171.93	104.56	10.30	106.79	99.91	6.89	15.511 SF		
400.00	399.84	399.48	399.46	3.59	3.60	173.17	104.51	12.03	112.13	104.94	7.19	15.592		
500.00	499.45	498.38	498.22	3.79	3.80	176.07	104.38	17.16	121.44	113.85	7.59	16.005		
600.00	598.70	596.24	595.71	4.03	4.03	179.99	104.16	25.60	135.17	127.10	8.07	16.759		
700.00	697.47	707.18	691.59	4.31	4.34	-175.70	103.85	37.16	153.77	145.12	8.65	17.769		
800.00	795.62	789.56	787.47	4.64	4.59	-171.99	103.52	50.04	176.88	167.67	9.22	19.195		
900.00	893.06	885.49	882.55	5.00	4.90	-169.28	103.18	62.80	203.84	193.97	9.86	20.668		
1,000.00	989.64	980.48	976.69	5.40	5.23	-167.32	102.85	75.44	234.35	223.81	10.55	22.221		
1,100.00	1,085.27	1,074.42	1,069.80	5.83	5.58	-165.94	102.53	87.94	268.24	256.98	11.26	23.822		
1,200.00	1,179.82	1,167.21	1,161.76	6.29	5.93	-164.98	102.20	100.29	305.37	293.37	12.00	25.449		
1,235.00	1,212.63	1,200.61	1,193.65	6.46	6.06	-164.72	102.09	104.57	319.11	306.84	12.27	26.001		
1,300.00	1,273.43	1,258.99	1,252.73	6.79	6.28	-164.44	101.88	112.51	344.98	332.22	12.76	27.042		
1,400.00	1,366.98	1,350.70	1,343.62	7.30	6.65	-164.08	101.56	124.71	384.80	371.27	13.52	28.452		
1,500.00	1,460.52	1,442.41	1,434.51	7.84	7.02	-163.79	101.24	136.91	424.62	410.31	14.31	29.671		
1,600.00	1,554.07	1,534.11	1,525.40	8.38	7.40	-163.54	100.92	149.12	464.46	449.34	15.11	30.730		
1,700.00	1,647.61	1,625.82	1,616.29	8.93	7.79	-163.34	100.60	161.32	504.30	488.37	15.93	31.654		
1,800.00	1,741.16	1,717.53	1,707.18	9.49	8.17	-163.17	100.28	173.53	544.14	527.38	16.76	32.466		
1,900.00	1,834.70	1,809.24	1,798.07	10.06	8.57	-163.02	99.96	185.73	583.99	566.39	17.60	33.183		
2,000.00	1,928.25	1,900.94	1,888.96	10.63	8.96	-162.88	99.64	197.93	623.84	605.40	18.45	33.818		
2,100.00	2,021.79	2,007.35	1,979.86	11.21	9.42	-162.77	99.33	210.14	663.70	644.33	19.37	34.270		
2,200.00	2,115.33	2,084.36	2,070.75	11.79	9.76	-162.67	99.01	222.34	703.55	683.39	20.16	34.890		
2,300.00	2,208.88	2,176.07	2,161.64	12.37	10.16	-162.58	98.69	234.55	743.41	722.38	21.03	35.345		
2,400.00	2,302.42	2,267.77	2,252.53	12.96	10.57	-162.49	98.37	246.75	783.27	761.37	21.91	35.756		
2,500.00	2,395.97	2,359.48	2,343.42	13.55	10.97	-162.42	98.05	258.95	823.13	800.35	22.78	36.128		
2,600.00	2,489.51	2,451.19	2,434.31	14.14	11.38	-162.35	97.73	271.16	862.99	839.33	23.67	36.467		
2,700.00	2,583.06	2,542.90	2,525.20	14.74	11.79	-162.29	97.41	283.36	902.85	878.30	24.55	36.776		
2,800.00	2,676.60	2,634.60	2,616.09	15.34	12.20	-162.23	97.09	295.57	942.72	917.28	25.44	37.058		
2,900.00	2,770.14	2,726.31	2,706.98	15.93	12.61	-162.18	96.77	307.77	982.58	956.25	26.33	37.318		
3,000.00	2,863.69	2,818.02	2,797.88	16.53	13.03	-162.14	96.45	319.97	1,022.45	995.22	27.22	37.557		
3,100.00	2,957.23	2,909.73	2,888.77	17.13	13.44	-162.09	96.13	332.18	1,062.31	1,034.19	28.12	37.778		
3,200.00	3,050.78	3,001.43	2,979.66	17.74	13.86	-162.05	95.81	344.38	1,102.18	1,073.16	29.02	37.982		
3,300.00	3,144.32	3,106.86	3,070.55	18.34	14.33	-162.01	95.49	356.59	1,142.04	1,112.06	29.98	38.092		
3,400.00	3,237.87	3,184.85	3,161.44	18.94	14.69	-161.98	95.17	368.79	1,181.91	1,151.09	30.82	38.348		
3,500.00	3,331.41	3,276.56	3,252.33	19.55	15.11	-161.94	94.85	380.99	1,221.78	1,190.05	31.72	38.512		
3,600.00	3,424.96	3,368.26	3,343.22	20.15	15.52	-161.91	94.53	393.20	1,261.64	1,229.01	32.63	38.665		
3,666.72	3,487.37	3,429.45	3,403.86	20.56	15.80	-161.89	94.32	401.34	1,288.24	1,255.01	33.23	38.762		
3,700.00	3,518.57	3,460.04	3,434.19	20.76	15.94	-161.97	94.21	405.41	1,301.34	1,267.80	33.54	38.805		
3,800.00	3,613.09	3,552.80	3,526.12	21.34	16.37	-162.15	93.89	417.76	1,338.66	1,304.22	34.44	38.869		
3,900.00	3,708.70	3,646.73	3,619.21	21.90	16.79	-162.26	93.56	430.26	1,372.87	1,337.53	35.34	38.846		
4,000.00	3,805.27	3,741.70	3,713.34	22.44	17.23	-162.30	93.23	442.89	1,403.95	1,367.71	36.24	38.739		
4,100.00	3,902.69	3,837.61	3,808.40	22.95	17.67	-162.29	92.90	455.66	1,431.87	1,394.74	37.14	38.558		
4,200.00	4,000.84	3,934.34	3,904.26	23.43	18.11	-162.22	92.56	468.53	1,456.60	1,418.57	38.02	38.307		
4,300.00	4,099.59	4,031.77	4,000.83	23.89	18.56	-162.09	92.22	481.50	1,478.12	1,439.21	38.91	37.993		
4,400.00	4,198.84	4,129.78	4,097.96	24.32	19.01	-161.91	91.88	494.54	1,496.42	1,456.64	39.78	37.620		
4,500.00	4,298.45	4,228.26	4,195.56	24.73	19.46	-161.67	91.54	507.64	1,511.49	1,470.85	40.64	37.194		
4,600.00	4,398.30	4,327.07	4,293.50	25.11	19.92	-161.38	91.19	520.79	1,523.33	1,481.85	41.49	36.718		
4,701.72	4,500.00	4,427.81	4,393.34	25.45	20.38	32.80	90.84	534.20	1,532.08	1,489.76	42.32	36.203		
4,800.00	4,598.28	4,525.22	4,489.88	25.74	20.83	33.22	90.50	547.16	1,538.96	1,495.86	43.10	35.707		
4,900.00	4,698.28	4,624.33	4,588.11	26.04	21.28	33.63	90.15	560.35	1,546.04	1,502.14	43.90	35.218		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,723.44	4,686.34	26.34	21.74	34.05	89.81	573.54	1,553.21	1,508.51	44.70	34.747		
5,100.00	4,898.28	4,822.55	4,784.57	26.65	22.20	34.46	89.46	586.73	1,560.46	1,514.95	45.51	34.292		
5,200.00	4,998.28	4,921.66	4,882.79	26.96	22.66	34.86	89.12	599.92	1,567.78	1,521.47	46.31	33.852		
5,300.00	5,098.28	5,020.77	4,981.02	27.27	23.11	35.26	88.77	613.11	1,575.19	1,528.06	47.12	33.426		
5,400.00	5,198.28	5,119.88	5,079.25	27.59	23.57	35.66	88.43	626.30	1,582.67	1,534.73	47.94	33.015		
5,500.00	5,298.28	5,218.99	5,177.48	27.91	24.03	36.06	88.08	639.48	1,590.23	1,541.48	48.75	32.618		
5,600.00	5,398.28	5,318.10	5,275.70	28.23	24.49	36.45	87.74	652.67	1,597.86	1,548.29	49.57	32.233		
5,700.00	5,498.28	5,417.21	5,373.93	28.56	24.95	36.83	87.39	665.86	1,605.57	1,555.18	50.39	31.861		
5,800.00	5,598.28	5,516.32	5,472.16	28.89	25.40	37.22	87.05	679.05	1,613.35	1,562.14	51.22	31.501		
5,900.00	5,698.28	5,615.43	5,570.39	29.22	25.86	37.60	86.70	692.24	1,621.21	1,569.17	52.04	31.153		
6,000.00	5,798.28	5,714.54	5,668.62	29.56	26.32	37.97	86.36	705.43	1,629.13	1,576.26	52.87	30.815		
6,100.00	5,898.28	5,813.65	5,766.84	29.90	26.78	38.35	86.01	718.62	1,637.12	1,583.43	53.70	30.488		
6,200.00	5,998.28	5,912.76	5,865.07	30.24	27.24	38.71	85.67	731.81	1,645.19	1,590.66	54.53	30.172		
6,300.00	6,098.28	6,013.04	5,963.00	30.58	27.69	39.06	85.33	745.00	1,653.26	1,597.73	55.36	29.856		
6,400.00	6,198.28	6,113.33	6,063.00	30.92	28.14	39.41	85.00	758.11	1,661.33	1,604.80	56.19	29.540		
6,500.00	6,298.28	6,213.62	6,163.00	31.27	28.59	39.76	84.66	771.22	1,669.40	1,611.87	57.02	29.224		
6,600.00	6,398.28	6,313.91	6,263.00	31.62	29.04	40.11	84.33	784.33	1,677.47	1,618.94	57.85	28.908		
6,700.00	6,498.28	6,414.20	6,363.00	31.97	29.49	40.46	84.00	797.44	1,685.54	1,626.01	58.68	28.592		
6,794.10	6,592.38	6,507.29	6,456.00	32.31	29.94	40.81	83.66	810.55	1,693.61	1,633.08	59.51	28.276		
6,800.00	6,598.28	6,513.18	6,463.00	32.33	29.96	40.83	83.64	812.55	1,694.61	1,634.08	59.59	28.240		
6,850.00	6,648.21	6,563.11	6,513.00	32.51	30.09	40.93	83.50	818.66	1,698.73	1,638.20	59.71	28.172		
6,900.00	6,697.79	6,612.60	6,563.00	32.69	30.22	41.03	83.36	824.77	1,702.85	1,642.32	59.83	28.104		
6,950.00	6,746.73	6,661.54	6,613.00	32.86	30.35	41.13	83.22	830.88	1,706.97	1,646.44	59.95	28.036		
7,000.00	6,794.71	6,710.43	6,663.00	33.03	30.48	41.23	83.08	836.99	1,711.09	1,650.56	60.07	27.968		
7,050.00	6,841.44	6,757.16	6,713.00	33.20	30.61	41.33	82.94	843.10	1,715.21	1,654.68	60.19	27.900		
7,100.00	6,886.64	6,802.36	6,763.00	33.35	30.74	41.43	82.80	849.21	1,719.33	1,658.80	60.31	27.832		
7,150.00	6,930.03	6,845.65	6,813.00	33.50	30.87	41.53	82.66	855.32	1,723.45	1,662.92	60.43	27.764		
7,200.00	6,971.33	6,886.95	6,853.00	33.64	30.99	41.63	82.52	861.43	1,727.57	1,667.04	60.55	27.696		
7,250.00	7,010.30	6,925.92	6,893.00	33.77	31.12	41.73	82.38	867.54	1,731.69	1,671.16	60.67	27.628		
7,300.00	7,046.69	6,964.90	6,931.00	33.89	31.25	41.83	82.24	873.65	1,735.81	1,675.28	60.79	27.560		
7,350.00	7,080.28	6,998.88	6,965.00	34.00	31.38	41.93	82.10	879.76	1,739.93	1,679.40	60.91	27.492		
7,371.28	7,093.67	7,012.27	6,978.00	34.05	31.43	41.97	82.06	881.76	1,741.43	1,680.91	60.95	27.467		
7,400.00	7,110.86	7,029.46	6,995.00	34.11	31.48	42.01	82.02	883.76	1,742.94	1,682.42	60.99	27.442		
7,450.00	7,138.25	7,056.85	7,022.00	34.21	31.58	42.11	81.88	889.87	1,746.06	1,685.54	61.11	27.374		
7,500.00	7,162.27	7,080.87	7,046.00	34.32	31.68	42.21	81.74	895.98	1,749.18	1,688.66	61.23	27.306		
7,550.00	7,182.77	7,100.37	7,066.00	34.43	31.78	42.31	81.60	902.09	1,752.30	1,691.78	61.35	27.238		
7,600.00	7,199.64	7,117.24	7,083.00	34.57	31.88	42.41	81.46	908.20	1,755.42	1,694.90	61.47	27.170		
7,650.00	7,212.76	7,130.36	7,096.00	34.76	31.98	42.51	81.32	914.31	1,758.54	1,698.02	61.59	27.102		
7,700.00	7,222.06	7,140.66	7,106.00	35.02	32.08	42.61	81.18	920.42	1,761.66	1,701.14	61.71	27.034		
7,750.00	7,227.47	7,145.07	7,111.00	35.37	32.18	42.71	81.04	926.53	1,764.78	1,704.26	61.83	26.966		
7,793.42	7,229.00	7,146.50	7,112.00	35.74	32.28	42.81	80.90	932.64	1,767.90	1,707.38	61.95	26.898		
7,800.00	7,229.01	7,146.51	7,112.00	35.80	32.29	42.82	80.88	933.04	1,768.30	1,707.78	61.96	26.893		
7,900.00	7,229.11	7,146.61	7,112.00	36.91	32.39	42.92	80.74	939.15	1,771.42	1,710.90	62.08	26.825		
8,000.00	7,229.22	7,146.72	7,112.00	38.28	32.48	43.02	80.60	945.26	1,774.54	1,714.02	62.20	26.757		
8,100.00	7,229.33	7,146.83	7,112.00	39.83	32.57	43.12	80.46	951.37	1,777.66	1,717.14	62.32	26.689		
8,200.00	7,229.43	7,146.93	7,112.00	41.53	32.67	43.22	80.32	957.48	1,780.78	1,720.26	62.44	26.621		
8,300.00	7,229.54	7,147.04	7,112.00	43.36	32.77	43.32	80.18	963.59	1,783.90	1,723.38	62.56	26.553		
8,400.00	7,229.65	7,147.15	7,112.00	45.30	32.87	43.42	80.04	969.70	1,787.02	1,726.50	62.68	26.485		
8,500.00	7,229.75	7,147.25	7,112.00	47.33	32.97	43.52	79.90	975.81	1,790.14	1,729.62	62.80	26.417		
8,600.00	7,229.86	7,147.36	7,112.00	49.45	33.07	43.62	79.76	981.92	1,793.26	1,732.74	62.92	26.349		
8,700.00	7,229.97	7,147.47	7,112.00	51.64	33.17	43.72	79.62	988.03	1,796.38	1,735.86	63.04	26.281		
8,800.00	7,230.07	7,147.57	7,112.00	53.89	33.27	43.82	79.48	994.14	1,799.50	1,738.98	63.16	26.213		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,900.00	6,831.16	56.19	31.52	-72.57	77.78	724.04	1,512.34	1,434.11	78.23	19.333		
9,000.00	7,230.29	6,880.86	6,814.54	58.55	31.44	-71.89	78.22	733.51	1,562.21	1,483.26	78.95	19.787		
9,100.00	7,230.39	6,850.00	6,787.16	60.94	31.32	-70.79	78.90	747.73	1,616.25	1,536.84	79.41	20.353		
9,200.00	7,230.50	6,850.00	6,787.16	63.38	31.32	-70.79	78.90	747.73	1,673.84	1,593.66	80.19	20.875		
9,300.00	7,230.61	6,829.43	6,768.53	65.85	31.24	-70.05	79.33	756.46	1,734.95	1,654.35	80.60	21.525		
9,400.00	7,230.72	6,815.58	6,755.85	68.35	31.18	-69.55	79.61	761.99	1,799.23	1,718.21	81.02	22.207		
9,500.00	7,230.82	6,800.00	6,741.43	70.87	31.12	-68.98	79.92	767.89	1,866.38	1,785.04	81.35	22.943		
9,600.00	7,230.93	6,800.00	6,741.43	73.42	31.12	-68.98	79.92	767.89	1,936.19	1,854.41	81.78	23.674		
9,700.00	7,231.04	6,781.17	6,723.82	75.99	31.05	-68.30	80.27	774.54	2,008.26	1,926.30	81.96	24.503		
9,800.00	7,231.14	6,771.61	6,714.80	78.59	31.01	-67.95	80.45	777.72	2,082.53	2,000.34	82.18	25.340		
9,900.00	7,231.25	6,750.00	6,694.25	81.19	30.93	-67.17	80.83	784.40	2,158.87	2,076.63	82.25	26.248		
10,000.00	7,231.36	6,750.00	6,694.25	83.82	30.93	-67.17	80.83	784.40	2,236.72	2,154.23	82.49	27.114		
10,100.00	7,231.46	6,750.00	6,694.25	86.46	30.93	-67.17	80.83	784.40	2,316.26	2,233.57	82.69	28.010		
10,200.00	7,231.57	6,750.00	6,694.25	89.11	30.93	-67.17	80.83	784.40	2,397.34	2,314.48	82.86	28.931		
10,300.00	7,231.68	6,750.00	6,694.25	91.77	30.93	-67.17	80.83	784.40	2,479.80	2,396.80	83.00	29.876		
10,400.00	7,231.78	6,727.76	6,672.88	94.45	30.84	-66.36	81.20	790.55	2,563.08	2,480.13	82.95	30.900		
10,500.00	7,231.89	6,722.13	6,667.44	97.14	30.82	-66.16	81.29	791.98	2,647.67	2,564.66	83.01	31.896		
10,600.00	7,232.00	6,700.00	6,645.93	99.83	30.74	-65.35	81.63	797.16	2,733.50	2,650.57	82.93	32.961		
10,700.00	7,232.10	6,700.00	6,645.93	102.53	30.74	-65.35	81.63	797.16	2,819.87	2,736.86	83.01	33.970		
10,800.00	7,232.21	6,700.00	6,645.93	105.25	30.74	-65.35	81.63	797.16	2,907.11	2,824.03	83.08	34.993		
10,900.00	7,232.32	6,700.00	6,645.93	107.96	30.74	-65.35	81.63	797.16	2,995.15	2,912.02	83.13	36.029		
11,000.00	7,232.42	6,700.00	6,645.93	110.69	30.74	-65.35	81.63	797.16	3,083.92	3,000.74	83.18	37.076		
11,100.00	7,232.53	6,700.00	6,645.93	113.42	30.74	-65.35	81.63	797.16	3,173.35	3,090.14	83.21	38.135		
11,200.00	7,232.64	6,700.00	6,645.93	116.16	30.74	-65.35	81.63	797.16	3,263.40	3,180.16	83.24	39.204		
11,300.00	7,232.74	6,700.00	6,645.93	118.90	30.74	-65.35	81.63	797.16	3,354.01	3,270.75	83.27	40.281		
11,400.00	7,232.85	6,700.00	6,645.93	121.65	30.74	-65.35	81.63	797.16	3,445.15	3,361.86	83.28	41.366		
11,500.00	7,232.96	6,700.00	6,645.93	124.41	30.74	-65.35	81.63	797.16	3,536.76	3,453.46	83.30	42.459		
11,600.00	7,233.06	6,678.32	6,624.69	127.16	30.66	-64.57	81.94	801.51	3,628.41	3,545.21	83.20	43.613		
11,700.00	7,233.17	6,675.47	6,621.90	129.92	30.65	-64.47	81.98	802.03	3,720.76	3,637.56	83.19	44.724		
11,800.00	7,233.28	6,672.77	6,619.23	132.69	30.64	-64.38	82.01	802.51	3,813.48	3,730.29	83.19	45.840		
11,900.00	7,233.38	6,650.00	6,596.75	135.46	30.55	-63.56	82.31	806.10	3,906.91	3,823.82	83.08	47.024		
12,000.00	7,233.49	6,650.00	6,596.75	138.23	30.55	-63.56	82.31	806.10	4,000.22	3,917.13	83.09	48.141		
12,100.00	7,233.60	6,650.00	6,596.75	141.01	30.55	-63.56	82.31	806.10	4,093.85	4,010.75	83.10	49.262		
12,200.00	7,233.71	6,650.00	6,596.75	143.79	30.55	-63.56	82.31	806.10	4,187.77	4,104.66	83.11	50.386		
12,300.00	7,233.81	6,650.00	6,596.75	146.57	30.55	-63.56	82.31	806.10	4,281.97	4,198.85	83.12	51.515		
12,400.00	7,233.92	6,650.00	6,596.75	149.35	30.55	-63.56	82.31	806.10	4,376.43	4,293.30	83.13	52.646		
12,500.00	7,234.03	6,650.00	6,596.75	152.14	30.55	-63.56	82.31	806.10	4,471.13	4,387.99	83.14	53.780		
12,600.00	7,234.13	6,650.00	6,596.75	154.93	30.55	-63.56	82.31	806.10	4,566.05	4,482.91	83.14	54.917		
12,700.00	7,234.24	6,650.00	6,596.75	157.72	30.55	-63.56	82.31	806.10	4,661.19	4,578.04	83.15	56.056		
12,800.00	7,234.35	6,650.00	6,596.75	160.52	30.55	-63.56	82.31	806.10	4,756.53	4,673.37	83.16	57.198		
12,900.00	7,234.45	6,650.00	6,596.75	163.31	30.55	-63.56	82.31	806.10	4,852.05	4,768.88	83.17	58.340		
13,000.00	7,234.56	6,650.00	6,596.75	166.11	30.55	-63.56	82.31	806.10	4,947.75	4,864.57	83.18	59.485		
13,100.00	7,234.67	6,650.00	6,596.75	168.91	30.55	-63.56	82.31	806.10	5,043.62	4,960.43	83.19	60.631		
13,200.00	7,234.77	6,650.00	6,596.75	171.71	30.55	-63.56	82.31	806.10	5,139.64	5,056.45	83.20	61.778		
13,300.00	7,234.88	6,650.00	6,596.75	174.52	30.55	-63.56	82.31	806.10	5,235.82	5,152.61	83.21	62.926		
13,400.00	7,234.99	6,650.00	6,596.75	177.32	30.55	-63.56	82.31	806.10	5,332.13	5,248.91	83.22	64.075		
13,500.00	7,235.09	6,650.00	6,596.75	180.13	30.55	-63.56	82.31	806.10	5,428.58	5,345.35	83.23	65.224		
13,600.00	7,235.20	6,650.00	6,596.75	182.94	30.55	-63.56	82.31	806.10	5,525.15	5,441.91	83.24	66.374		
13,700.00	7,235.31	6,650.00	6,596.75	185.74	30.55	-63.56	82.31	806.10	5,621.85	5,538.59	83.26	67.524		
13,800.00	7,235.41	6,650.00	6,596.75	188.56	30.55	-63.56	82.31	806.10	5,718.66	5,635.38	83.27	68.674		
13,900.00	7,235.52	6,650.00	6,596.75	191.37	30.55	-63.56	82.31	806.10	5,815.57	5,732.28	83.29	69.825		
14,000.00	7,235.63	6,650.00	6,596.75	194.18	30.55	-63.56	82.31	806.10	5,912.59	5,829.28	83.30	70.975		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,650.00	6,596.75	197.00	30.55	-63.56	82.31	806.10	6,009.71	5,926.38	83.32	72.126		
14,200.00	7,235.84	6,650.00	6,596.75	199.81	30.55	-63.56	82.31	806.10	6,106.91	6,023.57	83.34	73.276		
14,300.00	7,235.95	6,650.00	6,596.75	202.63	30.55	-63.56	82.31	806.10	6,204.21	6,120.85	83.36	74.425		
14,400.00	7,236.05	6,650.00	6,596.75	205.44	30.55	-63.56	82.31	806.10	6,301.60	6,218.21	83.38	75.574		
14,500.00	7,236.16	6,650.00	6,596.75	208.26	30.55	-63.56	82.31	806.10	6,399.06	6,315.65	83.40	76.723		
14,600.00	7,236.27	6,650.00	6,596.75	211.08	30.55	-63.56	82.31	806.10	6,496.60	6,413.17	83.43	77.871		
14,700.00	7,236.37	6,627.21	6,574.14	213.90	30.47	-62.76	82.58	808.88	6,593.78	6,510.40	83.38	79.084		
14,800.00	7,236.48	6,626.29	6,573.22	216.72	30.47	-62.72	82.59	808.98	6,691.42	6,608.02	83.40	80.233		
14,900.00	7,236.59	6,625.40	6,572.33	219.55	30.46	-62.69	82.60	809.07	6,789.14	6,705.72	83.42	81.381		
15,000.00	7,236.69	6,624.53	6,571.47	222.37	30.46	-62.66	82.61	809.16	6,886.92	6,803.47	83.45	82.528		
15,100.00	7,236.80	6,623.68	6,570.63	225.19	30.46	-62.63	82.62	809.24	6,984.76	6,901.29	83.48	83.674		
15,200.00	7,236.91	6,622.86	6,569.81	228.02	30.45	-62.60	82.63	809.32	7,082.66	6,999.16	83.50	84.818		
15,300.00	7,237.02	6,600.00	6,547.02	230.84	30.37	-61.81	82.87	811.14	7,181.03	7,097.57	83.46	86.041		
15,400.00	7,237.12	6,600.00	6,547.02	233.67	30.37	-61.81	82.87	811.14	7,279.01	7,195.52	83.49	87.181		
15,500.00	7,237.23	6,600.00	6,547.02	236.50	30.37	-61.81	82.87	811.14	7,377.05	7,293.52	83.53	88.319		
15,600.00	7,237.34	6,600.00	6,547.02	239.32	30.37	-61.81	82.87	811.14	7,475.14	7,391.58	83.56	89.456		
15,700.00	7,237.44	6,600.00	6,547.02	242.15	30.37	-61.81	82.87	811.14	7,573.28	7,489.68	83.60	90.591		
15,800.00	7,237.55	6,600.00	6,547.02	244.98	30.37	-61.81	82.87	811.14	7,671.47	7,587.83	83.64	91.725		
15,900.00	7,237.66	6,600.00	6,547.02	247.81	30.37	-61.81	82.87	811.14	7,769.70	7,686.03	83.67	92.858		
16,000.00	7,237.76	6,600.00	6,547.02	250.64	30.37	-61.81	82.87	811.14	7,867.98	7,784.27	83.71	93.989		
16,100.00	7,237.87	6,600.00	6,547.02	253.47	30.37	-61.81	82.87	811.14	7,966.30	7,882.55	83.75	95.118		
16,200.00	7,237.98	6,600.00	6,547.02	256.30	30.37	-61.81	82.87	811.14	8,064.66	7,980.87	83.79	96.246		
16,300.00	7,238.08	6,600.00	6,547.02	259.13	30.37	-61.81	82.87	811.14	8,163.07	8,079.23	83.83	97.371		
16,400.00	7,238.19	6,600.00	6,547.02	261.96	30.37	-61.81	82.87	811.14	8,261.51	8,177.63	83.88	98.496		
16,500.00	7,238.30	6,600.00	6,547.02	264.79	30.37	-61.81	82.87	811.14	8,359.99	8,276.07	83.92	99.618		
16,600.00	7,238.40	6,600.00	6,547.02	267.63	30.37	-61.81	82.87	811.14	8,458.50	8,374.53	83.96	100.738		
16,700.00	7,238.51	6,600.00	6,547.02	270.46	30.37	-61.81	82.87	811.14	8,557.05	8,473.04	84.01	101.857		
16,800.00	7,238.62	6,600.00	6,547.02	273.29	30.37	-61.81	82.87	811.14	8,655.63	8,571.57	84.06	102.974		
16,900.00	7,238.72	6,600.00	6,547.02	276.13	30.37	-61.81	82.87	811.14	8,754.24	8,670.14	84.10	104.088		
17,000.00	7,238.83	6,600.00	6,547.02	278.96	30.37	-61.81	82.87	811.14	8,852.89	8,768.73	84.15	105.201		
17,100.00	7,238.94	6,600.00	6,547.02	281.80	30.37	-61.81	82.87	811.14	8,951.56	8,867.36	84.20	106.312		
17,200.00	7,239.04	6,600.00	6,547.02	284.63	30.37	-61.81	82.87	811.14	9,050.26	8,966.01	84.25	107.420		
17,300.00	7,239.15	6,600.00	6,547.02	287.47	30.37	-61.81	82.87	811.14	9,149.00	9,064.70	84.30	108.527		
17,400.00	7,239.26	6,600.00	6,547.02	290.30	30.37	-61.81	82.87	811.14	9,247.76	9,163.40	84.35	109.631		
17,500.00	7,239.36	6,600.00	6,547.02	293.14	30.37	-61.81	82.87	811.14	9,346.54	9,262.14	84.41	110.733		
17,600.00	7,239.47	6,600.00	6,547.02	295.98	30.37	-61.81	82.87	811.14	9,445.35	9,360.89	84.46	111.833		
17,700.00	7,239.58	6,600.00	6,547.02	298.81	30.37	-61.81	82.87	811.14	9,544.19	9,459.68	84.51	112.931		
17,800.00	7,239.68	6,600.00	6,547.02	301.65	30.37	-61.81	82.87	811.14	9,643.05	9,558.48	84.57	114.026		
17,900.00	7,239.79	6,600.00	6,547.02	304.49	30.37	-61.81	82.87	811.14	9,741.93	9,657.31	84.62	115.120		
18,000.00	7,239.90	6,600.00	6,547.02	307.33	30.37	-61.81	82.87	811.14	9,840.84	9,756.16	84.68	116.210		
18,095.23	7,240.00	6,600.00	6,547.02	310.03	30.37	-61.81	82.87	811.14	9,935.05	9,850.31	84.74	117.247		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	119.49	11.69	120.07					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	119.49	11.69	120.07	113.50	6.57	18.276		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	119.49	11.69	120.07	113.39	6.67	17.990 CC, ES		
300.00	299.98	298.34	298.32	3.44	3.44	172.60	119.98	13.31	122.46	115.58	6.88	17.791 SF		
400.00	399.84	396.14	395.99	3.59	3.60	174.92	121.44	18.12	129.79	122.59	7.20	18.036		
500.00	499.45	492.90	492.39	3.79	3.80	178.24	123.83	26.01	142.39	134.78	7.61	18.712		
600.00	598.70	588.12	586.94	4.03	4.04	-178.04	127.11	36.82	160.62	152.51	8.11	19.800		
700.00	697.47	681.34	679.08	4.31	4.33	-174.35	131.19	50.30	184.68	176.00	8.69	21.262		
800.00	795.62	772.15	768.35	4.64	4.67	-170.98	136.00	66.19	214.61	205.29	9.31	23.045		
900.00	893.06	865.22	859.55	5.00	5.05	-168.13	141.38	83.94	249.35	239.38	9.98	24.993		
1,000.00	989.64	957.23	949.73	5.40	5.46	-166.07	146.70	101.49	287.63	276.95	10.68	26.933		
1,100.00	1,085.27	1,047.97	1,038.64	5.83	5.89	-164.56	151.94	118.80	329.19	317.78	11.41	28.853		
1,200.00	1,179.82	1,137.31	1,126.19	6.29	6.34	-163.47	157.10	135.84	373.88	361.71	12.16	30.739		
1,235.00	1,212.63	1,168.23	1,156.49	6.46	6.49	-163.15	158.89	141.73	390.23	377.80	12.44	31.375		
1,300.00	1,273.43	1,225.48	1,212.59	6.79	6.79	-162.84	162.19	152.65	420.95	408.02	12.94	32.543		
1,400.00	1,366.98	1,313.55	1,298.89	7.30	7.25	-162.43	167.28	169.45	468.23	454.51	13.72	34.136		
1,500.00	1,460.52	1,401.62	1,385.20	7.84	7.72	-162.09	172.37	186.25	515.52	501.00	14.52	35.507		
1,600.00	1,554.07	1,489.70	1,471.51	8.38	8.19	-161.81	177.46	203.05	562.83	547.49	15.34	36.692		
1,700.00	1,647.61	1,577.77	1,557.82	8.93	8.68	-161.58	182.55	219.85	610.14	593.96	16.17	37.723		
1,800.00	1,741.16	1,665.85	1,644.12	9.49	9.17	-161.38	187.64	236.64	657.46	640.44	17.02	38.623		
1,900.00	1,834.70	1,753.92	1,730.43	10.06	9.66	-161.20	192.73	253.44	704.78	686.90	17.88	39.414		
2,000.00	1,928.25	1,841.99	1,816.74	10.63	10.16	-161.05	197.81	270.24	752.11	733.36	18.75	40.113		
2,100.00	2,021.79	1,930.07	1,903.04	11.21	10.66	-160.92	202.90	287.04	799.45	779.82	19.63	40.733		
2,200.00	2,115.33	2,018.14	1,989.35	11.79	11.17	-160.80	207.99	303.84	846.78	826.27	20.51	41.285		
2,300.00	2,208.88	2,106.22	2,075.66	12.37	11.68	-160.69	213.08	320.64	894.12	872.72	21.40	41.779		
2,400.00	2,302.42	2,205.71	2,161.97	12.96	12.25	-160.59	218.17	337.44	941.46	919.11	22.36	42.113		
2,500.00	2,395.97	2,282.36	2,248.27	13.55	12.70	-160.51	223.26	354.23	988.81	965.61	23.20	42.625		
2,600.00	2,489.51	2,370.44	2,334.58	14.14	13.21	-160.43	228.35	371.03	1,036.15	1,012.05	24.10	42.988		
2,700.00	2,583.06	2,458.51	2,420.89	14.74	13.72	-160.36	233.43	387.83	1,083.50	1,058.48	25.01	43.319		
2,800.00	2,676.60	2,546.58	2,507.20	15.34	14.24	-160.29	238.52	404.63	1,130.84	1,104.92	25.92	43.620		
2,900.00	2,770.14	2,634.66	2,593.50	15.93	14.76	-160.23	243.61	421.43	1,178.19	1,151.35	26.84	43.896		
3,000.00	2,863.69	2,722.73	2,679.81	16.53	15.28	-160.17	248.70	438.23	1,225.54	1,197.78	27.76	44.150		
3,100.00	2,957.23	2,810.81	2,766.12	17.13	15.80	-160.12	253.79	455.02	1,272.89	1,244.21	28.68	44.383		
3,200.00	3,050.78	2,901.12	2,852.42	17.74	16.33	-160.07	258.88	471.82	1,320.24	1,290.62	29.61	44.580		
3,300.00	3,144.32	2,986.95	2,938.73	18.34	16.84	-160.03	263.97	488.62	1,367.59	1,337.06	30.53	44.797		
3,400.00	3,237.87	3,075.03	3,025.04	18.94	17.36	-159.99	269.05	505.42	1,414.94	1,383.49	31.46	44.981		
3,500.00	3,331.41	3,163.10	3,111.35	19.55	17.88	-159.95	274.14	522.22	1,462.29	1,429.91	32.39	45.153		
3,600.00	3,424.96	3,251.18	3,197.65	20.15	18.40	-159.91	279.23	539.02	1,509.65	1,476.33	33.32	45.313		
3,666.72	3,487.37	3,309.94	3,255.24	20.56	18.75	-159.89	282.63	550.22	1,541.24	1,507.30	33.94	45.413		
3,700.00	3,518.57	3,339.33	3,284.04	20.76	18.93	-160.00	284.33	555.83	1,556.84	1,522.59	34.25	45.459		
3,800.00	3,613.09	3,428.65	3,371.57	21.34	19.46	-160.27	289.49	572.87	1,601.77	1,566.59	35.18	45.534		
3,900.00	3,708.70	3,519.36	3,460.46	21.90	20.00	-160.46	294.73	590.17	1,643.74	1,607.64	36.11	45.525		
4,000.00	3,805.27	3,611.36	3,550.61	22.44	20.55	-160.59	300.04	607.71	1,682.72	1,645.68	37.03	45.438		
4,100.00	3,902.69	3,704.53	3,641.91	22.95	21.11	-160.66	305.42	625.48	1,718.65	1,680.69	37.96	45.280		
4,200.00	4,000.84	3,801.24	3,734.25	23.43	21.68	-160.67	310.87	643.46	1,751.51	1,712.62	38.89	45.041		
4,300.00	4,099.59	3,906.06	3,827.52	23.89	22.31	-160.63	316.37	661.61	1,781.27	1,741.42	39.85	44.703		
4,400.00	4,198.84	3,989.95	3,921.60	24.32	22.81	-160.53	321.91	679.92	1,807.91	1,767.22	40.68	44.438		
4,500.00	4,298.45	4,086.66	4,016.38	24.73	23.39	-160.38	327.50	698.37	1,831.40	1,789.83	41.57	44.053		
4,600.00	4,398.30	4,183.98	4,111.74	25.11	23.97	-160.18	333.13	716.93	1,851.75	1,809.30	42.45	43.622		
4,701.72	4,500.00	4,283.45	4,209.22	25.45	24.57	33.89	338.87	735.90	1,869.20	1,825.90	43.31	43.161		
4,800.00	4,598.28	4,379.76	4,303.60	25.74	25.15	34.27	344.44	754.27	1,884.53	1,840.42	44.11	42.720		
4,900.00	4,698.28	4,477.76	4,399.63	26.04	25.74	34.64	350.10	772.96	1,900.21	1,855.27	44.94	42.286		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,652.26	4,571.30	26.34	26.72	35.23	359.14	802.82	1,914.61	1,868.12	46.49	41.181		
5,100.00	4,898.28	4,864.36	4,781.99	26.65	27.74	35.67	366.09	825.74	1,923.57	1,875.39	48.19	39.918		
5,200.00	4,998.28	5,078.88	4,996.30	26.96	28.55	35.82	368.49	833.69	1,926.65	1,877.02	49.63	38.820		
5,300.00	5,098.28	5,180.86	5,098.28	27.27	28.89	35.82	368.49	833.69	1,926.65	1,876.31	50.35	38.266		
5,400.00	5,198.28	5,280.86	5,198.28	27.59	29.22	35.82	368.49	833.69	1,926.65	1,875.59	51.06	37.731		
5,500.00	5,298.28	5,380.86	5,298.28	27.91	29.55	35.82	368.49	833.69	1,926.65	1,874.87	51.78	37.208		
5,600.00	5,398.28	5,480.86	5,398.28	28.23	29.89	35.82	368.49	833.69	1,926.65	1,874.15	52.50	36.695		
5,700.00	5,498.28	5,580.86	5,498.28	28.56	30.23	35.82	368.49	833.69	1,926.65	1,873.42	53.23	36.193		
5,800.00	5,598.28	5,680.86	5,598.28	28.89	30.57	35.82	368.49	833.69	1,926.65	1,872.69	53.96	35.702		
5,900.00	5,698.28	5,780.86	5,698.28	29.22	30.92	35.82	368.49	833.69	1,926.65	1,871.95	54.70	35.221		
6,000.00	5,798.28	5,880.86	5,798.28	29.56	31.26	35.82	368.49	833.69	1,926.65	1,871.21	55.44	34.751		
6,100.00	5,898.28	6,043.45	7,023.10	29.90	46.78	-2.86	319.47	-369.33	1,887.05	1,824.02	63.04	29.935		
6,200.00	5,998.28	6,042.22	7,023.11	30.24	46.76	-2.81	319.52	-368.10	1,829.21	1,764.30	64.91	28.182		
6,300.00	6,098.28	6,040.98	7,023.13	30.58	46.73	-2.77	319.57	-366.86	1,775.12	1,708.34	66.77	26.585		
6,400.00	6,198.28	6,039.75	7,023.14	30.92	46.70	-2.72	319.62	-365.63	1,725.13	1,656.52	68.61	25.144		
6,500.00	6,298.28	6,038.52	7,023.16	31.27	46.67	-2.67	319.67	-364.40	1,679.61	1,609.22	70.39	23.862		
6,600.00	6,398.28	6,037.28	7,023.17	31.62	46.65	-2.63	319.72	-363.17	1,638.94	1,566.87	72.07	22.741		
6,700.00	6,498.28	6,036.05	7,023.19	31.97	46.62	-2.58	319.77	-361.93	1,603.48	1,529.86	73.62	21.781		
6,794.10	6,592.38	6,034.89	7,023.20	32.31	46.59	-2.53	319.82	-360.77	1,575.18	1,500.27	74.92	21.026		
6,800.00	6,598.28	6,034.79	7,023.20	32.33	46.59	-92.50	319.82	-360.67	1,573.58	1,498.59	74.99	20.984		
6,850.00	6,648.21	6,031.75	7,023.24	32.51	46.52	-93.56	319.95	-357.64	1,560.93	1,485.39	75.54	20.663		
6,900.00	6,697.79	6,024.81	7,023.33	32.69	46.37	-94.30	320.23	-350.70	1,550.02	1,474.07	75.95	20.409		
6,950.00	6,746.73	6,014.01	7,023.46	32.86	46.13	-94.74	320.67	-339.91	1,540.88	1,464.68	76.20	20.222		
7,000.00	6,794.71	7,999.41	7,023.64	33.03	45.81	-94.88	321.26	-325.33	1,533.54	1,457.25	76.29	20.102		
7,050.00	6,841.44	7,981.11	7,023.87	33.20	45.43	-94.74	322.01	-307.05	1,527.94	1,451.69	76.25	20.038		
7,100.00	6,886.64	7,959.22	7,024.14	33.35	44.97	-94.36	322.90	-285.18	1,524.03	1,447.96	76.07	20.035		
7,150.00	6,930.03	7,933.88	7,024.45	33.50	44.45	-93.75	323.93	-259.86	1,521.68	1,445.93	75.75	20.088		
7,200.00	6,971.33	7,905.24	7,024.80	33.64	43.85	-92.95	325.10	-231.24	1,520.74	1,445.43	75.31	20.193		
7,211.61	6,980.60	7,901.87	7,024.89	33.67	43.78	-92.74	325.39	-224.14	1,520.71	1,445.44	75.27	20.203		
7,250.00	7,010.30	7,873.47	7,025.19	33.77	43.24	-92.00	326.39	-199.50	1,521.05	1,446.24	74.81	20.333		
7,300.00	7,046.69	7,838.78	7,025.62	33.89	42.57	-90.93	327.80	-164.84	1,522.41	1,448.18	74.23	20.510		
7,350.00	7,080.28	7,801.38	7,026.08	34.00	41.85	-89.80	329.33	-127.47	1,524.61	1,451.02	73.59	20.717		
7,400.00	7,110.86	7,761.49	7,026.58	34.11	41.16	-88.65	330.95	-87.62	1,527.46	1,454.48	72.98	20.929		
7,450.00	7,138.25	7,719.37	7,027.10	34.21	40.43	-87.50	332.66	-45.54	1,530.74	1,458.38	72.36	21.153		
7,500.00	7,162.27	7,675.26	7,027.64	34.32	39.72	-86.41	334.46	-1.48	1,534.27	1,462.47	71.80	21.368		
7,550.00	7,182.77	7,629.46	7,028.21	34.43	39.03	-85.42	336.32	44.29	1,537.85	1,466.54	71.30	21.567		
7,600.00	7,199.64	7,582.23	7,028.79	34.57	38.35	-84.54	338.25	91.47	1,541.32	1,470.43	70.89	21.743		
7,650.00	7,212.76	7,533.87	7,029.38	34.76	37.73	-83.81	340.22	139.79	1,544.56	1,473.96	70.60	21.878		
7,700.00	7,222.06	7,484.68	7,029.99	35.02	37.13	-83.24	342.22	188.93	1,547.44	1,477.05	70.39	21.983		
7,750.00	7,227.47	7,446.56	7,029.37	35.37	36.72	-82.84	343.77	227.02	1,550.08	1,479.62	70.46	21.999		
7,793.42	7,229.00	7,413.76	7,027.01	35.74	36.39	-82.52	345.10	259.70	1,552.29	1,481.70	70.59	21.991		
7,800.00	7,229.01	7,408.80	7,026.51	35.80	36.34	-82.50	345.30	264.63	1,552.62	1,482.01	70.61	21.989		
7,900.00	7,229.11	7,334.79	7,014.45	36.91	35.69	-82.07	348.28	337.54	1,558.58	1,487.48	71.10	21.921		
8,000.00	7,229.22	7,264.48	6,995.23	38.28	35.19	-81.38	351.03	405.09	1,566.40	1,494.57	71.82	21.809		
8,100.00	7,229.33	7,200.00	6,971.15	39.83	34.82	-80.52	353.46	464.82	1,576.46	1,503.70	72.76	21.667		
8,200.00	7,229.43	7,139.49	6,943.16	41.53	34.57	-79.52	355.65	518.40	1,589.18	1,515.33	73.85	21.519		
8,300.00	7,229.54	7,085.72	6,914.12	43.36	34.39	-78.50	357.49	563.59	1,604.99	1,529.93	75.06	21.381		
8,400.00	7,229.65	7,037.67	6,885.01	45.30	34.28	-77.48	359.04	601.78	1,624.25	1,547.90	76.34	21.275		
8,500.00	7,229.75	7,000.00	6,860.23	47.33	34.20	-76.61	360.20	630.12	1,647.24	1,569.55	77.69	21.202		
8,600.00	7,229.86	6,950.00	6,824.83	49.45	34.13	-75.39	361.64	665.38	1,674.14	1,595.26	78.88	21.223		
8,700.00	7,229.97	6,923.31	6,804.83	51.64	34.10	-74.71	362.36	683.03	1,705.01	1,624.81	80.21	21.258		
8,800.00	7,230.07	6,900.00	6,786.76	53.89	34.08	-74.10	362.96	697.76	1,739.96	1,658.50	81.46	21.359		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,866.72	6,760.07	56.19	34.05	-73.20	363.76	717.61	1,778.83	1,696.30	82.53	21.553		
9,000.00	7,230.29	6,850.00	6,746.28	58.55	34.03	-72.74	364.15	727.05	1,821.62	1,737.99	83.63	21.781		
9,100.00	7,230.39	6,821.53	6,722.23	60.94	34.00	-71.94	364.77	742.28	1,868.07	1,783.55	84.53	22.101		
9,200.00	7,230.50	6,800.00	6,703.62	63.38	33.99	-71.32	365.21	753.08	1,918.10	1,832.73	85.37	22.468		
9,300.00	7,230.61	6,784.96	6,690.39	65.85	33.97	-70.89	365.50	760.25	1,971.48	1,885.32	86.16	22.881		
9,400.00	7,230.72	6,769.23	6,676.40	68.35	33.95	-70.44	365.79	767.40	2,028.01	1,941.16	86.85	23.350		
9,500.00	7,230.82	6,750.00	6,659.04	70.87	33.94	-69.87	366.13	775.68	2,087.50	2,000.08	87.42	23.879		
9,600.00	7,230.93	6,750.00	6,659.04	73.42	33.94	-69.87	366.13	775.68	2,149.74	2,061.68	88.06	24.413		
9,700.00	7,231.04	6,729.96	6,640.70	75.99	33.91	-69.28	366.46	783.75	2,214.44	2,125.98	88.46	25.033		
9,800.00	7,231.14	6,719.00	6,630.56	78.59	33.90	-68.96	366.63	787.92	2,281.55	2,192.68	88.87	25.674		
9,900.00	7,231.25	6,700.00	6,612.83	81.19	33.88	-68.40	366.91	794.72	2,350.88	2,261.73	89.15	26.370		
10,000.00	7,231.36	6,700.00	6,612.83	83.82	33.88	-68.40	366.91	794.72	2,422.11	2,332.58	89.52	27.056		
10,100.00	7,231.46	6,700.00	6,612.83	86.46	33.88	-68.40	366.91	794.72	2,495.30	2,405.46	89.84	27.776		
10,200.00	7,231.57	6,700.00	6,612.83	89.11	33.88	-68.40	366.91	794.72	2,570.30	2,480.20	90.11	28.526		
10,300.00	7,231.68	6,675.51	6,589.68	91.77	33.84	-67.67	367.23	802.71	2,646.48	2,556.30	90.18	29.347		
10,400.00	7,231.78	6,668.56	6,583.06	94.45	33.83	-67.46	367.32	804.82	2,724.33	2,633.99	90.33	30.158		
10,500.00	7,231.89	6,650.00	6,565.26	97.14	33.80	-66.91	367.53	810.08	2,803.63	2,713.25	90.39	31.018		
10,600.00	7,232.00	6,650.00	6,565.26	99.83	33.80	-66.91	367.53	810.08	2,883.96	2,793.43	90.54	31.854		
10,700.00	7,232.10	6,650.00	6,565.26	102.53	33.80	-66.91	367.53	810.08	2,965.49	2,874.83	90.66	32.710		
10,800.00	7,232.21	6,650.00	6,565.26	105.25	33.80	-66.91	367.53	810.08	3,048.11	2,957.35	90.76	33.584		
10,900.00	7,232.32	6,650.00	6,565.26	107.96	33.80	-66.91	367.53	810.08	3,131.75	3,040.91	90.84	34.474		
11,000.00	7,232.42	6,650.00	6,565.26	110.69	33.80	-66.91	367.53	810.08	3,216.32	3,125.41	90.91	35.379		
11,100.00	7,232.53	6,650.00	6,565.26	113.42	33.80	-66.91	367.53	810.08	3,301.76	3,210.79	90.96	36.297		
11,200.00	7,232.64	6,626.40	6,542.42	116.16	33.76	-66.20	367.78	816.03	3,387.53	3,296.64	90.89	37.271		
11,300.00	7,232.74	6,622.37	6,538.51	118.90	33.75	-66.08	367.81	816.95	3,474.33	3,383.42	90.90	38.220		
11,400.00	7,232.85	6,600.00	6,516.64	121.65	33.71	-65.42	368.00	821.67	3,562.08	3,471.26	90.82	39.223		
11,500.00	7,232.96	6,600.00	6,516.64	124.41	33.71	-65.42	368.00	821.67	3,650.06	3,559.22	90.84	40.180		
11,600.00	7,233.06	6,600.00	6,516.64	127.16	33.71	-65.42	368.00	821.67	3,738.65	3,647.79	90.86	41.147		
11,700.00	7,233.17	6,600.00	6,516.64	129.92	33.71	-65.42	368.00	821.67	3,827.81	3,736.93	90.87	42.122		
11,800.00	7,233.28	6,600.00	6,516.64	132.69	33.71	-65.42	368.00	821.67	3,917.48	3,826.60	90.88	43.106		
11,900.00	7,233.38	6,600.00	6,516.64	135.46	33.71	-65.42	368.00	821.67	4,007.65	3,916.76	90.88	44.096		
12,000.00	7,233.49	6,600.00	6,516.64	138.23	33.71	-65.42	368.00	821.67	4,098.27	4,007.38	90.89	45.093		
12,100.00	7,233.60	6,600.00	6,516.64	141.01	33.71	-65.42	368.00	821.67	4,189.32	4,098.43	90.88	46.096		
12,200.00	7,233.71	6,600.00	6,516.64	143.79	33.71	-65.42	368.00	821.67	4,280.76	4,189.89	90.88	47.105		
12,300.00	7,233.81	6,600.00	6,516.64	146.57	33.71	-65.42	368.00	821.67	4,372.59	4,281.72	90.87	48.119		
12,400.00	7,233.92	6,600.00	6,516.64	149.35	33.71	-65.42	368.00	821.67	4,464.76	4,373.90	90.86	49.137		
12,500.00	7,234.03	6,600.00	6,516.64	152.14	33.71	-65.42	368.00	821.67	4,557.26	4,466.41	90.85	50.161		
12,600.00	7,234.13	6,600.00	6,516.64	154.93	33.71	-65.42	368.00	821.67	4,650.08	4,559.23	90.84	51.188		
12,700.00	7,234.24	6,600.00	6,516.64	157.72	33.71	-65.42	368.00	821.67	4,743.18	4,652.35	90.83	52.219		
12,800.00	7,234.35	6,600.00	6,516.64	160.52	33.71	-65.42	368.00	821.67	4,836.56	4,745.74	90.82	53.253		
12,900.00	7,234.45	6,578.38	6,495.36	163.31	33.66	-64.77	368.16	825.49	4,929.81	4,839.08	90.73	54.336		
13,000.00	7,234.56	6,576.49	6,493.49	166.11	33.65	-64.72	368.17	825.79	5,023.63	4,932.92	90.71	55.380		
13,100.00	7,234.67	6,574.67	6,491.69	168.91	33.65	-64.66	368.18	826.07	5,117.67	5,026.97	90.70	56.426		
13,200.00	7,234.77	6,572.91	6,489.96	171.71	33.64	-64.61	368.20	826.34	5,211.93	5,121.25	90.68	57.475		
13,300.00	7,234.88	6,550.00	6,467.25	174.52	33.59	-63.94	368.32	829.40	5,306.77	5,216.19	90.59	58.583		
13,400.00	7,234.99	6,550.00	6,467.25	177.32	33.59	-63.94	368.32	829.40	5,401.38	5,310.80	90.58	59.631		
13,500.00	7,235.09	6,550.00	6,467.25	180.13	33.59	-63.94	368.32	829.40	5,496.17	5,405.60	90.58	60.681		
13,600.00	7,235.20	6,550.00	6,467.25	182.94	33.59	-63.94	368.32	829.40	5,591.15	5,500.58	90.57	61.732		
13,700.00	7,235.31	6,550.00	6,467.25	185.74	33.59	-63.94	368.32	829.40	5,686.30	5,595.73	90.57	62.785		
13,800.00	7,235.41	6,550.00	6,467.25	188.56	33.59	-63.94	368.32	829.40	5,781.61	5,691.04	90.56	63.840		
13,900.00	7,235.52	6,550.00	6,467.25	191.37	33.59	-63.94	368.32	829.40	5,877.08	5,786.51	90.56	64.895		
14,000.00	7,235.63	6,550.00	6,467.25	194.18	33.59	-63.94	368.32	829.40	5,972.69	5,882.13	90.56	65.952		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,550.00	6,467.25	197.00	33.59	-63.94	368.32	829.40	6,068.45	5,977.89	90.56	67.009		
14,200.00	7,235.84	6,550.00	6,467.25	199.81	33.59	-63.94	368.32	829.40	6,164.34	6,073.78	90.56	68.068		
14,300.00	7,235.95	6,550.00	6,467.25	202.63	33.59	-63.94	368.32	829.40	6,260.36	6,169.80	90.56	69.127		
14,400.00	7,236.05	6,550.00	6,467.25	205.44	33.59	-63.94	368.32	829.40	6,356.51	6,265.94	90.57	70.186		
14,500.00	7,236.16	6,550.00	6,467.25	208.26	33.59	-63.94	368.32	829.40	6,452.77	6,362.20	90.57	71.246		
14,600.00	7,236.27	6,550.00	6,467.25	211.08	33.59	-63.94	368.32	829.40	6,549.14	6,458.56	90.57	72.306		
14,700.00	7,236.37	6,550.00	6,467.25	213.90	33.59	-63.94	368.32	829.40	6,645.62	6,555.04	90.58	73.367		
14,800.00	7,236.48	6,550.00	6,467.25	216.72	33.59	-63.94	368.32	829.40	6,742.20	6,651.61	90.59	74.427		
14,900.00	7,236.59	6,550.00	6,467.25	219.55	33.59	-63.94	368.32	829.40	6,838.88	6,748.29	90.60	75.488		
15,000.00	7,236.69	6,550.00	6,467.25	222.37	33.59	-63.94	368.32	829.40	6,935.66	6,845.05	90.60	76.549		
15,100.00	7,236.80	6,550.00	6,467.25	225.19	33.59	-63.94	368.32	829.40	7,032.52	6,941.91	90.61	77.609		
15,200.00	7,236.91	6,550.00	6,467.25	228.02	33.59	-63.94	368.32	829.40	7,129.47	7,038.85	90.63	78.669		
15,300.00	7,237.02	6,550.00	6,467.25	230.84	33.59	-63.94	368.32	829.40	7,226.51	7,135.87	90.64	79.729		
15,400.00	7,237.12	6,550.00	6,467.25	233.67	33.59	-63.94	368.32	829.40	7,323.62	7,232.97	90.65	80.788		
15,500.00	7,237.23	6,550.00	6,467.25	236.50	33.59	-63.94	368.32	829.40	7,420.82	7,330.15	90.67	81.847		
15,600.00	7,237.34	6,550.00	6,467.25	239.32	33.59	-63.94	368.32	829.40	7,518.08	7,427.40	90.68	82.906		
15,700.00	7,237.44	6,550.00	6,467.25	242.15	33.59	-63.94	368.32	829.40	7,615.42	7,524.72	90.70	83.963		
15,800.00	7,237.55	6,550.00	6,467.25	244.98	33.59	-63.94	368.32	829.40	7,712.82	7,622.10	90.72	85.020		
15,900.00	7,237.66	6,550.00	6,467.25	247.81	33.59	-63.94	368.32	829.40	7,810.29	7,719.55	90.74	86.077		
16,000.00	7,237.76	6,550.00	6,467.25	250.64	33.59	-63.94	368.32	829.40	7,907.82	7,817.07	90.76	87.133		
16,100.00	7,237.87	6,550.00	6,467.25	253.47	33.59	-63.94	368.32	829.40	8,005.42	7,914.64	90.78	88.187		
16,200.00	7,237.98	6,550.00	6,467.25	256.30	33.59	-63.94	368.32	829.40	8,103.07	8,012.27	90.80	89.241		
16,300.00	7,238.08	6,550.00	6,467.25	259.13	33.59	-63.94	368.32	829.40	8,200.78	8,109.95	90.82	90.294		
16,400.00	7,238.19	6,550.00	6,467.25	261.96	33.59	-63.94	368.32	829.40	8,298.54	8,207.69	90.85	91.346		
16,500.00	7,238.30	6,550.00	6,467.25	264.79	33.59	-63.94	368.32	829.40	8,396.36	8,305.48	90.87	92.397		
16,600.00	7,238.40	6,550.00	6,467.25	267.63	33.59	-63.94	368.32	829.40	8,494.22	8,403.33	90.90	93.447		
16,700.00	7,238.51	6,550.00	6,467.25	270.46	33.59	-63.94	368.32	829.40	8,592.14	8,501.21	90.93	94.495		
16,800.00	7,238.62	6,550.00	6,467.25	273.29	33.59	-63.94	368.32	829.40	8,690.10	8,599.15	90.96	95.543		
16,900.00	7,238.72	6,550.00	6,467.25	276.13	33.59	-63.94	368.32	829.40	8,788.11	8,697.13	90.98	96.589		
17,000.00	7,238.83	6,550.00	6,467.25	278.96	33.59	-63.94	368.32	829.40	8,886.17	8,795.15	91.02	97.634		
17,100.00	7,238.94	6,550.00	6,467.25	281.80	33.59	-63.94	368.32	829.40	8,984.26	8,893.22	91.05	98.678		
17,200.00	7,239.04	6,550.00	6,467.25	284.63	33.59	-63.94	368.32	829.40	9,082.40	8,991.32	91.08	99.720		
17,300.00	7,239.15	6,550.00	6,467.25	287.47	33.59	-63.94	368.32	829.40	9,180.58	9,089.47	91.11	100.761		
17,400.00	7,239.26	6,550.00	6,467.25	290.30	33.59	-63.94	368.32	829.40	9,278.80	9,187.65	91.15	101.800		
17,500.00	7,239.36	6,550.00	6,467.25	293.14	33.59	-63.94	368.32	829.40	9,377.05	9,285.87	91.18	102.838		
17,600.00	7,239.47	6,550.00	6,467.25	295.98	33.59	-63.94	368.32	829.40	9,475.34	9,384.13	91.22	103.875		
17,700.00	7,239.58	6,550.00	6,467.25	298.81	33.59	-63.94	368.32	829.40	9,573.67	9,482.42	91.26	104.910		
17,800.00	7,239.68	6,550.00	6,467.25	301.65	33.59	-63.94	368.32	829.40	9,672.03	9,580.74	91.29	105.943		
17,900.00	7,239.79	6,550.00	6,467.25	304.49	33.59	-63.94	368.32	829.40	9,770.43	9,679.09	91.33	106.975		
18,000.00	7,239.90	6,550.00	6,467.25	307.33	33.59	-63.94	368.32	829.40	9,868.85	9,777.48	91.37	108.005		
18,095.23	7,240.00	6,550.00	6,467.25	310.03	33.59	-63.94	368.32	829.40	9,962.61	9,871.20	91.41	108.985		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.68	44.81	4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.81	4.45	45.03	38.46	6.57	6.855		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.81	4.45	45.03	38.36	6.67	6.748 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	172.15	44.81	4.45	46.76	39.88	6.89	6.792		
400.00	399.84	400.95	400.93	3.59	3.60	174.49	43.53	5.69	50.86	43.66	7.19	7.071		
500.00	499.45	501.76	501.60	3.79	3.79	179.62	39.70	9.39	56.53	48.94	7.59	7.448		
600.00	598.70	602.23	601.67	4.03	4.03	-173.65	33.36	15.52	64.44	56.37	8.07	7.986		
700.00	697.47	702.20	700.88	4.31	4.30	-166.46	24.54	24.03	75.23	66.61	8.62	8.730		
800.00	795.62	801.41	798.86	4.64	4.61	-159.67	13.35	34.84	89.37	80.14	9.23	9.681		
900.00	893.06	900.54	895.48	5.00	4.94	-154.81	1.34	46.44	107.31	97.40	9.91	10.832		
1,000.00	989.64	1,003.02	991.58	5.40	5.31	-152.00	-10.60	57.97	128.77	118.12	10.65	12.096		
1,100.00	1,085.27	1,106.14	1,087.04	5.83	5.71	-150.56	-22.46	69.42	153.37	141.94	11.43	13.417		
1,200.00	1,179.82	1,189.98	1,181.76	6.29	6.04	-149.98	-34.23	80.79	180.93	168.75	12.18	14.859		
1,235.00	1,212.63	1,223.43	1,214.72	6.46	6.18	-149.92	-38.33	84.74	191.26	178.80	12.46	15.345		
1,300.00	1,273.43	1,285.42	1,275.81	6.79	6.43	-150.05	-45.92	92.07	210.78	197.78	12.99	16.220		
1,400.00	1,366.98	1,380.80	1,369.80	7.30	6.83	-150.21	-57.59	103.35	240.81	226.98	13.83	17.413		
1,500.00	1,460.52	1,476.19	1,463.79	7.84	7.24	-150.33	-69.27	114.63	270.84	256.15	14.68	18.444		
1,600.00	1,554.07	1,571.57	1,557.78	8.38	7.65	-150.43	-80.95	125.90	300.87	285.31	15.56	19.341		
1,700.00	1,647.61	1,666.95	1,651.77	8.93	8.07	-150.52	-92.63	137.18	330.90	314.45	16.44	20.124		
1,800.00	1,741.16	1,762.34	1,745.76	9.49	8.50	-150.58	-104.31	148.46	360.93	343.59	17.34	20.813		
1,900.00	1,834.70	1,857.72	1,839.75	10.06	8.92	-150.64	-115.99	159.74	390.96	372.71	18.25	21.422		
2,000.00	1,928.25	1,953.10	1,933.75	10.63	9.36	-150.69	-127.67	171.02	420.99	401.82	19.17	21.963		
2,100.00	2,021.79	2,048.49	2,027.74	11.21	9.79	-150.73	-139.34	182.29	451.02	430.93	20.09	22.446		
2,200.00	2,115.33	2,143.87	2,121.73	11.79	10.23	-150.77	-151.02	193.57	481.06	460.03	21.03	22.879		
2,300.00	2,208.88	2,239.25	2,215.72	12.37	10.67	-150.81	-162.70	204.85	511.09	489.13	21.96	23.270		
2,400.00	2,302.42	2,334.64	2,309.71	12.96	11.12	-150.83	-174.38	216.13	541.12	518.22	22.91	23.623		
2,500.00	2,395.97	2,430.02	2,403.70	13.55	11.56	-150.86	-186.06	227.40	571.16	547.30	23.85	23.943		
2,600.00	2,489.51	2,525.40	2,497.69	14.14	12.01	-150.88	-197.74	238.68	601.19	576.38	24.81	24.236		
2,700.00	2,583.06	2,620.79	2,591.69	14.74	12.46	-150.91	-209.42	249.96	631.22	605.46	25.76	24.503		
2,800.00	2,676.60	2,716.17	2,685.68	15.34	12.91	-150.93	-221.09	261.24	661.26	634.54	26.72	24.748		
2,900.00	2,770.14	2,811.55	2,779.67	15.93	13.36	-150.94	-232.77	272.52	691.29	663.61	27.68	24.974		
3,000.00	2,863.69	2,906.94	2,873.66	16.53	13.81	-150.96	-244.45	283.79	721.32	692.68	28.64	25.182		
3,100.00	2,957.23	3,002.32	2,967.65	17.13	14.26	-150.97	-256.13	295.07	751.36	721.75	29.61	25.375		
3,200.00	3,050.78	3,102.30	3,061.64	17.74	14.74	-150.99	-267.81	306.35	781.39	750.79	30.60	25.536		
3,300.00	3,144.32	3,206.91	3,155.63	18.34	15.24	-151.00	-279.49	317.63	811.42	779.81	31.61	25.667		
3,400.00	3,237.87	3,288.47	3,249.63	18.94	15.63	-151.01	-291.17	328.91	841.46	808.94	32.52	25.876		
3,500.00	3,331.41	3,383.85	3,343.62	19.55	16.08	-151.02	-302.85	340.18	871.49	838.00	33.49	26.021		
3,600.00	3,424.96	3,479.24	3,437.61	20.15	16.54	-151.03	-314.52	351.46	901.52	867.06	34.47	26.157		
3,666.72	3,487.37	3,542.87	3,500.32	20.56	16.84	-151.04	-322.32	358.99	921.56	886.44	35.12	26.242		
3,700.00	3,518.57	3,574.67	3,531.65	20.76	17.00	-151.14	-326.21	362.75	931.39	895.95	35.44	26.280		
3,800.00	3,613.09	3,670.77	3,626.35	21.34	17.46	-151.34	-337.98	374.11	958.99	922.58	36.41	26.336		
3,900.00	3,708.70	3,767.64	3,721.81	21.90	17.92	-151.40	-349.84	385.56	983.63	946.25	37.38	26.314		
4,000.00	3,805.27	3,865.16	3,817.90	22.44	18.39	-151.35	-361.77	397.09	1,005.31	966.97	38.34	26.219		
4,100.00	3,902.69	3,963.20	3,914.51	22.95	18.86	-151.19	-373.78	408.68	1,024.01	984.72	39.30	26.058		
4,200.00	4,000.84	4,061.65	4,011.52	23.43	19.34	-150.91	-385.83	420.32	1,039.75	999.51	40.24	25.837		
4,300.00	4,099.59	4,160.38	4,108.82	23.89	19.81	-150.52	-397.92	432.00	1,052.55	1,011.37	41.18	25.560		
4,400.00	4,198.84	4,259.29	4,206.28	24.32	20.29	-150.03	-410.03	443.69	1,062.41	1,020.31	42.10	25.233		
4,500.00	4,298.45	4,358.24	4,303.78	24.73	20.77	-149.43	-422.15	455.39	1,069.40	1,026.39	43.02	24.860		
4,600.00	4,398.30	4,457.11	4,401.22	25.11	21.25	-148.71	-434.25	467.08	1,073.56	1,029.64	43.92	24.446		
4,701.72	4,500.00	4,557.49	4,500.13	25.45	21.73	45.96	-446.54	478.95	1,074.95	1,030.16	44.79	23.998		
4,706.30	4,504.58	4,562.00	4,504.58	25.46	21.75	46.00	-447.10	479.49	1,074.95	1,030.12	44.83	23.977		
4,800.00	4,598.28	4,654.34	4,595.56	25.74	22.20	46.84	-458.40	490.40	1,075.07	1,029.45	45.62	23.568		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,752.88	4,692.67	26.04	22.68	47.73	-470.47	502.05	1,075.46	1,029.00	46.46	23.150		
5,000.00	4,798.28	4,851.42	4,789.77	26.34	23.15	48.62	-482.53	513.71	1,076.11	1,028.81	47.30	22.751		
5,100.00	4,898.28	4,949.96	4,886.87	26.65	23.63	49.52	-494.60	525.36	1,077.04	1,028.89	48.15	22.371		
5,200.00	4,998.28	5,048.50	4,983.98	26.96	24.11	50.40	-506.66	537.01	1,078.23	1,029.24	48.99	22.008		
5,300.00	5,098.28	5,147.04	5,081.08	27.27	24.59	51.29	-518.73	548.66	1,079.69	1,029.85	49.84	21.662		
5,400.00	5,198.28	5,245.58	5,178.18	27.59	25.07	52.18	-530.79	560.31	1,081.42	1,030.72	50.70	21.332		
5,500.00	5,298.28	5,344.12	5,275.28	27.91	25.54	53.06	-542.86	571.96	1,083.41	1,031.86	51.55	21.017		
5,600.00	5,398.28	5,442.66	5,372.39	28.23	26.02	53.94	-554.92	583.61	1,085.66	1,033.26	52.40	20.717		
5,700.00	5,498.28	5,541.21	5,469.49	28.56	26.50	54.81	-566.99	595.26	1,088.18	1,034.92	53.26	20.431		
5,800.00	5,598.28	5,639.75	5,566.59	28.89	26.98	55.68	-579.05	606.91	1,090.95	1,036.83	54.12	20.158		
5,900.00	5,698.28	5,738.29	5,663.70	29.22	27.46	56.55	-591.12	618.57	1,093.98	1,039.01	54.98	19.898		
6,000.00	5,798.28	5,836.83	5,760.80	29.56	27.94	57.41	-603.18	630.22	1,097.27	1,041.43	55.84	19.651		
6,100.00	5,898.28	5,935.37	5,857.90	29.90	28.42	58.27	-615.25	641.87	1,100.82	1,044.12	56.70	19.415		
6,200.00	5,998.28	6,033.91	5,955.00	30.24	28.90	59.12	-627.31	653.52	1,104.61	1,047.05	57.56	19.190		
6,300.00	6,098.28	6,132.45	6,052.11	30.58	29.37	59.96	-639.38	665.17	1,108.65	1,050.23	58.42	18.976		
6,400.00	6,198.28	6,230.99	6,152.15	30.92	29.84	60.80	-651.45	676.82	1,112.70	1,053.41	59.28	18.762		
6,500.00	6,298.28	6,326.53	6,248.69	31.27	30.31	61.64	-663.52	688.47	1,116.84	1,056.59	60.14	18.548		
6,600.00	6,398.28	6,432.07	6,350.75	31.62	30.78	62.48	-675.59	700.12	1,120.98	1,059.77	61.00	18.334		
6,700.00	6,498.28	6,507.61	6,422.29	31.97	31.25	63.32	-687.66	711.77	1,125.12	1,062.95	61.86	18.120		
6,794.10	6,592.38	6,596.86	6,512.44	32.31	31.72	64.16	-699.73	723.42	1,129.26	1,066.13	62.72	17.906		
6,800.00	6,598.28	6,602.40	6,518.98	32.33	31.74	64.18	-700.73	724.42	1,130.26	1,067.13	62.74	17.898		
6,850.00	6,648.21	6,652.93	6,568.11	32.51	31.90	64.37	-704.06	728.75	1,133.59	1,069.46	63.07	17.831		
6,900.00	6,697.79	6,702.51	6,617.69	32.69	32.06	64.56	-707.39	733.08	1,136.92	1,071.79	63.40	17.764		
6,950.00	6,746.73	6,751.45	6,666.63	32.86	32.22	64.75	-710.72	737.41	1,140.25	1,074.12	63.73	17.697		
7,000.00	6,794.71	6,800.19	6,715.01	33.03	32.38	64.94	-714.05	741.74	1,143.58	1,076.45	64.06	17.630		
7,050.00	6,841.44	6,848.61	6,761.74	33.20	32.54	65.13	-717.38	746.07	1,146.91	1,078.78	64.39	17.563		
7,100.00	6,886.64	6,894.45	6,806.95	33.35	32.69	65.32	-720.71	750.40	1,150.24	1,081.11	64.72	17.496		
7,150.00	6,930.03	6,938.84	6,840.34	33.50	32.84	65.51	-724.04	754.73	1,153.57	1,083.44	65.05	17.429		
7,200.00	6,971.33	6,980.14	6,881.64	33.64	32.99	65.70	-727.37	759.06	1,156.90	1,085.77	65.38	17.362		
7,250.00	7,010.30	7,019.11	6,922.61	33.77	33.14	65.89	-730.70	763.39	1,160.23	1,088.10	65.71	17.295		
7,300.00	7,046.69	7,055.50	6,963.00	33.89	33.29	66.08	-734.03	767.72	1,163.56	1,090.43	66.04	17.228		
7,350.00	7,080.28	7,089.09	6,996.59	34.00	33.44	66.27	-737.36	772.05	1,166.89	1,092.76	66.37	17.161		
7,400.00	7,110.86	7,119.67	7,027.17	34.11	33.59	66.46	-740.69	776.38	1,170.22	1,095.09	66.70	17.094		
7,450.00	7,138.25	7,147.06	7,054.56	34.21	33.74	66.65	-744.02	780.71	1,173.55	1,097.42	67.03	17.027		
7,500.00	7,162.27	7,171.08	7,078.58	34.32	33.89	66.84	-747.35	785.04	1,176.88	1,099.75	67.36	16.960		
7,546.39	7,181.41	7,190.22	7,100.72	34.42	34.04	67.03	-750.68	789.37	1,180.21	1,102.08	67.69	16.893		
7,550.00	7,182.77	7,191.58	7,101.08	34.43	34.05	67.04	-750.73	789.38	1,180.22	1,102.09	67.70	16.892		
7,600.00	7,199.64	7,208.45	7,117.95	34.57	34.19	67.18	-754.06	793.70	1,183.55	1,104.41	68.03	16.825		
7,650.00	7,212.76	7,221.57	7,131.07	34.76	34.38	67.37	-757.39	798.03	1,186.88	1,106.74	68.36	16.758		
7,700.00	7,222.06	7,230.87	7,140.37	35.02	34.64	67.56	-760.72	802.36	1,190.21	1,109.07	68.69	16.691		
7,750.00	7,227.47	7,236.28	7,145.78	35.37	34.99	67.81	-764.05	806.69	1,193.54	1,111.40	69.02	16.624		
7,793.42	7,229.00	7,237.89	7,147.31	35.74	35.36	68.06	-767.38	811.02	1,196.87	1,113.73	69.35	16.557		
7,800.00	7,229.01	7,237.90	7,147.32	35.80	35.37	68.07	-767.39	811.03	1,196.88	1,113.74	69.36	16.556		
7,900.00	7,229.11	7,238.01	7,147.43	36.91	36.48	69.18	-773.39	817.03	1,202.88	1,119.74	69.96	16.497		
8,000.00	7,229.22	7,238.12	7,147.54	38.28	37.85	70.55	-778.13	821.77	1,207.62	1,124.48	70.43	16.440		
8,100.00	7,229.33	7,238.23	7,147.65	39.83	39.40	72.10	-772.59	816.23	1,202.18	1,119.04	69.99	16.383		
8,200.00	7,229.43	7,186.51	7,035.87	41.53	33.68	-65.47	-767.52	515.82	520.21	456.73	63.48	8.195		
8,300.00	7,229.54	7,141.29	7,004.54	43.36	33.52	-62.32	-762.83	548.08	568.89	505.84	63.05	9.023		
8,400.00	7,229.65	7,100.00	6,974.01	45.30	33.39	-59.46	-758.35	575.50	625.17	562.32	62.86	9.946		
8,500.00	7,229.75	7,067.67	6,948.91	47.33	33.28	-57.27	-754.72	595.54	687.97	624.90	63.07	10.907		
8,600.00	7,229.86	7,037.70	6,924.76	49.45	33.19	-55.29	-751.27	612.95	756.26	692.89	63.37	11.934		
8,700.00	7,229.97	7,011.38	6,902.90	51.64	33.11	-53.60	-748.18	627.28	829.09	765.35	63.75	13.006		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,230.07	6,988.16	6,883.14	53.89	33.04	-52.15	-745.41	639.15	905.68	841.52	64.16	14.117		
8,900.00	7,230.18	6,967.57	6,865.27	56.19	32.97	-50.89	-742.93	649.06	985.36	920.80	64.57	15.261		
9,000.00	7,230.29	6,950.00	6,849.77	58.55	32.92	-49.85	-740.78	657.06	1,067.62	1,002.64	64.97	16.431		
9,100.00	7,230.39	6,932.81	6,834.40	60.94	32.87	-48.86	-738.67	664.46	1,152.02	1,086.70	65.32	17.637		
9,200.00	7,230.50	6,918.05	6,821.05	63.38	32.82	-48.03	-736.84	670.48	1,238.22	1,172.57	65.65	18.861		
9,300.00	7,230.61	6,900.00	6,804.53	65.85	32.77	-47.03	-734.59	677.41	1,325.96	1,260.08	65.88	20.128		
9,400.00	7,230.72	6,900.00	6,804.53	68.35	32.77	-47.03	-734.59	677.41	1,415.00	1,348.67	66.33	21.331		
9,500.00	7,230.82	6,881.63	6,787.53	70.87	32.71	-46.05	-732.29	683.98	1,505.06	1,438.58	66.47	22.642		
9,600.00	7,230.93	6,871.58	6,778.15	73.42	32.67	-45.53	-731.02	687.36	1,596.12	1,529.43	66.69	23.932		
9,700.00	7,231.04	6,850.00	6,757.84	75.99	32.61	-44.44	-728.30	694.12	1,688.17	1,621.41	66.76	25.288		
9,800.00	7,231.14	6,850.00	6,757.84	78.59	32.61	-44.44	-728.30	694.12	1,780.63	1,713.59	67.04	26.561		
9,900.00	7,231.25	6,850.00	6,757.84	81.19	32.61	-44.44	-728.30	694.12	1,873.87	1,806.58	67.28	27.851		
10,000.00	7,231.36	6,850.00	6,757.84	83.82	32.61	-44.44	-728.30	694.12	1,967.77	1,900.27	67.49	29.155		
10,100.00	7,231.46	6,832.11	6,740.84	86.46	32.55	-43.56	-726.03	699.19	2,061.92	1,994.38	67.54	30.531		
10,200.00	7,231.57	6,825.87	6,734.88	89.11	32.53	-43.26	-725.24	700.85	2,156.63	2,088.97	67.66	31.872		
10,300.00	7,231.68	6,820.05	6,729.30	91.77	32.51	-42.99	-724.49	702.34	2,251.73	2,183.95	67.78	33.219		
10,400.00	7,231.78	6,800.00	6,709.99	94.45	32.44	-42.06	-721.94	707.08	2,347.39	2,279.59	67.80	34.623		
10,500.00	7,231.89	6,800.00	6,709.99	97.14	32.44	-42.06	-721.94	707.08	2,443.02	2,375.08	67.94	35.958		
10,600.00	7,232.00	6,800.00	6,709.99	99.83	32.44	-42.06	-721.94	707.08	2,539.00	2,470.93	68.07	37.299		
10,700.00	7,232.10	6,800.00	6,709.99	102.53	32.44	-42.06	-721.94	707.08	2,635.27	2,567.08	68.19	38.646		
10,800.00	7,232.21	6,800.00	6,709.99	105.25	32.44	-42.06	-721.94	707.08	2,731.81	2,663.51	68.30	39.997		
10,900.00	7,232.32	6,800.00	6,709.99	107.96	32.44	-42.06	-721.94	707.08	2,828.59	2,760.19	68.40	41.353		
11,000.00	7,232.42	6,800.00	6,709.99	110.69	32.44	-42.06	-721.94	707.08	2,925.59	2,857.09	68.50	42.711		
11,100.00	7,232.53	6,800.00	6,709.99	113.42	32.44	-42.06	-721.94	707.08	3,022.78	2,954.20	68.59	44.072		
11,200.00	7,232.64	6,800.00	6,709.99	116.16	32.44	-42.06	-721.94	707.08	3,120.16	3,051.48	68.67	45.435		
11,300.00	7,232.74	6,778.18	6,688.81	118.90	32.36	-41.09	-719.15	711.54	3,217.24	3,148.58	68.67	46.854		
11,400.00	7,232.85	6,775.14	6,685.85	121.65	32.35	-40.96	-718.76	712.10	3,314.79	3,246.06	68.74	48.225		
11,500.00	7,232.96	6,772.25	6,683.03	124.41	32.34	-40.83	-718.40	712.63	3,412.47	3,343.66	68.80	49.597		
11,600.00	7,233.06	6,750.00	6,661.26	127.16	32.27	-39.90	-715.55	716.21	3,510.61	3,441.81	68.80	51.025		
11,700.00	7,233.17	6,750.00	6,661.26	129.92	32.27	-39.90	-715.55	716.21	3,608.42	3,539.54	68.88	52.387		
11,800.00	7,233.28	6,750.00	6,661.26	132.69	32.27	-39.90	-715.55	716.21	3,706.35	3,637.39	68.96	53.750		
11,900.00	7,233.38	6,750.00	6,661.26	135.46	32.27	-39.90	-715.55	716.21	3,804.39	3,735.36	69.03	55.112		
12,000.00	7,233.49	6,750.00	6,661.26	138.23	32.27	-39.90	-715.55	716.21	3,902.52	3,833.42	69.10	56.475		
12,100.00	7,233.60	6,750.00	6,661.26	141.01	32.27	-39.90	-715.55	716.21	4,000.75	3,931.58	69.17	57.837		
12,200.00	7,233.71	6,750.00	6,661.26	143.79	32.27	-39.90	-715.55	716.21	4,099.06	4,029.82	69.24	59.199		
12,300.00	7,233.81	6,750.00	6,661.26	146.57	32.27	-39.90	-715.55	716.21	4,197.46	4,128.15	69.31	60.560		
12,400.00	7,233.92	6,750.00	6,661.26	149.35	32.27	-39.90	-715.55	716.21	4,295.92	4,226.55	69.38	61.920		
12,500.00	7,234.03	6,750.00	6,661.26	152.14	32.27	-39.90	-715.55	716.21	4,394.46	4,325.02	69.45	63.280		
12,600.00	7,234.13	6,750.00	6,661.26	154.93	32.27	-39.90	-715.55	716.21	4,493.06	4,423.55	69.51	64.637		
12,700.00	7,234.24	6,750.00	6,661.26	157.72	32.27	-39.90	-715.55	716.21	4,591.72	4,522.15	69.58	65.994		
12,800.00	7,234.35	6,750.00	6,661.26	160.52	32.27	-39.90	-715.55	716.21	4,690.44	4,620.80	69.64	67.349		
12,900.00	7,234.45	6,750.00	6,661.26	163.31	32.27	-39.90	-715.55	716.21	4,789.21	4,719.50	69.71	68.702		
13,000.00	7,234.56	6,750.00	6,661.26	166.11	32.27	-39.90	-715.55	716.21	4,888.04	4,818.26	69.78	70.054		
13,100.00	7,234.67	6,750.00	6,661.26	168.91	32.27	-39.90	-715.55	716.21	4,986.90	4,917.06	69.84	71.403		
13,200.00	7,234.77	6,750.00	6,661.26	171.71	32.27	-39.90	-715.55	716.21	5,085.82	5,015.91	69.91	72.751		
13,300.00	7,234.88	6,750.00	6,661.26	174.52	32.27	-39.90	-715.55	716.21	5,184.77	5,114.80	69.97	74.096		
13,400.00	7,234.99	6,750.00	6,661.26	177.32	32.27	-39.90	-715.55	716.21	5,283.77	5,213.73	70.04	75.440		
13,500.00	7,235.09	6,750.00	6,661.26	180.13	32.27	-39.90	-715.55	716.21	5,382.80	5,312.69	70.11	76.781		
13,600.00	7,235.20	6,750.00	6,661.26	182.94	32.27	-39.90	-715.55	716.21	5,481.86	5,411.69	70.17	78.119		
13,700.00	7,235.31	6,750.00	6,661.26	185.74	32.27	-39.90	-715.55	716.21	5,580.96	5,510.72	70.24	79.456		
13,800.00	7,235.41	6,750.00	6,661.26	188.56	32.27	-39.90	-715.55	716.21	5,680.09	5,609.79	70.31	80.789		
13,900.00	7,235.52	6,750.00	6,661.26	191.37	32.27	-39.90	-715.55	716.21	5,779.26	5,708.88	70.38	82.120		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	6,750.00	6,661.26	194.18	32.27	-39.90	-715.55	716.21	5,878.45	5,808.00	70.44	83.449		
14,100.00	7,235.73	6,727.55	6,639.18	197.00	32.18	-39.00	-712.69	719.05	5,977.23	5,906.76	70.47	84.824		
14,200.00	7,235.84	6,726.52	6,638.16	199.81	32.18	-38.95	-712.56	719.17	6,076.43	6,005.89	70.53	86.149		
14,300.00	7,235.95	6,725.52	6,637.17	202.63	32.18	-38.92	-712.43	719.27	6,175.65	6,105.05	70.60	87.471		
14,400.00	7,236.05	6,724.55	6,636.22	205.44	32.17	-38.88	-712.31	719.37	6,274.90	6,204.23	70.67	88.790		
14,500.00	7,236.16	6,723.60	6,635.28	208.26	32.17	-38.84	-712.19	719.47	6,374.17	6,303.43	70.74	90.106		
14,600.00	7,236.27	6,722.69	6,634.38	211.08	32.17	-38.80	-712.07	719.57	6,473.46	6,402.65	70.81	91.418		
14,700.00	7,236.37	6,700.00	6,611.96	213.90	32.08	-37.94	-709.18	721.47	6,573.18	6,502.34	70.84	92.788		
14,800.00	7,236.48	6,700.00	6,611.96	216.72	32.08	-37.94	-709.18	721.47	6,672.48	6,601.57	70.91	94.092		
14,900.00	7,236.59	6,700.00	6,611.96	219.55	32.08	-37.94	-709.18	721.47	6,771.80	6,700.81	70.99	95.393		
15,000.00	7,236.69	6,700.00	6,611.96	222.37	32.08	-37.94	-709.18	721.47	6,871.14	6,800.08	71.06	96.690		
15,100.00	7,236.80	6,700.00	6,611.96	225.19	32.08	-37.94	-709.18	721.47	6,970.50	6,899.36	71.14	97.984		
15,200.00	7,236.91	6,700.00	6,611.96	228.02	32.08	-37.94	-709.18	721.47	7,069.88	6,998.66	71.21	99.275		
15,300.00	7,237.02	6,700.00	6,611.96	230.84	32.08	-37.94	-709.18	721.47	7,169.27	7,097.98	71.29	100.563		
15,400.00	7,237.12	6,700.00	6,611.96	233.67	32.08	-37.94	-709.18	721.47	7,268.68	7,197.31	71.37	101.847		
15,500.00	7,237.23	6,700.00	6,611.96	236.50	32.08	-37.94	-709.18	721.47	7,368.11	7,296.66	71.45	103.128		
15,600.00	7,237.34	6,700.00	6,611.96	239.32	32.08	-37.94	-709.18	721.47	7,467.55	7,396.02	71.52	104.405		
15,700.00	7,237.44	6,700.00	6,611.96	242.15	32.08	-37.94	-709.18	721.47	7,567.00	7,495.40	71.60	105.679		
15,800.00	7,237.55	6,700.00	6,611.96	244.98	32.08	-37.94	-709.18	721.47	7,666.47	7,594.79	71.68	106.949		
15,900.00	7,237.66	6,700.00	6,611.96	247.81	32.08	-37.94	-709.18	721.47	7,765.96	7,694.19	71.76	108.215		
16,000.00	7,237.76	6,700.00	6,611.96	250.64	32.08	-37.94	-709.18	721.47	7,865.45	7,793.61	71.84	109.478		
16,100.00	7,237.87	6,700.00	6,611.96	253.47	32.08	-37.94	-709.18	721.47	7,964.96	7,893.04	71.93	110.738		
16,200.00	7,237.98	6,700.00	6,611.96	256.30	32.08	-37.94	-709.18	721.47	8,064.49	7,992.48	72.01	111.993		
16,300.00	7,238.08	6,700.00	6,611.96	259.13	32.08	-37.94	-709.18	721.47	8,164.02	8,091.93	72.09	113.245		
16,400.00	7,238.19	6,700.00	6,611.96	261.96	32.08	-37.94	-709.18	721.47	8,263.56	8,191.39	72.17	114.493		
16,500.00	7,238.30	6,700.00	6,611.96	264.79	32.08	-37.94	-709.18	721.47	8,363.12	8,290.86	72.26	115.738		
16,600.00	7,238.40	6,700.00	6,611.96	267.63	32.08	-37.94	-709.18	721.47	8,462.69	8,390.34	72.34	116.978		
16,700.00	7,238.51	6,700.00	6,611.96	270.46	32.08	-37.94	-709.18	721.47	8,562.26	8,489.83	72.43	118.215		
16,800.00	7,238.62	6,700.00	6,611.96	273.29	32.08	-37.94	-709.18	721.47	8,661.85	8,589.33	72.52	119.448		
16,900.00	7,238.72	6,700.00	6,611.96	276.13	32.08	-37.94	-709.18	721.47	8,761.44	8,688.84	72.60	120.677		
17,000.00	7,238.83	6,700.00	6,611.96	278.96	32.08	-37.94	-709.18	721.47	8,861.05	8,788.36	72.69	121.902		
17,100.00	7,238.94	6,700.00	6,611.96	281.80	32.08	-37.94	-709.18	721.47	8,960.66	8,887.88	72.78	123.124		
17,200.00	7,239.04	6,700.00	6,611.96	284.63	32.08	-37.94	-709.18	721.47	9,060.28	8,987.42	72.87	124.341		
17,300.00	7,239.15	6,700.00	6,611.96	287.47	32.08	-37.94	-709.18	721.47	9,159.91	9,086.96	72.96	125.554		
17,400.00	7,239.26	6,700.00	6,611.96	290.30	32.08	-37.94	-709.18	721.47	9,259.55	9,186.50	73.05	126.764		
17,500.00	7,239.36	6,700.00	6,611.96	293.14	32.08	-37.94	-709.18	721.47	9,359.20	9,286.06	73.14	127.969		
17,600.00	7,239.47	6,700.00	6,611.96	295.98	32.08	-37.94	-709.18	721.47	9,458.85	9,385.62	73.23	129.170		
17,700.00	7,239.58	6,700.00	6,611.96	298.81	32.08	-37.94	-709.18	721.47	9,558.51	9,485.19	73.32	130.368		
17,800.00	7,239.68	6,700.00	6,611.96	301.65	32.08	-37.94	-709.18	721.47	9,658.18	9,584.76	73.41	131.561		
17,900.00	7,239.79	6,700.00	6,611.96	304.49	32.08	-37.94	-709.18	721.47	9,757.85	9,684.35	73.51	132.750		
18,000.00	7,239.90	6,700.00	6,611.96	307.33	32.08	-37.94	-709.18	721.47	9,857.53	9,783.93	73.60	133.935		
18,095.23	7,240.00	6,700.00	6,611.96	310.03	32.08	-37.94	-709.18	721.47	9,952.46	9,878.77	73.69	135.060		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	59.75	5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.75	5.85	60.03	53.47	6.57	9.139		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.75	5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	171.99	59.75	5.85	61.76	54.88	6.89	8.971		
400.00	399.84	401.11	401.08	3.59	3.60	173.90	58.60	7.21	65.99	58.80	7.19	9.174		
500.00	499.45	502.01	501.84	3.79	3.80	178.23	55.16	11.29	72.03	64.44	7.59	9.490		
600.00	598.70	602.49	601.92	4.03	4.03	-175.92	49.47	18.05	80.50	72.43	8.07	9.977		
700.00	697.47	702.33	701.01	4.31	4.30	-169.46	41.58	27.42	92.05	83.43	8.62	10.681		
800.00	795.62	801.25	798.71	4.64	4.61	-163.17	31.60	39.27	107.18	97.94	9.23	11.610		
900.00	893.06	901.03	895.03	5.00	4.95	-158.46	21.00	51.86	126.32	116.41	9.91	12.749		
1,000.00	989.64	1,003.89	990.77	5.40	5.32	-155.47	10.46	64.38	149.13	138.48	10.65	14.008		
1,100.00	1,085.27	1,107.46	1,085.83	5.83	5.71	-153.71	-0.01	76.81	175.23	163.80	11.43	15.329		
1,200.00	1,179.82	1,188.17	1,180.09	6.29	6.03	-152.76	-10.39	89.14	204.39	192.23	12.16	16.808		
1,235.00	1,212.63	1,221.43	1,212.87	6.46	6.17	-152.57	-14.00	93.42	215.31	202.86	12.45	17.299		
1,300.00	1,273.43	1,283.07	1,273.64	6.79	6.42	-152.48	-20.69	101.37	235.90	222.93	12.97	18.186		
1,400.00	1,366.98	1,377.91	1,367.12	7.30	6.82	-152.37	-30.98	113.59	267.60	253.80	13.80	19.393		
1,500.00	1,460.52	1,472.76	1,460.61	7.84	7.22	-152.28	-41.27	125.81	299.29	284.65	14.65	20.434		
1,600.00	1,554.07	1,567.60	1,554.10	8.38	7.63	-152.21	-51.57	138.04	330.99	315.48	15.51	21.338		
1,700.00	1,647.61	1,662.44	1,647.59	8.93	8.05	-152.15	-61.86	150.26	362.68	346.29	16.39	22.127		
1,800.00	1,741.16	1,757.29	1,741.07	9.49	8.47	-152.10	-72.15	162.48	394.38	377.10	17.28	22.819		
1,900.00	1,834.70	1,852.13	1,834.56	10.06	8.90	-152.06	-82.45	174.71	426.07	407.89	18.18	23.430		
2,000.00	1,928.25	1,946.98	1,928.05	10.63	9.33	-152.02	-92.74	186.93	457.77	438.67	19.10	23.972		
2,100.00	2,021.79	2,041.82	2,021.54	11.21	9.76	-151.99	-103.03	199.15	489.47	469.45	20.01	24.455		
2,200.00	2,115.33	2,136.66	2,115.02	11.79	10.19	-151.96	-113.32	211.38	521.16	500.22	20.94	24.888		
2,300.00	2,208.88	2,231.51	2,208.51	12.37	10.63	-151.94	-123.62	223.60	552.86	530.99	21.87	25.277		
2,400.00	2,302.42	2,326.35	2,302.00	12.96	11.07	-151.92	-133.91	235.83	584.56	561.75	22.81	25.629		
2,500.00	2,395.97	2,421.19	2,395.49	13.55	11.51	-151.90	-144.20	248.05	616.25	592.50	23.75	25.948		
2,600.00	2,489.51	2,516.04	2,488.98	14.14	11.96	-151.88	-154.50	260.27	647.95	623.25	24.69	26.238		
2,700.00	2,583.06	2,610.88	2,582.46	14.74	12.40	-151.86	-164.79	272.50	679.65	654.00	25.64	26.504		
2,800.00	2,676.60	2,705.72	2,675.95	15.34	12.85	-151.85	-175.08	284.72	711.34	684.75	26.60	26.747		
2,900.00	2,770.14	2,800.57	2,769.44	15.93	13.29	-151.84	-185.38	296.94	743.04	715.49	27.55	26.971		
3,000.00	2,863.69	2,904.59	2,862.93	16.53	13.78	-151.82	-195.67	309.17	774.74	746.18	28.55	27.136		
3,100.00	2,957.23	2,999.25	2,956.41	17.13	14.19	-151.81	-205.96	321.39	806.43	776.97	29.47	27.368		
3,200.00	3,050.78	3,085.10	3,049.90	17.74	14.64	-151.80	-216.26	333.61	838.13	807.70	30.43	27.545		
3,300.00	3,144.32	3,179.94	3,143.39	18.34	15.09	-151.79	-226.55	345.84	869.83	838.43	31.39	27.709		
3,400.00	3,237.87	3,274.78	3,236.88	18.94	15.54	-151.78	-236.84	358.06	901.52	869.17	32.36	27.862		
3,500.00	3,331.41	3,369.63	3,330.36	19.55	16.00	-151.77	-247.14	370.28	933.22	899.90	33.32	28.005		
3,600.00	3,424.96	3,464.47	3,423.85	20.15	16.45	-151.77	-257.43	382.51	964.92	930.62	34.29	28.138		
3,666.72	3,487.37	3,527.75	3,486.22	20.56	16.75	-151.76	-264.30	390.66	986.06	951.12	34.94	28.223		
3,700.00	3,518.57	3,559.37	3,517.39	20.76	16.90	-151.86	-267.73	394.74	996.45	961.19	35.26	28.260		
3,800.00	3,613.09	3,654.98	3,611.63	21.34	17.36	-152.06	-278.10	407.06	1,025.71	989.48	36.23	28.314		
3,900.00	3,708.70	3,751.40	3,706.68	21.90	17.82	-152.14	-288.57	419.49	1,052.00	1,014.82	37.19	28.289		
4,000.00	3,805.27	3,848.53	3,802.42	22.44	18.29	-152.10	-299.11	432.01	1,075.33	1,037.18	38.14	28.192		
4,100.00	3,902.69	3,946.24	3,898.73	22.95	18.76	-151.97	-309.71	444.60	1,095.67	1,056.58	39.09	28.028		
4,200.00	4,000.84	4,044.41	3,995.50	23.43	19.23	-151.73	-320.37	457.25	1,113.03	1,073.00	40.03	27.803		
4,300.00	4,099.59	4,142.92	4,092.60	23.89	19.70	-151.38	-331.06	469.95	1,127.42	1,086.46	40.96	27.523		
4,400.00	4,198.84	4,241.66	4,189.93	24.32	20.18	-150.94	-341.78	482.67	1,138.87	1,096.98	41.88	27.192		
4,500.00	4,298.45	4,340.50	4,287.35	24.73	20.66	-150.40	-352.50	495.41	1,147.40	1,104.61	42.79	26.816		
4,600.00	4,398.30	4,439.32	4,384.76	25.11	21.13	-149.76	-363.23	508.15	1,153.06	1,109.37	43.68	26.397		
4,701.72	4,500.00	4,539.70	4,483.71	25.45	21.62	44.83	-374.12	521.08	1,155.92	1,111.37	44.55	25.944		
4,800.00	4,598.28	4,636.57	4,579.20	25.74	22.08	45.64	-384.64	533.57	1,157.43	1,112.06	45.37	25.511		
4,900.00	4,698.28	4,735.14	4,676.36	26.04	22.56	46.45	-395.33	546.27	1,159.20	1,112.99	46.20	25.088		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,833.71	4,773.52	26.34	23.04	47.27	-406.03	558.98	1,161.21	1,114.17	47.04	24.685		
5,100.00	4,898.28	4,932.29	4,870.68	26.65	23.51	48.08	-416.73	571.68	1,163.46	1,115.58	47.88	24.299		
5,200.00	4,998.28	5,030.86	4,967.84	26.96	23.99	48.89	-427.43	584.39	1,165.95	1,117.23	48.72	23.930		
5,300.00	5,098.28	5,129.43	5,065.00	27.27	24.47	49.69	-438.12	597.09	1,168.68	1,119.11	49.57	23.578		
5,400.00	5,198.28	5,228.00	5,162.16	27.59	24.94	50.49	-448.82	609.79	1,171.65	1,121.23	50.41	23.241		
5,500.00	5,298.28	5,326.57	5,259.32	27.91	25.42	51.29	-459.52	622.50	1,174.84	1,123.58	51.26	22.919		
5,600.00	5,398.28	5,425.14	5,356.49	28.23	25.90	52.08	-470.22	635.20	1,178.28	1,126.17	52.11	22.611		
5,700.00	5,498.28	5,523.71	5,453.65	28.56	26.38	52.87	-480.91	647.90	1,181.94	1,128.98	52.96	22.316		
5,800.00	5,598.28	5,622.28	5,550.81	28.89	26.85	53.66	-491.61	660.61	1,185.83	1,132.01	53.82	22.035		
5,900.00	5,698.28	5,720.85	5,647.97	29.22	27.33	54.43	-502.31	673.31	1,189.94	1,135.27	54.67	21.766		
6,000.00	5,798.28	5,826.42	5,754.60	29.56	27.81	55.20	-513.01	686.01	1,194.05	1,138.53	55.52	21.500		
6,100.00	5,898.28	5,926.99	5,863.94	29.90	28.29	55.97	-523.71	698.71	1,198.16	1,141.79	56.37	21.234		
6,200.00	5,998.28	6,027.56	5,963.96	30.24	28.77	56.74	-534.41	711.41	1,202.27	1,145.03	57.22	20.968		
6,300.00	6,098.28	6,128.13	6,063.98	30.58	29.25	57.51	-545.11	724.11	1,206.38	1,148.27	58.07	20.702		
6,400.00	6,198.28	6,228.70	6,164.00	30.92	29.73	58.28	-555.81	736.81	1,210.49	1,151.51	58.92	20.436		
6,500.00	6,298.28	6,329.27	6,264.02	31.27	30.21	59.05	-566.51	749.51	1,214.60	1,154.75	59.77	20.170		
6,600.00	6,398.28	6,429.84	6,364.04	31.62	30.69	59.82	-577.21	762.21	1,218.71	1,157.99	60.62	19.904		
6,700.00	6,498.28	6,530.41	6,464.06	31.97	31.17	60.59	-587.91	774.91	1,222.82	1,161.23	61.47	19.638		
6,794.10	6,592.38	6,623.99	6,564.08	32.31	31.65	61.36	-598.61	787.61	1,226.93	1,164.47	62.32	19.372		
6,800.00	6,598.28	6,629.56	6,569.81	32.33	31.67	61.38	-598.63	787.63	1,226.95	1,164.49	62.34	19.370		
6,850.00	6,648.21	6,679.49	6,619.74	32.51	31.83	61.54	-600.21	790.19	1,228.01	1,165.53	62.49	19.300		
6,900.00	6,697.79	6,728.27	6,669.22	32.69	31.99	61.70	-601.79	792.75	1,229.07	1,166.57	62.64	19.230		
6,950.00	6,746.73	6,777.21	6,718.16	32.86	32.15	61.86	-603.37	795.31	1,230.13	1,167.61	62.79	19.160		
7,000.00	6,794.71	6,825.19	6,765.14	33.03	32.31	62.02	-604.95	797.87	1,231.19	1,168.65	62.94	19.090		
7,050.00	6,841.44	6,872.12	6,812.07	33.20	32.47	62.18	-606.53	800.43	1,232.25	1,169.69	63.09	19.020		
7,068.66	6,858.51	6,889.23	6,829.14	33.26	32.51	62.22	-606.99	800.89	1,232.51	1,169.83	63.13	19.000		
7,100.00	6,886.64	6,917.26	6,857.16	33.35	32.60	62.31	-607.62	801.52	1,233.04	1,170.26	63.18	18.975		
7,150.00	6,930.03	6,960.65	6,899.53	33.50	32.75	62.46	-609.21	803.11	1,234.11	1,171.33	63.29	18.905		
7,200.00	6,971.33	7,001.95	6,940.83	33.64	32.89	62.60	-610.80	804.70	1,235.18	1,172.40	63.40	18.835		
7,250.00	7,010.30	7,040.92	6,980.39	33.77	33.02	62.74	-612.39	806.29	1,236.25	1,173.47	63.51	18.765		
7,300.00	7,046.69	7,081.31	7,016.86	33.89	33.16	62.88	-613.98	807.88	1,237.32	1,174.54	63.62	18.695		
7,350.00	7,080.28	7,114.90	7,050.45	34.00	33.29	63.02	-615.57	809.47	1,238.39	1,175.61	63.73	18.625		
7,400.00	7,110.86	7,145.49	7,080.99	34.11	33.42	63.16	-617.16	811.06	1,239.46	1,176.68	63.84	18.555		
7,450.00	7,138.25	7,173.08	7,108.59	34.21	33.55	63.30	-618.75	812.65	1,240.53	1,177.75	63.95	18.485		
7,500.00	7,162.27	7,197.10	7,132.61	34.32	33.68	63.44	-620.34	814.24	1,241.60	1,178.82	64.06	18.415		
7,550.00	7,182.77	7,217.60	7,153.11	34.43	33.81	63.58	-621.93	815.83	1,242.67	1,179.89	64.17	18.345		
7,600.00	7,199.64	7,234.57	7,170.08	34.57	33.95	63.72	-623.52	817.42	1,243.74	1,180.96	64.28	18.275		
7,650.00	7,212.76	7,247.69	7,183.20	34.76	34.08	63.86	-625.11	819.01	1,244.81	1,182.03	64.39	18.205		
7,700.00	7,222.06	7,256.99	7,192.50	35.02	34.34	64.00	-626.70	820.60	1,245.88	1,183.10	64.50	18.135		
7,750.00	7,227.47	7,262.40	7,197.91	35.37	34.69	64.14	-628.29	822.19	1,246.95	1,184.17	64.61	18.065		
7,793.42	7,229.00	7,264.00	7,199.42	35.74	35.06	64.28	-629.88	823.78	1,247.54	1,184.76	64.72	18.000		
7,800.00	7,229.01	7,264.01	7,199.43	35.80	35.12	64.30	-629.94	823.84	1,247.60	1,184.82	64.74	18.000		
7,900.00	7,229.11	7,264.11	7,199.53	36.91	36.23	65.41	-640.05	833.95	1,247.71	1,184.93	64.85	17.930		
8,000.00	7,229.22	7,264.22	7,199.64	38.28	37.60	66.52	-650.16	844.06	1,247.82	1,185.04	64.96	17.860		
8,100.00	7,229.33	7,264.33	7,199.75	39.83	39.15	67.63	-660.27	854.17	1,247.93	1,185.15	65.07	17.790		
8,200.00	7,229.43	7,264.43	7,199.85	41.53	40.85	68.74	-670.38	864.28	1,248.04	1,185.26	65.18	17.720		
8,300.00	7,229.54	7,264.54	7,199.96	43.36	42.68	69.85	-680.49	874.39	1,248.15	1,185.37	65.29	17.650		
8,400.00	7,229.65	7,264.65	7,200.07	45.30	44.62	70.96	-690.60	884.50	1,248.26	1,185.48	65.40	17.580		
8,500.00	7,229.75	7,264.75	7,200.17	47.33	46.65	72.07	-700.71	894.61	1,248.37	1,185.59	65.51	17.510		
8,600.00	7,229.86	7,264.86	7,200.28	49.45	48.77	73.18	-710.82	904.72	1,248.48	1,185.70	65.62	17.440		
8,700.00	7,229.97	7,264.97	7,200.38	51.64	50.96	74.29	-720.93	914.83	1,248.59	1,185.81	65.73	17.370		
8,800.00	7,230.07	7,265.07	7,200.49	53.89	53.21	75.40	-731.04	924.94	1,248.70	1,185.92	65.84	17.300		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,750.00	6,634.14	56.19	31.68	-43.96	-617.06	606.14	1,179.60	1,120.00	59.60	19.792		
9,000.00	7,230.29	6,726.63	6,615.79	58.55	31.60	-43.21	-614.51	620.39	1,252.29	1,191.90	60.39	20.737		
9,100.00	7,230.39	6,700.00	6,594.26	60.94	31.51	-42.37	-611.57	635.78	1,327.61	1,266.60	61.01	21.759		
9,200.00	7,230.50	6,700.00	6,594.26	63.38	31.51	-42.37	-611.57	635.78	1,405.31	1,343.25	62.06	22.643		
9,300.00	7,230.61	6,670.38	6,569.58	65.85	31.41	-41.44	-608.25	651.81	1,484.75	1,422.28	62.47	23.769		
9,400.00	7,230.72	6,650.00	6,552.18	68.35	31.34	-40.81	-605.93	662.16	1,566.17	1,503.20	62.97	24.871		
9,500.00	7,230.82	6,650.00	6,552.18	70.87	31.34	-40.81	-605.93	662.16	1,649.23	1,585.53	63.71	25.888		
9,600.00	7,230.93	6,626.74	6,531.93	73.42	31.27	-40.11	-603.27	673.28	1,733.53	1,669.49	64.04	27.068		
9,700.00	7,231.04	6,600.00	6,508.16	75.99	31.18	-39.31	-600.18	685.13	1,819.39	1,755.09	64.30	28.295		
9,800.00	7,231.14	6,600.00	6,508.16	78.59	31.18	-39.31	-600.18	685.13	1,905.96	1,841.12	64.84	29.396		
9,900.00	7,231.25	6,600.00	6,508.16	81.19	31.18	-39.31	-600.18	685.13	1,993.78	1,928.48	65.31	30.529		
10,000.00	7,231.36	6,600.00	6,508.16	83.82	31.18	-39.31	-600.18	685.13	2,082.71	2,016.99	65.72	31.691		
10,100.00	7,231.46	6,572.97	6,483.65	86.46	31.10	-38.52	-597.04	696.08	2,171.87	2,106.02	65.85	32.980		
10,200.00	7,231.57	6,550.00	6,462.47	89.11	31.02	-37.86	-594.35	704.56	2,262.28	2,196.27	66.01	34.271		
10,300.00	7,231.68	6,550.00	6,462.47	91.77	31.02	-37.86	-594.35	704.56	2,352.98	2,286.65	66.34	35.471		
10,400.00	7,231.78	6,550.00	6,462.47	94.45	31.02	-37.86	-594.35	704.56	2,444.41	2,377.79	66.62	36.690		
10,500.00	7,231.89	6,550.00	6,462.47	97.14	31.02	-37.86	-594.35	704.56	2,536.49	2,469.60	66.88	37.923		
10,600.00	7,232.00	6,550.00	6,462.47	99.83	31.02	-37.86	-594.35	704.56	2,629.14	2,562.02	67.12	39.171		
10,700.00	7,232.10	6,528.33	6,442.22	102.53	30.95	-37.26	-591.81	711.84	2,721.87	2,654.66	67.21	40.496		
10,800.00	7,232.21	6,522.34	6,436.57	105.25	30.93	-37.09	-591.11	713.73	2,815.24	2,747.85	67.39	41.778		
10,900.00	7,232.32	6,500.00	6,415.39	107.96	30.86	-36.49	-588.48	720.31	2,909.24	2,841.78	67.47	43.122		
11,000.00	7,232.42	6,500.00	6,415.39	110.69	30.86	-36.49	-588.48	720.31	3,003.19	2,935.54	67.65	44.394		
11,100.00	7,232.53	6,500.00	6,415.39	113.42	30.86	-36.49	-588.48	720.31	3,097.52	3,029.70	67.82	45.674		
11,200.00	7,232.64	6,500.00	6,415.39	116.16	30.86	-36.49	-588.48	720.31	3,192.19	3,124.22	67.98	46.961		
11,300.00	7,232.74	6,500.00	6,415.39	118.90	30.86	-36.49	-588.48	720.31	3,287.18	3,219.06	68.12	48.254		
11,400.00	7,232.85	6,500.00	6,415.39	121.65	30.86	-36.49	-588.48	720.31	3,382.46	3,314.20	68.26	49.553		
11,500.00	7,232.96	6,500.00	6,415.39	124.41	30.86	-36.49	-588.48	720.31	3,478.01	3,409.62	68.39	50.856		
11,600.00	7,233.06	6,500.00	6,415.39	127.16	30.86	-36.49	-588.48	720.31	3,573.79	3,505.28	68.51	52.164		
11,700.00	7,233.17	6,500.00	6,415.39	129.92	30.86	-36.49	-588.48	720.31	3,669.81	3,601.18	68.63	53.475		
11,800.00	7,233.28	6,476.89	6,393.24	132.69	30.78	-35.88	-585.76	726.32	3,765.54	3,696.87	68.67	54.836		
11,900.00	7,233.38	6,473.43	6,389.91	135.46	30.77	-35.79	-585.36	727.15	3,861.80	3,793.03	68.77	56.156		
12,000.00	7,233.49	6,450.00	6,367.22	138.23	30.69	-35.19	-582.60	732.29	3,958.59	3,889.78	68.81	57.529		
12,100.00	7,233.60	6,450.00	6,367.22	141.01	30.69	-35.19	-582.60	732.29	4,055.06	3,986.14	68.92	58.841		
12,200.00	7,233.71	6,450.00	6,367.22	143.79	30.69	-35.19	-582.60	732.29	4,151.70	4,082.68	69.02	60.156		
12,300.00	7,233.81	6,450.00	6,367.22	146.57	30.69	-35.19	-582.60	732.29	4,248.49	4,179.38	69.11	61.471		
12,400.00	7,233.92	6,450.00	6,367.22	149.35	30.69	-35.19	-582.60	732.29	4,345.43	4,276.22	69.21	62.789		
12,500.00	7,234.03	6,450.00	6,367.22	152.14	30.69	-35.19	-582.60	732.29	4,442.50	4,373.21	69.30	64.107		
12,600.00	7,234.13	6,450.00	6,367.22	154.93	30.69	-35.19	-582.60	732.29	4,539.71	4,470.32	69.39	65.425		
12,700.00	7,234.24	6,450.00	6,367.22	157.72	30.69	-35.19	-582.60	732.29	4,637.03	4,567.55	69.47	66.744		
12,800.00	7,234.35	6,450.00	6,367.22	160.52	30.69	-35.19	-582.60	732.29	4,734.46	4,664.90	69.56	68.064		
12,900.00	7,234.45	6,450.00	6,367.22	163.31	30.69	-35.19	-582.60	732.29	4,832.00	4,762.35	69.64	69.383		
13,000.00	7,234.56	6,450.00	6,367.22	166.11	30.69	-35.19	-582.60	732.29	4,929.63	4,859.91	69.72	70.702		
13,100.00	7,234.67	6,450.00	6,367.22	168.91	30.69	-35.19	-582.60	732.29	5,027.36	4,957.56	69.80	72.020		
13,200.00	7,234.77	6,450.00	6,367.22	171.71	30.69	-35.19	-582.60	732.29	5,125.18	5,055.29	69.88	73.338		
13,300.00	7,234.88	6,450.00	6,367.22	174.52	30.69	-35.19	-582.60	732.29	5,223.08	5,153.11	69.96	74.655		
13,400.00	7,234.99	6,450.00	6,367.22	177.32	30.69	-35.19	-582.60	732.29	5,321.05	5,251.01	70.04	75.971		
13,500.00	7,235.09	6,450.00	6,367.22	180.13	30.69	-35.19	-582.60	732.29	5,419.10	5,348.99	70.12	77.286		
13,600.00	7,235.20	6,450.00	6,367.22	182.94	30.69	-35.19	-582.60	732.29	5,517.23	5,447.03	70.19	78.599		
13,700.00	7,235.31	6,450.00	6,367.22	185.74	30.69	-35.19	-582.60	732.29	5,615.41	5,545.14	70.27	79.912		
13,800.00	7,235.41	6,450.00	6,367.22	188.56	30.69	-35.19	-582.60	732.29	5,713.66	5,643.32	70.35	81.222		
13,900.00	7,235.52	6,426.38	6,344.16	191.37	30.61	-34.60	-579.83	736.62	5,811.49	5,741.10	70.39	82.561		
14,000.00	7,235.63	6,424.77	6,342.59	194.18	30.60	-34.56	-579.65	736.88	5,909.79	5,839.32	70.46	83.869		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	6,423.21	6,341.06	197.00	30.60	-34.52	-579.46	737.13	6,008.14	5,937.60	70.54	85.175		
14,200.00	7,235.84	6,400.00	6,318.25	199.81	30.52	-33.96	-576.75	740.43	6,106.95	6,036.36	70.59	86.517		
14,300.00	7,235.95	6,400.00	6,318.25	202.63	30.52	-33.96	-576.75	740.43	6,205.34	6,134.68	70.66	87.815		
14,400.00	7,236.05	6,400.00	6,318.25	205.44	30.52	-33.96	-576.75	740.43	6,303.79	6,233.05	70.74	89.111		
14,500.00	7,236.16	6,400.00	6,318.25	208.26	30.52	-33.96	-576.75	740.43	6,402.28	6,331.46	70.82	90.405		
14,600.00	7,236.27	6,400.00	6,318.25	211.08	30.52	-33.96	-576.75	740.43	6,500.82	6,429.93	70.89	91.697		
14,700.00	7,236.37	6,400.00	6,318.25	213.90	30.52	-33.96	-576.75	740.43	6,599.40	6,528.43	70.97	92.987		
14,800.00	7,236.48	6,400.00	6,318.25	216.72	30.52	-33.96	-576.75	740.43	6,698.03	6,626.98	71.05	94.274		
14,900.00	7,236.59	6,400.00	6,318.25	219.55	30.52	-33.96	-576.75	740.43	6,796.69	6,725.57	71.13	95.559		
15,000.00	7,236.69	6,400.00	6,318.25	222.37	30.52	-33.96	-576.75	740.43	6,895.40	6,824.20	71.20	96.841		
15,100.00	7,236.80	6,400.00	6,318.25	225.19	30.52	-33.96	-576.75	740.43	6,994.14	6,922.86	71.28	98.121		
15,200.00	7,236.91	6,400.00	6,318.25	228.02	30.52	-33.96	-576.75	740.43	7,092.92	7,021.56	71.36	99.398		
15,300.00	7,237.02	6,400.00	6,318.25	230.84	30.52	-33.96	-576.75	740.43	7,191.73	7,120.29	71.44	100.672		
15,400.00	7,237.12	6,400.00	6,318.25	233.67	30.52	-33.96	-576.75	740.43	7,290.57	7,219.05	71.52	101.944		
15,500.00	7,237.23	6,400.00	6,318.25	236.50	30.52	-33.96	-576.75	740.43	7,389.44	7,317.85	71.59	103.213		
15,600.00	7,237.34	6,400.00	6,318.25	239.32	30.52	-33.96	-576.75	740.43	7,488.34	7,416.67	71.67	104.478		
15,700.00	7,237.44	6,400.00	6,318.25	242.15	30.52	-33.96	-576.75	740.43	7,587.28	7,515.52	71.75	105.741		
15,800.00	7,237.55	6,400.00	6,318.25	244.98	30.52	-33.96	-576.75	740.43	7,686.24	7,614.40	71.83	107.001		
15,900.00	7,237.66	6,400.00	6,318.25	247.81	30.52	-33.96	-576.75	740.43	7,785.22	7,713.31	71.91	108.258		
16,000.00	7,237.76	6,400.00	6,318.25	250.64	30.52	-33.96	-576.75	740.43	7,884.23	7,812.24	71.99	109.512		
16,100.00	7,237.87	6,400.00	6,318.25	253.47	30.52	-33.96	-576.75	740.43	7,983.27	7,911.20	72.08	110.762		
16,200.00	7,237.98	6,400.00	6,318.25	256.30	30.52	-33.96	-576.75	740.43	8,082.33	8,010.17	72.16	112.010		
16,300.00	7,238.08	6,400.00	6,318.25	259.13	30.52	-33.96	-576.75	740.43	8,181.41	8,109.18	72.24	113.254		
16,400.00	7,238.19	6,400.00	6,318.25	261.96	30.52	-33.96	-576.75	740.43	8,280.52	8,208.20	72.32	114.494		
16,500.00	7,238.30	6,400.00	6,318.25	264.79	30.52	-33.96	-576.75	740.43	8,379.65	8,307.24	72.41	115.732		
16,600.00	7,238.40	6,400.00	6,318.25	267.63	30.52	-33.96	-576.75	740.43	8,478.79	8,406.30	72.49	116.966		
16,700.00	7,238.51	6,400.00	6,318.25	270.46	30.52	-33.96	-576.75	740.43	8,577.96	8,505.39	72.57	118.197		
16,800.00	7,238.62	6,400.00	6,318.25	273.29	30.52	-33.96	-576.75	740.43	8,677.15	8,604.49	72.66	119.424		
16,900.00	7,238.72	6,400.00	6,318.25	276.13	30.52	-33.96	-576.75	740.43	8,776.35	8,703.61	72.74	120.648		
17,000.00	7,238.83	6,400.00	6,318.25	278.96	30.52	-33.96	-576.75	740.43	8,875.57	8,802.74	72.83	121.868		
17,100.00	7,238.94	6,400.00	6,318.25	281.80	30.52	-33.96	-576.75	740.43	8,974.81	8,901.90	72.92	123.085		
17,200.00	7,239.04	6,400.00	6,318.25	284.63	30.52	-33.96	-576.75	740.43	9,074.07	9,001.07	73.00	124.298		
17,300.00	7,239.15	6,400.00	6,318.25	287.47	30.52	-33.96	-576.75	740.43	9,173.34	9,100.25	73.09	125.508		
17,400.00	7,239.26	6,400.00	6,318.25	290.30	30.52	-33.96	-576.75	740.43	9,272.63	9,199.45	73.18	126.714		
17,500.00	7,239.36	6,400.00	6,318.25	293.14	30.52	-33.96	-576.75	740.43	9,371.93	9,298.67	73.27	127.917		
17,600.00	7,239.47	6,400.00	6,318.25	295.98	30.52	-33.96	-576.75	740.43	9,471.25	9,397.90	73.36	129.115		
17,700.00	7,239.58	6,400.00	6,318.25	298.81	30.52	-33.96	-576.75	740.43	9,570.58	9,497.14	73.44	130.310		
17,800.00	7,239.68	6,400.00	6,318.25	301.65	30.52	-33.96	-576.75	740.43	9,669.93	9,596.39	73.53	131.502		
17,900.00	7,239.79	6,400.00	6,318.25	304.49	30.52	-33.96	-576.75	740.43	9,769.29	9,695.66	73.63	132.689		
18,000.00	7,239.90	6,400.00	6,318.25	307.33	30.52	-33.96	-576.75	740.43	9,868.66	9,794.94	73.72	133.873		
18,095.23	7,240.00	6,400.00	6,318.25	310.03	30.52	-33.96	-576.75	740.43	9,963.30	9,889.50	73.80	134.997		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	29.87	2.78	30.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	29.87	2.78	30.00	23.43	6.57	4.567		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	29.87	2.78	30.00	23.33	6.67	4.495 CC		
300.00	299.98	300.80	300.78	3.44	3.44	174.08	28.39	3.76	30.39	23.50	6.89	4.412		
400.00	399.84	401.49	401.32	3.59	3.60	-178.63	23.96	6.68	31.88	24.68	7.20	4.429		
500.00	499.45	501.93	501.38	3.79	3.80	-168.19	16.60	11.53	35.36	27.76	7.60	4.653		
600.00	598.70	602.03	600.71	4.03	4.04	-157.05	6.35	18.27	41.75	33.67	8.08	5.168		
700.00	697.47	701.65	699.09	4.31	4.32	-147.23	-6.71	26.88	51.54	42.90	8.64	5.966		
800.00	795.62	800.67	796.30	4.64	4.65	-139.61	-22.42	37.22	64.78	55.50	9.27	6.985		
900.00	893.06	900.81	892.86	5.00	5.00	-135.63	-38.78	48.00	81.19	71.21	9.98	8.136		
1,000.00	989.64	1,002.65	989.05	5.40	5.39	-134.34	-55.08	58.74	100.22	89.47	10.75	9.327		
1,100.00	1,085.27	1,104.99	1,084.77	5.83	5.80	-134.55	-71.30	69.42	121.65	110.09	11.56	10.524		
1,200.00	1,179.82	1,207.93	1,179.89	6.29	6.23	-135.57	-87.42	80.04	145.51	133.10	12.41	11.721		
1,235.00	1,212.63	1,225.88	1,213.02	6.46	6.31	-136.03	-93.03	83.73	154.45	141.81	12.65	12.213		
1,300.00	1,273.43	1,288.57	1,274.46	6.79	6.58	-137.07	-103.45	90.59	171.37	158.17	13.20	12.981		
1,400.00	1,366.98	1,385.02	1,368.99	7.30	7.00	-138.32	-119.46	101.14	197.49	183.41	14.08	14.031		
1,500.00	1,460.52	1,481.48	1,463.51	7.84	7.43	-139.27	-135.48	111.69	223.67	208.70	14.97	14.943		
1,600.00	1,554.07	1,577.93	1,558.04	8.38	7.87	-140.03	-151.50	122.24	249.90	234.02	15.88	15.738		
1,700.00	1,647.61	1,674.38	1,652.57	8.93	8.31	-140.64	-167.52	132.79	276.16	259.35	16.80	16.436		
1,800.00	1,741.16	1,770.83	1,747.09	9.49	8.76	-141.15	-183.54	143.34	302.44	284.70	17.74	17.051		
1,900.00	1,834.70	1,867.29	1,841.62	10.06	9.21	-141.57	-199.55	153.89	328.74	310.06	18.68	17.596		
2,000.00	1,928.25	1,963.74	1,936.15	10.63	9.67	-141.94	-215.57	164.44	355.06	335.42	19.64	18.081		
2,100.00	2,021.79	2,060.19	2,030.67	11.21	10.13	-142.25	-231.59	174.99	381.39	360.79	20.60	18.516		
2,200.00	2,115.33	2,156.64	2,125.20	11.79	10.59	-142.52	-247.61	185.54	407.72	386.16	21.57	18.906		
2,300.00	2,208.88	2,253.10	2,219.72	12.37	11.05	-142.76	-263.63	196.09	434.07	411.53	22.54	19.259		
2,400.00	2,302.42	2,349.55	2,314.25	12.96	11.52	-142.97	-279.64	206.64	460.42	436.90	23.52	19.578		
2,500.00	2,395.97	2,446.00	2,408.78	13.55	11.99	-143.16	-295.66	217.19	486.78	462.28	24.50	19.869		
2,600.00	2,489.51	2,542.45	2,503.30	14.14	12.46	-143.33	-311.68	227.74	513.14	487.65	25.49	20.135		
2,700.00	2,583.06	2,638.91	2,597.83	14.74	12.93	-143.48	-327.70	238.29	539.50	513.03	26.47	20.378		
2,800.00	2,676.60	2,735.36	2,692.36	15.34	13.40	-143.62	-343.72	248.84	565.87	538.40	27.47	20.602		
2,900.00	2,770.14	2,831.81	2,786.88	15.93	13.88	-143.75	-359.73	259.39	592.24	563.78	28.46	20.808		
3,000.00	2,863.69	2,928.26	2,881.41	16.53	14.35	-143.86	-375.75	269.94	618.61	589.15	29.46	20.998		
3,100.00	2,957.23	3,024.72	2,975.93	17.13	14.83	-143.97	-391.77	280.49	644.99	614.53	30.46	21.175		
3,200.00	3,050.78	3,121.17	3,070.46	17.74	15.30	-144.06	-407.79	291.04	671.36	639.90	31.46	21.339		
3,300.00	3,144.32	3,217.62	3,164.99	18.34	15.78	-144.16	-423.80	301.59	697.74	665.28	32.47	21.492		
3,400.00	3,237.87	3,314.07	3,259.51	18.94	16.26	-144.24	-439.82	312.14	724.12	690.65	33.47	21.635		
3,500.00	3,331.41	3,410.53	3,354.04	19.55	16.74	-144.32	-455.84	322.69	750.50	716.03	34.48	21.768		
3,600.00	3,424.96	3,506.98	3,448.57	20.15	17.22	-144.39	-471.86	333.24	776.89	741.40	35.49	21.893		
3,666.72	3,487.37	3,571.33	3,511.63	20.56	17.54	-144.43	-482.55	340.28	794.49	758.33	36.16	21.972		
3,700.00	3,518.57	3,603.47	3,543.13	20.76	17.70	-144.55	-487.88	343.79	803.12	766.63	36.49	22.007		
3,800.00	3,613.09	3,700.52	3,638.24	21.34	18.18	-144.78	-504.00	354.41	827.21	789.71	37.50	22.059		
3,900.00	3,708.70	3,801.82	3,733.95	21.90	18.69	-144.84	-520.22	365.09	848.53	810.01	38.52	22.029		
4,000.00	3,805.27	3,896.32	3,830.14	22.44	19.16	-144.74	-536.52	375.82	867.07	827.57	39.50	21.954		
4,100.00	3,902.69	4,005.16	3,926.69	22.95	19.70	-144.49	-552.88	386.60	882.84	842.31	40.53	21.780		
4,200.00	4,000.84	4,106.38	4,023.49	23.43	20.21	-144.08	-569.28	397.40	895.87	854.34	41.53	21.574		
4,300.00	4,099.59	4,207.48	4,120.42	23.89	20.71	-143.54	-585.71	408.22	906.19	863.68	42.51	21.319		
4,400.00	4,198.84	4,308.56	4,217.36	24.32	21.22	-142.85	-602.13	419.04	913.86	870.38	43.47	21.020		
4,500.00	4,298.45	4,390.24	4,314.19	24.73	21.63	-142.01	-618.54	429.85	918.96	874.62	44.33	20.728		
4,600.00	4,398.30	4,488.82	4,410.80	25.11	22.12	-141.03	-634.91	440.63	921.57	876.30	45.27	20.359		
4,701.72	4,500.00	4,588.73	4,508.71	25.45	22.62	53.96	-651.51	451.56	921.79	875.61	46.18	19.962		
4,800.00	4,598.28	4,685.05	4,603.11	25.74	23.11	55.15	-667.50	462.09	921.07	874.04	47.03	19.586		
4,900.00	4,698.28	4,783.05	4,699.15	26.04	23.60	56.36	-683.78	472.81	920.76	872.86	47.90	19.224		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,922.07	4,720.35	4,804.68	4,720.35	26.11	23.71	56.63	-687.37	475.18	920.75	872.66	48.09	19.147		
5,000.00	4,798.28	4,881.05	4,795.20	26.34	24.09	57.57	-700.05	483.53	920.88	872.11	48.76	18.884		
5,100.00	4,898.28	4,979.05	4,891.24	26.65	24.58	58.79	-716.33	494.25	921.43	871.79	49.64	18.564		
5,200.00	4,998.28	5,077.06	4,987.29	26.96	25.07	60.00	-732.60	504.97	922.40	871.90	50.51	18.263		
5,300.00	5,098.28	5,175.06	5,083.33	27.27	25.57	61.20	-748.88	515.69	923.81	872.43	51.38	17.980		
5,400.00	5,198.28	5,273.06	5,179.38	27.59	26.06	62.41	-765.15	526.41	925.64	873.39	52.25	17.715		
5,500.00	5,298.28	5,371.07	5,275.43	27.91	26.55	63.60	-781.43	537.13	927.89	874.77	53.12	17.466		
5,600.00	5,398.28	5,469.07	5,371.47	28.23	27.05	64.80	-797.70	547.85	930.56	876.57	54.00	17.234		
5,700.00	5,498.28	5,567.07	5,467.52	28.56	27.54	65.98	-813.98	558.57	933.65	878.78	54.87	17.016		
5,800.00	5,598.28	5,665.08	5,563.56	28.89	28.03	67.16	-830.26	569.29	937.15	881.41	55.74	16.813		
5,900.00	5,698.28	5,763.08	5,659.61	29.22	28.53	68.32	-846.53	580.01	941.06	884.45	56.61	16.624		
6,000.00	5,798.28	5,861.08	5,755.65	29.56	29.02	69.48	-862.81	590.73	945.37	887.89	57.48	16.447		
6,100.00	5,898.28	5,959.08	5,851.70	29.90	29.51	70.63	-879.08	601.45	950.07	891.73	58.35	16.283		
6,200.00	5,998.28	6,057.09	5,947.75	30.24	30.01	71.77	-895.36	612.17	955.17	895.96	59.21	16.131		
6,300.00	6,098.28	6,155.09	6,043.79	30.58	30.50	72.89	-911.63	622.89	960.65	900.57	60.08	15.990		
6,400.00	6,198.28	7,935.53	7,087.95	30.92	41.52	-15.37	-1,118.72	-314.41	893.08	869.11	23.96	37.270		
6,500.00	6,298.28	7,933.42	7,088.00	31.27	41.49	-13.85	-1,118.67	-312.31	793.50	768.94	24.56	32.307		
6,600.00	6,398.28	7,931.31	7,088.04	31.62	41.45	-12.32	-1,118.61	-310.20	694.05	668.71	25.33	27.399		
6,700.00	6,498.28	7,929.20	7,088.09	31.97	41.42	-10.77	-1,118.56	-308.09	594.76	568.40	26.36	22.563		
6,794.10	6,592.38	7,927.22	7,088.13	32.31	41.38	-9.30	-1,118.51	-306.11	501.59	473.88	27.70	18.105		
6,800.00	6,598.28	7,927.07	7,088.13	32.33	41.38	-102.36	-1,118.51	-305.96	495.76	467.95	27.81	17.829		
6,850.00	6,648.21	7,923.59	7,088.20	32.51	41.32	-123.26	-1,118.42	-302.48	446.55	417.79	28.76	15.528		
6,900.00	6,697.79	7,916.21	7,088.36	32.69	41.20	-134.55	-1,118.24	-295.11	397.94	368.01	29.92	13.298		
6,950.00	6,746.73	7,904.98	7,088.60	32.86	41.01	-140.34	-1,117.96	-283.88	350.29	318.90	31.39	11.159		
7,000.00	6,794.71	7,889.96	7,088.91	33.03	40.78	-142.97	-1,117.58	-268.87	304.01	270.72	33.29	9.132		
7,050.00	6,841.44	7,871.25	7,089.31	33.20	40.49	-143.46	-1,117.11	-250.17	259.51	223.71	35.80	7.248		
7,100.00	6,886.64	7,848.96	7,089.78	33.35	40.15	-142.16	-1,116.56	-227.89	217.34	178.14	39.20	5.544		
7,150.00	6,930.03	7,823.23	7,090.32	33.50	39.75	-139.01	-1,115.92	-202.17	178.16	134.31	43.86	4.062		
7,200.00	6,971.33	7,805.79	7,090.93	33.64	39.49	-133.63	-1,115.19	-173.17	142.98	92.64	50.35	2.840		
7,250.00	7,010.30	7,762.10	7,091.61	33.77	38.88	-125.34	-1,114.39	-141.07	113.38	54.91	58.47	1.939		
7,300.00	7,046.69	7,727.08	7,092.35	33.89	38.41	-113.39	-1,113.52	-106.07	91.89	24.90	66.99	1.372 Level 3		
7,350.00	7,080.28	7,689.37	7,093.14	34.00	37.93	-97.89	-1,112.58	-68.38	81.57	10.91	70.66	1.154 Level 2, ES, SF		
7,367.21	7,091.15	7,675.81	7,093.43	34.04	37.77	-92.06	-1,112.24	-54.83	80.87	11.03	69.84	1.158 Level 2		
7,400.00	7,110.86	7,649.20	7,093.99	34.11	37.46	-80.98	-1,111.57	-28.24	83.14	17.57	65.56	1.268 Level 3		
7,450.00	7,138.25	7,606.82	7,094.88	34.21	36.99	-65.95	-1,110.52	14.12	93.04	37.05	55.99	1.662		
7,500.00	7,162.27	7,566.83	7,094.82	34.32	36.59	-55.04	-1,109.36	54.09	107.32	60.37	46.95	2.286		
7,550.00	7,182.77	7,528.21	7,092.43	34.43	36.25	-46.87	-1,107.85	92.59	124.42	84.50	39.92	3.117		
7,600.00	7,199.64	7,490.42	7,087.87	34.57	35.94	-40.80	-1,105.99	130.06	142.93	107.70	35.22	4.058		
7,650.00	7,212.76	7,453.35	7,081.27	34.76	35.67	-36.27	-1,103.81	166.47	161.96	129.37	32.59	4.970		
7,700.00	7,222.06	7,416.93	7,072.77	35.02	35.44	-32.86	-1,101.33	201.79	181.00	149.38	31.62	5.724		
7,750.00	7,227.47	7,381.09	7,062.46	35.37	35.24	-30.27	-1,098.57	236.00	199.71	167.81	31.89	6.261		
7,793.42	7,229.00	7,350.00	7,052.00	35.74	35.08	-28.51	-1,095.93	265.15	215.52	182.73	32.79	6.574		
7,800.00	7,229.01	7,345.78	7,050.47	35.80	35.06	-28.39	-1,095.55	269.07	217.90	184.85	33.04	6.594		
7,900.00	7,229.11	7,279.12	7,022.98	36.91	34.80	-26.51	-1,089.08	329.42	259.25	222.90	36.35	7.132		
8,000.00	7,229.22	7,219.14	6,993.03	38.28	34.60	-24.83	-1,082.44	380.94	309.45	269.43	40.02	7.733		
8,100.00	7,229.33	7,165.78	6,962.46	39.83	34.45	-23.44	-1,075.92	424.16	367.22	323.63	43.58	8.425		
8,200.00	7,229.43	7,118.64	6,932.57	41.53	34.32	-22.31	-1,069.74	460.06	431.33	384.53	46.80	9.216		
8,300.00	7,229.54	7,077.13	6,904.12	43.36	34.22	-21.39	-1,063.98	489.73	500.71	451.11	49.60	10.095		
8,400.00	7,229.65	7,040.59	6,877.54	45.30	34.12	-20.65	-1,058.69	514.24	574.43	522.44	51.98	11.050		
8,500.00	7,229.75	7,000.00	6,846.44	47.33	34.02	-19.90	-1,052.59	539.59	651.85	598.34	53.51	12.182		
8,600.00	7,229.86	6,979.91	6,830.47	49.45	33.97	-19.55	-1,049.50	551.38	732.03	676.33	55.70	13.143		
8,700.00	7,229.97	6,950.00	6,806.03	51.64	33.89	-19.06	-1,044.80	567.96	814.82	757.88	56.94	14.310		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,230.07	6,932.18	6,791.12	53.89	33.84	-18.79	-1,041.96	577.28	899.63	841.28	58.35	15.418		
8,900.00	7,230.18	6,900.00	6,763.53	56.19	33.75	-18.32	-1,036.75	593.02	986.39	927.38	59.01	16.716		
9,000.00	7,230.29	6,900.00	6,763.53	58.55	33.75	-18.32	-1,036.75	593.02	1,074.30	1,013.86	60.43	17.777		
9,100.00	7,230.39	6,877.82	6,744.08	60.94	33.69	-18.02	-1,033.10	603.03	1,163.56	1,102.53	61.03	19.064		
9,200.00	7,230.50	6,850.00	6,719.21	63.38	33.61	-17.66	-1,028.48	614.60	1,254.15	1,192.73	61.42	20.420		
9,300.00	7,230.61	6,850.00	6,719.21	65.85	33.61	-17.66	-1,028.48	614.60	1,345.26	1,282.98	62.28	21.601		
9,400.00	7,230.72	6,850.00	6,719.21	68.35	33.61	-17.66	-1,028.48	614.60	1,437.55	1,374.57	62.99	22.823		
9,500.00	7,230.82	6,826.50	6,697.83	70.87	33.54	-17.38	-1,024.53	623.51	1,530.20	1,466.98	63.22	24.203		
9,600.00	7,230.93	6,800.00	6,673.34	73.42	33.46	-17.08	-1,020.05	632.59	1,623.93	1,560.53	63.39	25.617		
9,700.00	7,231.04	6,800.00	6,673.34	75.99	33.46	-17.08	-1,020.05	632.59	1,717.67	1,653.78	63.89	26.886		
9,800.00	7,231.14	6,800.00	6,673.34	78.59	33.46	-17.08	-1,020.05	632.59	1,812.07	1,747.76	64.31	28.177		
9,900.00	7,231.25	6,800.00	6,673.34	81.19	33.46	-17.08	-1,020.05	632.59	1,907.05	1,842.37	64.68	29.485		
10,000.00	7,231.36	6,800.00	6,673.34	83.82	33.46	-17.08	-1,020.05	632.59	2,002.52	1,937.52	65.00	30.807		
10,100.00	7,231.46	6,775.87	6,650.74	86.46	33.38	-16.82	-1,015.93	639.94	2,097.82	2,032.75	65.07	32.240		
10,200.00	7,231.57	6,769.42	6,644.65	89.11	33.36	-16.75	-1,014.83	641.76	2,193.72	2,128.44	65.29	33.602		
10,300.00	7,231.68	6,750.00	6,626.21	91.77	33.30	-16.56	-1,011.50	646.86	2,290.09	2,224.71	65.38	35.028		
10,400.00	7,231.78	6,750.00	6,626.21	94.45	33.30	-16.56	-1,011.50	646.86	2,386.39	2,320.78	65.61	36.371		
10,500.00	7,231.89	6,750.00	6,626.21	97.14	33.30	-16.56	-1,011.50	646.86	2,483.00	2,417.17	65.82	37.722		
10,600.00	7,232.00	6,750.00	6,626.21	99.83	33.30	-16.56	-1,011.50	646.86	2,579.86	2,513.84	66.02	39.078		
10,700.00	7,232.10	6,750.00	6,626.21	102.53	33.30	-16.56	-1,011.50	646.86	2,676.95	2,610.75	66.20	40.440		
10,800.00	7,232.21	6,750.00	6,626.21	105.25	33.30	-16.56	-1,011.50	646.86	2,774.25	2,707.89	66.36	41.806		
10,900.00	7,232.32	6,750.00	6,626.21	107.96	33.30	-16.56	-1,011.50	646.86	2,871.73	2,805.22	66.51	43.176		
11,000.00	7,232.42	6,730.28	6,607.33	110.69	33.23	-16.37	-1,008.11	651.45	2,969.01	2,902.46	66.55	44.614		
11,100.00	7,232.53	6,726.55	6,603.74	113.42	33.21	-16.33	-1,007.47	652.25	3,066.66	2,999.99	66.67	45.999		
11,200.00	7,232.64	6,723.00	6,600.33	116.16	33.20	-16.30	-1,006.86	652.99	3,164.44	3,097.65	66.78	47.383		
11,300.00	7,232.74	6,700.00	6,578.09	118.90	33.12	-16.09	-1,002.89	657.33	3,262.68	3,195.88	66.80	48.842		
11,400.00	7,232.85	6,700.00	6,578.09	121.65	33.12	-16.09	-1,002.89	657.33	3,360.57	3,293.64	66.93	50.213		
11,500.00	7,232.96	6,700.00	6,578.09	124.41	33.12	-16.09	-1,002.89	657.33	3,458.57	3,391.53	67.04	51.586		
11,600.00	7,233.06	6,700.00	6,578.09	127.16	33.12	-16.09	-1,002.89	657.33	3,556.69	3,489.53	67.16	52.960		
11,700.00	7,233.17	6,700.00	6,578.09	129.92	33.12	-16.09	-1,002.89	657.33	3,654.90	3,587.63	67.27	54.334		
11,800.00	7,233.28	6,700.00	6,578.09	132.69	33.12	-16.09	-1,002.89	657.33	3,753.21	3,685.84	67.37	55.708		
11,900.00	7,233.38	6,700.00	6,578.09	135.46	33.12	-16.09	-1,002.89	657.33	3,851.61	3,784.14	67.48	57.082		
12,000.00	7,233.49	6,700.00	6,578.09	138.23	33.12	-16.09	-1,002.89	657.33	3,950.09	3,882.52	67.57	58.456		
12,100.00	7,233.60	6,700.00	6,578.09	141.01	33.12	-16.09	-1,002.89	657.33	4,048.64	3,980.97	67.67	59.829		
12,200.00	7,233.71	6,700.00	6,578.09	143.79	33.12	-16.09	-1,002.89	657.33	4,147.27	4,079.50	67.76	61.201		
12,300.00	7,233.81	6,700.00	6,578.09	146.57	33.12	-16.09	-1,002.89	657.33	4,245.95	4,178.10	67.86	62.573		
12,400.00	7,233.92	6,700.00	6,578.09	149.35	33.12	-16.09	-1,002.89	657.33	4,344.70	4,276.75	67.95	63.943		
12,500.00	7,234.03	6,700.00	6,578.09	152.14	33.12	-16.09	-1,002.89	657.33	4,443.50	4,375.47	68.03	65.312		
12,600.00	7,234.13	6,700.00	6,578.09	154.93	33.12	-16.09	-1,002.89	657.33	4,542.36	4,474.24	68.12	66.680		
12,700.00	7,234.24	6,700.00	6,578.09	157.72	33.12	-16.09	-1,002.89	657.33	4,641.26	4,573.05	68.21	68.046		
12,800.00	7,234.35	6,700.00	6,578.09	160.52	33.12	-16.09	-1,002.89	657.33	4,740.21	4,671.92	68.29	69.410		
12,900.00	7,234.45	6,700.00	6,578.09	163.31	33.12	-16.09	-1,002.89	657.33	4,839.21	4,770.83	68.38	70.772		
13,000.00	7,234.56	6,700.00	6,578.09	166.11	33.12	-16.09	-1,002.89	657.33	4,938.24	4,869.78	68.46	72.132		
13,100.00	7,234.67	6,700.00	6,578.09	168.91	33.12	-16.09	-1,002.89	657.33	5,037.31	4,968.77	68.54	73.490		
13,200.00	7,234.77	6,677.51	6,556.21	171.71	33.04	-15.90	-999.02	660.78	5,135.98	5,067.41	68.56	74.912		
13,300.00	7,234.88	6,676.04	6,554.78	174.52	33.03	-15.89	-998.76	660.98	5,235.06	5,166.42	68.64	76.269		
13,400.00	7,234.99	6,674.62	6,553.39	177.32	33.03	-15.88	-998.52	661.17	5,334.17	5,265.45	68.72	77.623		
13,500.00	7,235.09	6,673.24	6,552.04	180.13	33.02	-15.86	-998.28	661.35	5,433.31	5,364.52	68.80	78.975		
13,600.00	7,235.20	6,671.91	6,550.74	182.94	33.02	-15.85	-998.05	661.52	5,532.48	5,463.61	68.88	80.325		
13,700.00	7,235.31	6,650.00	6,529.30	185.74	32.93	-15.68	-994.28	663.94	5,632.05	5,563.15	68.90	81.742		
13,800.00	7,235.41	6,650.00	6,529.30	188.56	32.93	-15.68	-994.28	663.94	5,731.23	5,662.25	68.98	83.081		
13,900.00	7,235.52	6,650.00	6,529.30	191.37	32.93	-15.68	-994.28	663.94	5,830.44	5,761.37	69.07	84.417		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	6,650.00	6,529.30	194.18	32.93	-15.68	-994.28	663.94	5,929.67	5,860.52	69.15	85.750		
14,100.00	7,235.73	6,650.00	6,529.30	197.00	32.93	-15.68	-994.28	663.94	6,028.93	5,959.69	69.23	87.081		
14,200.00	7,235.84	6,650.00	6,529.30	199.81	32.93	-15.68	-994.28	663.94	6,128.21	6,058.89	69.32	88.408		
14,300.00	7,235.95	6,650.00	6,529.30	202.63	32.93	-15.68	-994.28	663.94	6,227.51	6,158.11	69.40	89.733		
14,400.00	7,236.05	6,650.00	6,529.30	205.44	32.93	-15.68	-994.28	663.94	6,326.84	6,257.36	69.48	91.054		
14,500.00	7,236.16	6,650.00	6,529.30	208.26	32.93	-15.68	-994.28	663.94	6,426.19	6,356.62	69.57	92.372		
14,600.00	7,236.27	6,650.00	6,529.30	211.08	32.93	-15.68	-994.28	663.94	6,525.56	6,455.90	69.65	93.687		
14,700.00	7,236.37	6,650.00	6,529.30	213.90	32.93	-15.68	-994.28	663.94	6,624.94	6,555.21	69.74	94.999		
14,800.00	7,236.48	6,650.00	6,529.30	216.72	32.93	-15.68	-994.28	663.94	6,724.35	6,654.53	69.82	96.307		
14,900.00	7,236.59	6,650.00	6,529.30	219.55	32.93	-15.68	-994.28	663.94	6,823.77	6,753.86	69.91	97.612		
15,000.00	7,236.69	6,650.00	6,529.30	222.37	32.93	-15.68	-994.28	663.94	6,923.21	6,853.22	69.99	98.914		
15,100.00	7,236.80	6,650.00	6,529.30	225.19	32.93	-15.68	-994.28	663.94	7,022.66	6,952.59	70.08	100.212		
15,200.00	7,236.91	6,650.00	6,529.30	228.02	32.93	-15.68	-994.28	663.94	7,122.13	7,051.97	70.16	101.506		
15,300.00	7,237.02	6,650.00	6,529.30	230.84	32.93	-15.68	-994.28	663.94	7,221.62	7,151.37	70.25	102.797		
15,400.00	7,237.12	6,650.00	6,529.30	233.67	32.93	-15.68	-994.28	663.94	7,321.12	7,250.78	70.34	104.085		
15,500.00	7,237.23	6,650.00	6,529.30	236.50	32.93	-15.68	-994.28	663.94	7,420.63	7,350.20	70.43	105.368		
15,600.00	7,237.34	6,650.00	6,529.30	239.32	32.93	-15.68	-994.28	663.94	7,520.15	7,449.64	70.51	106.648		
15,700.00	7,237.44	6,650.00	6,529.30	242.15	32.93	-15.68	-994.28	663.94	7,619.69	7,549.09	70.60	107.924		
15,800.00	7,237.55	6,650.00	6,529.30	244.98	32.93	-15.68	-994.28	663.94	7,719.24	7,648.55	70.69	109.197		
15,900.00	7,237.66	6,650.00	6,529.30	247.81	32.93	-15.68	-994.28	663.94	7,818.80	7,748.02	70.78	110.466		
16,000.00	7,237.76	6,650.00	6,529.30	250.64	32.93	-15.68	-994.28	663.94	7,918.38	7,847.50	70.87	111.730		
16,100.00	7,237.87	6,650.00	6,529.30	253.47	32.93	-15.68	-994.28	663.94	8,017.96	7,947.00	70.96	112.991		
16,200.00	7,237.98	6,650.00	6,529.30	256.30	32.93	-15.68	-994.28	663.94	8,117.55	8,046.50	71.05	114.248		
16,300.00	7,238.08	6,650.00	6,529.30	259.13	32.93	-15.68	-994.28	663.94	8,217.15	8,146.01	71.14	115.502		
16,400.00	7,238.19	6,650.00	6,529.30	261.96	32.93	-15.68	-994.28	663.94	8,316.77	8,245.53	71.24	116.751		
16,500.00	7,238.30	6,650.00	6,529.30	264.79	32.93	-15.68	-994.28	663.94	8,416.39	8,345.06	71.33	117.996		
16,600.00	7,238.40	6,650.00	6,529.30	267.63	32.93	-15.68	-994.28	663.94	8,516.02	8,444.60	71.42	119.237		
16,700.00	7,238.51	6,650.00	6,529.30	270.46	32.93	-15.68	-994.28	663.94	8,615.66	8,544.14	71.51	120.474		
16,800.00	7,238.62	6,650.00	6,529.30	273.29	32.93	-15.68	-994.28	663.94	8,715.31	8,643.70	71.61	121.707		
16,900.00	7,238.72	6,650.00	6,529.30	276.13	32.93	-15.68	-994.28	663.94	8,814.96	8,743.26	71.70	122.936		
17,000.00	7,238.83	6,650.00	6,529.30	278.96	32.93	-15.68	-994.28	663.94	8,914.62	8,842.82	71.80	124.161		
17,100.00	7,238.94	6,650.00	6,529.30	281.80	32.93	-15.68	-994.28	663.94	9,014.29	8,942.40	71.89	125.382		
17,200.00	7,239.04	6,650.00	6,529.30	284.63	32.93	-15.68	-994.28	663.94	9,113.97	9,041.98	71.99	126.599		
17,300.00	7,239.15	6,650.00	6,529.30	287.47	32.93	-15.68	-994.28	663.94	9,213.66	9,141.57	72.09	127.811		
17,400.00	7,239.26	6,650.00	6,529.30	290.30	32.93	-15.68	-994.28	663.94	9,313.35	9,241.16	72.19	129.020		
17,500.00	7,239.36	6,650.00	6,529.30	293.14	32.93	-15.68	-994.28	663.94	9,413.05	9,340.76	72.28	130.224		
17,600.00	7,239.47	6,650.00	6,529.30	295.98	32.93	-15.68	-994.28	663.94	9,512.75	9,440.37	72.38	131.424		
17,700.00	7,239.58	6,650.00	6,529.30	298.81	32.93	-15.68	-994.28	663.94	9,612.46	9,539.98	72.48	132.619		
17,800.00	7,239.68	6,650.00	6,529.30	301.65	32.93	-15.68	-994.28	663.94	9,712.18	9,639.60	72.58	133.811		
17,900.00	7,239.79	6,650.00	6,529.30	304.49	32.93	-15.68	-994.28	663.94	9,811.90	9,739.22	72.68	134.998		
18,000.00	7,239.90	6,650.00	6,529.30	307.33	32.93	-15.68	-994.28	663.94	9,911.63	9,838.84	72.78	136.181		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-98.88	-688.49	-4,407.37	4,460.82					
100.00	100.00	110.00	110.00	3.28	3.89	-98.88	-688.49	-4,407.37	4,460.82	4,453.64	7.18	621.591		
200.00	200.00	210.00	210.00	3.34	6.48	-98.88	-688.49	-4,407.37	4,460.82	4,451.00	9.81	454.514		
300.00	299.98	309.98	309.98	3.44	9.65	67.33	-688.49	-4,407.37	4,460.14	4,447.06	13.09	340.732		
400.00	399.84	409.84	409.84	3.59	12.98	67.43	-688.49	-4,407.37	4,458.13	4,441.56	16.57	269.013		
500.00	499.45	509.45	509.45	3.79	16.37	67.59	-688.49	-4,407.37	4,454.78	4,434.63	20.16	220.985		
600.00	598.70	608.70	608.70	4.03	19.78	67.82	-688.49	-4,407.37	4,450.13	4,426.32	23.81	186.915		
700.00	697.47	707.47	707.47	4.31	23.19	68.12	-688.49	-4,407.37	4,444.20	4,416.70	27.50	161.611		
800.00	795.62	805.62	805.62	4.64	26.58	68.48	-688.49	-4,407.37	4,437.03	4,405.81	31.22	142.131		
900.00	893.06	903.06	903.06	5.00	29.96	68.90	-688.49	-4,407.37	4,428.67	4,393.72	34.95	126.700		
1,000.00	989.64	1,000.36	999.64	5.40	33.34	69.38	-688.49	-4,407.37	4,419.17	4,380.45	38.72	114.118		
1,100.00	1,085.27	1,104.73	1,095.27	5.83	36.97	69.92	-688.49	-4,407.37	4,408.60	4,365.82	42.78	103.058		
1,200.00	1,179.82	1,189.82	1,189.82	6.29	39.93	70.52	-688.49	-4,407.37	4,397.03	4,350.83	46.20	95.183		
1,235.00	1,212.63	1,222.63	1,222.63	6.46	41.07	70.74	-688.49	-4,407.37	4,392.75	4,345.25	47.50	92.470		
1,300.00	1,273.43	1,283.43	1,283.43	6.79	43.18	71.01	-688.49	-4,407.37	4,384.77	4,334.83	49.94	87.802		
1,400.00	1,366.98	1,376.98	1,376.98	7.30	46.44	71.42	-688.49	-4,407.37	4,372.69	4,318.99	53.70	81.425		
1,500.00	1,460.52	1,470.52	1,470.52	7.84	49.70	71.84	-688.49	-4,407.37	4,360.87	4,303.39	57.48	75.866		
1,600.00	1,554.07	1,564.07	1,564.07	8.38	52.96	72.26	-688.49	-4,407.37	4,349.30	4,288.02	61.27	70.980		
1,700.00	1,647.61	1,657.61	1,657.61	8.93	56.22	72.67	-688.49	-4,407.37	4,337.99	4,272.91	65.08	66.657		
1,800.00	1,741.16	1,751.16	1,751.16	9.49	59.48	73.09	-688.49	-4,407.37	4,326.93	4,258.04	68.89	62.807		
1,900.00	1,834.70	1,844.70	1,844.70	10.06	62.74	73.52	-688.49	-4,407.37	4,316.14	4,243.43	72.72	59.357		
2,000.00	1,928.25	1,938.25	1,938.25	10.63	66.00	73.94	-688.49	-4,407.37	4,305.61	4,229.07	76.54	56.250		
2,100.00	2,021.79	2,031.79	2,031.79	11.21	69.26	74.37	-688.49	-4,407.37	4,295.35	4,214.97	80.38	53.438		
2,200.00	2,115.33	2,125.33	2,125.33	11.79	72.52	74.80	-688.49	-4,407.37	4,285.36	4,201.14	84.22	50.883		
2,300.00	2,208.88	2,218.88	2,218.88	12.37	75.79	75.22	-688.49	-4,407.37	4,275.63	4,187.56	88.06	48.551		
2,400.00	2,302.42	2,312.42	2,312.42	12.96	79.05	75.66	-688.49	-4,407.37	4,266.17	4,174.26	91.91	46.415		
2,500.00	2,395.97	2,405.97	2,405.97	13.55	82.31	76.09	-688.49	-4,407.37	4,256.99	4,161.22	95.77	44.452		
2,600.00	2,489.51	2,500.49	2,499.51	14.14	85.61	76.52	-688.49	-4,407.37	4,248.08	4,148.42	99.66	42.628		
2,700.00	2,583.06	2,606.94	2,593.06	14.74	89.32	76.96	-688.49	-4,407.37	4,239.44	4,135.48	103.96	40.778		
2,800.00	2,676.60	2,686.60	2,686.60	15.34	92.10	77.40	-688.49	-4,407.37	4,231.09	4,123.75	107.34	39.417		
2,900.00	2,770.14	2,780.14	2,780.14	15.93	95.37	77.84	-688.49	-4,407.37	4,223.01	4,111.81	111.20	37.975		
3,000.00	2,863.69	2,873.69	2,873.69	16.53	98.63	78.28	-688.49	-4,407.37	4,215.21	4,100.14	115.07	36.632		
3,100.00	2,957.23	2,967.23	2,967.23	17.13	101.89	78.72	-688.49	-4,407.37	4,207.70	4,088.76	118.94	35.378		
3,200.00	3,050.78	3,060.78	3,060.78	17.74	105.16	79.16	-688.49	-4,407.37	4,200.47	4,077.67	122.81	34.204		
3,300.00	3,144.32	3,154.32	3,154.32	18.34	108.42	79.61	-688.49	-4,407.37	4,193.53	4,066.85	126.68	33.104		
3,400.00	3,237.87	3,247.87	3,247.87	18.94	111.69	80.05	-688.49	-4,407.37	4,186.87	4,056.32	130.55	32.071		
3,500.00	3,331.41	3,341.41	3,341.41	19.55	114.95	80.50	-688.49	-4,407.37	4,180.50	4,046.08	134.42	31.100		
3,600.00	3,424.96	3,434.96	3,434.96	20.15	118.21	80.95	-688.49	-4,407.37	4,174.42	4,036.13	138.30	30.185		
3,666.72	3,487.37	3,502.63	3,497.37	20.56	120.58	81.25	-688.49	-4,407.37	4,170.53	4,029.46	141.06	29.565		
3,700.00	3,518.57	3,528.57	3,528.57	20.76	121.48	81.36	-688.49	-4,407.37	4,168.66	4,026.49	142.17	29.321		
3,800.00	3,613.09	3,623.09	3,623.09	21.34	124.78	81.68	-688.49	-4,407.37	4,163.58	4,017.52	146.06	28.506		
3,900.00	3,708.70	3,718.70	3,718.70	21.90	128.12	81.97	-688.49	-4,407.37	4,159.23	4,009.27	149.96	27.735		
4,000.00	3,805.27	3,815.27	3,815.27	22.44	131.49	82.24	-688.49	-4,407.37	4,155.54	4,001.67	153.87	27.006		
4,100.00	3,902.69	3,912.69	3,912.69	22.95	134.89	82.48	-688.49	-4,407.37	4,152.47	3,994.68	157.79	26.317		
4,200.00	4,000.84	4,010.84	4,010.84	23.43	138.31	82.69	-688.49	-4,407.37	4,149.95	3,988.25	161.70	25.665		
4,300.00	4,099.59	4,109.59	4,109.59	23.89	141.76	82.86	-688.49	-4,407.37	4,147.95	3,982.35	165.61	25.047		
4,400.00	4,198.84	4,208.84	4,208.84	24.32	145.22	83.00	-688.49	-4,407.37	4,146.43	3,976.93	169.50	24.462		
4,500.00	4,298.45	4,308.45	4,308.45	24.73	148.70	83.10	-688.49	-4,407.37	4,145.37	3,971.98	173.39	23.908		
4,600.00	4,398.30	4,408.30	4,408.30	25.11	152.18	83.16	-688.49	-4,407.37	4,144.73	3,967.48	177.26	23.383		
4,701.72	4,500.00	4,510.00	4,510.00	25.45	155.73	-83.00	-688.49	-4,407.37	4,144.52	3,963.37	181.14	22.880		
4,800.00	4,598.28	4,608.28	4,608.28	25.74	159.16	-83.00	-688.49	-4,407.37	4,144.52	3,959.65	184.86	22.419		
4,900.00	4,698.28	4,708.28	4,708.28	26.04	162.65	-83.00	-688.49	-4,407.37	4,144.52	3,955.87	188.65	21.969		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,808.28	4,808.28	26.34	166.14	-83.00	-688.49	-4,407.37	4,144.52	3,952.07	192.45	21.536		
5,100.00	4,898.28	4,908.28	4,908.28	26.65	169.63	-83.00	-688.49	-4,407.37	4,144.52	3,948.28	196.24	21.119		
5,200.00	4,998.28	5,008.28	5,008.28	26.96	173.12	-83.00	-688.49	-4,407.37	4,144.52	3,944.48	200.04	20.718		
5,300.00	5,098.28	5,108.28	5,108.28	27.27	176.62	-83.00	-688.49	-4,407.37	4,144.52	3,940.67	203.85	20.331		
5,400.00	5,198.28	5,208.28	5,208.28	27.59	180.11	-83.00	-688.49	-4,407.37	4,144.52	3,936.86	207.65	19.959		
5,500.00	5,298.28	5,308.28	5,308.28	27.91	183.60	-83.00	-688.49	-4,407.37	4,144.52	3,933.05	211.47	19.599		
5,600.00	5,398.28	5,408.28	5,408.28	28.23	187.09	-83.00	-688.49	-4,407.37	4,144.52	3,929.24	215.28	19.252		
5,700.00	5,498.28	5,508.28	5,508.28	28.56	190.58	-83.00	-688.49	-4,407.37	4,144.52	3,925.42	219.10	18.916		
5,800.00	5,598.28	5,608.28	5,608.28	28.89	194.07	-83.00	-688.49	-4,407.37	4,144.52	3,921.60	222.92	18.592		
5,900.00	5,698.28	5,708.28	5,708.28	29.22	197.56	-83.00	-688.49	-4,407.37	4,144.52	3,917.78	226.74	18.279		
6,000.00	5,798.28	5,808.28	5,808.28	29.56	201.05	-83.00	-688.49	-4,407.37	4,144.52	3,913.95	230.57	17.975		
6,100.00	5,898.28	5,908.28	5,908.28	29.90	204.54	-83.00	-688.49	-4,407.37	4,144.52	3,910.12	234.39	17.682		
6,200.00	5,998.28	6,008.28	6,008.28	30.24	208.03	-83.00	-688.49	-4,407.37	4,144.52	3,906.29	238.23	17.397		
6,300.00	6,098.28	6,108.28	6,108.28	30.58	211.52	-83.00	-688.49	-4,407.37	4,144.52	3,902.46	242.06	17.122		
6,400.00	6,198.28	6,208.28	6,208.28	30.92	215.01	-83.00	-688.49	-4,407.37	4,144.52	3,898.62	245.90	16.855		
6,500.00	6,298.28	6,308.28	6,308.28	31.27	218.50	-83.00	-688.49	-4,407.37	4,144.52	3,894.78	249.73	16.596		
6,600.00	6,398.28	6,408.28	6,408.28	31.62	221.99	-83.00	-688.49	-4,407.37	4,144.52	3,890.94	253.58	16.344		
6,700.00	6,498.28	6,508.28	6,508.28	31.97	225.48	-83.00	-688.49	-4,407.37	4,144.52	3,887.10	257.42	16.100		
6,794.10	6,592.38	6,602.38	6,602.38	32.31	228.77	-83.00	-688.49	-4,407.37	4,144.52	3,883.48	261.04	15.877 CC		
6,800.00	6,598.28	6,608.28	6,608.28	32.33	228.97	-172.81	-688.49	-4,407.37	4,144.55	3,883.28	261.26	15.863 ES		
6,850.00	6,648.21	6,658.21	6,658.21	32.51	230.72	-172.79	-688.49	-4,407.37	4,146.95	3,883.77	263.19	15.757		
6,900.00	6,697.79	6,707.79	6,707.79	32.69	232.45	-172.73	-688.49	-4,407.37	4,153.24	3,888.14	265.10	15.667		
6,950.00	6,746.73	6,756.73	6,756.73	32.86	234.16	-172.63	-688.49	-4,407.37	4,163.36	3,896.39	266.98	15.594		
7,000.00	6,794.71	6,804.71	6,804.71	33.03	235.83	-172.48	-688.49	-4,407.37	4,177.27	3,908.45	268.82	15.539		
7,050.00	6,841.44	6,851.44	6,851.44	33.20	237.46	-172.29	-688.49	-4,407.37	4,194.87	3,924.26	270.61	15.501		
7,100.00	6,886.64	6,896.64	6,896.64	33.35	239.27	-172.04	-688.49	-4,407.37	4,216.05	3,943.48	272.57	15.468 SF		
7,150.00	6,930.03	6,940.03	6,940.03	33.50	240.55	-171.73	-688.49	-4,407.37	4,240.69	3,966.70	273.99	15.477		
7,200.00	6,971.33	6,981.33	6,981.33	33.64	242.00	-171.34	-688.49	-4,407.37	4,268.64	3,993.07	275.56	15.491		
7,250.00	7,010.30	7,020.30	7,020.30	33.77	243.36	-170.85	-688.49	-4,407.37	4,299.72	4,022.68	277.04	15.520		
7,300.00	7,046.69	7,056.69	7,056.69	33.89	244.63	-170.24	-688.49	-4,407.37	4,333.74	4,055.32	278.42	15.566		
7,350.00	7,080.28	7,109.72	7,090.28	34.00	246.48	-169.46	-688.49	-4,407.37	4,370.49	4,090.14	280.36	15.589		
7,400.00	7,110.86	7,120.86	7,120.86	34.11	246.87	-168.47	-688.49	-4,407.37	4,409.76	4,128.93	280.83	15.703		
7,450.00	7,138.25	7,148.25	7,148.25	34.21	247.82	-167.16	-688.49	-4,407.37	4,451.29	4,169.44	281.85	15.793		
7,500.00	7,162.27	7,172.27	7,172.27	34.32	248.66	-165.40	-688.49	-4,407.37	4,494.83	4,212.09	282.74	15.897		
7,550.00	7,182.77	7,202.23	7,192.77	34.43	249.88	-162.92	-688.49	-4,407.37	4,540.12	4,256.11	284.01	15.986		
7,600.00	7,199.64	7,209.64	7,209.64	34.57	249.96	-159.24	-688.49	-4,407.37	4,586.87	4,302.74	284.12	16.144		
7,650.00	7,212.76	7,222.76	7,222.76	34.76	250.42	-153.36	-688.49	-4,407.37	4,634.80	4,350.19	284.61	16.285		
7,700.00	7,222.06	7,232.06	7,232.06	35.02	250.75	-142.90	-688.49	-4,407.37	4,683.61	4,398.66	284.95	16.437		
7,750.00	7,227.47	7,237.47	7,237.47	35.37	250.94	-122.13	-688.49	-4,407.37	4,733.00	4,447.85	285.14	16.599		
7,793.42	7,229.00	7,239.00	7,239.00	35.74	250.99	-90.56	-688.49	-4,407.37	4,776.12	4,490.92	285.20	16.746		
7,800.00	7,229.01	7,239.01	7,239.01	35.80	250.99	-90.56	-688.49	-4,407.37	4,782.66	4,497.46	285.20	16.769		
7,900.00	7,229.11	7,239.11	7,239.11	36.91	250.99	-90.57	-688.49	-4,407.37	4,882.09	4,596.87	285.21	17.117		
8,000.00	7,229.22	7,239.22	7,239.22	38.28	251.00	-90.58	-688.49	-4,407.37	4,981.53	4,696.31	285.23	17.465		
8,100.00	7,229.33	7,239.33	7,239.33	39.83	251.00	-90.60	-688.49	-4,407.37	5,081.00	4,795.76	285.24	17.813		
8,200.00	7,229.43	7,239.43	7,239.43	41.53	251.01	-90.61	-688.49	-4,407.37	5,180.49	4,895.23	285.26	18.161		
8,300.00	7,229.54	7,239.54	7,239.54	43.36	251.01	-90.62	-688.49	-4,407.37	5,279.99	4,994.71	285.28	18.508		
8,400.00	7,229.65	7,239.65	7,239.65	45.30	251.01	-90.63	-688.49	-4,407.37	5,379.52	5,094.22	285.30	18.855		
8,500.00	7,229.75	7,239.75	7,239.75	47.33	251.02	-90.64	-688.49	-4,407.37	5,479.06	5,193.73	285.33	19.203		
8,600.00	7,229.86	7,239.86	7,239.86	49.45	251.02	-90.66	-688.49	-4,407.37	5,578.62	5,293.27	285.36	19.550		
8,700.00	7,229.97	7,239.97	7,239.97	51.64	251.02	-90.67	-688.49	-4,407.37	5,678.20	5,392.81	285.39	19.897		
8,800.00	7,230.07	7,240.07	7,240.07	53.89	251.03	-90.68	-688.49	-4,407.37	5,777.79	5,492.37	285.42	20.243		
8,900.00	7,230.18	7,240.18	7,240.18	56.19	251.03	-90.69	-688.49	-4,407.37	5,877.39	5,591.94	285.45	20.590		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	7,240.29	7,240.29	58.55	251.03	-90.70	-688.49	-4,407.37	5,977.01	5,691.52	285.48	20.936		
9,100.00	7,230.39	7,240.39	7,240.39	60.94	251.04	-90.71	-688.49	-4,407.37	6,076.63	5,791.11	285.52	21.283		
9,200.00	7,230.50	7,240.50	7,240.50	63.38	251.04	-90.73	-688.49	-4,407.37	6,176.28	5,890.72	285.56	21.629		
9,300.00	7,230.61	7,240.61	7,240.61	65.85	251.05	-90.74	-688.49	-4,407.37	6,275.93	5,990.33	285.60	21.975		
9,400.00	7,230.72	7,240.72	7,240.72	68.35	251.05	-90.75	-688.49	-4,407.37	6,375.59	6,089.96	285.64	22.321		
9,500.00	7,230.82	7,240.82	7,240.82	70.87	251.05	-90.76	-688.49	-4,407.37	6,475.27	6,189.59	285.68	22.666		
9,600.00	7,230.93	7,240.93	7,240.93	73.42	251.06	-90.77	-688.49	-4,407.37	6,574.95	6,289.23	285.72	23.012		
9,700.00	7,231.04	7,241.04	7,241.04	75.99	251.06	-90.79	-688.49	-4,407.37	6,674.64	6,388.88	285.76	23.357		
9,800.00	7,231.14	7,241.14	7,241.14	78.59	251.06	-90.80	-688.49	-4,407.37	6,774.34	6,488.54	285.81	23.702		
9,900.00	7,231.25	7,241.25	7,241.25	81.19	251.07	-90.81	-688.49	-4,407.37	6,874.06	6,588.20	285.85	24.047		
10,000.00	7,231.36	7,241.36	7,241.36	83.82	251.07	-90.82	-688.49	-4,407.37	6,973.77	6,687.87	285.90	24.392		
10,100.00	7,231.46	7,241.46	7,241.46	86.46	251.08	-90.83	-688.49	-4,407.37	7,073.50	6,787.55	285.95	24.737		
10,200.00	7,231.57	7,241.57	7,241.57	89.11	251.08	-90.84	-688.49	-4,407.37	7,173.24	6,887.24	286.00	25.081		
10,300.00	7,231.68	7,241.68	7,241.68	91.77	251.08	-90.86	-688.49	-4,407.37	7,272.98	6,986.93	286.05	25.426		
10,400.00	7,231.78	7,241.78	7,241.78	94.45	251.09	-90.87	-688.49	-4,407.37	7,372.73	7,086.63	286.10	25.770		
10,500.00	7,231.89	7,241.89	7,241.89	97.14	251.09	-90.88	-688.49	-4,407.37	7,472.48	7,186.33	286.15	26.114		
10,600.00	7,232.00	7,242.00	7,242.00	99.83	251.09	-90.89	-688.49	-4,407.37	7,572.24	7,286.04	286.20	26.457		
10,700.00	7,232.10	7,242.10	7,242.10	102.53	251.10	-90.90	-688.49	-4,407.37	7,672.01	7,385.75	286.26	26.801		
10,800.00	7,232.21	7,242.21	7,242.21	105.25	251.10	-90.91	-688.49	-4,407.37	7,771.79	7,485.47	286.31	27.144		
10,900.00	7,232.32	7,242.32	7,242.32	107.96	251.11	-90.93	-688.49	-4,407.37	7,871.57	7,585.20	286.37	27.487		
11,000.00	7,232.42	7,242.42	7,242.42	110.69	251.11	-90.94	-688.49	-4,407.37	7,971.35	7,684.93	286.43	27.830		
11,100.00	7,232.53	7,242.53	7,242.53	113.42	251.11	-90.95	-688.49	-4,407.37	8,071.14	7,784.66	286.48	28.173		
11,200.00	7,232.64	7,242.64	7,242.64	116.16	251.12	-90.96	-688.49	-4,407.37	8,170.94	7,884.40	286.54	28.516		
11,300.00	7,232.74	7,242.74	7,242.74	118.90	251.12	-90.97	-688.49	-4,407.37	8,270.74	7,984.14	286.60	28.858		
11,400.00	7,232.85	7,242.85	7,242.85	121.65	251.12	-90.99	-688.49	-4,407.37	8,370.55	8,083.88	286.66	29.200		
11,500.00	7,232.96	7,242.96	7,242.96	124.41	251.13	-91.00	-688.49	-4,407.37	8,470.36	8,183.63	286.72	29.542		
11,600.00	7,233.06	7,243.06	7,243.06	127.16	251.13	-91.01	-688.49	-4,407.37	8,570.17	8,283.39	286.78	29.884		
11,700.00	7,233.17	7,243.17	7,243.17	129.92	251.14	-91.02	-688.49	-4,407.37	8,669.99	8,383.14	286.85	30.225		
11,800.00	7,233.28	7,243.28	7,243.28	132.69	251.14	-91.03	-688.49	-4,407.37	8,769.81	8,482.90	286.91	30.566		
11,900.00	7,233.38	7,243.38	7,243.38	135.46	251.14	-91.04	-688.49	-4,407.37	8,869.64	8,582.66	286.97	30.907		
12,000.00	7,233.49	7,243.49	7,243.49	138.23	251.15	-91.06	-688.49	-4,407.37	8,969.47	8,682.43	287.04	31.248		
12,100.00	7,233.60	7,243.60	7,243.60	141.01	251.15	-91.07	-688.49	-4,407.37	9,069.30	8,782.20	287.11	31.589		
12,200.00	7,233.71	7,243.71	7,243.71	143.79	251.15	-91.08	-688.49	-4,407.37	9,169.14	8,881.97	287.17	31.929		
12,300.00	7,233.81	7,243.81	7,243.81	146.57	251.16	-91.09	-688.49	-4,407.37	9,268.98	8,981.74	287.24	32.269		
12,400.00	7,233.92	7,243.92	7,243.92	149.35	251.16	-91.10	-688.49	-4,407.37	9,368.83	9,081.52	287.31	32.609		
12,500.00	7,234.03	7,244.03	7,244.03	152.14	251.17	-91.12	-688.49	-4,407.37	9,468.68	9,181.30	287.38	32.949		
12,600.00	7,234.13	7,244.13	7,244.13	154.93	251.17	-91.13	-688.49	-4,407.37	9,568.53	9,281.08	287.45	33.288		
12,700.00	7,234.24	7,244.24	7,244.24	157.72	251.17	-91.14	-688.49	-4,407.37	9,668.38	9,380.87	287.52	33.627		
12,800.00	7,234.35	7,244.35	7,244.35	160.52	251.18	-91.15	-688.49	-4,407.37	9,768.24	9,480.65	287.59	33.966		
12,900.00	7,234.45	7,244.45	7,244.45	163.31	251.18	-91.16	-688.49	-4,407.37	9,868.10	9,580.44	287.66	34.305		
13,000.00	7,234.56	7,244.56	7,244.56	166.11	251.18	-91.17	-688.49	-4,407.37	9,967.96	9,680.23	287.73	34.643		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-83.43	488.17	-4,237.35	4,265.51					
100.00	100.00	66.00	66.00	3.28	1.15	-83.43	488.17	-4,237.35	4,265.38	4,260.94	4.44	961.362		
200.00	200.00	166.00	166.00	3.34	4.05	-83.43	488.17	-4,237.35	4,265.38	4,257.99	7.39	577.449		
300.00	299.98	265.98	265.98	3.44	7.54	82.78	488.17	-4,237.35	4,265.16	4,254.18	10.98	388.475		
400.00	399.84	365.84	365.84	3.59	11.03	82.86	488.17	-4,237.35	4,264.50	4,249.89	14.61	291.800		
500.00	499.45	465.45	465.45	3.79	14.50	82.99	488.17	-4,237.35	4,263.43	4,245.14	18.29	233.102		
600.00	598.70	564.70	564.70	4.03	17.97	83.19	488.17	-4,237.35	4,261.95	4,239.95	22.00	193.744		
700.00	697.47	663.47	663.47	4.31	21.42	83.43	488.17	-4,237.35	4,260.10	4,234.37	25.73	165.567		
800.00	795.62	761.62	761.62	4.64	24.84	83.72	488.17	-4,237.35	4,257.93	4,228.45	29.48	144.429		
900.00	893.06	859.06	859.06	5.00	28.24	84.06	488.17	-4,237.35	4,255.47	4,222.23	33.24	128.010		
1,000.00	989.64	955.64	955.64	5.40	31.62	84.45	488.17	-4,237.35	4,252.79	4,215.78	37.01	114.903		
1,100.00	1,085.27	1,051.27	1,051.27	5.83	34.95	84.88	488.17	-4,237.35	4,249.95	4,209.17	40.78	104.213		
1,200.00	1,179.82	1,145.82	1,145.82	6.29	38.25	85.36	488.17	-4,237.35	4,247.03	4,202.48	44.55	95.336		
1,235.00	1,212.63	1,178.63	1,178.63	6.46	39.40	85.53	488.17	-4,237.35	4,246.00	4,200.13	45.86	92.579		
1,300.00	1,273.43	1,239.43	1,239.43	6.79	41.52	85.82	488.17	-4,237.35	4,244.14	4,195.83	48.31	87.852		
1,400.00	1,366.98	1,332.98	1,332.98	7.30	44.79	86.27	488.17	-4,237.35	4,241.54	4,189.45	52.09	81.424		
1,500.00	1,460.52	1,426.52	1,426.52	7.84	48.05	86.71	488.17	-4,237.35	4,239.22	4,183.34	55.89	75.852		
1,600.00	1,554.07	1,520.07	1,520.07	8.38	51.32	87.16	488.17	-4,237.35	4,237.20	4,177.51	59.70	70.979		
1,700.00	1,647.61	1,613.61	1,613.61	8.93	54.59	87.61	488.17	-4,237.35	4,235.48	4,171.96	63.51	66.685		
1,800.00	1,741.16	1,707.16	1,707.16	9.49	57.85	88.05	488.17	-4,237.35	4,234.05	4,166.71	67.34	62.875		
1,900.00	1,834.70	1,800.70	1,800.70	10.06	61.12	88.50	488.17	-4,237.35	4,232.91	4,161.74	71.17	59.473		
2,000.00	1,928.25	1,905.75	1,894.25	10.63	64.78	88.95	488.17	-4,237.35	4,232.07	4,156.65	75.41	56.118		
2,100.00	2,021.79	1,987.79	1,987.79	11.21	67.65	89.39	488.17	-4,237.35	4,231.52	4,152.67	78.86	53.662		
2,200.00	2,115.33	2,081.33	2,081.33	11.79	70.91	89.84	488.17	-4,237.35	4,231.27	4,148.57	82.70	51.163		
2,235.17	2,148.23	2,114.23	2,114.23	11.99	72.06	90.00	488.17	-4,237.35	4,231.25	4,147.20	84.06	50.338 CC		
2,300.00	2,208.88	2,174.88	2,174.88	12.37	74.18	90.29	488.17	-4,237.35	4,231.31	4,144.76	86.55	48.887		
2,400.00	2,302.42	2,268.42	2,268.42	12.96	77.45	90.74	488.17	-4,237.35	4,231.65	4,141.25	90.41	46.807		
2,500.00	2,395.97	2,361.97	2,361.97	13.55	80.71	91.19	488.17	-4,237.35	4,232.29	4,138.03	94.26	44.900		
2,600.00	2,489.51	2,455.51	2,455.51	14.14	83.98	91.63	488.17	-4,237.35	4,233.22	4,135.10	98.12	43.144		
2,700.00	2,583.06	2,549.06	2,549.06	14.74	87.24	92.08	488.17	-4,237.35	4,234.44	4,132.46	101.98	41.523		
2,800.00	2,676.60	2,642.60	2,642.60	15.34	90.51	92.53	488.17	-4,237.35	4,235.96	4,130.12	105.84	40.023		
2,900.00	2,770.14	2,736.14	2,736.14	15.93	93.77	92.97	488.17	-4,237.35	4,237.77	4,128.07	109.70	38.631		
3,000.00	2,863.69	2,829.69	2,829.69	16.53	97.04	93.42	488.17	-4,237.35	4,239.88	4,126.32	113.56	37.336		
3,100.00	2,957.23	2,923.23	2,923.23	17.13	100.30	93.87	488.17	-4,237.35	4,242.28	4,124.86	117.42	36.128		
3,200.00	3,050.78	3,016.78	3,016.78	17.74	103.57	94.31	488.17	-4,237.35	4,244.97	4,123.69	121.29	34.999		
3,300.00	3,144.32	3,110.32	3,110.32	18.34	106.84	94.76	488.17	-4,237.35	4,247.96	4,122.81	125.15	33.942		
3,400.00	3,237.87	3,203.87	3,203.87	18.94	110.10	95.20	488.17	-4,237.35	4,251.24	4,122.22	129.02	32.951		
3,500.00	3,331.41	3,302.59	3,297.41	19.55	113.55	95.64	488.17	-4,237.35	4,254.81	4,121.75	133.06	31.976		
3,600.00	3,424.96	3,409.05	3,390.96	20.15	117.26	96.09	488.17	-4,237.35	4,258.67	4,121.29	137.38	31.000		
3,666.72	3,487.37	3,453.37	3,453.37	20.56	118.81	96.38	488.17	-4,237.35	4,261.40	4,122.08	139.32	30.586		
3,700.00	3,518.57	3,484.57	3,484.57	20.76	119.90	96.56	488.17	-4,237.35	4,262.79	4,122.18	140.61	30.316		
3,800.00	3,613.09	3,579.09	3,579.09	21.34	123.20	97.05	488.17	-4,237.35	4,266.88	4,122.39	144.49	29.531		
3,900.00	3,708.70	3,674.70	3,674.70	21.90	126.54	97.50	488.17	-4,237.35	4,270.75	4,122.37	148.38	28.782		
4,000.00	3,805.27	3,771.27	3,771.27	22.44	129.91	97.90	488.17	-4,237.35	4,274.35	4,122.07	152.28	28.069		
4,100.00	3,902.69	3,868.69	3,868.69	22.95	133.31	98.26	488.17	-4,237.35	4,277.60	4,121.42	156.19	27.388		
4,200.00	4,000.84	3,966.84	3,966.84	23.43	136.74	98.56	488.17	-4,237.35	4,280.45	4,120.36	160.09	26.738		
4,300.00	4,099.59	4,065.59	4,065.59	23.89	140.18	98.82	488.17	-4,237.35	4,282.86	4,118.86	163.99	26.116		
4,400.00	4,198.84	4,164.84	4,164.84	24.32	143.65	99.02	488.17	-4,237.35	4,284.77	4,116.88	167.89	25.522		
4,500.00	4,298.45	4,264.45	4,264.45	24.73	147.13	99.16	488.17	-4,237.35	4,286.16	4,114.39	171.77	24.953		
4,600.00	4,398.30	4,364.30	4,364.30	25.11	150.61	99.24	488.17	-4,237.35	4,287.01	4,111.37	175.64	24.409		
4,701.72	4,500.00	4,466.00	4,466.00	25.45	154.16	-66.90	488.17	-4,237.35	4,287.30	4,107.77	179.52	23.882		
4,800.00	4,598.28	4,564.28	4,564.28	25.74	157.59	-66.90	488.17	-4,237.35	4,287.30	4,104.05	183.24	23.397		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,664.28	4,664.28	26.04	161.08	-66.90	488.17	-4,237.35	4,287.30	4,100.26	187.04	22.922		
5,000.00	4,798.28	4,764.28	4,764.28	26.34	164.58	-66.90	488.17	-4,237.35	4,287.30	4,096.47	190.83	22.466		
5,100.00	4,898.28	4,864.28	4,864.28	26.65	168.07	-66.90	488.17	-4,237.35	4,287.30	4,092.67	194.63	22.028		
5,200.00	4,998.28	4,964.28	4,964.28	26.96	171.56	-66.90	488.17	-4,237.35	4,287.30	4,088.86	198.43	21.606		
5,300.00	5,098.28	5,064.28	5,064.28	27.27	175.05	-66.90	488.17	-4,237.35	4,287.30	4,085.06	202.24	21.199		
5,400.00	5,198.28	5,164.28	5,164.28	27.59	178.54	-66.90	488.17	-4,237.35	4,287.30	4,081.25	206.05	20.807		
5,500.00	5,298.28	5,264.28	5,264.28	27.91	182.03	-66.90	488.17	-4,237.35	4,287.30	4,077.44	209.86	20.429		
5,600.00	5,398.28	5,364.28	5,364.28	28.23	185.52	-66.90	488.17	-4,237.35	4,287.30	4,073.62	213.68	20.064		
5,700.00	5,498.28	5,464.28	5,464.28	28.56	189.01	-66.90	488.17	-4,237.35	4,287.30	4,069.80	217.50	19.712		
5,800.00	5,598.28	5,564.28	5,564.28	28.89	192.50	-66.90	488.17	-4,237.35	4,287.30	4,065.98	221.32	19.372		
5,900.00	5,698.28	5,664.28	5,664.28	29.22	195.99	-66.90	488.17	-4,237.35	4,287.30	4,062.15	225.14	19.042		
6,000.00	5,798.28	5,764.28	5,764.28	29.56	199.49	-66.90	488.17	-4,237.35	4,287.30	4,058.33	228.97	18.724		
6,100.00	5,898.28	5,864.28	5,864.28	29.90	202.98	-66.90	488.17	-4,237.35	4,287.30	4,054.50	232.80	18.416		
6,200.00	5,998.28	5,964.28	5,964.28	30.24	206.47	-66.90	488.17	-4,237.35	4,287.30	4,050.66	236.63	18.118		
6,300.00	6,098.28	6,064.28	6,064.28	30.58	209.96	-66.90	488.17	-4,237.35	4,287.30	4,046.83	240.47	17.829		
6,400.00	6,198.28	6,164.28	6,164.28	30.92	213.45	-66.90	488.17	-4,237.35	4,287.30	4,042.99	244.31	17.549		
6,500.00	6,298.28	6,264.28	6,264.28	31.27	216.94	-66.90	488.17	-4,237.35	4,287.30	4,039.15	248.15	17.277		
6,600.00	6,398.28	6,364.28	6,364.28	31.62	220.43	-66.90	488.17	-4,237.35	4,287.30	4,035.31	251.99	17.014		
6,700.00	6,498.28	6,464.28	6,464.28	31.97	223.92	-66.90	488.17	-4,237.35	4,287.30	4,031.46	255.83	16.758		
6,794.10	6,592.38	6,558.38	6,558.38	32.31	227.21	-66.90	488.17	-4,237.35	4,287.30	4,027.84	259.45	16.524		
6,800.00	6,598.28	6,564.28	6,564.28	32.33	227.41	-156.72	488.17	-4,237.35	4,287.32	4,027.64	259.68	16.510 ES		
6,850.00	6,648.21	6,614.21	6,614.21	32.51	229.16	-156.65	488.17	-4,237.35	4,289.55	4,027.95	261.61	16.397		
6,900.00	6,697.79	6,663.79	6,663.79	32.69	230.89	-156.47	488.17	-4,237.35	4,295.37	4,031.85	263.52	16.300		
6,950.00	6,746.73	6,712.73	6,712.73	32.86	232.60	-156.18	488.17	-4,237.35	4,304.75	4,039.35	265.40	16.220		
7,000.00	6,794.71	6,760.71	6,760.71	33.03	234.27	-155.77	488.17	-4,237.35	4,317.64	4,050.38	267.25	16.156		
7,050.00	6,841.44	6,807.44	6,807.44	33.20	235.90	-155.22	488.17	-4,237.35	4,333.95	4,064.90	269.05	16.108		
7,100.00	6,886.64	6,852.64	6,852.64	33.35	237.48	-154.52	488.17	-4,237.35	4,353.61	4,082.82	270.79	16.077		
7,150.00	6,930.03	6,896.03	6,896.03	33.50	239.27	-153.65	488.17	-4,237.35	4,376.49	4,103.75	272.74	16.046 SF		
7,200.00	6,971.33	6,937.33	6,937.33	33.64	240.44	-152.57	488.17	-4,237.35	4,402.46	4,128.41	274.05	16.064		
7,250.00	7,010.30	6,976.30	6,976.30	33.77	241.80	-151.25	488.17	-4,237.35	4,431.38	4,155.83	275.55	16.082		
7,300.00	7,046.69	7,012.69	7,012.69	33.89	243.07	-149.63	488.17	-4,237.35	4,463.06	4,186.11	276.95	16.115		
7,350.00	7,080.28	7,046.28	7,046.28	34.00	244.24	-147.66	488.17	-4,237.35	4,497.33	4,219.09	278.24	16.163		
7,400.00	7,110.86	7,076.86	7,076.86	34.11	245.31	-145.22	488.17	-4,237.35	4,533.98	4,254.56	279.42	16.227		
7,450.00	7,138.25	7,104.25	7,104.25	34.21	246.26	-142.21	488.17	-4,237.35	4,572.79	4,292.32	280.47	16.304		
7,500.00	7,162.27	7,128.27	7,128.27	34.32	247.10	-138.46	488.17	-4,237.35	4,613.54	4,332.14	281.40	16.395		
7,550.00	7,182.77	7,148.77	7,148.77	34.43	247.82	-133.75	488.17	-4,237.35	4,655.97	4,373.77	282.20	16.499		
7,600.00	7,199.64	7,165.64	7,165.64	34.57	248.41	-127.83	488.17	-4,237.35	4,699.83	4,416.96	282.87	16.615		
7,650.00	7,212.76	7,178.76	7,178.76	34.76	248.87	-120.41	488.17	-4,237.35	4,744.85	4,461.46	283.39	16.743		
7,700.00	7,222.06	7,188.06	7,188.06	35.02	249.19	-111.28	488.17	-4,237.35	4,790.76	4,506.98	283.78	16.882		
7,750.00	7,227.47	7,206.53	7,193.47	35.37	249.83	-100.48	488.17	-4,237.35	4,837.27	4,552.79	284.48	17.004		
7,793.42	7,229.00	7,205.00	7,195.00	35.74	249.78	-90.17	488.17	-4,237.35	4,877.93	4,593.46	284.47	17.147		
7,800.00	7,229.01	7,204.99	7,195.01	35.80	249.78	-90.17	488.17	-4,237.35	4,884.10	4,599.62	284.48	17.169		
7,900.00	7,229.11	7,204.89	7,195.11	36.91	249.78	-90.17	488.17	-4,237.35	4,978.01	4,693.42	284.58	17.492		
8,000.00	7,229.22	7,204.78	7,195.22	38.28	249.77	-90.17	488.17	-4,237.35	5,072.15	4,787.44	284.71	17.815		
8,100.00	7,229.33	7,204.67	7,195.33	39.83	249.77	-90.18	488.17	-4,237.35	5,166.51	4,881.67	284.85	18.138		
8,200.00	7,229.43	7,204.57	7,195.43	41.53	249.77	-90.18	488.17	-4,237.35	5,261.08	4,976.08	285.00	18.460		
8,300.00	7,229.54	7,204.46	7,195.54	43.36	249.76	-90.18	488.17	-4,237.35	5,355.85	5,070.69	285.16	18.782		
8,400.00	7,229.65	7,204.35	7,195.65	45.30	249.76	-90.19	488.17	-4,237.35	5,450.80	5,165.47	285.33	19.103		
8,500.00	7,229.75	7,204.25	7,195.75	47.33	249.76	-90.19	488.17	-4,237.35	5,545.93	5,260.42	285.51	19.424		
8,600.00	7,229.86	7,204.14	7,195.86	49.45	249.75	-90.19	488.17	-4,237.35	5,641.23	5,355.53	285.70	19.745		
8,700.00	7,229.97	7,204.03	7,195.97	51.64	249.75	-90.20	488.17	-4,237.35	5,736.69	5,450.80	285.89	20.066		
8,800.00	7,230.07	7,203.93	7,196.07	53.89	249.74	-90.20	488.17	-4,237.35	5,832.31	5,546.21	286.09	20.386		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - FRAKER J #6-2 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,900.00	7,230.18	7,203.82	7,196.18	56.19	249.74	-90.21	488.17	-4,237.35	5,928.06	5,641.77	286.29	20.706				
9,000.00	7,230.29	7,203.71	7,196.29	58.55	249.74	-90.21	488.17	-4,237.35	6,023.96	5,737.46	286.50	21.026				
9,100.00	7,230.39	7,203.61	7,196.39	60.94	249.73	-90.21	488.17	-4,237.35	6,119.98	5,833.27	286.71	21.346				
9,200.00	7,230.50	7,203.50	7,196.50	63.38	249.73	-90.22	488.17	-4,237.35	6,216.13	5,929.21	286.92	21.665				
9,300.00	7,230.61	7,203.39	7,196.61	65.85	249.73	-90.22	488.17	-4,237.35	6,312.41	6,025.27	287.13	21.984				
9,400.00	7,230.72	7,203.29	7,196.72	68.35	249.72	-90.22	488.17	-4,237.35	6,408.79	6,121.45	287.34	22.303				
9,500.00	7,230.82	7,203.18	7,196.82	70.87	249.72	-90.23	488.17	-4,237.35	6,505.28	6,217.73	287.56	22.622				
9,600.00	7,230.93	7,203.07	7,196.93	73.42	249.71	-90.23	488.17	-4,237.35	6,601.88	6,314.11	287.77	22.941				
9,700.00	7,231.04	7,202.96	7,197.04	75.99	249.71	-90.23	488.17	-4,237.35	6,698.58	6,410.60	287.99	23.260				
9,800.00	7,231.14	7,202.86	7,197.14	78.59	249.71	-90.24	488.17	-4,237.35	6,795.38	6,507.18	288.20	23.579				
9,900.00	7,231.25	7,202.75	7,197.25	81.19	249.70	-90.24	488.17	-4,237.35	6,892.26	6,603.85	288.41	23.897				
10,000.00	7,231.36	7,202.64	7,197.36	83.82	249.70	-90.24	488.17	-4,237.35	6,989.23	6,700.61	288.63	24.216				
10,100.00	7,231.46	7,202.54	7,197.46	86.46	249.70	-90.25	488.17	-4,237.35	7,086.29	6,797.46	288.84	24.534				
10,200.00	7,231.57	7,202.43	7,197.57	89.11	249.69	-90.25	488.17	-4,237.35	7,183.43	6,894.38	289.05	24.852				
10,300.00	7,231.68	7,202.32	7,197.68	91.77	249.69	-90.26	488.17	-4,237.35	7,280.65	6,991.39	289.26	25.170				
10,400.00	7,231.78	7,202.22	7,197.78	94.45	249.68	-90.26	488.17	-4,237.35	7,377.94	7,088.47	289.47	25.488				
10,500.00	7,231.89	7,202.11	7,197.89	97.14	249.68	-90.26	488.17	-4,237.35	7,475.30	7,185.63	289.67	25.806				
10,600.00	7,232.00	7,202.00	7,198.00	99.83	249.68	-90.27	488.17	-4,237.35	7,572.73	7,282.85	289.88	26.124				
10,700.00	7,232.10	7,201.90	7,198.10	102.53	249.67	-90.27	488.17	-4,237.35	7,670.22	7,380.14	290.08	26.442				
10,800.00	7,232.21	7,201.79	7,198.21	105.25	249.67	-90.27	488.17	-4,237.35	7,767.79	7,477.50	290.28	26.759				
10,900.00	7,232.32	7,201.68	7,198.32	107.96	249.67	-90.28	488.17	-4,237.35	7,865.41	7,574.92	290.48	27.077				
11,000.00	7,232.42	7,201.58	7,198.42	110.69	249.66	-90.28	488.17	-4,237.35	7,963.09	7,672.41	290.68	27.395				
11,100.00	7,232.53	7,201.47	7,198.53	113.42	249.66	-90.28	488.17	-4,237.35	8,060.82	7,769.95	290.88	27.712				
11,200.00	7,232.64	7,201.36	7,198.64	116.16	249.65	-90.29	488.17	-4,237.35	8,158.62	7,867.54	291.07	28.029				
11,300.00	7,232.74	7,201.26	7,198.74	118.90	249.65	-90.29	488.17	-4,237.35	8,256.46	7,965.19	291.27	28.347				
11,400.00	7,232.85	7,201.15	7,198.85	121.65	249.65	-90.30	488.17	-4,237.35	8,354.36	8,062.90	291.46	28.664				
11,500.00	7,232.96	7,201.04	7,198.96	124.41	249.64	-90.30	488.17	-4,237.35	8,452.30	8,160.65	291.65	28.981				
11,600.00	7,233.06	7,200.94	7,199.06	127.16	249.64	-90.30	488.17	-4,237.35	8,550.30	8,258.46	291.84	29.298				
11,700.00	7,233.17	7,200.83	7,199.17	129.92	249.64	-90.31	488.17	-4,237.35	8,648.33	8,356.31	292.03	29.615				
11,800.00	7,233.28	7,200.72	7,199.28	132.69	249.63	-90.31	488.17	-4,237.35	8,746.42	8,454.21	292.21	29.932				
11,900.00	7,233.38	7,200.62	7,199.38	135.46	249.63	-90.31	488.17	-4,237.35	8,844.54	8,552.15	292.39	30.249				
12,000.00	7,233.49	7,200.51	7,199.49	138.23	249.62	-90.32	488.17	-4,237.35	8,942.71	8,650.14	292.58	30.565				
12,100.00	7,233.60	7,200.40	7,199.60	141.01	249.62	-90.32	488.17	-4,237.35	9,040.92	8,748.16	292.76	30.882				
12,200.00	7,233.71	7,200.30	7,199.71	143.79	249.62	-90.32	488.17	-4,237.35	9,139.17	8,846.23	292.94	31.199				
12,300.00	7,233.81	7,200.19	7,199.81	146.57	249.61	-90.33	488.17	-4,237.35	9,237.45	8,944.34	293.11	31.515				
12,400.00	7,233.92	7,200.08	7,199.92	149.35	249.61	-90.33	488.17	-4,237.35	9,335.77	9,042.48	293.29	31.831				
12,500.00	7,234.03	7,200.03	7,200.03	152.14	249.61	-90.34	488.17	-4,237.35	9,434.13	9,140.66	293.46	32.147				
12,600.00	7,234.13	7,200.13	7,200.13	154.93	249.61	-90.34	488.17	-4,237.35	9,532.52	9,238.87	293.64	32.463				
12,700.00	7,234.24	7,200.24	7,200.24	157.72	249.62	-90.34	488.17	-4,237.35	9,630.94	9,337.12	293.82	32.778				
12,800.00	7,234.35	7,200.35	7,200.35	160.52	249.62	-90.35	488.17	-4,237.35	9,729.40	9,435.40	294.00	33.093				
12,900.00	7,234.45	7,200.45	7,200.45	163.31	249.62	-90.35	488.17	-4,237.35	9,827.88	9,533.71	294.18	33.408				
13,000.00	7,234.56	7,200.56	7,200.56	166.11	249.63	-90.35	488.17	-4,237.35	9,926.40	9,632.05	294.35	33.723				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	68.57	969.90	2,470.49	2,654.06					
100.00	100.00	92.46	92.46	3.28	3.29	68.57	969.93	2,470.54	2,654.12	2,647.55	6.57	403.933		
200.00	200.00	194.70	194.70	3.34	3.34	68.56	970.06	2,470.60	2,654.22	2,647.54	6.68	397.631		
300.00	299.98	305.67	305.67	3.44	3.46	-125.29	970.31	2,470.32	2,655.08	2,648.18	6.90	384.955		
400.00	399.84	412.49	412.48	3.59	3.63	-125.36	970.58	2,469.66	2,657.62	2,650.40	7.22	368.220		
500.00	499.45	519.09	519.08	3.79	3.85	-125.46	970.76	2,468.67	2,661.88	2,654.25	7.63	348.727		
600.00	598.70	614.22	614.21	4.03	4.07	-125.57	970.68	2,467.88	2,668.19	2,660.09	8.10	329.287		
700.00	697.47	710.75	710.74	4.31	4.33	-125.70	970.72	2,467.16	2,676.70	2,668.05	8.64	309.688		
800.00	795.62	811.81	811.79	4.64	4.63	-125.87	970.95	2,466.29	2,687.29	2,678.03	9.26	290.319		
900.00	893.06	910.91	910.89	5.00	4.94	-126.07	971.16	2,465.37	2,699.94	2,690.02	9.92	272.253		
1,000.00	989.64	1,009.86	1,009.84	5.40	5.26	-126.28	971.35	2,464.39	2,714.72	2,704.09	10.62	255.518		
1,100.00	1,085.27	1,115.91	1,115.87	5.83	5.62	-126.55	971.58	2,463.04	2,731.48	2,720.08	11.40	239.618		
1,200.00	1,179.82	1,218.18	1,218.13	6.29	5.99	-126.83	971.66	2,461.40	2,750.18	2,737.98	12.20	225.409		
1,235.00	1,212.63	1,250.50	1,250.45	6.46	6.10	-126.91	971.68	2,460.85	2,757.24	2,744.76	12.48	220.967		
1,300.00	1,273.43	1,310.03	1,309.96	6.79	6.32	-127.28	971.75	2,459.83	2,770.69	2,757.70	12.99	213.219		
1,400.00	1,366.98	1,399.07	1,399.00	7.30	6.65	-127.82	972.04	2,458.33	2,791.73	2,777.94	13.80	202.352		
1,500.00	1,460.52	1,500.88	1,500.79	7.84	7.03	-128.43	972.31	2,456.59	2,813.00	2,798.33	14.67	191.804		
1,600.00	1,554.07	1,589.53	1,589.42	8.38	7.37	-128.96	972.45	2,455.05	2,834.49	2,818.99	15.50	182.900		
1,700.00	1,647.61	1,684.59	1,684.47	8.93	7.74	-129.51	972.67	2,453.45	2,856.32	2,839.96	16.37	174.524		
1,800.00	1,741.16	1,785.06	1,784.93	9.49	8.13	-130.09	972.78	2,451.65	2,878.28	2,861.01	17.27	166.683		
1,900.00	1,834.70	1,871.99	1,871.84	10.06	8.47	-130.58	972.91	2,450.03	2,900.45	2,882.33	18.12	160.072		
2,000.00	1,928.25	1,951.20	1,951.04	10.63	8.79	-131.03	973.23	2,448.76	2,923.22	2,904.28	18.94	154.322		
2,100.00	2,021.79	2,031.93	2,031.76	11.21	9.11	-131.48	973.88	2,447.81	2,946.74	2,926.97	19.77	149.017		
2,200.00	2,115.33	2,119.67	2,119.50	11.79	9.46	-131.97	974.80	2,446.90	2,970.75	2,950.11	20.64	143.925		
2,300.00	2,208.88	2,205.77	2,205.57	12.37	9.81	-132.45	976.33	2,445.86	2,995.20	2,973.70	21.50	139.295		
2,400.00	2,302.42	2,290.83	2,290.60	12.96	10.15	-132.93	978.32	2,444.79	3,020.14	2,997.78	22.36	135.059		
2,500.00	2,395.97	2,380.92	2,380.65	13.55	10.52	-133.43	980.67	2,443.70	3,045.49	3,022.25	23.25	131.011		
2,600.00	2,489.51	2,454.41	2,454.10	14.14	10.82	-133.84	982.90	2,442.85	3,071.37	3,047.32	24.05	127.700		
2,700.00	2,583.06	2,529.16	2,528.80	14.74	11.13	-134.25	985.71	2,442.32	3,098.16	3,073.29	24.86	124.617		
2,800.00	2,676.60	2,616.56	2,616.14	15.34	11.49	-134.73	989.08	2,441.93	3,125.47	3,099.73	25.73	121.453		
2,900.00	2,770.14	2,705.78	2,705.28	15.93	11.86	-135.21	992.71	2,441.54	3,153.13	3,126.51	26.62	118.468		
3,000.00	2,863.69	2,787.92	2,787.34	16.53	12.20	-135.65	996.21	2,441.28	3,181.22	3,153.76	27.46	115.842		
3,100.00	2,957.23	2,854.28	2,853.64	17.13	12.48	-136.00	999.12	2,441.41	3,210.01	3,181.79	28.22	113.739		
3,200.00	3,050.78	2,927.39	2,926.67	17.74	12.78	-136.37	1,002.47	2,442.24	3,239.79	3,210.78	29.02	111.656		
3,300.00	3,144.32	3,020.55	3,019.72	18.34	13.17	-136.84	1,006.66	2,443.43	3,269.87	3,239.96	29.92	109.303		
3,400.00	3,237.87	3,099.26	3,098.34	18.94	13.50	-137.23	1,010.28	2,444.60	3,300.38	3,269.64	30.74	107.377		
3,500.00	3,331.41	3,187.13	3,186.11	19.55	13.87	-137.65	1,014.36	2,446.17	3,331.31	3,299.70	31.61	105.399		
3,600.00	3,424.96	3,277.08	3,275.95	20.15	14.25	-138.07	1,018.19	2,448.12	3,362.51	3,330.02	32.49	103.500		
3,666.72	3,487.37	3,343.86	3,342.66	20.56	14.53	-138.37	1,020.61	2,449.87	3,383.40	3,350.29	33.11	102.174		
3,700.00	3,518.57	3,379.23	3,378.01	20.76	14.68	-138.66	1,021.84	2,450.75	3,393.66	3,360.23	33.44	101.494		
3,800.00	3,613.09	3,468.16	3,466.86	21.34	15.05	-139.42	1,024.91	2,452.93	3,422.86	3,388.56	34.30	99.792		
3,900.00	3,708.70	3,566.89	3,565.49	21.90	15.46	-140.12	1,028.28	2,455.52	3,449.74	3,414.54	35.20	97.994		
4,000.00	3,805.27	3,714.09	3,712.60	22.44	16.08	-140.85	1,031.62	2,459.18	3,473.39	3,437.02	36.37	95.501		
4,100.00	3,902.69	3,823.63	3,822.11	22.95	16.53	-141.36	1,033.17	2,461.28	3,493.48	3,456.17	37.31	93.640		
4,200.00	4,000.84	3,937.77	3,936.23	23.43	17.01	-141.81	1,034.55	2,463.05	3,510.54	3,472.29	38.26	91.765		
4,300.00	4,099.59	4,050.70	4,049.15	23.89	17.48	-142.16	1,035.69	2,464.30	3,524.46	3,485.28	39.18	89.954		
4,400.00	4,198.84	4,151.03	4,149.47	24.32	17.90	-142.43	1,036.91	2,464.92	3,535.42	3,495.40	40.02	88.344		
4,500.00	4,298.45	4,247.35	4,245.77	24.73	18.31	-142.62	1,038.24	2,465.52	3,543.74	3,502.92	40.82	86.818		
4,600.00	4,398.30	4,350.80	4,349.21	25.11	18.74	-142.76	1,040.01	2,465.89	3,549.30	3,507.66	41.64	85.236		
4,701.72	4,500.00	4,524.92	4,523.30	25.45	19.47	50.96	1,042.75	2,464.69	3,551.35	3,508.53	42.82	82.943		
4,800.00	4,598.28	4,664.67	4,663.00	25.74	20.06	50.91	1,043.91	2,461.07	3,549.83	3,506.07	43.76	81.119		
4,900.00	4,698.28	4,778.56	4,776.83	26.04	20.55	50.87	1,044.47	2,457.47	3,547.69	3,503.11	44.57	79.592		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,875.93	4,874.14	26.34	20.96	50.83	1,044.89	2,454.20	3,545.36	3,500.05	45.30	78.257		
5,100.00	4,898.28	4,983.14	4,981.29	26.65	21.41	50.79	1,045.41	2,450.59	3,543.05	3,496.96	46.09	76.874		
5,200.00	4,998.28	5,075.54	5,073.64	26.96	21.80	50.75	1,045.92	2,447.31	3,540.66	3,493.86	46.80	75.653		
5,300.00	5,098.28	5,184.24	5,182.27	27.27	22.26	50.70	1,046.59	2,443.55	3,538.37	3,490.77	47.60	74.333		
5,400.00	5,198.28	5,281.45	5,279.42	27.59	22.68	50.67	1,046.75	2,440.29	3,535.89	3,487.54	48.35	73.137		
5,500.00	5,298.28	5,362.46	5,360.40	27.91	23.02	50.64	1,046.81	2,437.96	3,533.71	3,484.70	49.01	72.104		
5,600.00	5,398.28	5,474.76	5,472.67	28.23	23.49	50.61	1,046.80	2,435.30	3,531.90	3,482.07	49.84	70.867		
5,700.00	5,498.28	5,567.69	5,565.57	28.56	23.89	50.59	1,046.53	2,432.81	3,529.66	3,479.09	50.57	69.798		
5,800.00	5,598.28	5,644.19	5,642.04	28.89	24.21	50.57	1,046.60	2,431.04	3,527.94	3,476.72	51.22	68.883		
5,900.00	5,698.28	5,723.18	5,721.03	29.22	24.55	50.56	1,046.75	2,429.92	3,526.95	3,475.07	51.88	67.986		
6,000.00	5,798.28	5,822.73	5,820.57	29.56	24.97	50.54	1,047.09	2,428.69	3,526.20	3,473.55	52.65	66.972		
6,100.00	5,898.28	5,919.63	5,917.45	29.90	25.38	50.52	1,047.69	2,427.24	3,525.45	3,472.03	53.41	66.001		
6,200.00	5,998.28	6,000.00	5,997.81	30.24	25.72	50.49	1,048.65	2,426.04	3,525.06	3,470.98	54.09	65.172		
6,213.00	6,011.28	6,009.48	6,007.29	30.28	25.76	50.49	1,048.80	2,425.91	3,525.06	3,470.89	54.17	65.072		
6,300.00	6,098.28	6,071.41	6,069.21	30.58	26.03	50.47	1,049.97	2,425.23	3,525.37	3,470.65	54.71	64.433		
6,400.00	6,198.28	6,166.39	6,164.15	30.92	26.43	50.43	1,052.37	2,424.40	3,526.29	3,470.81	55.47	63.569		
6,500.00	6,298.28	6,259.27	6,256.98	31.27	26.83	50.38	1,055.12	2,423.17	3,527.16	3,470.94	56.22	62.739		
6,600.00	6,398.28	6,369.81	6,367.46	31.62	27.30	50.33	1,058.49	2,421.91	3,528.25	3,471.18	57.07	61.823		
6,700.00	6,498.28	6,490.44	6,488.03	31.97	27.81	50.27	1,061.82	2,419.82	3,528.67	3,470.69	57.98	60.863		
6,794.10	6,592.38	6,571.09	6,568.63	32.31	28.15	50.22	1,064.18	2,418.20	3,528.98	3,470.33	58.65	60.170		
6,800.00	6,598.28	6,575.97	6,573.50	32.33	28.17	-39.60	1,064.33	2,418.11	3,529.00	3,470.31	58.69	60.128		
6,850.00	6,648.21	6,622.55	6,620.05	32.51	28.37	-39.74	1,065.75	2,417.34	3,527.47	3,468.40	59.07	59.717		
6,900.00	6,697.79	6,676.01	6,673.47	32.69	28.60	-40.11	1,067.50	2,416.32	3,522.91	3,463.43	59.48	59.230		
6,950.00	6,746.73	6,723.01	6,720.43	32.86	28.80	-40.68	1,069.16	2,415.27	3,515.35	3,455.51	59.84	58.744		
7,000.00	6,794.71	6,764.36	6,761.74	33.03	28.98	-41.47	1,070.81	2,414.28	3,504.96	3,444.80	60.16	58.258		
7,050.00	6,841.44	6,800.00	6,797.33	33.20	29.13	-42.46	1,072.37	2,413.37	3,491.84	3,431.40	60.44	57.773		
7,100.00	6,886.64	6,834.93	6,832.22	33.35	29.28	-43.68	1,074.04	2,412.50	3,476.15	3,415.45	60.71	57.262		
7,150.00	6,930.03	6,864.95	6,862.19	33.50	29.40	-45.12	1,075.60	2,411.81	3,458.04	3,397.11	60.93	56.751		
7,200.00	6,971.33	6,900.00	6,897.17	33.64	29.55	-46.86	1,077.54	2,411.08	3,437.65	3,376.46	61.19	56.184		
7,250.00	7,010.30	6,937.42	6,934.52	33.77	29.71	-48.92	1,079.69	2,410.27	3,415.01	3,353.56	61.45	55.574		
7,300.00	7,046.69	6,983.00	6,980.01	33.89	29.91	-51.41	1,082.31	2,409.13	3,390.18	3,328.41	61.76	54.889		
7,350.00	7,080.28	7,017.98	7,014.92	34.00	30.06	-54.13	1,084.31	2,408.15	3,363.37	3,301.34	62.02	54.226		
7,400.00	7,110.86	7,045.60	7,042.49	34.11	30.18	-57.10	1,085.85	2,407.42	3,334.88	3,272.63	62.25	53.569		
7,450.00	7,138.25	7,070.30	7,067.14	34.21	30.28	-60.38	1,087.21	2,406.81	3,304.94	3,242.45	62.49	52.891		
7,500.00	7,162.27	7,091.92	7,088.72	34.32	30.37	-63.94	1,088.38	2,406.31	3,273.76	3,211.04	62.72	52.194		
7,550.00	7,182.77	7,116.53	7,113.29	34.43	30.48	-67.89	1,089.69	2,405.75	3,241.57	3,178.56	63.01	51.446		
7,600.00	7,199.64	7,140.19	7,136.91	34.57	30.58	-72.11	1,090.93	2,405.16	3,208.56	3,145.24	63.33	50.667		
7,650.00	7,212.76	7,157.86	7,154.55	34.76	30.65	-76.44	1,091.83	2,404.67	3,175.00	3,111.35	63.65	49.882		
7,700.00	7,222.06	7,150.00	7,146.71	35.02	30.62	-80.30	1,091.43	2,404.89	3,141.18	3,077.32	63.86	49.186		
7,750.00	7,227.47	7,150.00	7,146.71	35.37	30.62	-84.41	1,091.43	2,404.89	3,107.30	3,043.13	64.17	48.424		
7,793.42	7,229.00	7,150.00	7,146.71	35.74	30.62	-87.97	1,091.43	2,404.89	3,077.99	3,013.52	64.47	47.742		
7,800.00	7,229.01	7,150.00	7,146.71	35.80	30.62	-87.97	1,091.43	2,404.89	3,073.57	3,009.05	64.52	47.637		
7,900.00	7,229.11	7,150.00	7,146.71	36.91	30.62	-87.97	1,091.43	2,404.89	3,007.35	2,941.99	65.36	46.011		
8,000.00	7,229.22	8,000.00	7,151.57	38.28	34.25	-88.10	1,091.69	2,404.77	2,943.03	2,873.01	70.02	42.029		
8,100.00	7,229.33	8,100.00	7,149.22	39.83	34.68	-88.04	1,091.56	2,404.83	2,880.76	2,809.11	71.66	40.202		
8,200.00	7,229.43	7,159.55	7,156.24	41.53	30.66	-88.21	1,091.92	2,404.63	2,820.65	2,751.58	69.06	40.841		
8,300.00	7,229.54	7,155.87	7,152.57	43.36	30.65	-88.12	1,091.73	2,404.73	2,762.86	2,692.23	70.63	39.117		
8,400.00	7,229.65	7,152.29	7,149.00	45.30	30.63	-88.03	1,091.55	2,404.83	2,707.54	2,635.16	72.38	37.407		
8,500.00	7,229.75	7,148.82	7,145.53	47.33	30.62	-87.95	1,091.37	2,404.92	2,654.82	2,580.52	74.31	35.727		
8,600.00	7,229.86	7,145.44	7,142.15	49.45	30.60	-87.86	1,091.20	2,405.02	2,604.88	2,528.47	76.41	34.092		
8,700.00	7,229.97	7,142.15	7,138.87	51.64	30.59	-87.78	1,091.03	2,405.10	2,557.87	2,479.21	78.66	32.517		
8,800.00	7,230.07	7,138.95	7,135.68	53.89	30.57	-87.70	1,090.86	2,405.19	2,513.96	2,432.89	81.06	31.013		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,135.84	7,132.57	56.19	30.56	-87.62	1,090.70	2,405.27	2,473.30	2,389.72	83.59	29.589		
9,000.00	7,230.29	7,132.81	7,129.55	58.55	30.55	-87.54	1,090.54	2,405.35	2,436.08	2,349.85	86.23	28.253		
9,100.00	7,230.39	7,129.86	7,126.60	60.94	30.54	-87.47	1,090.39	2,405.42	2,402.44	2,313.49	88.95	27.008		
9,200.00	7,230.50	7,126.98	7,123.73	63.38	30.52	-87.40	1,090.24	2,405.49	2,372.53	2,280.79	91.75	25.860		
9,300.00	7,230.61	7,124.17	7,120.93	65.85	30.51	-87.33	1,090.09	2,405.56	2,346.51	2,251.93	94.59	24.808		
9,400.00	7,230.72	7,121.44	7,118.20	68.35	30.50	-87.26	1,089.95	2,405.63	2,324.50	2,227.06	97.45	23.854		
9,500.00	7,230.82	7,118.77	7,115.53	70.87	30.49	-87.19	1,089.81	2,405.70	2,306.62	2,206.32	100.30	22.997		
9,600.00	7,230.93	7,116.17	7,112.94	73.42	30.48	-87.12	1,089.67	2,405.76	2,292.96	2,189.83	103.13	22.234		
9,700.00	7,231.04	7,113.63	7,110.40	75.99	30.47	-87.06	1,089.54	2,405.82	2,283.60	2,177.70	105.90	21.564		
9,800.00	7,231.14	7,111.15	7,107.93	78.59	30.46	-87.00	1,089.41	2,405.88	2,278.59	2,169.99	108.59	20.983		
9,864.35	7,231.21	7,109.59	7,106.36	80.26	30.45	-86.96	1,089.33	2,405.91	2,277.68	2,167.40	110.28	20.654 CC		
9,900.00	7,231.25	7,108.75	7,105.52	81.19	30.45	-86.94	1,089.28	2,405.94	2,277.96	2,166.77	111.19	20.487 ES		
10,000.00	7,231.36	7,106.50	7,103.28	83.82	30.44	-86.88	1,089.16	2,405.99	2,281.71	2,168.04	113.67	20.073		
10,100.00	7,231.46	7,104.22	7,101.00	86.46	30.43	-86.82	1,089.04	2,406.04	2,289.83	2,173.82	116.01	19.738		
10,200.00	7,231.57	7,101.90	7,098.69	89.11	30.42	-86.77	1,088.92	2,406.09	2,302.26	2,184.05	118.21	19.476		
10,300.00	7,231.68	7,099.56	7,096.35	91.77	30.41	-86.71	1,088.79	2,406.14	2,318.95	2,198.70	120.24	19.285		
10,400.00	7,231.78	7,097.18	7,093.97	94.45	30.40	-86.65	1,088.66	2,406.19	2,339.78	2,217.67	122.12	19.160		
10,500.00	7,231.89	7,094.76	7,091.56	97.14	30.39	-86.59	1,088.54	2,406.25	2,364.67	2,240.85	123.82	19.098		
10,600.00	7,232.00	7,092.31	7,089.11	99.83	30.38	-86.52	1,088.40	2,406.30	2,393.48	2,268.12	125.35	19.094 SF		
10,700.00	7,232.10	7,089.82	7,086.63	102.53	30.36	-86.46	1,088.27	2,406.36	2,426.06	2,299.34	126.72	19.145		
10,800.00	7,232.21	7,087.30	7,084.11	105.25	30.35	-86.40	1,088.13	2,406.41	2,462.28	2,334.36	127.92	19.248		
10,900.00	7,232.32	7,084.73	7,081.55	107.96	30.34	-86.33	1,088.00	2,406.47	2,501.97	2,373.00	128.97	19.399		
11,000.00	7,232.42	7,082.13	7,078.95	110.69	30.33	-86.27	1,087.86	2,406.53	2,544.97	2,415.09	129.87	19.596		
11,100.00	7,232.53	7,079.49	7,076.32	113.42	30.32	-86.20	1,087.71	2,406.60	2,591.11	2,460.48	130.64	19.834		
11,200.00	7,232.64	7,076.81	7,073.64	116.16	30.31	-86.13	1,087.57	2,406.66	2,640.24	2,508.97	131.27	20.113		
11,300.00	7,232.74	7,074.08	7,070.92	118.90	30.30	-86.07	1,087.42	2,406.72	2,692.18	2,560.39	131.79	20.428		
11,400.00	7,232.85	7,071.32	7,068.16	121.65	30.29	-86.00	1,087.27	2,406.79	2,746.78	2,614.58	132.20	20.778		
11,500.00	7,232.96	7,068.51	7,065.35	124.41	30.27	-85.93	1,087.12	2,406.86	2,803.89	2,671.37	132.51	21.160		
11,600.00	7,233.06	7,065.65	7,062.50	127.16	30.26	-85.85	1,086.96	2,406.93	2,863.34	2,730.61	132.73	21.572		
11,700.00	7,233.17	7,062.75	7,059.61	129.92	30.25	-85.78	1,086.80	2,407.00	2,925.00	2,792.13	132.88	22.013		
11,800.00	7,233.28	7,059.80	7,056.66	132.69	30.24	-85.71	1,086.64	2,407.07	2,988.74	2,855.79	132.95	22.479		
11,900.00	7,233.38	7,056.81	7,053.67	135.46	30.22	-85.63	1,086.47	2,407.14	3,054.42	2,921.45	132.97	22.971		
12,000.00	7,233.49	7,053.76	7,050.63	138.23	30.21	-85.55	1,086.31	2,407.22	3,121.92	2,988.99	132.93	23.486		
12,100.00	7,233.60	7,050.66	7,047.54	141.01	30.20	-85.48	1,086.14	2,407.30	3,191.12	3,058.28	132.84	24.023		
12,200.00	7,233.71	7,047.52	7,044.40	143.79	30.18	-85.40	1,085.96	2,407.38	3,261.92	3,129.21	132.71	24.580		
12,300.00	7,233.81	7,044.32	7,041.21	146.57	30.17	-85.32	1,085.78	2,407.46	3,334.21	3,201.66	132.54	25.156		
12,400.00	7,233.92	7,041.06	7,037.96	149.35	30.16	-85.24	1,085.60	2,407.54	3,407.90	3,275.55	132.35	25.750		
12,500.00	7,234.03	7,037.75	7,034.65	152.14	30.14	-85.15	1,085.42	2,407.63	3,482.90	3,350.77	132.13	26.360		
12,600.00	7,234.13	7,034.38	7,031.29	154.93	30.13	-85.07	1,085.23	2,407.72	3,559.13	3,427.24	131.88	26.987		
12,700.00	7,234.24	7,030.95	7,027.87	157.72	30.11	-84.98	1,085.04	2,407.81	3,636.50	3,504.88	131.62	27.629		
12,800.00	7,234.35	7,027.47	7,024.39	160.52	30.10	-84.89	1,084.84	2,407.90	3,714.96	3,583.61	131.34	28.284		
12,900.00	7,234.45	7,023.92	7,020.85	163.31	30.08	-84.81	1,084.64	2,407.99	3,794.43	3,663.37	131.06	28.953		
13,000.00	7,234.56	7,020.31	7,017.24	166.11	30.07	-84.71	1,084.44	2,408.09	3,874.84	3,744.08	130.76	29.634		
13,100.00	7,234.67	7,016.63	7,013.57	168.91	30.05	-84.62	1,084.23	2,408.19	3,956.15	3,825.70	130.45	30.327		
13,200.00	7,234.77	7,012.88	7,009.83	171.71	30.04	-84.53	1,084.02	2,408.29	4,038.29	3,908.15	130.14	31.031		
13,300.00	7,234.88	7,009.07	7,006.03	174.52	30.02	-84.43	1,083.80	2,408.40	4,121.22	3,991.40	129.82	31.745		
13,400.00	7,234.99	7,005.18	7,002.15	177.32	30.00	-84.33	1,083.58	2,408.51	4,204.89	4,075.39	129.50	32.470		
13,500.00	7,235.09	7,001.23	6,998.20	180.13	29.99	-84.24	1,083.35	2,408.62	4,289.26	4,160.08	129.18	33.203		
13,600.00	7,235.20	7,000.00	6,996.98	182.94	29.98	-84.20	1,083.28	2,408.66	4,374.28	4,245.40	128.88	33.941		
13,700.00	7,235.31	7,000.00	6,996.98	185.74	29.98	-84.20	1,083.28	2,408.66	4,459.93	4,331.34	128.59	34.684		
13,800.00	7,235.41	6,994.48	6,991.47	188.56	29.96	-84.07	1,082.97	2,408.81	4,546.15	4,417.90	128.26	35.445		
13,900.00	7,235.52	6,992.48	6,989.47	191.37	29.95	-84.02	1,082.85	2,408.87	4,632.94	4,504.98	127.96	36.207		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	6,990.50	6,987.50	194.18	29.94	-83.97	1,082.74	2,408.92	4,720.24	4,592.58	127.66	36.976		
14,100.00	7,235.73	6,988.55	6,985.55	197.00	29.93	-83.92	1,082.63	2,408.98	4,808.04	4,680.67	127.36	37.751		
14,200.00	7,235.84	6,986.62	6,983.63	199.81	29.92	-83.87	1,082.52	2,409.03	4,896.30	4,769.23	127.07	38.533		
14,300.00	7,235.95	6,984.72	6,981.73	202.63	29.92	-83.82	1,082.41	2,409.08	4,985.01	4,858.22	126.78	39.320		
14,400.00	7,236.05	6,982.84	6,979.85	205.44	29.91	-83.77	1,082.30	2,409.13	5,074.13	4,947.63	126.50	40.112		
14,500.00	7,236.16	6,980.99	6,978.00	208.26	29.90	-83.73	1,082.19	2,409.18	5,163.65	5,037.43	126.22	40.910		
14,600.00	7,236.27	6,979.15	6,976.17	211.08	29.89	-83.68	1,082.09	2,409.23	5,253.55	5,127.61	125.95	41.712		
14,700.00	7,236.37	6,977.34	6,974.36	213.90	29.88	-83.64	1,081.99	2,409.28	5,343.81	5,218.13	125.68	42.520		
14,800.00	7,236.48	6,975.55	6,972.58	216.72	29.88	-83.59	1,081.88	2,409.33	5,434.41	5,308.99	125.42	43.331		
14,900.00	7,236.59	6,973.78	6,970.81	219.55	29.87	-83.55	1,081.78	2,409.37	5,525.33	5,400.17	125.16	44.147		
15,000.00	7,236.69	6,972.03	6,969.07	222.37	29.86	-83.50	1,081.68	2,409.42	5,616.56	5,491.65	124.90	44.967		
15,100.00	7,236.80	6,970.31	6,967.34	225.19	29.85	-83.46	1,081.58	2,409.46	5,708.08	5,583.42	124.66	45.790		
15,200.00	7,236.91	6,968.60	6,965.64	228.02	29.85	-83.42	1,081.48	2,409.51	5,799.88	5,675.47	124.42	46.617		
15,300.00	7,237.02	6,966.91	6,963.96	230.84	29.84	-83.37	1,081.39	2,409.55	5,891.95	5,767.77	124.18	47.447		
15,400.00	7,237.12	6,965.25	6,962.29	233.67	29.83	-83.33	1,081.29	2,409.59	5,984.27	5,860.32	123.95	48.280		
15,500.00	7,237.23	6,963.60	6,960.65	236.50	29.83	-83.29	1,081.20	2,409.64	6,076.84	5,953.11	123.72	49.117		
15,600.00	7,237.34	6,961.97	6,959.02	239.32	29.82	-83.25	1,081.10	2,409.68	6,169.63	6,046.13	123.50	49.956		
15,700.00	7,237.44	6,960.36	6,957.42	242.15	29.81	-83.21	1,081.01	2,409.72	6,262.65	6,139.36	123.29	50.798		
15,800.00	7,237.55	6,958.77	6,955.83	244.98	29.81	-83.17	1,080.92	2,409.76	6,355.88	6,232.80	123.08	51.642		
15,900.00	7,237.66	6,957.19	6,954.26	247.81	29.80	-83.13	1,080.83	2,409.80	6,449.31	6,326.44	122.87	52.488		
16,000.00	7,237.76	6,955.64	6,952.70	250.64	29.79	-83.09	1,080.74	2,409.83	6,542.93	6,420.26	122.67	53.337		
16,100.00	7,237.87	6,954.10	6,951.17	253.47	29.79	-83.05	1,080.65	2,409.87	6,636.74	6,514.27	122.48	54.188		
16,200.00	7,237.98	6,952.57	6,949.65	256.30	29.78	-83.02	1,080.57	2,409.91	6,730.73	6,608.44	122.29	55.041		
16,300.00	7,238.08	6,951.07	6,948.14	259.13	29.77	-82.98	1,080.48	2,409.95	6,824.89	6,702.79	122.10	55.896		
16,400.00	7,238.19	6,949.58	6,946.66	261.96	29.77	-82.94	1,080.39	2,409.98	6,919.21	6,797.29	121.92	56.752		
16,500.00	7,238.30	6,948.11	6,945.19	264.79	29.76	-82.90	1,080.31	2,410.02	7,013.69	6,891.94	121.74	57.611		
16,600.00	7,238.40	6,946.65	6,943.73	267.63	29.75	-82.87	1,080.23	2,410.05	7,108.31	6,986.74	121.57	58.470		
16,700.00	7,238.51	6,945.21	6,942.30	270.46	29.75	-82.83	1,080.14	2,410.09	7,203.09	7,081.68	121.40	59.331		
16,800.00	7,238.62	6,943.79	6,940.87	273.29	29.74	-82.80	1,080.06	2,410.12	7,298.00	7,176.76	121.24	60.194		
16,900.00	7,238.72	6,942.37	6,939.47	276.13	29.74	-82.76	1,079.98	2,410.15	7,393.05	7,271.96	121.08	61.058		
17,000.00	7,238.83	6,940.98	6,938.07	278.96	29.73	-82.73	1,079.90	2,410.19	7,488.22	7,367.29	120.93	61.922		
17,100.00	7,238.94	6,939.60	6,936.70	281.80	29.72	-82.69	1,079.82	2,410.22	7,583.52	7,462.74	120.78	62.788		
17,200.00	7,239.04	6,938.23	6,935.33	284.63	29.72	-82.66	1,079.74	2,410.25	7,678.94	7,558.30	120.63	63.655		
17,300.00	7,239.15	6,936.88	6,933.98	287.47	29.71	-82.62	1,079.66	2,410.28	7,774.47	7,653.98	120.49	64.523		
17,400.00	7,239.26	6,935.54	6,932.65	290.30	29.71	-82.59	1,079.59	2,410.31	7,870.11	7,749.76	120.35	65.392		
17,500.00	7,239.36	6,934.22	6,931.33	293.14	29.70	-82.56	1,079.51	2,410.34	7,965.86	7,845.64	120.22	66.261		
17,600.00	7,239.47	6,932.91	6,930.02	295.98	29.69	-82.52	1,079.44	2,410.37	8,061.72	7,941.63	120.09	67.132		
17,700.00	7,239.58	6,931.61	6,928.73	298.81	29.69	-82.49	1,079.36	2,410.40	8,157.67	8,037.71	119.96	68.002		
17,800.00	7,239.68	6,930.33	6,927.44	301.65	29.68	-82.46	1,079.29	2,410.43	8,253.71	8,133.88	119.84	68.874		
17,900.00	7,239.79	6,929.06	6,926.18	304.49	29.68	-82.43	1,079.21	2,410.46	8,349.85	8,230.14	119.72	69.746		
18,000.00	7,239.90	6,927.80	6,924.92	307.33	29.67	-82.40	1,079.14	2,410.49	8,446.08	8,326.48	119.60	70.618		
18,095.23	7,240.00	6,926.62	6,923.74	310.03	29.67	-82.37	1,079.07	2,410.52	8,537.80	8,418.31	119.49	71.449		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	93.89	-609.30	8,965.59	8,986.31					
100.00	100.00	72.00	72.00	3.28	3.51	93.89	-609.30	8,965.59	8,986.27	8,979.47	6.80	1,322.046		
200.00	200.00	172.00	172.00	3.34	5.38	93.89	-609.30	8,965.59	8,986.27	8,977.56	8.71	1,031.400		
300.00	299.98	271.98	271.98	3.44	8.41	-99.94	-609.30	8,965.59	8,986.57	8,974.72	11.85	758.087		
400.00	399.84	371.84	371.84	3.59	11.70	-99.96	-609.30	8,965.59	8,987.48	8,972.18	15.29	587.686		
500.00	499.45	471.45	471.45	3.79	15.07	-99.98	-609.30	8,965.59	8,988.99	8,970.13	18.86	476.599		
600.00	598.70	570.70	570.70	4.03	18.47	-100.02	-609.30	8,965.59	8,991.12	8,968.62	22.50	399.590		
700.00	697.47	669.47	669.47	4.31	21.87	-100.06	-609.30	8,965.59	8,993.88	8,967.69	26.19	343.446		
800.00	795.62	767.62	767.62	4.64	25.27	-100.11	-609.30	8,965.59	8,997.28	8,967.38	29.90	300.873		
900.00	893.06	865.06	865.06	5.00	28.64	-100.17	-609.30	8,965.59	9,001.34	8,967.70	33.64	267.576		
1,000.00	989.64	961.64	961.64	5.40	31.99	-100.23	-609.30	8,965.59	9,006.08	8,968.69	37.39	240.882		
1,100.00	1,085.27	1,057.27	1,057.27	5.83	35.32	-100.30	-609.30	8,965.59	9,011.52	8,970.38	41.14	219.044		
1,200.00	1,179.82	1,151.82	1,151.82	6.29	38.60	-100.37	-609.30	8,965.59	9,017.69	8,972.80	44.89	200.879		
1,235.00	1,212.63	1,184.63	1,184.63	6.46	39.75	-100.39	-609.30	8,965.59	9,020.02	8,973.82	46.20	195.231		
1,300.00	1,273.43	1,245.43	1,245.43	6.79	41.86	-100.53	-609.30	8,965.59	9,024.47	8,975.83	48.64	185.537		
1,400.00	1,366.98	1,338.98	1,338.98	7.30	45.12	-100.74	-609.30	8,965.59	9,031.42	8,979.02	52.41	172.330		
1,500.00	1,460.52	1,432.52	1,432.52	7.84	48.38	-100.94	-609.30	8,965.59	9,038.51	8,982.32	56.19	160.852		
1,600.00	1,554.07	1,526.07	1,526.07	8.38	51.63	-101.15	-609.30	8,965.59	9,045.73	8,985.74	59.99	150.793		
1,700.00	1,647.61	1,619.61	1,619.61	8.93	54.89	-101.35	-609.30	8,965.59	9,053.08	8,989.29	63.79	141.911		
1,800.00	1,741.16	1,713.16	1,713.16	9.49	58.15	-101.56	-609.30	8,965.59	9,060.57	8,992.96	67.61	134.015		
1,900.00	1,834.70	1,806.70	1,806.70	10.06	61.41	-101.76	-609.30	8,965.59	9,068.18	8,996.75	71.43	126.952		
2,000.00	1,928.25	1,900.25	1,900.25	10.63	64.68	-101.97	-609.30	8,965.59	9,075.93	9,000.67	75.26	120.598		
2,100.00	2,021.79	2,006.21	2,006.21	11.21	68.37	-102.17	-609.30	8,965.59	9,083.81	9,004.29	79.52	114.229		
2,200.00	2,115.33	2,087.33	2,087.33	11.79	71.20	-102.38	-609.30	8,965.59	9,091.82	9,008.89	82.93	109.638		
2,300.00	2,208.88	2,180.88	2,180.88	12.37	74.46	-102.58	-609.30	8,965.59	9,099.96	9,013.19	86.77	104.880		
2,400.00	2,302.42	2,274.42	2,274.42	12.96	77.72	-102.79	-609.30	8,965.59	9,108.23	9,017.62	90.61	100.523		
2,500.00	2,395.97	2,367.97	2,367.97	13.55	80.99	-102.99	-609.30	8,965.59	9,116.63	9,022.17	94.45	96.520		
2,600.00	2,489.51	2,461.51	2,461.51	14.14	84.25	-103.19	-609.30	8,965.59	9,125.15	9,026.85	98.30	92.830		
2,700.00	2,583.06	2,555.06	2,555.06	14.74	87.51	-103.40	-609.30	8,965.59	9,133.81	9,031.66	102.15	89.417		
2,800.00	2,676.60	2,648.60	2,648.60	15.34	90.78	-103.60	-609.30	8,965.59	9,142.59	9,036.59	106.00	86.251		
2,900.00	2,770.14	2,742.14	2,742.14	15.93	94.04	-103.80	-609.30	8,965.59	9,151.51	9,041.66	109.85	83.308		
3,000.00	2,863.69	2,835.69	2,835.69	16.53	97.30	-104.00	-609.30	8,965.59	9,160.55	9,046.84	113.70	80.565		
3,100.00	2,957.23	2,929.23	2,929.23	17.13	100.57	-104.20	-609.30	8,965.59	9,169.72	9,052.16	117.56	78.002		
3,200.00	3,050.78	3,022.78	3,022.78	17.74	103.83	-104.40	-609.30	8,965.59	9,179.01	9,057.60	121.41	75.602		
3,300.00	3,144.32	3,116.32	3,116.32	18.34	107.10	-104.60	-609.30	8,965.59	9,188.43	9,063.16	125.27	73.350		
3,400.00	3,237.87	3,209.87	3,209.87	18.94	110.36	-104.80	-609.30	8,965.59	9,197.98	9,068.86	129.12	71.234		
3,500.00	3,331.41	3,303.41	3,303.41	19.55	113.62	-105.00	-609.30	8,965.59	9,207.65	9,074.67	132.98	69.241		
3,600.00	3,424.96	3,403.05	3,396.96	20.15	117.10	-105.20	-609.30	8,965.59	9,217.45	9,080.40	137.05	67.256		
3,666.72	3,487.37	3,459.37	3,459.37	20.56	119.07	-105.34	-609.30	8,965.59	9,224.06	9,084.65	139.41	66.165		
3,700.00	3,518.57	3,509.43	3,490.57	20.76	120.81	-105.47	-609.30	8,965.59	9,227.33	9,085.97	141.35	65.279		
3,800.00	3,613.09	3,585.09	3,585.09	21.34	123.45	-105.83	-609.30	8,965.59	9,236.59	9,092.03	144.57	63.892		
3,900.00	3,708.70	3,680.70	3,680.70	21.90	126.79	-106.16	-609.30	8,965.59	9,245.01	9,096.55	148.45	62.276		
4,000.00	3,805.27	3,777.27	3,777.27	22.44	130.16	-106.45	-609.30	8,965.59	9,252.53	9,100.18	152.35	60.732		
4,100.00	3,902.69	3,874.69	3,874.69	22.95	133.56	-106.71	-609.30	8,965.59	9,259.12	9,102.87	156.25	59.258		
4,200.00	4,000.84	3,972.84	3,972.84	23.43	136.99	-106.93	-609.30	8,965.59	9,264.75	9,104.60	160.15	57.849		
4,300.00	4,099.59	4,071.59	4,071.59	23.89	140.43	-107.11	-609.30	8,965.59	9,269.40	9,105.35	164.05	56.502		
4,400.00	4,198.84	4,170.84	4,170.84	24.32	143.90	-107.25	-609.30	8,965.59	9,273.05	9,105.10	167.95	55.214		
4,500.00	4,298.45	4,270.45	4,270.45	24.73	147.37	-107.35	-609.30	8,965.59	9,275.67	9,103.84	171.83	53.982		
4,600.00	4,398.30	4,370.30	4,370.30	25.11	150.86	-107.42	-609.30	8,965.59	9,277.25	9,101.55	175.70	52.803		
4,701.72	4,500.00	4,472.00	4,472.00	25.45	154.41	86.39	-609.30	8,965.59	9,277.79	9,098.21	179.58	51.663		
4,800.00	4,598.28	4,570.28	4,570.28	25.74	157.84	86.39	-609.30	8,965.59	9,277.79	9,094.49	183.30	50.614		
4,900.00	4,698.28	4,670.28	4,670.28	26.04	161.33	86.39	-609.30	8,965.59	9,277.79	9,090.69	187.10	49.589		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,770.28	4,770.28	26.34	164.82	86.39	-609.30	8,965.59	9,277.79	9,086.90	190.89	48.603		
5,100.00	4,898.28	4,870.28	4,870.28	26.65	168.31	86.39	-609.30	8,965.59	9,277.79	9,083.10	194.69	47.654		
5,200.00	4,998.28	4,970.28	4,970.28	26.96	171.80	86.39	-609.30	8,965.59	9,277.79	9,079.30	198.49	46.742		
5,300.00	5,098.28	5,070.28	5,070.28	27.27	175.29	86.39	-609.30	8,965.59	9,277.79	9,075.49	202.30	45.862		
5,400.00	5,198.28	5,170.28	5,170.28	27.59	178.78	86.39	-609.30	8,965.59	9,277.79	9,071.68	206.11	45.015		
5,500.00	5,298.28	5,270.28	5,270.28	27.91	182.27	86.39	-609.30	8,965.59	9,277.79	9,067.87	209.92	44.197		
5,600.00	5,398.28	5,370.28	5,370.28	28.23	185.76	86.39	-609.30	8,965.59	9,277.79	9,064.06	213.74	43.408		
5,700.00	5,498.28	5,470.28	5,470.28	28.56	189.25	86.39	-609.30	8,965.59	9,277.79	9,060.24	217.55	42.646		
5,800.00	5,598.28	5,570.28	5,570.28	28.89	192.74	86.39	-609.30	8,965.59	9,277.79	9,056.41	221.38	41.910		
5,900.00	5,698.28	5,670.28	5,670.28	29.22	196.23	86.39	-609.30	8,965.59	9,277.79	9,052.59	225.20	41.198		
6,000.00	5,798.28	5,770.28	5,770.28	29.56	199.72	86.39	-609.30	8,965.59	9,277.79	9,048.76	229.03	40.509		
6,100.00	5,898.28	5,870.28	5,870.28	29.90	203.21	86.39	-609.30	8,965.59	9,277.79	9,044.93	232.86	39.843		
6,200.00	5,998.28	5,970.28	5,970.28	30.24	206.70	86.39	-609.30	8,965.59	9,277.79	9,041.10	236.69	39.198		
6,300.00	6,098.28	6,070.28	6,070.28	30.58	210.19	86.39	-609.30	8,965.59	9,277.79	9,037.26	240.53	38.573		
6,400.00	6,198.28	6,170.28	6,170.28	30.92	213.68	86.39	-609.30	8,965.59	9,277.79	9,033.43	244.36	37.967		
6,500.00	6,298.28	6,270.28	6,270.28	31.27	217.18	86.39	-609.30	8,965.59	9,277.79	9,029.59	248.20	37.380		
6,600.00	6,398.28	6,370.28	6,370.28	31.62	220.67	86.39	-609.30	8,965.59	9,277.79	9,025.74	252.05	36.810		
6,700.00	6,498.28	6,470.28	6,470.28	31.97	224.16	86.39	-609.30	8,965.59	9,277.79	9,021.90	255.89	36.257		
6,794.10	6,592.38	6,564.38	6,564.38	32.31	227.44	86.39	-609.30	8,965.59	9,277.79	9,018.28	259.51	35.751		
6,800.00	6,598.28	6,570.28	6,570.28	32.33	227.65	-3.43	-609.30	8,965.59	9,277.76	9,018.02	259.74	35.720		
6,850.00	6,648.21	6,620.21	6,620.21	32.51	229.39	-3.44	-609.30	8,965.59	9,275.34	9,013.68	261.66	35.448		
6,900.00	6,697.79	6,669.79	6,669.79	32.69	231.12	-3.48	-609.30	8,965.59	9,269.02	9,005.45	263.57	35.167		
6,950.00	6,746.73	6,718.73	6,718.73	32.86	232.83	-3.54	-609.30	8,965.59	9,258.83	8,993.38	265.45	34.880		
7,000.00	6,794.71	6,766.71	6,766.71	33.03	234.50	-3.63	-609.30	8,965.59	9,244.84	8,977.55	267.29	34.587		
7,050.00	6,841.44	6,813.44	6,813.44	33.20	236.14	-3.74	-609.30	8,965.59	9,227.14	8,958.06	269.08	34.292		
7,100.00	6,886.64	6,858.64	6,858.64	33.35	237.71	-3.90	-609.30	8,965.59	9,205.83	8,935.03	270.80	33.995		
7,150.00	6,930.03	6,902.03	6,902.03	33.50	239.23	-4.08	-609.30	8,965.59	9,181.05	8,908.60	272.45	33.699		
7,200.00	6,971.33	6,943.33	6,943.33	33.64	240.67	-4.32	-609.30	8,965.59	9,152.94	8,878.94	274.01	33.404		
7,250.00	7,010.30	6,982.30	6,982.30	33.77	242.03	-4.62	-609.30	8,965.59	9,121.69	8,846.21	275.48	33.112		
7,300.00	7,046.69	7,018.69	7,018.69	33.89	243.30	-4.99	-609.30	8,965.59	9,087.49	8,810.64	276.85	32.825		
7,350.00	7,080.28	7,052.28	7,052.28	34.00	244.47	-5.46	-609.30	8,965.59	9,050.54	8,772.43	278.10	32.544		
7,400.00	7,110.86	7,082.86	7,082.86	34.11	245.54	-6.07	-609.30	8,965.59	9,011.07	8,731.83	279.24	32.270		
7,450.00	7,138.25	7,110.25	7,110.25	34.21	246.50	-6.87	-609.30	8,965.59	8,969.33	8,689.07	280.26	32.004		
7,500.00	7,162.27	7,134.27	7,134.27	34.32	247.33	-7.95	-609.30	8,965.59	8,925.58	8,644.43	281.15	31.747		
7,550.00	7,182.77	7,154.77	7,154.77	34.43	248.05	-9.50	-609.30	8,965.59	8,880.08	8,598.18	281.90	31.501		
7,600.00	7,199.64	7,171.64	7,171.64	34.57	248.64	-11.84	-609.30	8,965.59	8,833.12	8,550.60	282.52	31.265		
7,650.00	7,212.76	7,184.76	7,184.76	34.76	249.10	-15.75	-609.30	8,965.59	8,784.98	8,501.98	283.00	31.042		
7,700.00	7,222.06	7,205.94	7,194.06	35.02	249.84	-23.37	-609.30	8,965.59	8,735.96	8,452.20	283.76	30.787		
7,750.00	7,227.47	7,200.53	7,199.47	35.37	249.65	-42.76	-609.30	8,965.59	8,686.37	8,402.79	283.58	30.631		
7,793.42	7,229.00	7,201.00	7,201.00	35.74	249.66	-89.05	-609.30	8,965.59	8,643.07	8,359.47	283.60	30.476		
7,800.00	7,229.01	7,201.01	7,201.01	35.80	249.66	-89.05	-609.30	8,965.59	8,636.51	8,352.90	283.61	30.452		
7,900.00	7,229.11	7,201.11	7,201.11	36.91	249.67	-89.06	-609.30	8,965.59	8,536.72	8,253.09	283.63	30.098		
8,000.00	7,229.22	7,201.22	7,201.22	38.28	249.67	-89.07	-609.30	8,965.59	8,436.93	8,153.28	283.65	29.744		
8,100.00	7,229.33	7,201.33	7,201.33	39.83	249.67	-89.08	-609.30	8,965.59	8,337.15	8,053.47	283.68	29.389		
8,200.00	7,229.43	7,201.43	7,201.43	41.53	249.68	-89.09	-609.30	8,965.59	8,237.37	7,953.67	283.71	29.035		
8,300.00	7,229.54	7,201.54	7,201.54	43.36	249.68	-89.10	-609.30	8,965.59	8,137.60	7,853.86	283.74	28.680		
8,400.00	7,229.65	7,201.65	7,201.65	45.30	249.69	-89.12	-609.30	8,965.59	8,037.84	7,754.06	283.78	28.325		
8,500.00	7,229.75	7,201.75	7,201.75	47.33	249.69	-89.13	-609.30	8,965.59	7,938.08	7,654.27	283.81	27.969		
8,600.00	7,229.86	7,201.86	7,201.86	49.45	249.69	-89.14	-609.30	8,965.59	7,838.33	7,554.47	283.86	27.614		
8,700.00	7,229.97	7,201.97	7,201.97	51.64	249.70	-89.15	-609.30	8,965.59	7,738.58	7,454.68	283.90	27.258		
8,800.00	7,230.07	7,202.07	7,202.07	53.89	249.70	-89.16	-609.30	8,965.59	7,638.84	7,354.90	283.95	26.902		
8,900.00	7,230.18	7,202.18	7,202.18	56.19	249.70	-89.17	-609.30	8,965.59	7,539.11	7,255.11	284.00	26.546		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	7,202.29	7,202.29	58.55	249.71	-89.18	-609.30	8,965.59	7,439.39	7,155.33	284.05	26.190		
9,100.00	7,230.39	7,202.39	7,202.39	60.94	249.71	-89.19	-609.30	8,965.59	7,339.67	7,055.55	284.11	25.834		
9,200.00	7,230.50	7,202.50	7,202.50	63.38	249.72	-89.20	-609.30	8,965.59	7,239.96	6,955.78	284.18	25.477		
9,300.00	7,230.61	7,202.61	7,202.61	65.85	249.72	-89.22	-609.30	8,965.59	7,140.26	6,856.01	284.24	25.120		
9,400.00	7,230.72	7,202.72	7,202.72	68.35	249.72	-89.23	-609.30	8,965.59	7,040.56	6,756.25	284.32	24.763		
9,500.00	7,230.82	7,202.82	7,202.82	70.87	249.73	-89.24	-609.30	8,965.59	6,940.88	6,656.49	284.39	24.406		
9,600.00	7,230.93	7,202.93	7,202.93	73.42	249.73	-89.25	-609.30	8,965.59	6,841.20	6,556.73	284.48	24.048		
9,700.00	7,231.04	7,203.04	7,203.04	75.99	249.73	-89.26	-609.30	8,965.59	6,741.54	6,456.98	284.56	23.691		
9,800.00	7,231.14	7,203.14	7,203.14	78.59	249.74	-89.27	-609.30	8,965.59	6,641.88	6,357.23	284.65	23.333		
9,900.00	7,231.25	7,203.25	7,203.25	81.19	249.74	-89.28	-609.30	8,965.59	6,542.24	6,257.48	284.75	22.975		
10,000.00	7,231.36	7,203.36	7,203.36	83.82	249.75	-89.29	-609.30	8,965.59	6,442.60	6,157.74	284.86	22.617		
10,100.00	7,231.46	7,203.46	7,203.46	86.46	249.75	-89.30	-609.30	8,965.59	6,342.98	6,058.01	284.97	22.258		
10,200.00	7,231.57	7,203.57	7,203.57	89.11	249.75	-89.31	-609.30	8,965.59	6,243.37	5,958.28	285.09	21.900		
10,300.00	7,231.68	7,203.68	7,203.68	91.77	249.76	-89.33	-609.30	8,965.59	6,143.77	5,858.56	285.21	21.541		
10,400.00	7,231.78	7,203.78	7,203.78	94.45	249.76	-89.34	-609.30	8,965.59	6,044.19	5,758.84	285.35	21.182		
10,500.00	7,231.89	7,203.89	7,203.89	97.14	249.76	-89.35	-609.30	8,965.59	5,944.62	5,659.13	285.49	20.823		
10,600.00	7,232.00	7,204.00	7,204.00	99.83	249.77	-89.36	-609.30	8,965.59	5,845.06	5,559.42	285.64	20.463		
10,700.00	7,232.10	7,204.10	7,204.10	102.53	249.77	-89.37	-609.30	8,965.59	5,745.52	5,459.72	285.80	20.104		
10,800.00	7,232.21	7,204.21	7,204.21	105.25	249.78	-89.38	-609.30	8,965.59	5,646.00	5,360.03	285.96	19.744		
10,900.00	7,232.32	7,204.32	7,204.32	107.96	249.78	-89.39	-609.30	8,965.59	5,546.49	5,260.34	286.14	19.384		
11,000.00	7,232.42	7,204.42	7,204.42	110.69	249.78	-89.40	-609.30	8,965.59	5,447.00	5,160.66	286.34	19.023		
11,100.00	7,232.53	7,204.53	7,204.53	113.42	249.79	-89.41	-609.30	8,965.59	5,347.53	5,060.99	286.54	18.662		
11,200.00	7,232.64	7,204.64	7,204.64	116.16	249.79	-89.42	-609.30	8,965.59	5,248.08	4,961.32	286.76	18.302		
11,300.00	7,232.74	7,204.74	7,204.74	118.90	249.79	-89.44	-609.30	8,965.59	5,148.65	4,861.66	286.99	17.940		
11,400.00	7,232.85	7,204.85	7,204.85	121.65	249.80	-89.45	-609.30	8,965.59	5,049.24	4,762.01	287.23	17.579		
11,500.00	7,232.96	7,204.96	7,204.96	124.41	249.80	-89.46	-609.30	8,965.59	4,949.86	4,662.37	287.49	17.217		
11,600.00	7,233.06	7,205.06	7,205.06	127.16	249.81	-89.47	-609.30	8,965.59	4,850.50	4,562.73	287.77	16.855		
11,700.00	7,233.17	7,205.17	7,205.17	129.92	249.81	-89.48	-609.30	8,965.59	4,751.17	4,463.11	288.07	16.493		
11,800.00	7,233.28	7,205.28	7,205.28	132.69	249.81	-89.49	-609.30	8,965.59	4,651.87	4,363.49	288.38	16.131		
11,900.00	7,233.38	7,205.38	7,205.38	135.46	249.82	-89.50	-609.30	8,965.59	4,552.60	4,263.88	288.72	15.768		
12,000.00	7,233.49	7,205.49	7,205.49	138.23	249.82	-89.51	-609.30	8,965.59	4,453.37	4,164.28	289.09	15.405		
12,100.00	7,233.60	7,205.60	7,205.60	141.01	249.82	-89.52	-609.30	8,965.59	4,354.16	4,064.69	289.47	15.042		
12,200.00	7,233.71	7,205.71	7,205.71	143.79	249.83	-89.53	-609.30	8,965.59	4,255.00	3,965.11	289.89	14.678		
12,300.00	7,233.81	7,205.81	7,205.81	146.57	249.83	-89.55	-609.30	8,965.59	4,155.87	3,865.54	290.33	14.314		
12,400.00	7,233.92	7,205.92	7,205.92	149.35	249.84	-89.56	-609.30	8,965.59	4,056.79	3,765.98	290.81	13.950		
12,500.00	7,234.03	7,206.03	7,206.03	152.14	249.84	-89.57	-609.30	8,965.59	3,957.75	3,666.43	291.32	13.585		
12,600.00	7,234.13	7,206.13	7,206.13	154.93	249.84	-89.58	-609.30	8,965.59	3,858.76	3,566.89	291.87	13.221		
12,700.00	7,234.24	7,206.24	7,206.24	157.72	249.85	-89.59	-609.30	8,965.59	3,759.83	3,467.36	292.47	12.856		
12,800.00	7,234.35	7,206.35	7,206.35	160.52	249.85	-89.60	-609.30	8,965.59	3,660.95	3,367.85	293.11	12.490		
12,900.00	7,234.45	7,206.45	7,206.45	163.31	249.85	-89.61	-609.30	8,965.59	3,562.14	3,268.35	293.80	12.125		
13,000.00	7,234.56	7,206.56	7,206.56	166.11	249.86	-89.62	-609.30	8,965.59	3,463.40	3,168.86	294.54	11.759		
13,100.00	7,234.67	7,206.67	7,206.67	168.91	249.86	-89.63	-609.30	8,965.59	3,364.73	3,069.38	295.34	11.393		
13,200.00	7,234.77	7,206.77	7,206.77	171.71	249.86	-89.65	-609.30	8,965.59	3,266.14	2,969.92	296.22	11.026		
13,300.00	7,234.88	7,206.88	7,206.88	174.52	249.87	-89.66	-609.30	8,965.59	3,167.64	2,870.48	297.16	10.660		
13,400.00	7,234.99	7,206.99	7,206.99	177.32	249.87	-89.67	-609.30	8,965.59	3,069.23	2,771.05	298.19	10.293		
13,500.00	7,235.09	7,207.09	7,207.09	180.13	249.88	-89.68	-609.30	8,965.59	2,970.93	2,671.63	299.30	9.926		
13,600.00	7,235.20	7,207.20	7,207.20	182.94	249.88	-89.69	-609.30	8,965.59	2,872.75	2,572.24	300.52	9.559		
13,700.00	7,235.31	7,207.31	7,207.31	185.74	249.88	-89.70	-609.30	8,965.59	2,774.70	2,472.86	301.84	9.193		
13,800.00	7,235.41	7,207.41	7,207.41	188.56	249.89	-89.71	-609.30	8,965.59	2,676.80	2,373.51	303.29	8.826		
13,900.00	7,235.52	7,207.52	7,207.52	191.37	249.89	-89.72	-609.30	8,965.59	2,579.05	2,274.18	304.88	8.459		
14,000.00	7,235.63	7,207.63	7,207.63	194.18	249.89	-89.73	-609.30	8,965.59	2,481.49	2,174.87	306.62	8.093		
14,100.00	7,235.73	7,207.73	7,207.73	197.00	249.90	-89.74	-609.30	8,965.59	2,384.12	2,075.59	308.53	7.727		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,235.84	7,207.84	7,207.84	199.81	249.90	-89.76	-609.30	8,965.59	2,286.99	1,976.34	310.64	7.362		
14,300.00	7,235.95	7,207.95	7,207.95	202.63	249.91	-89.77	-609.30	8,965.59	2,190.11	1,877.14	312.97	6.998		
14,400.00	7,236.05	7,208.05	7,208.05	205.44	249.91	-89.78	-609.30	8,965.59	2,093.52	1,777.97	315.56	6.634		
14,500.00	7,236.16	7,208.16	7,208.16	208.26	249.91	-89.79	-609.30	8,965.59	1,997.28	1,678.85	318.42	6.272		
14,600.00	7,236.27	7,208.27	7,208.27	211.08	249.92	-89.80	-609.30	8,965.59	1,901.41	1,579.80	321.62	5.912		
14,700.00	7,236.37	7,208.37	7,208.37	213.90	249.92	-89.81	-609.30	8,965.59	1,806.00	1,480.81	325.19	5.554		
14,800.00	7,236.48	7,208.48	7,208.48	216.72	249.92	-89.82	-609.30	8,965.59	1,711.11	1,381.92	329.19	5.198		
14,900.00	7,236.59	7,208.59	7,208.59	219.55	249.93	-89.83	-609.30	8,965.59	1,616.84	1,283.14	333.70	4.845		
15,000.00	7,236.69	7,208.69	7,208.69	222.37	249.93	-89.84	-609.30	8,965.59	1,523.30	1,184.51	338.78	4.496		
15,100.00	7,236.80	7,208.80	7,208.80	225.19	249.94	-89.85	-609.30	8,965.59	1,430.63	1,086.08	344.55	4.152		
15,200.00	7,236.91	7,208.91	7,208.91	228.02	249.94	-89.87	-609.30	8,965.59	1,339.02	987.90	351.12	3.814		
15,300.00	7,237.02	7,209.02	7,209.02	230.84	249.94	-89.88	-609.30	8,965.59	1,248.69	890.07	358.63	3.482		
15,400.00	7,237.12	7,209.12	7,209.12	233.67	249.95	-89.89	-609.30	8,965.59	1,159.96	792.72	367.24	3.159		
15,500.00	7,237.23	7,209.23	7,209.23	236.50	249.95	-89.90	-609.30	8,965.59	1,073.20	696.06	377.14	2.846		
15,600.00	7,237.34	7,209.34	7,209.34	239.32	249.95	-89.91	-609.30	8,965.59	988.95	600.41	388.54	2.545		
15,700.00	7,237.44	7,209.44	7,209.44	242.15	249.96	-89.92	-609.30	8,965.59	907.91	506.26	401.65	2.260		
15,800.00	7,237.55	7,209.55	7,209.55	244.98	249.96	-89.93	-609.30	8,965.59	831.00	414.38	416.62	1.995		
15,900.00	7,237.66	7,209.66	7,209.66	247.81	249.97	-89.94	-609.30	8,965.59	759.49	326.02	433.47	1.752		
16,000.00	7,237.76	7,209.76	7,209.76	250.64	249.97	-89.95	-609.30	8,965.59	695.05	243.14	451.91	1.538		
16,100.00	7,237.87	7,209.87	7,209.87	253.47	249.97	-89.96	-609.30	8,965.59	639.81	168.75	471.06	1.358 Level 3		
16,200.00	7,237.98	7,209.98	7,209.98	256.30	249.98	-89.98	-609.30	8,965.59	596.34	107.16	489.19	1.219 Level 2		
16,300.00	7,238.08	7,210.08	7,210.08	259.13	249.98	-89.99	-609.30	8,965.59	567.35	63.65	503.71	1.126 Level 2		
16,400.00	7,238.19	7,210.19	7,210.19	261.96	249.98	-90.00	-609.30	8,965.59	555.12	43.28	511.83	1.085 Level 2		
16,418.67	7,238.21	7,210.21	7,210.21	262.49	249.98	-90.00	-609.30	8,965.59	554.80	42.33	512.47	1.083 Level 2, CC, ES, SF		
16,500.00	7,238.30	7,210.30	7,210.30	264.79	249.99	-90.01	-609.30	8,965.59	560.73	48.83	511.90	1.095 Level 2		
16,600.00	7,238.40	7,210.40	7,210.40	267.63	249.99	-90.02	-609.30	8,965.59	583.68	79.33	504.35	1.157 Level 2		
16,700.00	7,238.51	7,210.51	7,210.51	270.46	250.00	-90.03	-609.30	8,965.59	622.05	130.66	491.40	1.266 Level 3		
16,800.00	7,238.62	7,210.62	7,210.62	273.29	250.00	-90.04	-609.30	8,965.59	673.21	197.49	475.72	1.415 Level 3		
16,900.00	7,238.72	7,210.72	7,210.72	276.13	250.00	-90.05	-609.30	8,965.59	734.49	275.03	459.47	1.599		
17,000.00	7,238.83	7,210.83	7,210.83	278.96	250.01	-90.06	-609.30	8,965.59	803.58	359.66	443.93	1.810		
17,100.00	7,238.94	7,210.94	7,210.94	281.80	250.01	-90.08	-609.30	8,965.59	878.64	448.92	429.72	2.045		
17,200.00	7,239.04	7,211.04	7,211.04	284.63	250.01	-90.09	-609.30	8,965.59	958.27	541.22	417.04	2.298		
17,300.00	7,239.15	7,211.15	7,211.15	287.47	250.02	-90.10	-609.30	8,965.59	1,041.41	635.55	405.87	2.566		
17,400.00	7,239.26	7,211.26	7,211.26	290.30	250.02	-90.11	-609.30	8,965.59	1,127.30	731.24	396.06	2.846		
17,500.00	7,239.36	7,211.36	7,211.36	293.14	250.03	-90.12	-609.30	8,965.59	1,215.35	827.89	387.46	3.137		
17,600.00	7,239.47	7,211.47	7,211.47	295.98	250.03	-90.13	-609.30	8,965.59	1,305.12	925.20	379.92	3.435		
17,700.00	7,239.58	7,211.58	7,211.58	298.81	250.03	-90.14	-609.30	8,965.59	1,396.28	1,023.00	373.28	3.741		
17,800.00	7,239.68	7,211.68	7,211.68	301.65	250.04	-90.15	-609.30	8,965.59	1,488.58	1,121.17	367.41	4.052		
17,900.00	7,239.79	7,211.79	7,211.79	304.49	250.04	-90.16	-609.30	8,965.59	1,581.81	1,219.60	362.21	4.367		
18,000.00	7,239.90	7,211.90	7,211.90	307.33	250.04	-90.17	-609.30	8,965.59	1,675.83	1,318.24	357.59	4.686		
18,095.23	7,240.00	7,212.00	7,212.00	310.03	250.05	-90.18	-609.30	8,965.59	1,765.97	1,412.33	353.64	4.994		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,000.00	7,229.22	7,185.22	7,185.22	38.28	249.11	-89.70	830.20	10,281.74	9,940.67	9,657.59	283.08	35.116		
8,100.00	7,229.33	7,185.33	7,185.33	39.83	249.12	-89.70	830.20	10,281.74	9,842.71	9,559.52	283.19	34.757		
8,200.00	7,229.43	7,185.43	7,185.43	41.53	249.12	-89.71	830.20	10,281.74	9,744.80	9,461.49	283.31	34.396		
8,300.00	7,229.54	7,185.54	7,185.54	43.36	249.12	-89.71	830.20	10,281.74	9,646.93	9,363.48	283.45	34.034		
8,400.00	7,229.65	7,185.65	7,185.65	45.30	249.13	-89.71	830.20	10,281.74	9,549.10	9,265.50	283.60	33.671		
8,500.00	7,229.75	7,185.75	7,185.75	47.33	249.13	-89.72	830.20	10,281.74	9,451.32	9,167.55	283.77	33.306		
8,600.00	7,229.86	7,185.86	7,185.86	49.45	249.13	-89.72	830.20	10,281.74	9,353.59	9,069.63	283.95	32.940		
8,700.00	7,229.97	7,185.97	7,185.97	51.64	249.14	-89.72	830.20	10,281.74	9,255.90	8,971.75	284.16	32.573		
8,800.00	7,230.07	7,186.07	7,186.07	53.89	249.14	-89.73	830.20	10,281.74	9,158.27	8,873.89	284.38	32.205		
8,900.00	7,230.18	7,186.18	7,186.18	56.19	249.15	-89.73	830.20	10,281.74	9,060.68	8,776.07	284.61	31.835		
9,000.00	7,230.29	7,186.29	7,186.29	58.55	249.15	-89.73	830.20	10,281.74	8,963.15	8,678.28	284.87	31.464		
9,100.00	7,230.39	7,186.39	7,186.39	60.94	249.15	-89.73	830.20	10,281.74	8,865.67	8,580.52	285.15	31.091		
9,200.00	7,230.50	7,186.50	7,186.50	63.38	249.16	-89.74	830.20	10,281.74	8,768.26	8,482.81	285.45	30.717		
9,300.00	7,230.61	7,186.61	7,186.61	65.85	249.16	-89.74	830.20	10,281.74	8,670.89	8,385.12	285.77	30.342		
9,400.00	7,230.72	7,186.72	7,186.72	68.35	249.16	-89.74	830.20	10,281.74	8,573.59	8,287.48	286.11	29.966		
9,500.00	7,230.82	7,186.82	7,186.82	70.87	249.17	-89.75	830.20	10,281.74	8,476.36	8,189.88	286.48	29.588		
9,600.00	7,230.93	7,186.93	7,186.93	73.42	249.17	-89.75	830.20	10,281.74	8,379.19	8,092.32	286.87	29.209		
9,700.00	7,231.04	7,187.04	7,187.04	75.99	249.18	-89.75	830.20	10,281.74	8,282.08	7,994.80	287.28	28.829		
9,800.00	7,231.14	7,187.14	7,187.14	78.59	249.18	-89.76	830.20	10,281.74	8,185.05	7,897.32	287.73	28.447		
9,900.00	7,231.25	7,187.25	7,187.25	81.19	249.18	-89.76	830.20	10,281.74	8,088.08	7,799.89	288.19	28.065		
10,000.00	7,231.36	7,187.36	7,187.36	83.82	249.19	-89.76	830.20	10,281.74	7,991.20	7,702.51	288.69	27.681		
10,100.00	7,231.46	7,187.46	7,187.46	86.46	249.19	-89.77	830.20	10,281.74	7,894.39	7,605.17	289.21	27.296		
10,200.00	7,231.57	7,187.57	7,187.57	89.11	249.19	-89.77	830.20	10,281.74	7,797.66	7,507.89	289.76	26.910		
10,300.00	7,231.68	7,187.68	7,187.68	91.77	249.20	-89.77	830.20	10,281.74	7,701.01	7,410.66	290.35	26.523		
10,400.00	7,231.78	7,187.78	7,187.78	94.45	249.20	-89.77	830.20	10,281.74	7,604.45	7,313.49	290.96	26.136		
10,500.00	7,231.89	7,187.89	7,187.89	97.14	249.21	-89.78	830.20	10,281.74	7,507.98	7,216.37	291.61	25.747		
10,600.00	7,232.00	7,188.00	7,188.00	99.83	249.21	-89.78	830.20	10,281.74	7,411.61	7,119.32	292.29	25.357		
10,700.00	7,232.10	7,188.10	7,188.10	102.53	249.21	-89.78	830.20	10,281.74	7,315.33	7,022.33	293.00	24.967		
10,800.00	7,232.21	7,188.21	7,188.21	105.25	249.22	-89.79	830.20	10,281.74	7,219.15	6,925.40	293.75	24.576		
10,900.00	7,232.32	7,188.32	7,188.32	107.96	249.22	-89.79	830.20	10,281.74	7,123.08	6,828.54	294.54	24.184		
11,000.00	7,232.42	7,188.42	7,188.42	110.69	249.22	-89.79	830.20	10,281.74	7,027.12	6,731.75	295.36	23.791		
11,100.00	7,232.53	7,188.53	7,188.53	113.42	249.23	-89.80	830.20	10,281.74	6,931.27	6,635.04	296.23	23.399		
11,200.00	7,232.64	7,188.64	7,188.64	116.16	249.23	-89.80	830.20	10,281.74	6,835.54	6,538.41	297.13	23.005		
11,300.00	7,232.74	7,188.74	7,188.74	118.90	249.24	-89.80	830.20	10,281.74	6,739.93	6,441.86	298.08	22.611		
11,400.00	7,232.85	7,188.85	7,188.85	121.65	249.24	-89.81	830.20	10,281.74	6,644.46	6,345.39	299.07	22.217		
11,500.00	7,232.96	7,188.96	7,188.96	124.41	249.24	-89.81	830.20	10,281.74	6,549.12	6,249.02	300.10	21.823		
11,600.00	7,233.06	7,189.06	7,189.06	127.16	249.25	-89.81	830.20	10,281.74	6,453.92	6,152.74	301.18	21.429		
11,700.00	7,233.17	7,189.17	7,189.17	129.92	249.25	-89.81	830.20	10,281.74	6,358.86	6,056.56	302.31	21.034		
11,800.00	7,233.28	7,189.28	7,189.28	132.69	249.25	-89.82	830.20	10,281.74	6,263.97	5,960.48	303.49	20.640		
11,900.00	7,233.38	7,189.38	7,189.38	135.46	249.26	-89.82	830.20	10,281.74	6,169.23	5,864.51	304.71	20.246		
12,000.00	7,233.49	7,189.49	7,189.49	138.23	249.26	-89.82	830.20	10,281.74	6,074.66	5,768.66	306.00	19.852		
12,100.00	7,233.60	7,189.60	7,189.60	141.01	249.27	-89.83	830.20	10,281.74	5,980.27	5,672.93	307.33	19.459		
12,200.00	7,233.71	7,189.71	7,189.71	143.79	249.27	-89.83	830.20	10,281.74	5,886.06	5,577.33	308.73	19.065		
12,300.00	7,233.81	7,189.81	7,189.81	146.57	249.27	-89.83	830.20	10,281.74	5,792.05	5,481.87	310.18	18.673		
12,400.00	7,233.92	7,189.92	7,189.92	149.35	249.28	-89.84	830.20	10,281.74	5,698.24	5,386.54	311.70	18.281		
12,500.00	7,234.03	7,209.97	7,190.03	152.14	249.98	-89.84	830.20	10,281.74	5,604.65	5,290.67	313.97	17.851		
12,600.00	7,234.13	7,209.87	7,190.13	154.93	249.97	-89.84	830.20	10,281.74	5,511.28	5,195.66	315.61	17.462		
12,700.00	7,234.24	7,209.76	7,190.24	157.72	249.97	-89.85	830.20	10,281.74	5,418.14	5,100.82	317.32	17.075		
12,800.00	7,234.35	7,209.65	7,190.35	160.52	249.97	-89.85	830.20	10,281.74	5,325.26	5,006.16	319.10	16.688		
12,900.00	7,234.45	7,209.55	7,190.45	163.31	249.96	-89.85	830.20	10,281.74	5,232.64	4,911.68	320.96	16.303		
13,000.00	7,234.56	7,209.44	7,190.56	166.11	249.96	-89.85	830.20	10,281.74	5,140.29	4,817.41	322.89	15.920		
13,100.00	7,234.67	7,209.33	7,190.67	168.91	249.95	-89.86	830.20	10,281.74	5,048.24	4,723.34	324.90	15.538		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,234.77	7,209.23	7,190.77	171.71	249.95	-89.86	830.20	10,281.74	4,956.50	4,629.49	327.00	15.157		
13,300.00	7,234.88	7,209.12	7,190.88	174.52	249.95	-89.86	830.20	10,281.74	4,865.08	4,535.88	329.19	14.779		
13,400.00	7,234.99	7,209.01	7,190.99	177.32	249.94	-89.87	830.20	10,281.74	4,774.00	4,442.52	331.48	14.402		
13,500.00	7,235.09	7,208.91	7,191.09	180.13	249.94	-89.87	830.20	10,281.74	4,683.29	4,349.43	333.85	14.028		
13,600.00	7,235.20	7,208.80	7,191.20	182.94	249.94	-89.87	830.20	10,281.74	4,592.96	4,256.63	336.34	13.656		
13,700.00	7,235.31	7,208.69	7,191.31	185.74	249.93	-89.88	830.20	10,281.74	4,503.05	4,164.12	338.92	13.286		
13,800.00	7,235.41	7,208.59	7,191.41	188.56	249.93	-89.88	830.20	10,281.74	4,413.56	4,071.94	341.62	12.920		
13,900.00	7,235.52	7,208.48	7,191.52	191.37	249.92	-89.88	830.20	10,281.74	4,324.54	3,980.11	344.43	12.556		
14,000.00	7,235.63	7,208.37	7,191.63	194.18	249.92	-89.89	830.20	10,281.74	4,236.01	3,888.64	347.37	12.195		
14,100.00	7,235.73	7,208.27	7,191.73	197.00	249.92	-89.89	830.20	10,281.74	4,148.00	3,797.57	350.43	11.837		
14,200.00	7,235.84	7,208.16	7,191.84	199.81	249.91	-89.89	830.20	10,281.74	4,060.54	3,706.92	353.62	11.483		
14,300.00	7,235.95	7,208.05	7,191.95	202.63	249.91	-89.89	830.20	10,281.74	3,973.68	3,616.72	356.96	11.132		
14,400.00	7,236.05	7,207.95	7,192.05	205.44	249.91	-89.90	830.20	10,281.74	3,887.44	3,527.01	360.43	10.785		
14,500.00	7,236.16	7,207.84	7,192.16	208.26	249.90	-89.90	830.20	10,281.74	3,801.88	3,437.82	364.06	10.443		
14,600.00	7,236.27	7,207.73	7,192.27	211.08	249.90	-89.90	830.20	10,281.74	3,717.05	3,349.20	367.85	10.105		
14,700.00	7,236.37	7,207.63	7,192.37	213.90	249.89	-89.91	830.20	10,281.74	3,632.98	3,261.18	371.80	9.771		
14,800.00	7,236.48	7,207.52	7,192.48	216.72	249.89	-89.91	830.20	10,281.74	3,549.74	3,173.82	375.92	9.443		
14,900.00	7,236.59	7,207.41	7,192.59	219.55	249.89	-89.91	830.20	10,281.74	3,467.39	3,087.16	380.23	9.119		
15,000.00	7,236.69	7,207.31	7,192.69	222.37	249.88	-89.92	830.20	10,281.74	3,385.98	3,001.27	384.71	8.801		
15,100.00	7,236.80	7,207.20	7,192.80	225.19	249.88	-89.92	830.20	10,281.74	3,305.60	2,916.21	389.39	8.489		
15,200.00	7,236.91	7,207.09	7,192.91	228.02	249.88	-89.92	830.20	10,281.74	3,226.32	2,832.05	394.27	8.183		
15,300.00	7,237.02	7,206.98	7,193.02	230.84	249.87	-89.93	830.20	10,281.74	3,148.21	2,748.86	399.35	7.883		
15,400.00	7,237.12	7,206.88	7,193.12	233.67	249.87	-89.93	830.20	10,281.74	3,071.37	2,666.74	404.64	7.590		
15,500.00	7,237.23	7,206.77	7,193.23	236.50	249.86	-89.93	830.20	10,281.74	2,995.91	2,585.77	410.14	7.305		
15,600.00	7,237.34	7,206.66	7,193.34	239.32	249.86	-89.93	830.20	10,281.74	2,921.91	2,506.06	415.85	7.026		
15,700.00	7,237.44	7,206.56	7,193.44	242.15	249.86	-89.94	830.20	10,281.74	2,849.51	2,427.72	421.78	6.756		
15,800.00	7,237.55	7,206.45	7,193.55	244.98	249.85	-89.94	830.20	10,281.74	2,778.81	2,350.89	427.93	6.494		
15,900.00	7,237.66	7,206.34	7,193.66	247.81	249.85	-89.94	830.20	10,281.74	2,709.96	2,275.69	434.28	6.240		
16,000.00	7,237.76	7,206.24	7,193.76	250.64	249.85	-89.95	830.20	10,281.74	2,643.11	2,202.28	440.83	5.996		
16,100.00	7,237.87	7,206.13	7,193.87	253.47	249.84	-89.95	830.20	10,281.74	2,578.40	2,130.82	447.57	5.761		
16,200.00	7,237.98	7,206.02	7,193.98	256.30	249.84	-89.95	830.20	10,281.74	2,516.00	2,061.51	454.49	5.536		
16,300.00	7,238.08	7,205.92	7,194.08	259.13	249.84	-89.96	830.20	10,281.74	2,456.09	1,994.53	461.55	5.321		
16,400.00	7,238.19	7,205.81	7,194.19	261.96	249.83	-89.96	830.20	10,281.74	2,398.85	1,930.10	468.74	5.118		
16,500.00	7,238.30	7,205.70	7,194.30	264.79	249.83	-89.96	830.20	10,281.74	2,344.48	1,868.46	476.02	4.925		
16,600.00	7,238.40	7,205.60	7,194.40	267.63	249.82	-89.96	830.20	10,281.74	2,293.18	1,809.84	483.35	4.744		
16,700.00	7,238.51	7,205.49	7,194.51	270.46	249.82	-89.97	830.20	10,281.74	2,245.17	1,754.51	490.67	4.576		
16,800.00	7,238.62	7,205.38	7,194.62	273.29	249.82	-89.97	830.20	10,281.74	2,200.66	1,702.74	497.93	4.420		
16,900.00	7,238.72	7,205.28	7,194.72	276.13	249.81	-89.97	830.20	10,281.74	2,159.87	1,654.81	505.06	4.276		
17,000.00	7,238.83	7,205.17	7,194.83	278.96	249.81	-89.98	830.20	10,281.74	2,123.00	1,611.01	512.00	4.147		
17,100.00	7,238.94	7,205.06	7,194.94	281.80	249.81	-89.98	830.20	10,281.74	2,090.28	1,571.62	518.66	4.030		
17,200.00	7,239.04	7,204.96	7,195.04	284.63	249.80	-89.98	830.20	10,281.74	2,061.89	1,536.92	524.97	3.928		
17,300.00	7,239.15	7,204.85	7,195.15	287.47	249.80	-89.99	830.20	10,281.74	2,038.01	1,507.17	530.84	3.839		
17,400.00	7,239.26	7,204.74	7,195.26	290.30	249.79	-89.99	830.20	10,281.74	2,018.81	1,482.60	536.21	3.765		
17,500.00	7,239.36	7,204.64	7,195.36	293.14	249.79	-89.99	830.20	10,281.74	2,004.42	1,463.44	540.99	3.705		
17,600.00	7,239.47	7,204.53	7,195.47	295.98	249.79	-90.00	830.20	10,281.74	1,994.95	1,449.83	545.12	3.660		
17,700.00	7,239.58	7,204.42	7,195.58	298.81	249.78	-90.00	830.20	10,281.74	1,990.46	1,441.90	548.56	3.629		
17,739.44	7,239.62	7,204.38	7,195.62	299.93	249.78	-90.00	830.20	10,281.74	1,990.07	1,440.36	549.71	3.620 CC		
17,800.00	7,239.68	7,204.32	7,195.68	301.65	249.78	-90.00	830.20	10,281.74	1,990.99	1,439.73	551.26	3.612 ES		
17,900.00	7,239.79	7,204.21	7,195.79	304.49	249.78	-90.00	830.20	10,281.74	1,996.54	1,443.33	553.21	3.609 SF		
18,000.00	7,239.90	7,204.10	7,195.90	307.33	249.77	-90.01	830.20	10,281.74	2,007.06	1,452.65	554.41	3.620		
18,095.23	7,240.00	7,204.00	7,196.00	310.03	249.77	-90.01	830.20	10,281.74	2,021.62	1,466.77	554.86	3.644		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.63	-522.56	5,296.49	5,322.25					
100.00	100.00	96.59	96.59	3.28	3.29	95.64	-522.77	5,296.29	5,322.06	5,315.49	6.57	809.855		
200.00	200.00	231.87	231.86	3.34	3.34	95.65	-523.41	5,295.22	5,321.30	5,314.62	6.68	796.501		
300.00	299.98	315.13	315.12	3.44	3.43	-98.20	-523.81	5,294.47	5,320.70	5,313.83	6.87	774.251		
400.00	399.84	446.36	446.34	3.59	3.64	-98.27	-524.42	5,293.28	5,320.64	5,313.41	7.23	735.586		
500.00	499.45	560.73	560.70	3.79	3.89	-98.38	-524.62	5,291.58	5,320.44	5,312.77	7.68	693.174		
500.54	499.99	561.34	561.31	3.79	3.89	-98.38	-524.62	5,291.57	5,320.44	5,312.76	7.68	692.935		
600.00	598.70	627.99	627.96	4.03	4.06	-98.45	-524.92	5,290.75	5,321.01	5,312.92	8.08	658.244		
700.00	697.47	712.83	712.79	4.31	4.28	-98.56	-525.54	5,289.98	5,322.51	5,313.91	8.60	619.075		
800.00	795.62	791.85	791.80	4.64	4.52	-98.67	-526.00	5,289.50	5,324.85	5,315.70	9.15	581.863		
900.00	893.06	881.11	881.06	5.00	4.79	-98.82	-525.65	5,289.33	5,328.12	5,318.34	9.78	544.648		
1,000.00	989.64	961.23	961.15	5.40	5.04	-98.98	-523.52	5,289.39	5,332.14	5,321.71	10.43	511.368		
1,100.00	1,085.27	1,042.71	1,042.51	5.83	5.30	-99.18	-519.24	5,290.02	5,337.33	5,326.21	11.12	480.071		
1,200.00	1,179.82	1,505.51	1,503.17	6.29	7.00	-101.12	-477.96	5,281.00	5,342.56	5,329.27	13.28	402.216		
1,235.00	1,212.63	1,532.89	1,530.44	6.46	7.11	-101.24	-476.13	5,279.35	5,342.67	5,329.11	13.56	394.011		
1,300.00	1,273.43	1,598.09	1,595.42	6.79	7.37	-101.51	-472.54	5,275.41	5,343.11	5,328.97	14.14	377.833		
1,400.00	1,366.98	1,685.56	1,682.55	7.30	7.73	-101.89	-467.10	5,269.85	5,343.71	5,328.71	15.01	356.122		
1,500.00	1,460.52	1,728.06	1,724.92	7.84	7.90	-102.07	-464.90	5,267.45	5,345.29	5,329.59	15.71	340.340		
1,600.00	1,554.07	1,753.00	1,749.81	8.38	8.00	-102.17	-463.90	5,266.21	5,348.07	5,331.73	16.35	327.166		
1,700.00	1,647.61	1,816.49	1,813.18	8.93	8.26	-102.43	-461.08	5,263.64	5,351.82	5,334.67	17.15	312.028		
1,800.00	1,741.16	1,888.22	1,884.77	9.49	8.56	-102.74	-457.01	5,261.49	5,356.65	5,338.65	18.00	297.597		
1,900.00	1,834.70	1,978.74	1,975.14	10.06	8.93	-103.12	-452.67	5,258.65	5,361.69	5,342.76	18.93	283.199		
2,000.00	1,928.25	2,065.29	2,061.59	10.63	9.29	-103.47	-449.40	5,256.19	5,367.28	5,347.42	19.85	270.328		
2,100.00	2,021.79	2,148.76	2,144.98	11.21	9.64	-103.80	-446.74	5,253.67	5,373.00	5,352.23	20.77	258.715		
2,200.00	2,115.33	2,213.00	2,209.19	11.79	9.90	-104.05	-445.63	5,252.25	5,379.61	5,358.01	21.60	249.013		
2,300.00	2,208.88	2,262.02	2,258.20	12.37	10.11	-104.23	-445.07	5,251.50	5,387.06	5,364.69	22.38	240.747		
2,400.00	2,302.42	2,354.61	2,350.77	12.96	10.49	-104.58	-443.52	5,250.37	5,395.14	5,371.81	23.34	231.200		
2,500.00	2,395.97	2,508.65	2,504.75	13.55	11.13	-105.18	-440.56	5,247.44	5,402.86	5,378.30	24.56	219.971		
2,600.00	2,489.51	2,582.00	2,578.07	14.14	11.44	-105.45	-439.33	5,245.68	5,410.34	5,384.89	25.45	212.603		
2,700.00	2,583.06	2,642.69	2,638.75	14.74	11.69	-105.68	-439.13	5,244.50	5,418.46	5,392.19	26.27	206.234		
2,800.00	2,676.60	2,674.00	2,670.05	15.34	11.81	-105.79	-439.50	5,244.14	5,427.62	5,400.65	26.97	201.221		
2,900.00	2,770.14	2,715.25	2,711.30	15.93	11.97	-105.93	-440.10	5,244.10	5,437.94	5,410.23	27.71	196.272		
3,000.00	2,863.69	2,766.00	2,762.04	16.53	12.17	-106.11	-440.57	5,244.98	5,449.73	5,421.26	28.48	191.379		
3,100.00	2,957.23	2,801.56	2,797.59	17.13	12.31	-106.23	-440.78	5,245.92	5,462.50	5,433.32	29.18	187.215		
3,200.00	3,050.78	2,916.95	2,912.95	17.74	12.76	-106.64	-441.42	5,248.57	5,475.51	5,445.29	30.22	181.196		
3,300.00	3,144.32	3,058.28	3,054.24	18.34	13.31	-107.13	-442.52	5,251.10	5,488.25	5,456.88	31.38	174.924		
3,400.00	3,237.87	3,174.00	3,169.96	18.94	13.77	-107.53	-443.46	5,252.29	5,500.44	5,468.01	32.43	169.628		
3,500.00	3,331.41	3,273.44	3,269.39	19.55	14.17	-107.87	-444.35	5,253.14	5,512.66	5,479.25	33.41	164.996		
3,600.00	3,424.96	3,353.16	3,349.11	20.15	14.49	-108.15	-444.44	5,253.75	5,525.08	5,490.77	34.31	161.021		
3,666.72	3,487.37	3,397.00	3,392.94	20.56	14.67	-108.30	-444.20	5,254.21	5,533.69	5,498.82	34.87	158.680		
3,700.00	3,518.57	3,422.98	3,418.92	20.76	14.77	-108.48	-443.95	5,254.53	5,538.02	5,502.85	35.17	157.459		
3,800.00	3,613.09	3,529.57	3,525.47	21.34	15.22	-109.08	-441.78	5,255.91	5,550.65	5,514.46	36.18	153.401		
3,900.00	3,708.70	3,655.15	3,651.03	21.90	15.75	-109.67	-438.81	5,256.44	5,561.42	5,524.16	37.27	149.236		
4,000.00	3,805.27	3,854.96	3,850.81	22.44	16.59	-110.36	-437.61	5,255.18	5,569.77	5,531.12	38.66	144.077		
4,100.00	3,902.69	3,887.30	3,883.15	22.95	16.72	-110.57	-437.82	5,255.07	5,577.25	5,537.98	39.27	142.034		
4,200.00	4,000.84	3,933.00	3,928.85	23.43	16.91	-110.78	-438.55	5,255.41	5,584.59	5,544.68	39.91	139.936		
4,300.00	4,099.59	4,021.32	4,017.14	23.89	17.26	-111.02	-440.51	5,256.63	5,591.34	5,550.63	40.71	137.341		
4,400.00	4,198.84	4,091.85	4,087.64	24.32	17.55	-111.19	-442.01	5,257.77	5,597.10	5,555.69	41.41	135.159		
4,500.00	4,298.45	4,160.11	4,155.87	24.73	17.83	-111.33	-443.30	5,259.21	5,602.15	5,560.07	42.08	133.139		
4,600.00	4,398.30	4,401.80	4,397.53	25.11	18.83	-111.48	-445.08	5,261.14	5,604.52	5,561.00	43.53	128.765		
4,701.72	4,500.00	4,520.25	4,515.98	25.45	19.33	82.33	-445.34	5,260.44	5,604.55	5,560.18	44.37	126.320		
4,800.00	4,598.28	4,635.62	4,631.34	25.74	19.82	82.32	-445.23	5,259.49	5,603.77	5,558.62	45.16	124.100		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,751.49	4,747.20	26.04	20.31	82.32	-444.72	5,257.98	5,602.52	5,556.56	45.95	121.914		
5,000.00	4,798.28	4,825.00	4,820.71	26.34	20.62	82.31	-444.69	5,257.31	5,601.58	5,555.02	46.56	120.297		
5,100.00	4,898.28	4,900.42	4,896.13	26.65	20.94	82.31	-444.79	5,256.99	5,601.11	5,553.92	47.19	118.703		
5,200.00	4,998.28	5,010.70	5,006.40	26.96	21.41	82.32	-445.08	5,256.54	5,600.67	5,552.70	47.97	116.753		
5,300.00	5,098.28	5,119.59	5,115.29	27.27	21.87	82.32	-445.67	5,256.02	5,600.13	5,551.38	48.75	114.875		
5,400.00	5,198.28	5,246.32	5,242.01	27.59	22.40	82.33	-446.86	5,254.82	5,599.04	5,549.42	49.61	112.850		
5,500.00	5,298.28	5,352.16	5,347.83	27.91	22.85	82.35	-448.40	5,253.70	5,597.80	5,547.41	50.39	111.095		
5,600.00	5,398.28	5,420.82	5,416.49	28.23	23.14	82.35	-448.85	5,253.03	5,596.76	5,545.76	51.00	109.749		
5,700.00	5,498.28	5,588.19	5,583.83	28.56	23.85	82.35	-449.00	5,251.01	5,595.63	5,543.58	52.06	107.493		
5,800.00	5,598.28	5,657.79	5,653.41	28.89	24.15	82.37	-450.83	5,249.90	5,593.78	5,541.11	52.68	106.193		
5,900.00	5,698.28	5,717.00	5,712.60	29.22	24.39	82.38	-452.03	5,249.66	5,592.97	5,539.72	53.25	105.037		
6,000.00	5,798.28	5,805.49	5,801.07	29.56	24.76	82.39	-453.56	5,249.69	5,592.73	5,538.78	53.95	103.657		
6,100.00	5,898.28	5,895.00	5,890.57	29.90	25.14	82.41	-455.49	5,249.43	5,592.17	5,537.50	54.67	102.292		
6,148.70	5,946.97	5,928.41	5,923.97	30.06	25.28	82.42	-456.09	5,249.39	5,592.04	5,537.06	54.97	101.728		
6,200.00	5,998.28	5,952.10	5,947.66	30.24	25.38	82.42	-456.27	5,249.47	5,592.16	5,536.93	55.23	101.244		
6,300.00	6,098.28	6,112.56	6,108.11	30.58	26.06	82.42	-456.39	5,249.91	5,592.61	5,536.33	56.28	99.370		
6,400.00	6,198.28	6,203.88	6,199.42	30.92	26.44	82.44	-457.82	5,249.49	5,591.96	5,534.95	57.01	98.082		
6,473.26	6,271.54	6,253.00	6,248.54	31.18	26.65	82.44	-457.97	5,249.41	5,591.81	5,534.34	57.47	97.302		
6,500.00	6,298.28	6,253.00	6,248.54	31.27	26.65	82.44	-457.97	5,249.41	5,591.87	5,534.32	57.55	97.164		
6,600.00	6,398.28	6,295.42	6,290.96	31.62	26.83	82.44	-457.84	5,249.72	5,592.77	5,534.71	58.05	96.339		
6,700.00	6,498.28	6,342.00	6,337.53	31.97	27.02	82.44	-457.73	5,250.79	5,594.91	5,536.34	58.57	95.523		
6,794.10	6,592.38	6,342.00	6,337.53	32.31	27.02	82.44	-457.73	5,250.79	5,598.02	5,539.18	58.84	95.142		
6,800.00	6,598.28	6,342.00	6,337.53	32.33	27.02	-7.38	-457.73	5,250.79	5,598.24	5,539.38	58.86	95.119		
6,850.00	6,648.21	6,342.00	6,337.53	32.51	27.02	-7.38	-457.73	5,250.79	5,598.18	5,539.18	58.99	94.895		
6,900.00	6,697.79	6,342.00	6,337.53	32.69	27.02	-7.42	-457.73	5,250.79	5,594.67	5,535.55	59.12	94.627		
6,950.00	6,746.73	6,383.90	6,379.37	32.86	27.20	-7.51	-457.34	5,252.71	5,586.95	5,527.49	59.46	93.959		
7,000.00	6,794.71	6,393.57	6,389.03	33.03	27.24	-7.65	-457.17	5,253.32	5,576.21	5,516.58	59.63	93.521		
7,050.00	6,841.44	6,431.00	6,426.33	33.20	27.39	-7.86	-456.21	5,256.29	5,562.39	5,502.46	59.93	92.822		
7,100.00	6,886.64	6,431.00	6,426.33	33.35	27.39	-8.09	-456.21	5,256.29	5,544.65	5,484.63	60.02	92.382		
7,150.00	6,930.03	6,431.00	6,426.33	33.50	27.39	-8.39	-456.21	5,256.29	5,523.72	5,463.62	60.10	91.909		
7,200.00	6,971.33	6,431.00	6,426.33	33.64	27.39	-8.76	-456.21	5,256.29	5,499.68	5,439.51	60.17	91.405		
7,250.00	7,010.30	6,431.00	6,426.33	33.77	27.39	-9.21	-456.21	5,256.29	5,472.64	5,412.42	60.23	90.868		
7,300.00	7,046.69	6,431.00	6,426.33	33.89	27.39	-9.77	-456.21	5,256.29	5,442.73	5,382.46	60.27	90.302		
7,350.00	7,080.28	6,431.00	6,426.33	34.00	27.39	-10.45	-456.21	5,256.29	5,410.08	5,349.77	60.31	89.707		
7,400.00	7,110.86	6,467.59	6,462.70	34.11	27.54	-11.39	-455.21	5,260.07	5,374.34	5,313.80	60.54	88.768		
7,450.00	7,138.25	6,475.56	6,470.61	34.21	27.58	-12.50	-455.04	5,261.00	5,336.45	5,275.84	60.61	88.046		
7,500.00	7,162.27	6,482.84	6,477.84	34.32	27.61	-13.91	-454.90	5,261.88	5,296.30	5,235.64	60.67	87.303		
7,550.00	7,182.77	6,520.00	6,514.66	34.43	27.76	-15.92	-454.37	5,266.89	5,254.47	5,193.58	60.89	86.296		
7,600.00	7,199.64	6,520.00	6,514.66	34.57	27.76	-18.41	-454.37	5,266.89	5,210.34	5,149.44	60.90	85.562		
7,650.00	7,212.76	6,520.00	6,514.66	34.76	27.76	-21.89	-454.37	5,266.89	5,164.67	5,103.77	60.90	84.807		
7,700.00	7,222.06	6,520.00	6,514.66	35.02	27.76	-27.00	-454.37	5,266.89	5,117.71	5,056.80	60.90	84.031		
7,750.00	7,227.47	6,520.00	6,514.66	35.37	27.76	-34.96	-454.37	5,266.89	5,069.70	5,008.80	60.91	83.237		
7,793.42	7,229.00	6,520.00	6,514.66	35.74	27.76	-46.01	-454.37	5,266.89	5,027.38	4,966.47	60.91	82.533		
7,800.00	7,229.01	6,520.00	6,514.66	35.80	27.76	-46.01	-454.37	5,266.89	5,020.94	4,960.02	60.92	82.424		
7,900.00	7,229.11	6,520.00	6,514.66	36.91	27.76	-46.01	-454.37	5,266.89	4,922.99	4,862.06	60.93	80.794		
8,000.00	7,229.22	6,520.00	6,514.66	38.28	27.76	-46.01	-454.37	5,266.89	4,825.14	4,764.18	60.96	79.156		
8,100.00	7,229.33	6,520.00	6,514.66	39.83	27.76	-46.01	-454.37	5,266.89	4,727.37	4,666.37	60.99	77.510		
8,200.00	7,229.43	6,520.00	6,514.66	41.53	27.76	-46.01	-454.37	5,266.89	4,629.69	4,568.66	61.03	75.854		
8,300.00	7,229.54	6,520.00	6,514.66	43.36	27.76	-46.01	-454.37	5,266.89	4,532.12	4,471.03	61.09	74.189		
8,400.00	7,229.65	6,520.00	6,514.66	45.30	27.76	-46.01	-454.37	5,266.89	4,434.65	4,373.50	61.15	72.515		
8,500.00	7,229.75	6,520.00	6,514.66	47.33	27.76	-46.01	-454.37	5,266.89	4,337.30	4,276.07	61.23	70.831		
8,600.00	7,229.86	6,520.00	6,514.66	49.45	27.76	-46.01	-454.37	5,266.89	4,240.08	4,178.75	61.33	69.137		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	6,520.00	6,514.66	51.64	27.76	-46.01	-454.37	5,266.89	4,142.98	4,081.54	61.44	67.433		
8,800.00	7,230.07	6,520.00	6,514.66	53.89	27.76	-46.01	-454.37	5,266.89	4,046.03	3,984.46	61.57	65.717		
8,900.00	7,230.18	6,520.00	6,514.66	56.19	27.76	-46.01	-454.37	5,266.89	3,949.23	3,887.51	61.72	63.991		
9,000.00	7,230.29	6,520.00	6,514.66	58.55	27.76	-46.01	-454.37	5,266.89	3,852.59	3,790.70	61.89	62.253		
9,100.00	7,230.39	6,553.34	6,547.55	60.94	27.89	-47.40	-454.19	5,272.30	3,755.46	3,693.15	62.31	60.270		
9,200.00	7,230.50	6,557.40	6,551.55	63.38	27.91	-47.57	-454.19	5,273.04	3,659.01	3,596.44	62.56	58.483		
9,300.00	7,230.61	6,561.65	6,555.73	65.85	27.93	-47.75	-454.19	5,273.82	3,562.74	3,499.88	62.85	56.685		
9,400.00	7,230.72	6,566.10	6,560.09	68.35	27.94	-47.94	-454.20	5,274.66	3,466.65	3,403.48	63.17	54.874		
9,500.00	7,230.82	6,570.76	6,564.67	70.87	27.96	-48.14	-454.21	5,275.57	3,370.76	3,307.23	63.54	53.051		
9,600.00	7,230.93	6,575.65	6,569.46	73.42	27.98	-48.35	-454.23	5,276.54	3,275.10	3,211.15	63.95	51.217		
9,700.00	7,231.04	6,610.00	6,602.98	75.99	28.12	-49.86	-454.53	5,284.02	3,180.19	3,115.58	64.61	49.220		
9,800.00	7,231.14	6,610.00	6,602.98	78.59	28.12	-49.86	-454.53	5,284.02	3,084.84	3,019.75	65.09	47.394		
9,900.00	7,231.25	6,610.00	6,602.98	81.19	28.12	-49.86	-454.53	5,284.02	2,989.79	2,924.16	65.63	45.559		
10,000.00	7,231.36	6,610.00	6,602.98	83.82	28.12	-49.86	-454.53	5,284.02	2,895.07	2,828.85	66.23	43.715		
10,100.00	7,231.46	6,610.00	6,602.98	86.46	28.12	-49.86	-454.53	5,284.02	2,800.72	2,733.82	66.90	41.863		
10,200.00	7,231.57	6,610.00	6,602.98	89.11	28.12	-49.86	-454.53	5,284.02	2,706.78	2,639.12	67.66	40.006		
10,300.00	7,231.68	6,610.00	6,602.98	91.77	28.12	-49.86	-454.53	5,284.02	2,613.29	2,544.78	68.51	38.146		
10,400.00	7,231.78	6,610.00	6,602.98	94.45	28.12	-49.86	-454.53	5,284.02	2,520.29	2,450.83	69.46	36.285		
10,500.00	7,231.89	6,610.00	6,602.98	97.14	28.12	-49.86	-454.53	5,284.02	2,427.85	2,357.33	70.52	34.426		
10,600.00	7,232.00	6,639.14	6,631.21	99.83	28.23	-51.19	-454.74	5,291.24	2,335.43	2,263.48	71.96	32.457		
10,700.00	7,232.10	6,647.20	6,638.98	102.53	28.27	-51.56	-454.73	5,293.37	2,243.92	2,170.56	73.37	30.585		
10,800.00	7,232.21	6,655.71	6,647.17	105.25	28.30	-51.97	-454.69	5,295.68	2,153.06	2,078.12	74.94	28.729		
10,900.00	7,232.32	6,664.70	6,655.81	107.96	28.33	-52.40	-454.62	5,298.19	2,062.94	1,986.22	76.71	26.892		
11,000.00	7,232.42	6,669.00	6,688.54	110.69	28.47	-54.09	-454.04	5,308.42	1,974.09	1,895.17	78.92	25.014		
11,100.00	7,232.53	6,699.00	6,688.54	113.42	28.47	-54.09	-454.04	5,308.42	1,885.40	1,804.35	81.05	23.262		
11,200.00	7,232.64	6,699.00	6,688.54	116.16	28.47	-54.09	-454.04	5,308.42	1,797.90	1,714.46	83.44	21.547		
11,300.00	7,232.74	6,699.00	6,688.54	118.90	28.47	-54.09	-454.04	5,308.42	1,711.77	1,625.66	86.11	19.879		
11,400.00	7,232.85	6,726.45	6,714.53	121.65	28.59	-55.48	-453.39	5,317.24	1,626.79	1,537.38	89.41	18.195		
11,500.00	7,232.96	6,744.57	6,731.59	124.41	28.66	-56.43	-452.99	5,323.31	1,543.30	1,450.33	92.97	16.599		
11,600.00	7,233.06	6,763.90	6,749.72	127.16	28.75	-57.45	-452.57	5,330.00	1,461.45	1,364.48	96.97	15.071		
11,700.00	7,233.17	6,788.00	6,772.21	129.92	28.85	-58.75	-452.08	5,338.64	1,381.49	1,279.99	101.50	13.611		
11,800.00	7,233.28	6,788.00	6,772.21	132.69	28.85	-58.75	-452.08	5,338.64	1,303.90	1,197.67	106.22	12.275		
11,900.00	7,233.38	6,813.30	6,795.57	135.46	28.96	-60.14	-451.50	5,348.35	1,228.85	1,117.03	111.83	10.989		
12,000.00	7,233.49	6,829.19	6,810.04	138.23	29.03	-61.02	-451.06	5,354.90	1,157.21	1,039.33	117.88	9.817		
12,100.00	7,233.60	6,846.90	6,825.97	141.01	29.11	-62.01	-450.51	5,362.62	1,089.39	964.84	124.55	8.747		
12,200.00	7,233.71	6,877.00	6,852.55	143.79	29.25	-63.71	-449.40	5,376.69	1,026.14	894.14	131.99	7.774		
12,300.00	7,233.81	6,877.00	6,852.55	146.57	29.25	-63.71	-449.40	5,376.69	967.97	828.58	139.40	6.944		
12,400.00	7,233.92	6,915.89	6,885.79	149.35	29.44	-65.89	-447.90	5,396.82	915.47	767.55	147.92	6.189		
12,500.00	7,234.03	6,946.82	6,911.18	152.14	29.60	-67.61	-446.80	5,414.43	869.70	713.27	156.42	5.560		
12,600.00	7,234.13	6,982.44	6,939.19	154.93	29.79	-69.54	-445.61	5,436.40	831.08	666.17	164.91	5.040		
12,700.00	7,234.24	7,023.18	6,969.51	157.72	30.03	-71.69	-444.23	5,463.56	800.08	627.00	173.08	4.623		
12,800.00	7,234.35	7,068.46	7,000.88	160.52	30.32	-73.96	-442.59	5,496.15	776.85	596.26	180.59	4.302		
12,900.00	7,234.45	7,115.66	7,030.50	163.31	30.66	-76.16	-440.39	5,532.82	761.61	574.46	187.15	4.069		
13,000.00	7,234.56	7,165.81	7,068.80	166.11	31.26	-79.06	-436.42	5,591.42	753.52	560.33	193.20	3.900		
13,100.00	7,234.67	7,216.23	7,112.69	168.91	32.18	-82.40	-432.78	5,670.38	748.85	549.92	198.93	3.764		
13,198.56	7,234.77	7,359.79	7,150.26	171.67	33.19	-85.28	-429.74	5,744.95	747.23	543.32	203.91	3.665		
13,200.00	7,234.77	7,361.00	7,150.76	171.71	33.20	-85.32	-429.70	5,746.04	747.23	543.25	203.97	3.663		
13,300.00	7,234.88	7,448.57	7,183.41	174.52	34.43	-87.82	-426.30	5,827.19	748.66	540.08	208.58	3.589		
13,400.00	7,234.99	7,571.57	7,215.65	177.32	36.44	-90.28	-422.66	5,945.70	751.13	537.39	213.75	3.514		
13,500.00	7,235.09	7,715.53	7,226.52	180.13	39.18	-91.11	-428.72	6,088.91	745.97	526.97	219.00	3.406		
13,600.00	7,235.20	7,798.73	7,226.95	182.94	40.90	-91.14	-432.60	6,172.01	741.05	517.32	223.73	3.312		
13,700.00	7,235.31	7,881.68	7,225.64	185.74	42.73	-91.03	-433.94	6,254.94	739.03	510.55	228.47	3.235		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,795.34	7,235.41	7,968.41	7,224.41	188.42	44.75	-90.93	-434.22	6,341.66	738.40	505.21	233.18	3.167		
13,800.00	7,235.41	7,972.53	7,224.38	188.56	44.84	-90.93	-434.21	6,345.78	738.40	504.98	233.41	3.163		
13,900.00	7,235.52	8,066.31	7,224.52	191.37	47.13	-90.93	-433.24	6,439.56	739.09	500.59	238.51	3.099		
14,000.00	7,235.63	8,154.92	7,223.97	194.18	49.38	-90.88	-431.79	6,528.15	740.44	496.94	243.51	3.041		
14,100.00	7,235.73	8,264.48	7,225.18	197.00	52.25	-90.96	-428.39	6,637.65	743.33	494.09	249.24	2.982		
14,200.00	7,235.84	8,384.41	7,225.66	199.81	55.50	-90.99	-428.47	6,757.57	742.91	487.62	255.29	2.910		
14,300.00	7,235.95	8,490.66	7,223.85	202.63	58.46	-90.84	-430.68	6,863.78	740.45	479.43	261.03	2.837		
14,400.00	7,236.05	8,577.64	7,221.59	205.44	60.92	-90.66	-431.34	6,950.73	739.29	472.92	266.37	2.775		
14,500.00	7,236.16	8,673.58	7,219.61	208.26	63.69	-90.50	-431.87	7,046.65	738.42	466.46	271.96	2.715		
14,501.28	7,236.16	8,674.54	7,219.59	208.30	63.71	-90.50	-431.86	7,047.61	738.42	466.40	272.02	2.715		
14,600.00	7,236.27	8,754.20	7,218.50	211.08	66.03	-90.41	-430.28	7,127.23	739.98	462.94	277.04	2.671		
14,700.00	7,236.37	8,859.88	7,217.94	213.90	69.15	-90.35	-427.49	7,232.88	742.30	459.29	283.01	2.623		
14,800.00	7,236.48	8,969.41	7,217.70	216.72	72.41	-90.33	-425.91	7,342.39	743.42	454.28	289.14	2.571		
14,900.00	7,236.59	9,083.74	7,216.48	219.55	75.86	-90.22	-425.91	7,456.71	743.11	447.73	295.38	2.516		
15,000.00	7,236.69	9,185.38	7,215.51	222.37	78.96	-90.14	-427.13	7,558.34	741.58	440.30	301.29	2.461		
15,100.00	7,236.80	9,297.07	7,214.15	225.19	82.39	-90.03	-429.62	7,670.00	739.01	431.58	307.43	2.404		
15,200.00	7,236.91	9,388.60	7,212.03	228.02	85.22	-89.85	-432.19	7,761.46	735.92	422.77	313.16	2.350		
15,260.71	7,236.97	9,434.20	7,211.30	229.73	86.63	-89.79	-432.52	7,807.05	735.30	418.96	316.34	2.324		
15,300.00	7,237.02	9,465.53	7,211.11	230.84	87.61	-89.77	-432.23	7,838.38	735.53	417.13	318.41	2.310		
15,400.00	7,237.12	9,553.03	7,211.97	233.67	90.33	-89.83	-430.01	7,925.85	737.71	413.85	323.86	2.278		
15,500.00	7,237.23	9,673.70	7,215.31	236.50	94.11	-90.08	-427.54	8,046.44	739.50	408.90	330.60	2.237		
15,600.00	7,237.34	9,783.74	7,218.56	239.32	97.58	-90.33	-428.52	8,156.43	738.26	401.39	336.87	2.192		
15,700.00	7,237.44	9,881.19	7,221.60	242.15	100.66	-90.56	-429.40	8,253.82	737.05	394.25	342.80	2.150		
15,800.00	7,237.55	9,990.89	7,223.63	244.98	104.14	-90.71	-430.80	8,363.49	735.48	386.44	349.04	2.107		
15,900.00	7,237.66	10,090.11	7,223.88	247.81	107.30	-90.72	-432.68	8,462.70	733.27	378.23	355.03	2.065		
16,000.00	7,237.76	10,193.61	7,220.53	250.64	110.60	-90.45	-434.72	8,566.12	730.95	369.82	361.13	2.024		
16,100.00	7,237.87	10,295.86	7,215.35	253.47	113.87	-90.04	-437.58	8,668.19	727.79	360.61	367.18	1.982		
16,200.00	7,237.98	10,389.83	7,211.70	256.30	116.88	-89.74	-439.69	8,762.06	725.24	352.16	373.08	1.944		
16,300.00	7,238.08	10,494.18	7,210.10	259.13	120.23	-89.60	-441.66	8,866.38	723.05	343.85	379.20	1.907		
16,400.00	7,238.19	10,612.41	7,210.19	261.96	124.04	-89.60	-445.94	8,984.53	719.12	333.64	385.48	1.866		
16,500.00	7,238.30	10,701.89	7,209.95	264.79	126.93	-89.57	-449.68	9,073.92	714.62	323.18	391.44	1.826		
16,600.00	7,238.40	10,786.00	7,209.85	267.63	129.65	-89.55	-451.82	9,158.01	711.78	314.58	397.20	1.792		
16,657.06	7,238.46	10,831.47	7,209.82	269.24	131.12	-89.55	-452.10	9,203.47	711.26	310.94	400.33	1.777 CC		
16,700.00	7,238.51	10,864.71	7,210.05	270.46	132.19	-89.56	-451.76	9,236.71	711.55	308.98	402.57	1.768		
16,800.00	7,238.62	10,958.15	7,210.77	273.29	135.21	-89.61	-449.60	9,330.12	713.53	305.17	408.35	1.747		
16,900.00	7,238.72	11,055.55	7,211.77	276.13	138.36	-89.68	-446.87	9,427.48	716.01	301.70	414.31	1.728		
17,000.00	7,238.83	11,158.88	7,213.08	278.96	141.71	-89.78	-444.10	9,530.77	718.36	297.82	420.54	1.708		
17,100.00	7,238.94	11,255.79	7,212.90	281.80	144.85	-89.76	-441.56	9,627.64	720.66	294.19	426.47	1.690		
17,200.00	7,239.04	11,356.84	7,212.75	284.63	148.12	-89.74	-438.25	9,728.63	723.62	291.02	432.60	1.673		
17,300.00	7,239.15	11,467.50	7,213.44	287.47	151.72	-89.79	-436.35	9,839.27	724.98	285.83	439.15	1.651		
17,400.00	7,239.26	11,572.08	7,215.18	290.30	155.13	-89.92	-435.25	9,943.84	725.71	280.29	445.42	1.629		
17,500.00	7,239.36	11,650.85	7,216.16	293.14	157.69	-89.99	-433.86	10,022.58	727.24	276.65	450.58	1.614		
17,600.00	7,239.47	11,744.96	7,219.52	295.98	160.75	-90.24	-429.60	10,116.53	731.42	275.07	456.35	1.603		
17,700.00	7,239.58	11,858.23	7,224.59	298.81	164.44	-90.63	-425.58	10,229.61	734.70	271.56	463.13	1.586		
17,800.00	7,239.68	11,946.54	7,227.18	301.65	167.32	-90.82	-422.55	10,317.83	737.83	269.21	468.62	1.574 ES		
17,900.00	7,239.79	12,022.00	7,229.17	304.49	169.78	-90.96	-419.16	10,393.19	742.36	269.29	473.06	1.569 SF		
18,000.00	7,239.90	12,022.00	7,229.17	307.33	169.78	-90.96	-419.16	10,393.19	756.12	288.67	467.45	1.618		
18,095.23	7,240.00	12,022.00	7,229.17	310.03	169.78	-90.96	-419.16	10,393.19	780.99	325.49	455.50	1.715		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.76	-530.58	5,257.24	5,283.99					
100.00	100.00	94.27	94.27	3.28	3.29	95.77	-531.50	5,257.00	5,283.83	5,277.25	6.57	803.806		
200.00	200.00	207.52	207.49	3.34	3.36	95.80	-533.55	5,256.16	5,283.26	5,276.56	6.70	788.595		
269.62	269.61	264.58	264.54	3.40	3.43	-98.03	-534.48	5,255.80	5,283.06	5,276.23	6.83	773.551		
300.00	299.98	293.15	293.11	3.44	3.47	-98.03	-534.91	5,255.67	5,283.09	5,276.18	6.90	765.179		
400.00	399.84	389.98	389.92	3.59	3.63	-98.06	-536.35	5,255.25	5,283.54	5,276.33	7.21	732.443		
500.00	499.45	546.02	545.94	3.79	3.97	-98.17	-538.72	5,254.18	5,284.38	5,276.63	7.75	681.475		
600.00	598.70	684.41	684.19	4.03	4.35	-98.29	-544.02	5,251.04	5,284.16	5,275.79	8.38	630.826		
604.98	603.63	688.28	688.05	4.05	4.36	-98.30	-544.25	5,250.93	5,284.16	5,275.76	8.40	628.957		
700.00	697.47	742.00	741.62	4.31	4.52	-98.33	-547.97	5,249.55	5,284.63	5,275.80	8.84	598.103		
800.00	795.62	804.05	803.45	4.64	4.72	-98.37	-553.02	5,248.35	5,286.36	5,277.00	9.36	564.744		
900.00	893.06	837.00	836.29	5.00	4.84	-98.35	-555.80	5,248.00	5,289.65	5,279.81	9.83	538.026		
1,000.00	989.64	892.42	891.48	5.40	5.03	-98.35	-560.76	5,247.96	5,294.43	5,284.01	10.42	508.109		
1,100.00	1,085.27	930.00	928.88	5.83	5.16	-98.30	-564.40	5,248.37	5,300.88	5,289.90	10.98	482.655		
1,200.00	1,179.82	963.12	961.83	6.29	5.28	-98.22	-567.73	5,249.10	5,309.06	5,297.50	11.56	459.076		
1,235.00	1,212.63	973.64	972.29	6.46	5.32	-98.19	-568.79	5,249.43	5,312.36	5,300.58	11.77	451.302		
1,300.00	1,273.43	993.12	991.65	6.79	5.39	-98.24	-570.77	5,250.16	5,318.96	5,306.80	12.16	437.327		
1,400.00	1,366.98	1,025.00	1,023.33	7.30	5.51	-98.33	-574.04	5,251.69	5,330.20	5,317.42	12.79	416.866		
1,500.00	1,460.52	1,500.00	1,296.40	7.84	7.35	-99.18	-592.27	5,262.29	5,340.43	5,325.28	15.16	352.365		
1,600.00	1,554.07	1,354.88	1,352.26	8.38	6.76	-99.37	-594.71	5,263.69	5,349.56	5,334.45	15.11	354.026		
1,700.00	1,647.61	1,403.42	1,400.72	8.93	6.96	-99.53	-596.86	5,265.45	5,359.79	5,343.95	15.84	338.346		
1,800.00	1,741.16	1,495.88	1,492.94	9.49	7.33	-99.82	-602.39	5,269.09	5,370.61	5,353.84	16.76	320.371		
1,900.00	1,834.70	1,604.89	1,601.68	10.06	7.78	-100.17	-608.95	5,273.19	5,381.41	5,363.63	17.77	302.820		
2,000.00	1,928.25	1,762.74	1,759.20	10.63	8.43	-100.67	-617.55	5,278.50	5,392.14	5,373.14	19.00	283.852		
2,100.00	2,021.79	1,830.94	1,827.31	11.21	8.71	-100.89	-620.48	5,280.43	5,402.32	5,382.48	19.84	272.249		
2,200.00	2,115.33	1,911.19	1,907.43	11.79	9.05	-101.15	-624.23	5,283.01	5,413.06	5,392.31	20.75	260.894		
2,300.00	2,208.88	1,973.95	1,970.06	12.37	9.32	-101.35	-627.41	5,285.19	5,424.25	5,402.67	21.58	251.342		
2,400.00	2,302.42	2,039.00	2,034.96	12.96	9.60	-101.56	-630.88	5,288.12	5,436.45	5,414.03	22.43	242.405		
2,500.00	2,395.97	2,088.73	2,084.56	13.55	9.81	-101.71	-633.47	5,290.70	5,449.41	5,426.21	23.20	234.849		
2,600.00	2,489.51	2,191.38	2,186.94	14.14	10.25	-102.04	-638.39	5,296.13	5,462.78	5,438.56	24.22	225.526		
2,700.00	2,583.06	2,333.17	2,328.27	14.74	10.87	-102.47	-647.61	5,302.71	5,475.66	5,450.22	25.44	215.266		
2,800.00	2,676.60	2,409.22	2,404.05	15.34	11.21	-102.69	-653.06	5,306.09	5,488.51	5,462.16	26.35	208.274		
2,900.00	2,770.14	2,512.05	2,506.57	15.93	11.67	-103.00	-659.52	5,310.76	5,501.60	5,474.21	27.39	200.840		
3,000.00	2,863.69	2,730.51	2,724.49	16.53	12.64	-103.65	-672.58	5,318.44	5,514.09	5,485.11	28.98	190.285		
3,100.00	2,957.23	2,849.62	2,843.20	17.13	13.18	-103.98	-681.99	5,320.97	5,525.15	5,495.04	30.11	183.487		
3,200.00	3,050.78	2,935.42	2,928.76	17.74	13.57	-104.23	-688.15	5,322.55	5,536.08	5,505.00	31.09	178.095		
3,300.00	3,144.32	3,050.10	3,043.29	18.34	14.08	-104.58	-693.94	5,324.67	5,547.23	5,515.04	32.19	172.348		
3,400.00	3,237.87	3,203.93	3,196.99	18.94	14.74	-105.07	-699.62	5,326.31	5,557.87	5,524.41	33.45	166.130		
3,500.00	3,331.41	3,297.79	3,290.85	19.55	15.14	-105.39	-700.58	5,326.54	5,567.97	5,533.53	34.44	161.672		
3,600.00	3,424.96	3,404.27	3,397.33	20.15	15.58	-105.76	-701.24	5,326.85	5,578.34	5,542.86	35.48	157.234		
3,666.72	3,487.37	3,446.17	3,439.22	20.56	15.76	-105.90	-701.50	5,326.96	5,585.36	5,549.32	36.04	154.973		
3,700.00	3,518.57	3,466.19	3,459.24	20.76	15.84	-106.04	-701.61	5,327.08	5,588.94	5,552.62	36.32	153.898		
3,800.00	3,613.09	3,535.68	3,528.73	21.34	16.13	-106.47	-701.89	5,327.74	5,599.50	5,562.33	37.17	150.659		
3,900.00	3,708.70	3,627.21	3,620.25	21.90	16.51	-106.92	-702.27	5,328.87	5,609.51	5,571.42	38.09	147.277		
4,000.00	3,805.27	3,725.18	3,718.21	22.44	16.91	-107.34	-702.35	5,329.95	5,618.52	5,579.51	39.01	144.024		
4,100.00	3,902.69	3,818.51	3,811.54	22.95	17.29	-107.70	-702.29	5,331.07	5,626.70	5,586.81	39.89	141.062		
4,200.00	4,000.84	3,933.76	3,926.78	23.43	17.76	-108.05	-702.31	5,332.35	5,633.80	5,592.96	40.84	137.952		
4,300.00	4,099.59	4,048.35	4,041.36	23.89	18.23	-108.33	-702.45	5,333.19	5,639.48	5,597.71	41.77	135.013		
4,400.00	4,198.84	4,150.25	4,143.24	24.32	18.67	-108.52	-704.17	5,334.09	5,644.12	5,601.48	42.63	132.384		
4,500.00	4,298.45	4,284.29	4,277.28	24.73	19.24	-108.68	-704.86	5,334.29	5,646.98	5,603.36	43.62	129.469		
4,600.00	4,398.30	4,397.69	4,375.30	25.11	19.70	-108.76	-704.97	5,334.28	5,648.66	5,604.20	44.46	127.053		
4,701.72	4,500.00	4,487.35	4,480.34	25.45	20.05	85.04	-704.96	5,334.27	5,649.24	5,604.08	45.16	125.105		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,598.28	4,625.25	4,618.24	25.74	20.60	85.03	-704.73	5,333.57	5,648.72	5,602.72	46.00	122.787		
4,900.00	4,698.28	4,721.47	4,714.46	26.04	20.98	85.03	-704.54	5,332.81	5,647.95	5,601.26	46.68	120.984		
5,000.00	4,798.28	4,797.76	4,790.74	26.34	21.28	85.03	-704.35	5,332.39	5,647.43	5,600.15	47.28	119.440		
5,053.63	4,851.91	4,836.00	4,828.99	26.51	21.43	85.03	-704.23	5,332.33	5,647.36	5,599.76	47.59	118.656		
5,100.00	4,898.28	4,873.29	4,866.27	26.65	21.57	85.02	-704.06	5,332.34	5,647.40	5,599.51	47.88	117.945		
5,200.00	4,998.28	4,978.81	4,971.79	26.96	21.99	85.02	-703.29	5,332.53	5,647.65	5,599.04	48.61	116.182		
5,300.00	5,098.28	5,109.38	5,102.36	27.27	22.50	85.01	-702.64	5,332.17	5,647.40	5,597.95	49.45	114.205		
5,400.00	5,198.28	5,216.39	5,209.37	27.59	22.94	85.01	-702.61	5,331.52	5,646.80	5,596.59	50.21	112.474		
5,500.00	5,298.28	5,304.60	5,297.58	27.91	23.30	85.01	-703.04	5,331.16	5,646.34	5,595.45	50.89	110.942		
5,600.00	5,398.28	5,418.33	5,411.30	28.23	23.79	85.02	-704.14	5,330.68	5,645.84	5,594.13	51.71	109.189		
5,700.00	5,498.28	5,518.92	5,511.88	28.56	24.20	85.02	-704.03	5,329.96	5,645.14	5,592.69	52.45	107.628		
5,800.00	5,598.28	5,612.93	5,605.86	28.89	24.57	85.00	-701.53	5,329.19	5,644.55	5,591.40	53.15	106.192		
5,900.00	5,698.28	5,723.50	5,716.40	29.22	25.01	84.97	-699.35	5,328.33	5,643.95	5,590.03	53.93	104.657		
6,000.00	5,798.28	5,813.10	5,806.00	29.56	25.37	84.97	-698.57	5,327.69	5,643.31	5,588.69	54.62	103.315		
6,100.00	5,898.28	5,939.42	5,932.31	29.90	25.89	84.97	-698.78	5,326.66	5,642.48	5,586.99	55.49	101.683		
6,200.00	5,998.28	6,036.88	6,029.76	30.24	26.30	84.97	-699.48	5,325.72	5,641.45	5,585.21	56.24	100.302		
6,300.00	6,098.28	6,156.61	6,149.47	30.58	26.81	84.99	-700.98	5,324.62	5,640.45	5,583.34	57.10	98.774		
6,400.00	6,198.28	6,209.91	6,202.77	30.92	27.04	84.99	-701.71	5,324.11	5,639.46	5,581.80	57.67	97.790		
6,448.24	6,246.52	6,230.66	6,223.52	31.09	27.12	85.00	-701.84	5,324.08	5,639.35	5,581.43	57.92	97.367		
6,500.00	6,298.28	6,260.00	6,252.86	31.27	27.25	85.00	-701.88	5,324.18	5,639.49	5,581.28	58.22	96.871		
6,600.00	6,398.28	6,349.00	6,341.86	31.62	27.62	85.00	-701.90	5,324.27	5,639.63	5,580.70	58.94	95.689		
6,700.00	6,498.28	6,405.52	6,398.38	31.97	27.86	85.00	-701.90	5,324.52	5,640.31	5,580.80	59.51	94.777		
6,794.10	6,592.38	6,438.00	6,430.85	32.31	27.99	85.00	-701.79	5,325.13	5,642.10	5,582.15	59.95	94.109		
6,800.00	6,598.28	6,438.00	6,430.85	32.33	27.99	-4.82	-701.79	5,325.13	5,642.22	5,582.25	59.97	94.082		
6,850.00	6,648.21	6,438.00	6,430.85	32.51	27.99	-4.83	-701.79	5,325.13	5,641.30	5,581.18	60.12	93.829		
6,900.00	6,697.79	6,438.00	6,430.85	32.69	27.99	-4.86	-701.79	5,325.13	5,636.92	5,576.65	60.27	93.532		
6,950.00	6,746.73	6,438.00	6,430.85	32.86	27.99	-4.92	-701.79	5,325.13	5,629.10	5,568.69	60.40	93.194		
7,000.00	6,794.71	6,473.69	6,466.52	33.03	28.14	-5.02	-701.55	5,326.51	5,617.21	5,556.50	60.71	92.532		
7,050.00	6,841.44	6,482.02	6,474.83	33.20	28.18	-5.15	-701.47	5,326.99	5,602.27	5,541.41	60.86	92.047		
7,100.00	6,886.64	6,490.16	6,482.95	33.35	28.21	-5.32	-701.38	5,327.51	5,583.97	5,522.96	61.01	91.528		
7,150.00	6,930.03	6,527.00	6,519.66	33.50	28.36	-5.54	-700.90	5,330.56	5,562.83	5,501.54	61.29	90.760		
7,200.00	6,971.33	6,527.00	6,519.66	33.64	28.36	-5.80	-700.90	5,330.56	5,537.89	5,476.51	61.37	90.232		
7,250.00	7,010.30	6,527.00	6,519.66	33.77	28.36	-6.11	-700.90	5,330.56	5,509.96	5,448.51	61.45	89.673		
7,300.00	7,046.69	6,527.00	6,519.66	33.89	28.36	-6.50	-700.90	5,330.56	5,479.17	5,417.67	61.50	89.086		
7,350.00	7,080.28	6,527.00	6,519.66	34.00	28.36	-6.98	-700.90	5,330.56	5,445.66	5,384.11	61.55	88.472		
7,400.00	7,110.86	6,527.00	6,519.66	34.11	28.36	-7.57	-700.90	5,330.56	5,409.60	5,348.01	61.59	87.832		
7,450.00	7,138.25	6,527.00	6,519.66	34.21	28.36	-8.32	-700.90	5,330.56	5,371.14	5,309.52	61.62	87.167		
7,500.00	7,162.27	6,527.00	6,519.66	34.32	28.36	-9.28	-700.90	5,330.56	5,330.49	5,268.85	61.64	86.479		
7,550.00	7,182.77	6,527.00	6,519.66	34.43	28.36	-10.55	-700.90	5,330.56	5,287.84	5,226.19	61.65	85.768		
7,600.00	7,199.64	6,527.00	6,519.66	34.57	28.36	-12.28	-700.90	5,330.56	5,243.41	5,181.75	61.66	85.037		
7,650.00	7,212.76	6,527.00	6,519.66	34.76	28.36	-14.74	-700.90	5,330.56	5,197.44	5,135.78	61.66	84.287		
7,700.00	7,222.06	6,527.00	6,519.66	35.02	28.36	-18.48	-700.90	5,330.56	5,150.17	5,088.50	61.66	83.519		
7,750.00	7,227.47	6,527.00	6,519.66	35.37	28.36	-24.72	-700.90	5,330.56	5,101.85	5,040.19	61.66	82.735		
7,793.42	7,229.00	6,527.00	6,519.66	35.74	28.36	-34.47	-700.90	5,330.56	5,059.26	4,997.59	61.67	82.043		
7,800.00	7,229.01	6,527.00	6,519.66	35.80	28.36	-34.47	-700.90	5,330.56	5,052.77	4,991.11	61.67	81.936		
7,900.00	7,229.11	6,527.00	6,519.66	36.91	28.36	-34.47	-700.90	5,330.56	4,954.19	4,892.52	61.67	80.336		
8,000.00	7,229.22	6,527.00	6,519.66	38.28	28.36	-34.47	-700.90	5,330.56	4,855.66	4,793.99	61.67	78.733		
8,100.00	7,229.33	6,563.16	6,555.56	39.83	28.52	-35.94	-700.28	5,334.79	4,756.38	4,694.48	61.90	76.846		
8,200.00	7,229.43	6,565.48	6,557.86	41.53	28.53	-36.04	-700.23	5,335.11	4,657.86	4,595.94	61.92	75.219		
8,300.00	7,229.54	6,567.89	6,560.25	43.36	28.54	-36.15	-700.18	5,335.44	4,559.41	4,497.45	61.96	73.587		
8,400.00	7,229.65	6,570.38	6,562.72	45.30	28.55	-36.25	-700.14	5,335.79	4,461.02	4,399.02	62.00	71.951		
8,500.00	7,229.75	6,572.97	6,565.27	47.33	28.56	-36.36	-700.08	5,336.17	4,362.69	4,300.64	62.05	70.311		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,229.86	6,575.65	6,567.93	49.45	28.57	-36.48	-700.03	5,336.56	4,264.43	4,202.33	62.10	68.665		
8,700.00	7,229.97	6,578.44	6,570.69	51.64	28.58	-36.60	-699.97	5,336.98	4,166.24	4,104.07	62.17	67.015		
8,800.00	7,230.07	6,581.34	6,573.55	53.89	28.59	-36.73	-699.91	5,337.42	4,068.13	4,005.89	62.24	65.359		
8,900.00	7,230.18	6,617.00	6,608.66	56.19	28.74	-38.34	-699.11	5,343.58	3,970.80	3,908.27	62.54	63.497		
9,000.00	7,230.29	6,617.00	6,608.66	58.55	28.74	-38.34	-699.11	5,343.58	3,872.74	3,810.13	62.61	61.852		
9,100.00	7,230.39	6,617.00	6,608.66	60.94	28.74	-38.34	-699.11	5,343.58	3,774.78	3,712.08	62.70	60.202		
9,200.00	7,230.50	6,617.00	6,608.66	63.38	28.74	-38.34	-699.11	5,343.58	3,676.93	3,614.13	62.80	58.546		
9,300.00	7,230.61	6,617.00	6,608.66	65.85	28.74	-38.34	-699.11	5,343.58	3,579.20	3,516.28	62.92	56.885		
9,400.00	7,230.72	6,617.00	6,608.66	68.35	28.74	-38.34	-699.11	5,343.58	3,481.60	3,418.54	63.05	55.217		
9,500.00	7,230.82	6,617.00	6,608.66	70.87	28.74	-38.34	-699.11	5,343.58	3,384.13	3,320.93	63.20	53.544		
9,600.00	7,230.93	6,617.00	6,608.66	73.42	28.74	-38.34	-699.11	5,343.58	3,286.82	3,223.45	63.37	51.865		
9,700.00	7,231.04	6,617.00	6,608.66	75.99	28.74	-38.34	-699.11	5,343.58	3,189.68	3,126.11	63.57	50.179		
9,800.00	7,231.14	6,617.00	6,608.66	78.59	28.74	-38.34	-699.11	5,343.58	3,092.72	3,028.93	63.78	48.487		
9,900.00	7,231.25	6,617.00	6,608.66	81.19	28.74	-38.34	-699.11	5,343.58	2,995.96	2,931.92	64.03	46.788		
10,000.00	7,231.36	6,617.00	6,608.66	83.82	28.74	-38.34	-699.11	5,343.58	2,899.42	2,835.10	64.31	45.083		
10,100.00	7,231.46	6,617.00	6,608.66	86.46	28.74	-38.34	-699.11	5,343.58	2,803.12	2,738.48	64.63	43.371		
10,200.00	7,231.57	6,617.00	6,608.66	89.11	28.74	-38.34	-699.11	5,343.58	2,707.08	2,642.09	64.99	41.653		
10,300.00	7,231.68	6,617.00	6,608.66	91.77	28.74	-38.34	-699.11	5,343.58	2,611.35	2,545.95	65.40	39.928		
10,400.00	7,231.78	6,648.84	6,639.79	94.45	28.88	-39.87	-698.36	5,350.22	2,515.19	2,449.07	66.13	38.036		
10,500.00	7,231.89	6,655.06	6,645.84	97.14	28.90	-40.18	-698.22	5,351.65	2,419.83	2,353.12	66.71	36.273		
10,600.00	7,232.00	6,661.66	6,652.25	99.83	28.93	-40.51	-698.07	5,353.21	2,324.79	2,257.41	67.38	34.504		
10,700.00	7,232.10	6,668.68	6,659.06	102.53	28.96	-40.86	-697.91	5,354.92	2,230.11	2,161.98	68.13	32.732		
10,800.00	7,232.21	6,676.16	6,666.30	105.25	28.99	-41.25	-697.74	5,356.81	2,135.83	2,066.84	68.99	30.957		
10,900.00	7,232.32	6,706.00	6,695.00	107.96	29.12	-42.82	-697.09	5,364.93	2,042.37	1,972.21	70.17	29.108		
11,000.00	7,232.42	6,706.00	6,695.00	110.69	29.12	-42.82	-697.09	5,364.93	1,948.81	1,877.59	71.22	27.365		
11,100.00	7,232.53	6,706.00	6,695.00	113.42	29.12	-42.82	-697.09	5,364.93	1,855.91	1,783.50	72.42	25.628		
11,200.00	7,232.64	6,706.00	6,695.00	116.16	29.12	-42.82	-697.09	5,364.93	1,763.79	1,690.00	73.79	23.902		
11,300.00	7,232.74	6,706.00	6,695.00	118.90	29.12	-42.82	-697.09	5,364.93	1,672.58	1,597.21	75.37	22.192		
11,400.00	7,232.85	6,736.44	6,724.01	121.65	29.25	-44.51	-696.45	5,374.13	1,581.72	1,504.21	77.51	20.407		
11,500.00	7,232.96	6,749.92	6,736.77	124.41	29.31	-45.29	-696.17	5,378.47	1,492.02	1,412.25	79.77	18.705		
11,600.00	7,233.06	6,764.48	6,750.49	127.16	29.37	-46.15	-695.87	5,383.35	1,403.38	1,321.00	82.38	17.036		
11,700.00	7,233.17	6,795.00	6,779.00	129.92	29.50	-48.01	-695.25	5,394.20	1,316.16	1,230.58	85.58	15.380		
11,800.00	7,233.28	6,795.00	6,779.00	132.69	29.50	-48.01	-695.25	5,394.20	1,230.02	1,141.13	88.89	13.838		
11,900.00	7,233.38	6,795.00	6,779.00	135.46	29.50	-48.01	-695.25	5,394.20	1,146.14	1,053.43	92.71	12.363		
12,000.00	7,233.49	6,829.11	6,810.35	138.23	29.65	-50.17	-694.71	5,407.61	1,063.78	966.13	97.65	10.894		
12,100.00	7,233.60	6,848.25	6,827.64	141.01	29.74	-51.41	-694.52	5,415.83	984.29	881.18	103.11	9.546		
12,200.00	7,233.71	6,883.00	6,858.37	143.79	29.90	-53.72	-694.40	5,432.04	908.06	798.44	109.62	8.283		
12,300.00	7,233.81	6,898.17	6,871.55	146.57	29.97	-54.75	-694.47	5,439.57	835.07	718.25	116.82	7.148		
12,400.00	7,233.92	6,934.76	6,902.81	149.35	30.16	-57.27	-695.12	5,458.57	766.22	640.88	125.33	6.114		
12,500.00	7,234.03	6,972.00	6,933.83	152.14	30.35	-59.89	-696.46	5,479.11	701.91	567.02	134.89	5.204		
12,600.00	7,234.13	7,009.88	6,964.52	154.93	30.57	-62.64	-697.94	5,501.27	643.41	497.90	145.51	4.422		
12,700.00	7,234.24	7,048.60	6,994.90	157.72	30.80	-65.54	-698.94	5,525.25	592.35	435.37	156.99	3.773		
12,800.00	7,234.35	7,087.97	7,024.58	160.52	31.06	-68.54	-699.37	5,551.09	550.21	381.46	168.76	3.260		
12,900.00	7,234.45	7,131.08	7,055.15	163.31	31.37	-71.81	-698.94	5,581.46	518.71	338.79	179.92	2.883		
13,000.00	7,234.56	7,190.55	7,093.41	166.11	31.85	-76.09	-697.46	5,626.93	498.18	308.35	189.83	2.624		
13,100.00	7,234.67	7,269.09	7,135.17	168.91	32.61	-80.89	-697.28	5,693.36	485.61	287.79	197.83	2.455		
13,200.00	7,234.77	7,359.80	7,172.67	171.71	33.65	-85.30	-698.48	5,775.89	478.32	274.25	204.07	2.344		
13,300.00	7,234.88	7,463.92	7,206.98	174.52	35.11	-89.40	-702.38	5,874.07	472.43	263.12	209.31	2.257		
13,400.00	7,234.99	7,557.87	7,226.54	177.32	36.65	-91.78	-706.63	5,965.74	467.69	253.80	213.89	2.187		
13,500.00	7,235.09	7,657.52	7,230.40	180.13	38.47	-92.26	-710.11	6,065.19	464.01	245.51	218.49	2.124		
13,600.00	7,235.20	7,756.01	7,228.07	182.94	40.42	-91.97	-712.89	6,163.62	460.76	237.48	223.28	2.064		
13,700.00	7,235.31	7,844.13	7,226.84	185.74	42.31	-91.82	-714.33	6,251.71	458.73	230.70	228.03	2.012		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,235.41	7,950.02	7,225.93	188.56	44.73	-91.69	-714.99	6,357.59	457.79	224.54	233.26	1.963		
13,897.89	7,235.52	8,037.59	7,224.65	191.31	46.84	-91.53	-716.81	6,445.13	455.54	217.43	238.11	1.913 CC		
13,900.00	7,235.52	8,038.84	7,224.64	191.37	46.87	-91.52	-716.81	6,446.38	455.54	217.35	238.19	1.913		
14,000.00	7,235.63	8,114.59	7,226.02	194.18	48.74	-91.68	-713.64	6,522.04	459.18	216.78	242.40	1.894		
14,100.00	7,235.73	8,234.71	7,228.46	197.00	51.84	-91.95	-709.63	6,642.04	462.22	213.47	248.75	1.858		
14,200.00	7,235.84	8,334.40	7,229.75	199.81	54.50	-92.09	-707.87	6,741.71	463.71	209.49	254.22	1.824		
14,300.00	7,235.95	8,438.24	7,230.33	202.63	57.35	-92.15	-706.89	6,845.54	464.34	204.43	259.92	1.787		
14,400.00	7,236.05	8,541.32	7,231.42	205.44	60.24	-92.27	-706.53	6,948.62	464.41	198.78	265.63	1.748		
14,500.00	7,236.16	8,642.84	7,232.49	208.26	63.14	-92.39	-706.75	7,050.13	463.91	192.57	271.34	1.710		
14,600.00	7,236.27	8,748.89	7,232.64	211.08	66.22	-92.40	-708.00	7,156.17	462.39	185.16	277.24	1.668		
14,700.00	7,236.37	8,842.36	7,231.87	213.90	68.97	-92.30	-708.69	7,249.64	461.30	178.48	282.81	1.631		
14,800.00	7,236.48	8,940.18	7,230.78	216.72	71.88	-92.15	-708.77	7,347.45	460.84	172.30	288.54	1.597		
14,803.41	7,236.49	8,943.35	7,230.77	216.82	71.98	-92.15	-708.76	7,350.61	460.84	172.11	288.73	1.596		
14,900.00	7,236.59	9,036.85	7,231.38	219.55	74.78	-92.21	-707.91	7,444.11	461.42	167.19	294.23	1.568		
15,000.00	7,236.69	9,136.89	7,231.65	222.37	77.81	-92.23	-707.15	7,544.15	461.87	161.79	300.08	1.539		
15,100.00	7,236.80	9,229.59	7,231.23	225.19	80.63	-92.16	-705.64	7,636.83	463.17	157.56	305.61	1.516		
15,200.00	7,236.91	9,347.34	7,230.14	228.02	84.24	-92.00	-703.53	7,754.55	464.80	152.58	312.22	1.489 Level 3		
15,300.00	7,237.02	9,444.90	7,228.93	230.84	87.26	-91.84	-704.84	7,852.09	463.10	145.03	318.08	1.456 Level 3		
15,400.00	7,237.12	9,543.21	7,228.14	233.67	90.32	-91.74	-705.32	7,950.39	462.26	138.29	323.97	1.427 Level 3		
15,500.00	7,237.23	9,642.44	7,226.72	236.50	93.43	-91.55	-705.63	8,049.62	461.58	131.67	329.90	1.399 Level 3		
15,555.09	7,237.29	9,695.13	7,225.94	238.05	95.08	-91.45	-705.58	8,102.29	461.43	128.33	333.11	1.385 Level 3		
15,600.00	7,237.34	9,740.40	7,225.27	239.32	96.50	-91.36	-705.39	8,147.56	461.47	125.66	335.80	1.374 Level 3		
15,700.00	7,237.44	9,842.20	7,223.16	242.15	99.71	-91.08	-705.48	8,249.34	461.00	119.14	341.86	1.349 Level 3		
15,790.59	7,237.54	9,930.68	7,221.39	244.71	102.50	-90.85	-705.35	8,337.80	460.81	113.60	347.21	1.327 Level 3		
15,800.00	7,237.55	9,939.92	7,221.25	244.98	102.80	-90.83	-705.32	8,347.04	460.81	113.04	347.77	1.325 Level 3		
15,900.00	7,237.66	10,033.92	7,220.47	247.81	105.77	-90.72	-704.55	8,441.03	461.31	107.81	353.50	1.305 Level 3		
16,000.00	7,237.76	10,134.18	7,220.68	250.64	108.96	-90.73	-702.50	8,541.27	463.03	103.51	359.52	1.288 Level 3		
16,100.00	7,237.87	10,237.19	7,221.49	253.47	112.24	-90.82	-701.29	8,644.27	463.89	98.22	365.68	1.269 Level 3		
16,200.00	7,237.98	10,343.45	7,222.34	256.30	115.64	-90.91	-700.95	8,750.53	463.91	91.96	371.95	1.247 Level 2		
16,300.00	7,238.08	10,443.34	7,223.29	259.13	118.84	-91.01	-701.28	8,850.41	463.27	85.29	377.98	1.226 Level 2		
16,400.00	7,238.19	10,546.03	7,224.38	261.96	122.14	-91.14	-701.92	8,953.10	462.35	78.25	384.10	1.204 Level 2		
16,500.00	7,238.30	10,646.93	7,224.81	264.79	125.40	-91.18	-703.23	9,053.98	460.74	70.56	390.18	1.181 Level 2		
16,600.00	7,238.40	10,741.08	7,224.51	267.63	128.43	-91.13	-703.79	9,148.12	459.81	63.77	396.05	1.161 Level 2		
16,612.26	7,238.42	10,752.42	7,224.43	267.97	128.80	-91.12	-703.76	9,159.47	459.80	63.05	396.75	1.159 Level 2		
16,700.00	7,238.51	10,837.64	7,223.60	270.46	131.55	-91.01	-703.09	9,244.69	460.19	58.22	401.97	1.145 Level 2		
16,800.00	7,238.62	10,938.76	7,222.45	273.29	134.81	-90.85	-702.27	9,345.79	460.66	52.57	408.09	1.129 Level 2		
16,900.00	7,238.72	11,037.84	7,222.18	276.13	138.02	-90.80	-701.61	9,444.86	461.00	46.89	414.12	1.113 Level 2		
17,000.00	7,238.83	11,148.86	7,222.24	278.96	141.62	-90.80	-701.81	9,555.88	460.52	39.95	420.57	1.095 Level 2		
17,066.73	7,238.90	11,206.92	7,222.82	280.85	143.51	-90.86	-702.05	9,613.94	460.02	35.67	424.35	1.084 Level 2		
17,100.00	7,238.94	11,237.28	7,223.19	281.80	144.49	-90.90	-701.85	9,644.29	460.14	33.89	426.25	1.080 Level 2		
17,200.00	7,239.04	11,335.17	7,224.77	284.63	147.67	-91.08	-700.66	9,742.17	461.06	28.84	432.22	1.067 Level 2		
17,300.00	7,239.15	11,438.15	7,224.82	287.47	151.02	-91.08	-699.39	9,845.14	461.97	23.52	438.45	1.054 Level 2		
17,400.00	7,239.26	11,542.51	7,223.65	290.30	154.42	-90.92	-699.27	9,949.49	461.73	17.01	444.72	1.038 Level 2		
17,500.00	7,239.36	11,640.56	7,222.46	293.14	157.61	-90.76	-699.31	10,047.53	461.36	10.61	450.75	1.024 Level 2		
17,509.41	7,239.37	11,649.64	7,222.35	293.41	157.91	-90.74	-699.28	10,056.61	461.35	10.05	451.31	1.022 Level 2		
17,600.00	7,239.47	11,738.13	7,221.38	295.98	160.80	-90.61	-698.75	10,145.09	461.59	4.85	456.74	1.011 Level 2		
17,700.00	7,239.58	11,835.72	7,220.53	298.81	163.98	-90.49	-697.75	10,242.68	462.29	-0.44	462.73	0.999 Level 1		
17,800.00	7,239.68	11,933.63	7,218.66	301.65	167.17	-90.25	-696.20	10,340.55	463.54	-5.18	468.72	0.989 Level 1, ES, SF		
17,900.00	7,239.79	11,966.00	7,217.82	304.49	168.23	-90.14	-695.63	10,372.91	469.87	3.50	466.36	1.008 Level 2		
18,000.00	7,239.90	11,966.00	7,217.82	307.33	168.23	-90.14	-695.63	10,372.91	495.61	50.89	444.72	1.114 Level 2		
18,095.23	7,240.00	11,966.00	7,217.82	310.03	168.23	-90.14	-695.63	10,372.91	536.56	123.07	413.49	1.298 Level 3		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.40	-500.34	5,292.03	5,315.68					
100.00	100.00	87.21	87.21	3.28	3.29	95.40	-500.32	5,291.95	5,315.55	5,308.98	6.57	809.029		
200.00	200.00	186.71	186.71	3.34	3.34	95.40	-500.12	5,291.79	5,315.38	5,308.70	6.68	795.789		
237.64	237.64	224.88	224.88	3.37	3.38	-98.43	-499.95	5,291.73	5,315.34	5,308.60	6.75	787.693		
300.00	299.98	286.61	286.61	3.44	3.45	-98.45	-499.57	5,291.65	5,315.44	5,308.55	6.89	771.262		
400.00	399.84	389.26	389.26	3.59	3.62	-98.50	-499.26	5,291.53	5,316.08	5,308.87	7.21	737.761		
500.00	499.45	506.68	506.68	3.79	3.86	-98.59	-499.47	5,290.92	5,316.86	5,309.21	7.64	695.619		
600.00	598.70	588.01	588.00	4.03	4.05	-98.66	-499.68	5,290.52	5,318.24	5,310.16	8.08	658.244		
700.00	697.47	648.00	647.99	4.31	4.21	-98.72	-499.21	5,290.57	5,320.69	5,312.17	8.52	624.521		
800.00	795.62	717.73	717.70	4.64	4.40	-98.80	-497.82	5,291.13	5,324.34	5,315.31	9.04	589.210		
900.00	893.06	809.21	809.11	5.00	4.67	-98.96	-494.46	5,292.52	5,329.13	5,319.47	9.67	551.192		
1,000.00	989.64	896.73	896.45	5.40	4.95	-99.15	-489.01	5,293.94	5,334.56	5,324.22	10.34	515.755		
1,100.00	1,085.27	975.68	975.05	5.83	5.22	-99.34	-481.76	5,295.60	5,341.01	5,329.97	11.04	483.761		
1,200.00	1,179.82	1,057.69	1,056.50	6.29	5.51	-99.57	-472.50	5,297.62	5,348.53	5,336.74	11.80	453.370		
1,235.00	1,212.63	1,088.31	1,086.87	6.46	5.63	-99.67	-468.66	5,298.41	5,351.40	5,339.32	12.08	442.998		
1,300.00	1,273.43	1,143.09	1,141.15	6.79	5.84	-99.94	-461.41	5,299.85	5,356.94	5,344.33	12.61	424.827		
1,400.00	1,366.98	1,306.72	1,303.36	7.30	6.49	-100.76	-440.25	5,303.53	5,365.69	5,351.92	13.78	389.456		
1,500.00	1,460.52	1,490.72	1,485.86	7.84	7.27	-101.67	-416.99	5,304.79	5,373.58	5,358.50	15.08	356.299		
1,600.00	1,554.07	1,579.98	1,574.59	8.38	7.65	-102.10	-407.21	5,304.26	5,380.43	5,364.43	16.00	336.288		
1,700.00	1,647.61	1,638.31	1,632.49	8.93	7.91	-102.38	-400.20	5,304.09	5,387.91	5,371.11	16.80	320.702		
1,800.00	1,741.16	1,670.00	1,663.89	9.49	8.05	-102.54	-395.90	5,304.14	5,396.38	5,378.89	17.49	308.563		
1,900.00	1,834.70	1,728.27	1,721.59	10.06	8.31	-102.83	-387.76	5,304.70	5,405.85	5,387.54	18.31	295.290		
2,000.00	1,928.25	1,762.00	1,754.99	10.63	8.47	-103.00	-383.11	5,305.37	5,416.58	5,397.56	19.01	284.868		
2,100.00	2,021.79	1,813.81	1,806.24	11.21	8.71	-103.26	-375.69	5,306.81	5,428.41	5,408.60	19.81	273.992		
2,200.00	2,115.33	2,200.00	1,914.58	11.79	10.57	-103.83	-358.52	5,310.19	5,440.92	5,418.69	22.23	244.706		
2,300.00	2,208.88	2,007.27	1,997.27	12.37	9.63	-104.26	-345.62	5,312.20	5,453.26	5,431.39	21.87	249.393		
2,400.00	2,302.42	2,038.00	2,027.66	12.96	9.78	-104.41	-341.14	5,313.18	5,466.77	5,444.20	22.57	242.225		
2,500.00	2,395.97	2,099.94	2,088.92	13.55	10.08	-104.72	-332.33	5,315.63	5,481.27	5,457.84	23.43	233.991		
2,600.00	2,489.51	2,600.00	2,207.76	14.14	12.50	-105.31	-315.93	5,320.49	5,496.13	5,469.73	26.40	208.199		
2,700.00	2,583.06	2,276.21	2,263.43	14.74	10.93	-105.58	-308.53	5,322.55	5,511.18	5,485.78	25.40	216.966		
2,800.00	2,676.60	2,800.00	2,343.54	15.34	13.49	-105.98	-297.67	5,326.42	5,527.43	5,498.93	28.50	193.972		
2,900.00	2,770.14	2,439.56	2,425.09	15.93	11.72	-106.38	-286.34	5,329.99	5,543.72	5,516.40	27.32	202.924		
3,000.00	2,863.69	2,469.17	2,454.36	16.53	11.87	-106.52	-282.07	5,331.50	5,561.08	5,533.07	28.01	198.555		
3,100.00	2,957.23	3,100.00	2,531.57	17.13	15.06	-106.90	-270.59	5,336.08	5,579.50	5,547.82	31.68	176.110		
3,200.00	3,050.78	2,731.38	2,713.50	17.74	13.18	-107.79	-244.40	5,344.73	5,597.08	5,566.62	30.46	183.739		
3,300.00	3,144.32	2,920.34	2,900.91	18.34	14.10	-108.66	-221.37	5,351.23	5,613.96	5,581.99	31.97	175.603		
3,400.00	3,237.87	3,216.84	3,196.96	18.94	15.33	-109.79	-209.31	5,355.41	5,627.88	5,594.04	33.84	166.314		
3,500.00	3,331.41	3,379.21	3,359.31	19.55	15.91	-110.32	-212.30	5,355.16	5,640.27	5,605.25	35.02	161.080		
3,600.00	3,424.96	3,479.40	3,459.48	20.15	16.28	-110.65	-213.51	5,354.31	5,652.32	5,616.36	35.97	157.153		
3,666.72	3,487.37	3,596.94	3,577.01	20.56	16.73	-111.05	-213.39	5,352.59	5,660.24	5,623.43	36.81	153.752		
3,700.00	3,518.57	3,585.00	3,565.07	20.76	16.69	-111.08	-213.41	5,352.83	5,664.12	5,627.17	36.95	153.281		
3,800.00	3,613.09	3,642.07	3,622.14	21.34	16.91	-111.47	-213.26	5,352.10	5,675.42	5,637.69	37.73	150.417		
3,900.00	3,708.70	3,705.35	3,685.41	21.90	17.16	-111.85	-212.96	5,352.02	5,686.52	5,648.00	38.51	147.651		
4,000.00	3,805.27	3,868.84	3,848.90	22.44	17.81	-112.44	-212.35	5,350.94	5,695.97	5,656.27	39.70	143.486		
4,100.00	3,902.69	3,959.56	3,939.61	22.95	18.17	-112.77	-212.09	5,349.87	5,703.70	5,663.15	40.55	140.662		
4,200.00	4,000.84	4,052.38	4,032.43	23.43	18.54	-113.06	-211.81	5,348.90	5,710.27	5,668.88	41.39	137.968		
4,300.00	4,099.59	4,145.04	4,125.08	23.89	18.90	-113.29	-212.08	5,348.04	5,715.56	5,673.36	42.20	135.444		
4,400.00	4,198.84	4,220.70	4,200.74	24.32	19.19	-113.45	-212.61	5,347.65	5,719.80	5,676.89	42.91	133.294		
4,500.00	4,298.45	4,299.00	4,279.04	24.73	19.50	-113.57	-212.96	5,347.49	5,723.05	5,679.44	43.61	131.228		
4,600.00	4,398.30	4,380.01	4,360.05	25.11	19.81	-113.65	-213.07	5,347.58	5,725.27	5,680.96	44.30	129.225		
4,701.72	4,500.00	4,481.39	4,461.43	25.45	20.21	80.14	-213.22	5,347.90	5,726.28	5,681.24	45.04	127.127		
4,800.00	4,598.28	4,567.00	4,547.04	25.74	20.55	80.14	-213.30	5,348.18	5,726.59	5,680.92	45.67	125.380		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,618.76	4,598.79	26.04	20.76	80.14	-213.11	5,348.59	5,727.47	5,681.30	46.17	124.054		
5,000.00	4,798.28	4,674.66	4,654.69	26.34	20.99	80.13	-212.46	5,349.51	5,729.25	5,682.56	46.69	122.720		
5,100.00	4,898.28	4,784.47	4,764.44	26.65	21.45	80.11	-209.97	5,351.50	5,731.43	5,683.97	47.46	120.759		
5,200.00	4,998.28	4,895.41	4,875.34	26.96	21.92	80.09	-207.09	5,352.86	5,733.06	5,684.82	48.25	118.828		
5,300.00	5,098.28	5,138.18	5,118.04	27.27	22.87	80.13	-211.61	5,354.24	5,732.94	5,683.37	49.57	115.645		
5,400.00	5,198.28	5,254.05	5,233.89	27.59	23.33	80.16	-213.87	5,353.58	5,732.04	5,681.69	50.35	113.833		
5,500.00	5,298.28	5,380.21	5,360.02	27.91	23.82	80.18	-216.21	5,352.41	5,730.82	5,679.63	51.19	111.963		
5,600.00	5,398.28	5,471.20	5,451.00	28.23	24.19	80.19	-217.31	5,351.33	5,729.44	5,677.57	51.88	110.444		
5,700.00	5,498.28	5,548.00	5,527.79	28.56	24.50	80.19	-218.18	5,350.51	5,728.22	5,675.71	52.51	109.086		
5,800.00	5,598.28	5,608.90	5,588.67	28.89	24.74	80.20	-219.23	5,350.25	5,727.56	5,674.49	53.08	107.909		
5,821.09	5,619.37	5,620.02	5,599.80	28.96	24.78	80.21	-219.49	5,350.28	5,727.53	5,674.34	53.19	107.680		
5,900.00	5,698.28	5,684.58	5,664.33	29.22	25.04	80.22	-221.24	5,350.69	5,727.65	5,673.94	53.71	106.643		
6,000.00	5,798.28	5,839.71	5,819.39	29.56	25.65	80.27	-225.87	5,351.20	5,727.53	5,672.85	54.68	104.741		
6,100.00	5,898.28	6,007.58	5,987.20	29.90	26.33	80.31	-229.80	5,349.56	5,726.17	5,670.46	55.71	102.777		
6,200.00	5,998.28	6,099.22	6,078.81	30.24	26.70	80.32	-231.23	5,348.01	5,724.25	5,667.81	56.43	101.435		
6,300.00	6,098.28	6,156.36	6,135.94	30.58	26.93	80.32	-231.83	5,347.28	5,722.81	5,665.81	57.01	100.390		
6,400.00	6,198.28	6,262.00	6,241.57	30.92	27.37	80.33	-232.73	5,346.01	5,721.47	5,663.68	57.79	99.004		
6,500.00	6,298.28	6,321.90	6,301.47	31.27	27.61	80.34	-233.47	5,345.40	5,720.42	5,662.05	58.38	97.989		
6,555.27	6,353.55	6,351.00	6,330.56	31.47	27.73	80.34	-233.72	5,345.42	5,720.34	5,661.65	58.68	97.475		
6,600.00	6,398.28	6,367.69	6,347.26	31.62	27.80	80.34	-233.85	5,345.51	5,720.47	5,661.57	58.90	97.118		
6,700.00	6,498.28	6,424.60	6,404.16	31.97	28.03	80.34	-234.16	5,346.06	5,721.34	5,661.86	59.47	96.198		
6,794.10	6,592.38	6,441.00	6,420.56	32.31	28.10	80.34	-234.22	5,346.29	5,723.05	5,663.21	59.84	95.641		
6,800.00	6,598.28	6,441.00	6,420.56	32.33	28.10	-9.47	-234.22	5,346.29	5,723.18	5,663.32	59.86	95.614		
6,850.00	6,648.21	6,441.00	6,420.56	32.51	28.10	-9.48	-234.22	5,346.29	5,722.36	5,662.35	60.01	95.361		
6,900.00	6,697.79	6,477.66	6,457.21	32.69	28.25	-9.55	-234.22	5,347.27	5,717.55	5,657.23	60.33	94.774		
6,950.00	6,746.73	6,488.25	6,467.79	32.86	28.30	-9.68	-234.18	5,347.71	5,709.53	5,649.01	60.51	94.350		
7,000.00	6,794.71	6,530.00	6,509.46	33.03	28.47	-9.88	-233.82	5,350.11	5,698.43	5,637.58	60.85	93.654		
7,050.00	6,841.44	6,530.00	6,509.46	33.20	28.47	-10.13	-233.82	5,350.11	5,683.31	5,622.35	60.96	93.229		
7,100.00	6,886.64	6,530.00	6,509.46	33.35	28.47	-10.45	-233.82	5,350.11	5,664.94	5,603.87	61.06	92.771		
7,150.00	6,930.03	6,530.00	6,509.46	33.50	28.47	-10.85	-233.82	5,350.11	5,643.39	5,582.24	61.15	92.283		
7,200.00	6,971.33	6,530.00	6,509.46	33.64	28.47	-11.34	-233.82	5,350.11	5,618.78	5,557.55	61.23	91.764		
7,250.00	7,010.30	6,530.00	6,509.46	33.77	28.47	-11.94	-233.82	5,350.11	5,591.21	5,529.92	61.30	91.216		
7,300.00	7,046.69	6,530.00	6,509.46	33.89	28.47	-12.67	-233.82	5,350.11	5,560.81	5,499.46	61.35	90.640		
7,350.00	7,080.28	6,530.00	6,509.46	34.00	28.47	-13.57	-233.82	5,350.11	5,527.72	5,466.32	61.39	90.036		
7,400.00	7,110.86	6,530.00	6,509.46	34.11	28.47	-14.69	-233.82	5,350.11	5,492.10	5,430.67	61.43	89.406		
7,450.00	7,138.25	6,530.00	6,509.46	34.21	28.47	-16.09	-233.82	5,350.11	5,454.11	5,392.66	61.46	88.750		
7,500.00	7,162.27	6,530.00	6,509.46	34.32	28.47	-17.86	-233.82	5,350.11	5,413.96	5,352.48	61.47	88.068		
7,550.00	7,182.77	6,530.00	6,509.46	34.43	28.47	-20.15	-233.82	5,350.11	5,371.83	5,310.34	61.49	87.362		
7,600.00	7,199.64	6,567.58	6,546.87	34.57	28.63	-23.54	-233.30	5,353.64	5,326.94	5,265.23	61.71	86.319		
7,650.00	7,212.76	6,570.04	6,549.31	34.76	28.64	-27.88	-233.27	5,353.94	5,281.40	5,219.66	61.74	85.547		
7,700.00	7,222.06	6,572.05	6,551.31	35.02	28.65	-34.08	-233.24	5,354.18	5,234.59	5,172.83	61.76	84.758		
7,750.00	7,227.47	6,573.59	6,552.83	35.37	28.66	-43.30	-233.21	5,354.37	5,186.79	5,125.01	61.78	83.954		
7,793.42	7,229.00	6,574.52	6,553.76	35.74	28.66	-55.10	-233.20	5,354.49	5,144.67	5,082.87	61.80	83.244		
7,800.00	7,229.01	6,574.63	6,553.87	35.80	28.66	-55.10	-233.20	5,354.50	5,138.26	5,076.46	61.81	83.135		
7,900.00	7,229.11	6,576.38	6,555.60	36.91	28.67	-55.17	-233.17	5,354.73	5,040.84	4,978.99	61.86	81.492		
8,000.00	7,229.22	6,578.19	6,557.39	38.28	28.68	-55.25	-233.14	5,354.96	4,943.52	4,881.60	61.92	79.836		
8,100.00	7,229.33	6,580.06	6,559.25	39.83	28.68	-55.32	-233.11	5,355.21	4,846.30	4,784.31	62.00	78.167		
8,200.00	7,229.43	6,582.00	6,561.17	41.53	28.69	-55.40	-233.08	5,355.47	4,749.20	4,687.10	62.09	76.483		
8,300.00	7,229.54	6,619.00	6,597.70	43.36	28.85	-56.95	-232.41	5,361.32	4,653.10	4,590.68	62.42	74.548		
8,400.00	7,229.65	6,619.00	6,597.70	45.30	28.85	-56.95	-232.41	5,361.32	4,556.13	4,493.59	62.54	72.852		
8,500.00	7,229.75	6,619.00	6,597.70	47.33	28.85	-56.95	-232.41	5,361.32	4,459.30	4,396.62	62.68	71.140		
8,600.00	7,229.86	6,619.00	6,597.70	49.45	28.85	-56.95	-232.41	5,361.32	4,362.61	4,299.76	62.85	69.413		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	6,619.00	6,597.70	51.64	28.85	-56.95	-232.41	5,361.32	4,266.07	4,203.03	63.04	67.671		
8,800.00	7,230.07	6,619.00	6,597.70	53.89	28.85	-56.95	-232.41	5,361.32	4,169.70	4,106.44	63.26	65.912		
8,900.00	7,230.18	6,619.00	6,597.70	56.19	28.85	-56.95	-232.41	5,361.32	4,073.50	4,009.99	63.51	64.137		
9,000.00	7,230.29	6,619.00	6,597.70	58.55	28.85	-56.95	-232.41	5,361.32	3,977.48	3,913.69	63.80	62.347		
9,100.00	7,230.39	6,619.00	6,597.70	60.94	28.85	-56.95	-232.41	5,361.32	3,881.67	3,817.56	64.12	60.540		
9,200.00	7,230.50	6,619.00	6,597.70	63.38	28.85	-56.95	-232.41	5,361.32	3,786.08	3,721.60	64.48	58.718		
9,300.00	7,230.61	6,619.00	6,597.70	65.85	28.85	-56.95	-232.41	5,361.32	3,690.72	3,625.83	64.89	56.880		
9,400.00	7,230.72	6,619.00	6,597.70	68.35	28.85	-56.95	-232.41	5,361.32	3,595.61	3,530.27	65.34	55.027		
9,500.00	7,230.82	6,619.00	6,597.70	70.87	28.85	-56.95	-232.41	5,361.32	3,500.77	3,434.92	65.85	53.161		
9,600.00	7,230.93	6,619.00	6,597.70	73.42	28.85	-56.95	-232.41	5,361.32	3,406.23	3,339.81	66.42	51.282		
9,700.00	7,231.04	6,619.00	6,597.70	75.99	28.85	-56.95	-232.41	5,361.32	3,312.01	3,244.95	67.06	49.391		
9,800.00	7,231.14	6,640.70	6,619.01	78.59	28.94	-57.88	-232.18	5,365.36	3,218.02	3,150.10	67.92	47.382		
9,900.00	7,231.25	6,652.64	6,630.73	81.19	28.99	-58.39	-232.21	5,367.68	3,124.36	3,055.57	68.79	45.420		
10,000.00	7,231.36	6,665.27	6,643.10	83.82	29.04	-58.93	-232.36	5,370.19	3,031.02	2,961.27	69.75	43.456		
10,100.00	7,231.46	6,678.63	6,656.17	86.46	29.10	-59.51	-232.66	5,372.93	2,938.03	2,867.22	70.81	41.491		
10,200.00	7,231.57	6,692.78	6,670.00	89.11	29.16	-60.13	-233.13	5,375.92	2,845.42	2,773.43	71.98	39.529		
10,300.00	7,231.68	6,708.00	6,684.84	91.77	29.22	-60.79	-233.82	5,379.23	2,753.21	2,679.93	73.27	37.575		
10,400.00	7,231.78	6,708.00	6,684.84	94.45	29.22	-60.79	-233.82	5,379.23	2,661.49	2,586.90	74.59	35.681		
10,500.00	7,231.89	6,708.00	6,684.84	97.14	29.22	-60.79	-233.82	5,379.23	2,570.40	2,494.35	76.05	33.799		
10,600.00	7,232.00	6,708.00	6,684.84	99.83	29.22	-60.79	-233.82	5,379.23	2,479.99	2,402.33	77.66	31.934		
10,700.00	7,232.10	6,736.22	6,712.23	102.53	29.33	-62.04	-235.30	5,385.85	2,389.83	2,310.22	79.61	30.020		
10,800.00	7,232.21	6,744.45	6,720.18	105.25	29.37	-62.41	-235.75	5,387.93	2,300.68	2,219.07	81.62	28.189		
10,900.00	7,232.32	6,753.22	6,728.63	107.96	29.40	-62.80	-236.23	5,390.22	2,212.37	2,128.54	83.83	26.392		
11,000.00	7,232.42	6,762.60	6,737.65	110.69	29.44	-63.22	-236.76	5,392.76	2,124.98	2,038.71	86.26	24.634		
11,100.00	7,232.53	6,797.00	6,770.49	113.42	29.58	-64.79	-238.77	5,402.78	2,039.01	1,949.95	89.06	22.894		
11,200.00	7,232.64	6,797.00	6,770.49	116.16	29.58	-64.79	-238.77	5,402.78	1,953.52	1,861.56	91.96	21.244		
11,300.00	7,232.74	6,797.00	6,770.49	118.90	29.58	-64.79	-238.77	5,402.78	1,869.47	1,774.33	95.14	19.650		
11,400.00	7,232.85	6,797.00	6,770.49	121.65	29.58	-64.79	-238.77	5,402.78	1,787.07	1,688.43	98.63	18.118		
11,500.00	7,232.96	6,797.00	6,770.49	124.41	29.58	-64.79	-238.77	5,402.78	1,706.54	1,604.08	102.46	16.655		
11,600.00	7,233.06	6,797.00	6,770.49	127.16	29.58	-64.79	-238.77	5,402.78	1,628.18	1,521.53	106.65	15.266		
11,700.00	7,233.17	6,833.59	6,804.86	129.92	29.73	-66.49	-240.90	5,415.15	1,550.90	1,439.46	111.44	13.916		
11,800.00	7,233.28	6,845.53	6,815.90	132.69	29.77	-67.05	-241.56	5,419.65	1,476.84	1,360.34	116.51	12.676		
11,900.00	7,233.38	6,858.77	6,828.03	135.46	29.83	-67.66	-242.26	5,424.90	1,405.65	1,283.65	121.99	11.522		
12,000.00	7,233.49	6,886.00	6,852.59	138.23	29.94	-68.94	-243.64	5,436.58	1,337.88	1,209.91	127.97	10.455		
12,100.00	7,233.60	6,886.00	6,852.59	141.01	29.94	-68.94	-243.64	5,436.58	1,273.51	1,139.28	134.23	9.487		
12,200.00	7,233.71	6,886.00	6,852.59	143.79	29.94	-68.94	-243.64	5,436.58	1,213.98	1,073.16	140.82	8.621		
12,300.00	7,233.81	6,921.64	6,883.74	146.57	30.09	-70.59	-245.13	5,453.80	1,158.47	1,010.51	147.96	7.830		
12,400.00	7,233.92	6,941.19	6,900.26	149.35	30.17	-71.49	-245.74	5,464.24	1,108.83	953.66	155.17	7.146		
12,500.00	7,234.03	6,975.00	6,927.76	152.14	30.32	-73.01	-246.43	5,483.88	1,065.34	902.85	162.50	6.556		
12,600.00	7,234.13	6,975.00	6,927.76	154.93	30.32	-73.01	-246.43	5,483.88	1,028.29	858.90	169.39	6.071		
12,700.00	7,234.24	7,015.07	6,958.76	157.72	30.53	-74.78	-246.28	5,509.26	998.03	821.66	176.37	5.659		
12,800.00	7,234.35	7,064.00	6,994.45	160.52	30.80	-76.87	-244.22	5,542.65	975.87	792.91	182.96	5.334		
12,900.00	7,234.45	7,086.14	7,009.89	163.31	30.94	-77.79	-242.80	5,558.45	960.41	771.95	188.46	5.096		
13,000.00	7,234.56	7,147.47	7,051.23	166.11	31.38	-80.28	-238.72	5,603.56	951.56	757.61	193.95	4.906		
13,100.00	7,234.67	7,204.42	7,087.25	168.91	31.86	-82.46	-234.48	5,647.45	948.47	749.85	198.62	4.775		
13,103.05	7,234.67	7,206.22	7,088.34	169.00	31.87	-82.53	-234.33	5,648.88	948.46	749.71	198.75	4.772		
13,200.00	7,234.77	7,270.17	7,124.89	171.71	32.49	-84.75	-228.69	5,701.03	950.91	748.13	202.78	4.689		
13,300.00	7,234.88	7,366.90	7,169.07	174.52	33.60	-87.44	-220.05	5,786.50	957.04	749.76	207.28	4.617		
13,400.00	7,234.99	7,535.18	7,211.63	177.32	36.04	-89.98	-214.15	5,948.84	959.63	746.50	213.13	4.503		
13,500.00	7,235.09	7,640.51	7,225.23	180.13	37.89	-90.78	-214.91	6,053.26	958.65	740.84	217.81	4.401		
13,600.00	7,235.20	7,736.07	7,230.96	182.94	39.73	-91.12	-215.22	6,148.63	958.11	735.62	222.49	4.306		
13,643.00	7,235.25	7,776.07	7,232.13	184.14	40.55	-91.19	-215.19	6,188.61	958.03	733.50	224.52	4.267		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	7,235.31	7,828.20	7,233.48	185.74	41.65	-91.27	-214.91	6,240.73	958.17	730.94	227.23	4.217		
13,800.00	7,235.41	7,927.88	7,234.34	188.56	43.87	-91.31	-214.03	6,340.39	958.76	726.49	232.27	4.128		
13,900.00	7,235.52	8,024.02	7,232.13	191.37	46.14	-91.17	-212.91	6,436.50	959.54	722.18	237.36	4.043		
14,000.00	7,235.63	8,136.26	7,229.43	194.18	48.92	-91.00	-212.34	6,548.70	959.67	716.71	242.95	3.950		
14,100.00	7,235.73	8,261.20	7,229.27	197.00	52.15	-90.99	-213.13	6,673.64	958.87	710.01	248.86	3.853		
14,200.00	7,235.84	8,361.29	7,228.42	199.81	54.82	-90.93	-216.26	6,773.66	955.41	701.05	254.36	3.756		
14,300.00	7,235.95	8,478.31	7,228.92	202.63	58.04	-90.96	-220.40	6,890.61	951.55	691.34	260.21	3.657		
14,400.00	7,236.05	8,561.20	7,229.42	205.44	60.36	-90.99	-223.31	6,973.45	947.73	682.17	265.56	3.569		
14,500.00	7,236.16	8,646.05	7,229.63	208.26	62.78	-91.00	-224.84	7,058.28	945.61	674.69	270.92	3.490		
14,600.00	7,236.27	8,738.72	7,228.08	211.08	65.46	-90.90	-225.43	7,150.93	944.62	668.17	276.46	3.417		
14,633.47	7,236.30	8,766.93	7,227.39	212.03	66.29	-90.85	-225.40	7,179.13	944.53	666.29	278.24	3.395		
14,700.00	7,236.37	8,821.00	7,226.23	213.90	67.87	-90.78	-224.92	7,233.19	944.90	663.19	281.71	3.354		
14,800.00	7,236.48	8,892.66	7,225.11	216.72	69.99	-90.71	-222.75	7,304.80	947.63	661.14	286.48	3.308		
14,900.00	7,236.59	8,989.70	7,223.52	219.55	72.87	-90.60	-217.74	7,401.70	952.44	660.29	292.16	3.260		
15,000.00	7,236.69	9,097.38	7,221.37	222.37	76.10	-90.46	-212.83	7,509.24	956.66	658.38	298.28	3.207		
15,100.00	7,236.80	9,238.97	7,220.20	225.19	80.41	-90.38	-208.63	7,650.75	959.72	654.22	305.50	3.141		
15,200.00	7,236.91	9,355.21	7,218.00	228.02	83.97	-90.24	-210.61	7,766.96	957.58	645.79	311.79	3.071		
15,300.00	7,237.02	9,462.68	7,216.26	230.84	87.29	-90.13	-213.38	7,874.37	954.65	636.79	317.86	3.003		
15,400.00	7,237.12	9,548.13	7,215.02	233.67	89.95	-90.05	-214.86	7,959.80	952.57	629.09	323.48	2.945		
15,500.00	7,237.23	9,649.63	7,214.35	236.50	93.12	-90.01	-216.43	8,061.29	950.70	621.22	329.47	2.886		
15,600.00	7,237.34	9,743.24	7,213.20	239.32	96.06	-90.05	-216.94	8,154.89	949.81	614.52	335.28	2.833		
15,700.00	7,237.44	9,855.07	7,215.68	242.15	99.58	-90.07	-218.70	8,266.70	947.87	606.33	341.55	2.775		
15,800.00	7,237.55	9,945.83	7,214.51	244.98	102.45	-90.00	-220.15	8,357.44	945.97	598.65	347.32	2.724		
15,900.00	7,237.66	10,040.19	7,214.87	247.81	105.44	-90.01	-220.56	8,451.79	945.20	592.03	353.18	2.676		
16,000.00	7,237.76	10,154.41	7,216.15	250.64	109.07	-90.08	-221.58	8,566.01	944.02	584.48	359.54	2.626		
16,100.00	7,237.87	10,256.95	7,217.68	253.47	112.35	-90.17	-223.53	8,668.51	941.80	576.17	365.63	2.576		
16,200.00	7,237.98	10,390.40	7,217.13	256.30	116.62	-90.13	-228.55	8,801.85	937.75	565.62	372.13	2.520		
16,300.00	7,238.08	10,475.37	7,215.75	259.13	119.34	-90.04	-233.45	8,886.67	931.80	553.79	378.01	2.465		
16,400.00	7,238.19	10,546.92	7,214.52	261.96	121.64	-89.96	-235.10	8,958.19	929.11	545.59	383.51	2.423		
16,461.42	7,238.26	10,595.87	7,214.74	263.70	123.22	-89.97	-235.27	9,007.13	928.69	541.81	386.88	2.400		
16,500.00	7,238.30	10,627.28	7,215.32	264.79	124.23	-90.00	-235.04	9,038.54	928.85	539.86	388.99	2.388		
16,600.00	7,238.40	10,714.03	7,216.72	267.63	127.02	-90.08	-233.27	9,125.26	930.53	535.97	394.56	2.358		
16,700.00	7,238.51	10,836.28	7,216.58	270.46	130.96	-90.07	-231.08	9,247.48	932.11	530.73	401.39	2.322		
16,769.82	7,238.58	10,904.32	7,216.23	272.44	133.16	-90.04	-231.41	9,315.52	931.56	525.99	405.57	2.297		
16,800.00	7,238.62	10,925.30	7,216.44	273.29	133.84	-90.05	-231.24	9,336.50	931.71	524.61	407.10	2.289		
16,900.00	7,238.72	11,000.23	7,218.29	276.13	136.26	-90.16	-229.11	9,411.38	934.19	522.04	412.15	2.267		
17,000.00	7,238.83	11,116.44	7,220.20	278.96	140.01	-90.27	-224.31	9,527.47	938.17	519.26	418.91	2.240		
17,100.00	7,238.94	11,208.10	7,220.81	281.80	142.98	-90.30	-222.40	9,619.10	939.99	515.35	424.64	2.214		
17,200.00	7,239.04	11,326.65	7,222.68	284.63	146.82	-90.40	-219.33	9,737.59	942.35	510.92	431.43	2.184		
17,300.00	7,239.15	11,443.87	7,223.42	287.47	150.64	-90.44	-218.93	9,854.80	942.38	504.35	438.04	2.151		
17,400.00	7,239.26	11,583.10	7,225.14	290.30	155.17	-90.54	-222.33	9,993.98	939.75	494.98	444.78	2.113		
17,500.00	7,239.36	11,680.69	7,226.15	293.14	158.36	-90.60	-226.98	10,091.45	934.68	483.82	450.86	2.073		
17,600.00	7,239.47	11,769.28	7,226.74	295.98	161.25	-90.63	-230.50	10,179.96	930.39	473.55	456.84	2.037		
17,700.00	7,239.58	11,857.45	7,227.81	298.81	164.13	-90.69	-232.93	10,268.10	927.32	464.57	462.75	2.004		
17,800.00	7,239.68	11,941.57	7,226.98	301.65	166.88	-90.64	-233.95	10,352.20	925.77	457.28	468.49	1.976		
17,869.87	7,239.76	12,005.00	7,224.78	303.63	168.96	-90.50	-234.36	10,415.58	925.12	452.55	472.57	1.958 CC		
17,900.00	7,239.79	12,005.00	7,224.78	304.49	168.96	-90.50	-234.36	10,415.58	925.61	452.38	473.23	1.956 ES, SF		
18,000.00	7,239.90	12,005.00	7,224.78	307.33	168.96	-90.50	-234.36	10,415.58	934.22	462.29	471.93	1.980		
18,095.23	7,240.00	12,005.00	7,224.78	310.03	168.96	-90.50	-234.36	10,415.58	952.17	486.14	466.03	2.043		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.53	-508.36	5,252.78	5,277.37					
100.00	100.00	131.78	131.77	3.28	3.29	95.53	-508.68	5,252.06	5,276.92	5,270.34	6.58	802.211		
200.00	200.00	228.57	228.56	3.34	3.34	95.54	-508.99	5,250.88	5,275.74	5,269.06	6.68	790.356		
288.13	288.12	288.59	288.57	3.43	3.40	-98.31	-508.45	5,250.48	5,275.29	5,268.47	6.82	773.543		
300.00	299.98	295.78	295.76	3.44	3.40	-98.32	-508.33	5,250.46	5,275.30	5,268.46	6.84	770.974		
400.00	399.84	364.00	363.96	3.59	3.49	-98.36	-506.66	5,250.67	5,276.08	5,269.00	7.08	745.136		
500.00	499.45	428.16	428.06	3.79	3.60	-98.41	-503.95	5,251.37	5,278.02	5,270.64	7.38	714.754		
600.00	598.70	504.76	504.49	4.03	3.75	-98.51	-499.18	5,252.69	5,280.98	5,273.20	7.78	678.912		
700.00	697.47	599.09	598.55	4.31	3.97	-98.67	-492.17	5,254.71	5,284.84	5,276.56	8.28	637.934		
800.00	795.62	691.46	690.58	4.64	4.22	-98.85	-484.64	5,256.62	5,289.23	5,280.37	8.86	597.082		
900.00	893.06	772.40	771.18	5.00	4.46	-99.01	-477.37	5,258.61	5,294.60	5,285.14	9.46	559.496		
1,000.00	989.64	872.06	870.29	5.40	4.79	-99.27	-467.31	5,261.19	5,300.79	5,290.60	10.19	520.306		
1,100.00	1,085.27	975.80	973.27	5.83	5.17	-99.59	-455.09	5,263.76	5,307.60	5,296.61	10.99	482.919		
1,200.00	1,179.82	1,086.89	1,083.54	6.29	5.60	-99.96	-441.75	5,266.23	5,315.09	5,303.21	11.88	447.381		
1,235.00	1,212.63	1,141.18	1,137.39	6.46	5.82	-100.18	-434.92	5,267.23	5,317.81	5,305.54	12.27	433.502		
1,300.00	1,273.43	1,215.77	1,211.34	6.79	6.12	-100.55	-425.31	5,268.17	5,322.69	5,309.79	12.90	412.744		
1,400.00	1,366.98	1,273.32	1,268.42	7.30	6.37	-100.84	-417.91	5,269.11	5,330.87	5,317.23	13.65	390.601		
1,500.00	1,460.52	1,637.54	1,629.80	7.84	7.95	-102.64	-373.32	5,268.02	5,339.04	5,323.28	15.76	338.731		
1,600.00	1,554.07	1,735.65	1,727.38	8.38	8.38	-103.10	-363.65	5,264.55	5,343.50	5,326.78	16.73	319.485		
1,700.00	1,647.61	1,761.00	1,752.58	8.93	8.49	-103.22	-361.09	5,263.65	5,348.70	5,331.31	17.38	307.693		
1,800.00	1,741.16	1,812.12	1,803.44	9.49	8.71	-103.45	-356.03	5,262.34	5,354.96	5,336.80	18.16	294.882		
1,900.00	1,834.70	1,853.00	1,844.13	10.06	8.89	-103.64	-352.22	5,261.99	5,362.73	5,343.84	18.90	283.805		
2,000.00	1,928.25	1,891.24	1,882.19	10.63	9.06	-103.82	-348.57	5,262.02	5,371.69	5,352.07	19.63	273.711		
2,100.00	2,021.79	1,960.83	1,951.37	11.21	9.38	-104.15	-340.98	5,262.39	5,381.55	5,361.05	20.50	262.495		
2,200.00	2,115.33	2,170.04	2,159.28	11.79	10.34	-105.14	-317.97	5,260.05	5,389.62	5,367.58	22.04	244.557		
2,300.00	2,208.88	2,222.00	2,210.88	12.37	10.58	-105.39	-311.86	5,259.74	5,398.98	5,376.13	22.85	236.287		
2,400.00	2,302.42	2,400.00	2,263.89	12.96	11.41	-105.64	-306.02	5,259.60	5,409.12	5,384.88	24.24	223.110		
2,500.00	2,395.97	2,424.16	2,411.79	13.55	11.52	-106.34	-289.59	5,258.16	5,419.04	5,394.10	24.94	217.314		
2,600.00	2,489.51	2,498.00	2,485.18	14.14	11.86	-106.69	-281.49	5,257.16	5,429.07	5,403.21	25.86	209.970		
2,700.00	2,583.06	2,549.80	2,536.67	14.74	12.11	-106.93	-275.87	5,256.71	5,439.90	5,413.23	26.67	203.972		
2,800.00	2,676.60	2,600.60	2,587.14	15.34	12.35	-107.17	-270.04	5,256.72	5,451.83	5,424.35	27.48	198.410		
2,900.00	2,770.14	2,734.42	2,720.00	15.93	12.99	-107.80	-254.10	5,256.47	5,464.01	5,435.31	28.70	190.385		
3,000.00	2,863.69	2,875.81	2,860.41	16.53	13.66	-108.46	-237.47	5,255.00	5,475.78	5,445.82	29.96	182.766		
3,100.00	2,957.23	2,975.36	2,959.35	17.13	14.13	-108.92	-226.68	5,253.33	5,487.24	5,456.23	31.01	176.951		
3,200.00	3,050.78	3,023.71	3,007.40	17.74	14.36	-109.14	-221.24	5,252.70	5,499.42	5,467.61	31.81	172.889		
3,300.00	3,144.32	3,107.97	3,091.06	18.34	14.77	-109.53	-211.33	5,252.05	5,512.47	5,479.69	32.79	168.137		
3,400.00	3,237.87	3,164.40	3,147.15	18.94	15.04	-109.79	-205.14	5,251.63	5,525.89	5,492.27	33.62	164.357		
3,500.00	3,331.41	3,200.12	3,182.64	19.55	15.21	-109.95	-201.09	5,251.72	5,540.46	5,506.12	34.35	161.306		
3,600.00	3,424.96	3,278.54	3,260.53	20.15	15.58	-110.31	-192.00	5,252.58	5,556.14	5,520.85	35.29	157.450		
3,666.72	3,487.37	3,377.69	3,359.15	20.56	16.05	-110.75	-181.76	5,253.22	5,566.41	5,530.26	36.15	153.981		
3,700.00	3,518.57	3,421.27	3,402.53	20.76	16.25	-111.03	-177.63	5,253.37	5,571.40	5,534.85	36.55	152.445		
3,800.00	3,613.09	3,464.54	3,445.59	21.34	16.46	-111.48	-173.39	5,253.72	5,586.11	5,548.83	37.28	149.832		
3,900.00	3,708.70	3,549.10	3,529.69	21.90	16.86	-112.07	-164.62	5,254.72	5,600.31	5,562.10	38.21	146.580		
4,000.00	3,805.27	3,673.00	3,652.89	22.44	17.44	-112.74	-151.54	5,255.32	5,612.75	5,573.43	39.31	142.774		
4,100.00	3,902.69	3,718.01	3,697.68	22.95	17.66	-113.10	-147.05	5,255.61	5,624.36	5,584.37	39.99	140.658		
4,200.00	4,000.84	3,762.00	3,741.38	23.43	17.87	-113.43	-142.16	5,256.54	5,635.96	5,595.33	40.63	138.724		
4,300.00	4,099.59	3,814.00	3,792.99	23.89	18.12	-113.77	-136.01	5,258.03	5,647.14	5,605.86	41.29	136.773		
4,400.00	4,198.84	3,941.67	3,919.64	24.32	18.75	-114.25	-120.24	5,261.34	5,657.07	5,614.73	42.34	133.608		
4,500.00	4,298.45	4,500.00	4,076.69	24.73	21.45	-114.70	-101.37	5,264.03	5,664.64	5,619.19	45.45	124.637		
4,600.00	4,398.30	4,243.42	4,219.49	25.11	20.20	-115.00	-86.94	5,265.23	5,669.50	5,624.90	44.61	127.096		
4,701.72	4,500.00	4,297.00	4,272.80	25.45	20.45	78.69	-81.49	5,265.74	5,673.37	5,628.21	45.17	125.605		
4,800.00	4,598.28	4,358.37	4,333.82	25.74	20.75	78.62	-75.01	5,266.75	5,677.09	5,631.37	45.73	124.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,598.30	4,572.69	26.04	21.86	78.41	-53.15	5,270.10	5,680.52	5,633.31	47.21	120.322		
5,000.00	4,798.28	4,734.82	4,708.78	26.34	22.49	78.31	-42.29	5,269.79	5,681.87	5,633.72	48.15	118.000		
5,100.00	4,898.28	4,781.41	4,755.25	26.65	22.70	78.27	-38.83	5,269.81	5,683.47	5,634.82	48.65	116.828		
5,200.00	4,998.28	4,832.00	4,805.63	26.96	22.93	78.23	-34.39	5,270.30	5,686.12	5,636.95	49.16	115.654		
5,300.00	5,098.28	5,274.55	5,247.10	27.27	24.87	77.97	-8.57	5,267.68	5,688.94	5,637.42	51.52	110.421		
5,400.00	5,198.28	5,358.47	5,330.98	27.59	25.19	77.96	-8.17	5,265.12	5,686.06	5,633.90	52.17	108.999		
5,500.00	5,298.28	5,462.45	5,434.91	27.91	25.59	77.95	-7.93	5,262.14	5,683.31	5,630.42	52.89	107.448		
5,600.00	5,398.28	5,524.19	5,496.63	28.23	25.82	77.95	-7.94	5,260.61	5,680.86	5,627.40	53.45	106.277		
5,700.00	5,498.28	5,599.84	5,572.26	28.56	26.11	77.95	-8.33	5,259.24	5,678.97	5,624.90	54.07	105.034		
5,800.00	5,598.28	5,691.86	5,664.28	28.89	26.46	77.95	-8.71	5,257.82	5,677.37	5,622.62	54.75	103.695		
5,900.00	5,698.28	5,825.57	5,797.97	29.22	26.97	77.95	-9.25	5,255.49	5,675.61	5,620.00	55.61	102.069		
6,000.00	5,798.28	5,944.97	5,917.33	29.56	27.42	77.96	-10.41	5,252.79	5,673.18	5,616.78	56.40	100.585		
6,100.00	5,898.28	5,992.00	5,964.34	29.90	27.59	77.96	-11.17	5,251.76	5,670.93	5,614.02	56.91	99.642		
6,200.00	5,998.28	6,042.49	6,014.82	30.24	27.79	77.97	-11.74	5,251.07	5,669.58	5,612.14	57.44	98.701		
6,237.45	6,035.72	6,055.10	6,027.43	30.36	27.84	77.97	-11.77	5,251.01	5,669.40	5,611.78	57.61	98.404		
6,300.00	6,098.28	6,082.00	6,054.33	30.58	27.94	77.96	-11.68	5,251.05	5,669.47	5,611.55	57.92	97.881		
6,400.00	6,198.28	6,116.61	6,088.94	30.92	28.08	77.96	-11.54	5,251.41	5,670.47	5,612.09	58.38	97.134		
6,500.00	6,298.28	6,171.00	6,143.31	31.27	28.29	77.97	-11.69	5,252.66	5,672.54	5,613.62	58.92	96.278		
6,600.00	6,398.28	6,232.39	6,204.70	31.62	28.94	77.98	-12.06	5,255.03	5,675.05	5,614.13	60.91	93.164		
6,700.00	6,498.28	6,260.00	6,232.28	31.97	28.63	77.98	-12.06	5,255.03	5,678.45	5,618.55	59.89	94.807		
6,794.10	6,592.38	6,260.00	6,232.28	32.31	28.63	77.98	-12.06	5,255.03	5,683.25	5,623.10	60.15	94.485		
6,800.00	6,598.28	6,260.00	6,232.28	32.33	28.63	-11.83	-12.06	5,255.03	5,683.58	5,623.41	60.17	94.466		
6,850.00	6,648.21	6,260.00	6,232.28	32.51	28.63	-11.82	-12.06	5,255.03	5,684.44	5,624.15	60.30	94.274		
6,900.00	6,697.79	6,260.00	6,232.28	32.69	28.63	-11.86	-12.06	5,255.03	5,681.90	5,621.48	60.42	94.041		
6,950.00	6,746.73	6,260.00	6,232.28	32.86	28.63	-11.98	-12.06	5,255.03	5,675.97	5,615.44	60.53	93.770		
7,000.00	6,794.71	6,260.00	6,232.28	33.03	28.63	-12.15	-12.06	5,255.03	5,666.68	5,606.05	60.63	93.460		
7,050.00	6,841.44	6,260.00	6,232.28	33.20	28.63	-12.40	-12.06	5,255.03	5,654.06	5,593.34	60.72	93.116		
7,100.00	6,886.64	6,303.95	6,276.12	33.35	28.80	-12.77	-12.28	5,257.91	5,636.19	5,575.16	61.03	92.358		
7,150.00	6,930.03	6,307.92	6,280.06	33.50	28.82	-13.20	-12.31	5,258.35	5,616.73	5,555.61	61.11	91.905		
7,200.00	6,971.33	6,349.00	6,320.63	33.64	28.97	-13.78	-12.80	5,264.76	5,595.56	5,534.17	61.39	91.153		
7,250.00	7,010.30	6,349.00	6,320.63	33.77	28.97	-14.44	-12.80	5,264.76	5,569.67	5,508.24	61.43	90.660		
7,300.00	7,046.69	6,349.00	6,320.63	33.89	28.97	-15.26	-12.80	5,264.76	5,540.91	5,479.44	61.47	90.136		
7,350.00	7,080.28	6,349.00	6,320.63	34.00	28.97	-16.25	-12.80	5,264.76	5,509.42	5,447.92	61.50	89.583		
7,400.00	7,110.86	6,349.00	6,320.63	34.11	28.97	-17.46	-12.80	5,264.76	5,475.35	5,413.83	61.52	88.999		
7,450.00	7,138.25	6,349.00	6,320.63	34.21	28.97	-18.97	-12.80	5,264.76	5,438.85	5,377.32	61.54	88.386		
7,500.00	7,162.27	6,349.00	6,320.63	34.32	28.97	-20.85	-12.80	5,264.76	5,400.11	5,338.57	61.54	87.744		
7,550.00	7,182.77	6,349.00	6,320.63	34.43	28.97	-23.23	-12.80	5,264.76	5,359.32	5,297.77	61.55	87.073		
7,600.00	7,199.64	6,349.00	6,320.63	34.57	28.97	-26.31	-12.80	5,264.76	5,316.68	5,255.13	61.55	86.374		
7,650.00	7,212.76	6,349.00	6,320.63	34.76	28.97	-30.38	-12.80	5,264.76	5,272.43	5,210.87	61.56	85.647		
7,700.00	7,222.06	6,349.00	6,320.63	35.02	28.97	-35.88	-12.80	5,264.76	5,226.78	5,165.21	61.57	84.895		
7,750.00	7,227.47	6,349.00	6,320.63	35.37	28.97	-43.50	-12.80	5,264.76	5,180.00	5,118.42	61.58	84.117		
7,793.42	7,229.00	6,349.00	6,320.63	35.74	28.97	-52.56	-12.80	5,264.76	5,138.65	5,077.05	61.60	83.422		
7,800.00	7,229.01	6,349.00	6,320.63	35.80	28.97	-52.56	-12.80	5,264.76	5,132.35	5,070.74	61.60	83.314		
7,900.00	7,229.11	6,349.00	6,320.63	36.91	28.97	-52.56	-12.80	5,264.76	5,036.59	4,974.94	61.65	81.696		
8,000.00	7,229.22	6,349.00	6,320.63	38.28	28.97	-52.56	-12.80	5,264.76	4,941.00	4,879.28	61.72	80.057		
8,100.00	7,229.33	6,349.00	6,320.63	39.83	28.97	-52.56	-12.80	5,264.76	4,845.58	4,783.78	61.81	78.399		
8,200.00	7,229.43	6,349.00	6,320.63	41.53	28.97	-52.56	-12.80	5,264.76	4,750.36	4,688.44	61.92	76.720		
8,300.00	7,229.54	6,349.00	6,320.63	43.36	28.97	-52.56	-12.80	5,264.76	4,655.34	4,593.28	62.05	75.020		
8,400.00	7,229.65	6,349.00	6,320.63	45.30	28.97	-52.56	-12.80	5,264.76	4,560.53	4,498.31	62.22	73.299		
8,500.00	7,229.75	6,349.00	6,320.63	47.33	28.97	-52.56	-12.80	5,264.76	4,465.94	4,403.53	62.41	71.555		
8,600.00	7,229.86	6,349.00	6,320.63	49.45	28.97	-52.56	-12.80	5,264.76	4,371.60	4,308.96	62.64	69.790		
8,700.00	7,229.97	6,349.00	6,320.63	51.64	28.97	-52.56	-12.80	5,264.76	4,277.51	4,214.61	62.90	68.002		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,230.07	6,349.00	6,320.63	53.89	28.97	-52.56	-12.80	5,264.76	4,183.70	4,120.49	63.21	66.192		
8,900.00	7,230.18	6,349.00	6,320.63	56.19	28.97	-52.56	-12.80	5,264.76	4,090.18	4,026.63	63.55	64.361		
9,000.00	7,230.29	6,349.00	6,320.63	58.55	28.97	-52.56	-12.80	5,264.76	3,996.98	3,933.03	63.94	62.509		
9,100.00	7,230.39	6,349.00	6,320.63	60.94	28.97	-52.56	-12.80	5,264.76	3,904.11	3,839.72	64.39	60.636		
9,200.00	7,230.50	6,387.80	6,358.52	63.38	29.12	-53.75	-13.13	5,273.10	3,810.58	3,745.43	65.15	58.488		
9,300.00	7,230.61	6,392.46	6,363.04	65.85	29.14	-53.89	-13.14	5,274.21	3,718.19	3,652.45	65.75	56.555		
9,400.00	7,230.72	6,397.30	6,367.75	68.35	29.16	-54.04	-13.14	5,275.38	3,626.18	3,559.77	66.41	54.606		
9,500.00	7,230.82	6,402.35	6,372.64	70.87	29.18	-54.20	-13.13	5,276.63	3,534.57	3,467.43	67.14	52.644		
9,600.00	7,230.93	6,438.00	6,406.98	73.42	29.31	-55.34	-12.82	5,286.16	3,444.02	3,375.85	68.17	50.522		
9,700.00	7,231.04	6,438.00	6,406.98	75.99	29.31	-55.34	-12.82	5,286.16	3,353.09	3,284.06	69.03	48.574		
9,800.00	7,231.14	6,438.00	6,406.98	78.59	29.31	-55.34	-12.82	5,286.16	3,262.69	3,192.71	69.98	46.623		
9,900.00	7,231.25	6,438.00	6,406.98	81.19	29.31	-55.34	-12.82	5,286.16	3,172.87	3,101.84	71.03	44.671		
10,000.00	7,231.36	6,438.00	6,406.98	83.82	29.31	-55.34	-12.82	5,286.16	3,083.67	3,011.49	72.18	42.723		
10,100.00	7,231.46	6,438.00	6,406.98	86.46	29.31	-55.34	-12.82	5,286.16	2,995.15	2,921.72	73.44	40.785		
10,200.00	7,231.57	6,438.00	6,406.98	89.11	29.31	-55.34	-12.82	5,286.16	2,907.38	2,832.57	74.82	38.859		
10,300.00	7,231.68	6,438.00	6,406.98	91.77	29.31	-55.34	-12.82	5,286.16	2,820.43	2,744.10	76.33	36.952		
10,400.00	7,231.78	6,469.11	6,436.72	94.45	29.44	-56.35	-12.16	5,295.26	2,733.89	2,655.65	78.23	34.946		
10,500.00	7,231.89	6,480.38	6,447.46	97.14	29.48	-56.73	-11.81	5,298.67	2,648.38	2,568.25	80.13	33.052		
10,600.00	7,232.00	6,492.04	6,458.55	99.83	29.53	-57.12	-11.40	5,302.26	2,563.78	2,481.59	82.19	31.193		
10,700.00	7,232.10	6,527.00	6,491.65	102.53	29.67	-58.32	-9.80	5,313.38	2,480.45	2,395.81	84.64	29.305		
10,800.00	7,232.21	6,527.00	6,491.65	105.25	29.67	-58.32	-9.80	5,313.38	2,397.73	2,310.77	86.97	27.571		
10,900.00	7,232.32	6,527.00	6,491.65	107.96	29.67	-58.32	-9.80	5,313.38	2,316.37	2,226.89	89.48	25.886		
11,000.00	7,232.42	6,527.00	6,491.65	110.69	29.67	-58.32	-9.80	5,313.38	2,236.53	2,144.33	92.20	24.257		
11,100.00	7,232.53	6,527.00	6,491.65	113.42	29.67	-58.32	-9.80	5,313.38	2,156.36	2,063.24	95.13	22.689		
11,200.00	7,232.64	6,563.85	6,526.23	116.16	29.83	-59.61	-7.58	5,325.92	2,081.14	1,982.43	98.71	21.082		
11,300.00	7,232.74	6,576.70	6,538.19	118.90	29.88	-60.07	-6.68	5,330.54	2,006.15	1,903.87	102.28	19.614		
11,400.00	7,232.85	6,590.28	6,550.77	121.65	29.94	-60.55	-5.68	5,335.55	1,933.18	1,827.06	106.12	18.217		
11,500.00	7,232.96	6,615.00	6,573.51	124.41	30.05	-61.44	-3.67	5,345.03	1,862.51	1,752.14	110.37	16.875		
11,600.00	7,233.06	6,615.00	6,573.51	127.16	30.05	-61.44	-3.67	5,345.03	1,794.18	1,679.61	114.57	15.661		
11,700.00	7,233.17	6,615.00	6,573.51	129.92	30.05	-61.44	-3.67	5,345.03	1,728.93	1,609.93	119.00	14.529		
11,800.00	7,233.28	6,644.31	6,599.96	132.69	30.17	-62.50	-1.34	5,357.41	1,666.33	1,542.21	124.12	13.426		
11,900.00	7,233.38	6,659.88	6,613.68	135.46	30.24	-63.05	-0.25	5,364.70	1,607.35	1,478.10	129.25	12.436		
12,000.00	7,233.49	6,677.71	6,629.07	138.23	30.32	-63.67	0.86	5,373.63	1,552.06	1,417.44	134.62	11.529		
12,100.00	7,233.60	6,704.00	6,651.11	141.01	30.43	-64.56	2.25	5,387.90	1,500.76	1,360.51	140.25	10.701		
12,200.00	7,233.71	6,704.00	6,651.11	143.79	30.43	-64.56	2.25	5,387.90	1,453.90	1,308.28	145.62	9.984		
12,300.00	7,233.81	6,748.63	6,686.86	146.57	30.62	-66.03	4.32	5,414.52	1,411.00	1,259.30	151.70	9.301		
12,400.00	7,233.92	6,794.00	6,721.14	149.35	30.83	-67.47	6.40	5,444.15	1,373.23	1,215.49	157.74	8.706		
12,500.00	7,234.03	6,823.96	6,742.93	152.14	30.98	-68.39	7.74	5,464.67	1,339.76	1,176.21	163.55	8.192		
12,600.00	7,234.13	6,883.54	6,785.54	154.93	31.30	-70.23	10.26	5,506.23	1,310.34	1,140.64	169.70	7.722		
12,700.00	7,234.24	6,935.76	6,821.64	157.72	31.63	-71.82	12.33	5,543.90	1,284.96	1,109.32	175.65	7.316		
12,800.00	7,234.35	6,988.31	6,856.28	160.52	32.01	-73.37	14.33	5,583.36	1,263.86	1,082.48	181.38	6.968		
12,900.00	7,234.45	7,037.15	6,886.56	163.31	32.42	-74.74	16.47	5,621.61	1,247.39	1,060.58	186.80	6.678		
13,000.00	7,234.56	13,000.00	6,940.27	166.11	106.53	-77.19	19.02	5,700.79	1,233.93	980.12	253.81	4.862		
13,100.00	7,234.67	7,233.64	6,989.77	168.91	34.58	-79.45	17.77	5,788.38	1,221.00	1,022.74	198.26	6.159		
13,200.00	7,234.77	7,303.14	7,017.41	171.71	35.58	-80.72	16.12	5,852.11	1,210.73	1,007.45	203.29	5.956		
13,300.00	7,234.88	7,421.62	7,052.27	174.52	37.49	-82.32	11.56	5,965.14	1,202.01	993.43	208.58	5.763		
13,400.00	7,234.99	7,506.00	7,069.86	177.32	39.04	-83.12	5.95	6,047.47	1,192.36	978.82	213.54	5.584		
13,500.00	7,235.09	7,577.46	7,081.01	180.13	40.47	-83.63	1.86	6,117.93	1,184.64	966.27	218.37	5.425		
13,600.00	7,235.20	7,638.16	7,086.13	182.94	41.73	-83.86	-0.12	6,178.35	1,180.15	957.27	222.88	5.295		
13,700.00	7,235.31	7,714.80	7,086.42	185.74	43.41	-83.87	-1.26	6,254.96	1,178.32	950.83	227.49	5.180		
13,739.58	7,235.35	7,744.51	7,085.50	186.86	44.09	-83.82	-1.39	6,284.66	1,178.15	948.87	229.28	5.138		
13,800.00	7,235.41	7,789.55	7,084.36	188.56	45.13	-83.76	-1.08	6,329.69	1,178.55	946.54	232.01	5.080		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,235.52	7,915.37	7,082.22	191.37	48.17	-83.65	-0.31	6,455.48	1,179.11	941.37	237.75	4.960		
13,953.64	7,235.58	7,958.62	7,081.69	192.88	49.26	-83.63	-0.42	6,498.73	1,178.88	938.52	240.36	4.905		
14,000.00	7,235.63	7,997.78	7,081.36	194.18	50.25	-83.61	-0.19	6,537.88	1,179.05	936.40	242.65	4.859		
14,100.00	7,235.73	8,116.88	7,080.09	197.00	53.36	-83.54	0.12	6,656.97	1,179.18	930.70	248.47	4.746		
14,200.00	7,235.84	8,227.64	7,078.27	199.81	56.35	-83.43	-1.98	6,767.70	1,177.11	922.96	254.15	4.632		
14,300.00	7,235.95	8,307.08	7,076.69	202.63	58.54	-83.35	-2.90	6,847.12	1,175.92	916.73	259.20	4.537		
14,307.85	7,235.96	8,312.92	7,076.60	202.85	58.70	-83.34	-2.89	6,852.95	1,175.91	916.33	259.58	4.530		
14,400.00	7,236.05	8,382.89	7,075.84	205.44	60.66	-83.30	-2.07	6,922.92	1,176.81	912.69	264.12	4.456		
14,500.00	7,236.16	8,463.60	7,074.63	208.26	62.96	-83.25	0.32	7,003.58	1,179.61	910.48	269.13	4.383		
14,600.00	7,236.27	8,556.60	7,073.92	211.08	65.64	-83.24	4.25	7,096.50	1,183.57	909.02	274.55	4.311		
14,700.00	7,236.37	8,676.54	7,069.96	213.90	69.15	-83.06	8.43	7,216.29	1,187.18	906.35	280.82	4.227		
14,800.00	7,236.48	8,834.01	7,067.46	216.72	73.83	-82.93	9.12	7,373.72	1,187.68	899.66	288.03	4.123		
14,900.00	7,236.59	8,962.53	7,066.80	219.55	77.69	-82.86	3.93	7,502.13	1,183.26	888.94	294.32	4.020		
15,000.00	7,236.69	9,076.20	7,066.34	222.37	81.14	-82.80	-1.93	7,615.65	1,177.89	877.59	300.31	3.922		
15,100.00	7,236.80	9,187.62	7,065.99	225.19	84.55	-82.73	-8.59	7,726.86	1,171.72	865.46	306.26	3.826		
15,200.00	7,236.91	9,292.07	7,061.91	228.02	87.76	-82.47	-16.81	7,830.90	1,164.09	852.08	312.01	3.731		
15,300.00	7,237.02	9,374.60	7,057.44	230.84	90.32	-82.21	-22.74	7,913.10	1,157.40	839.88	317.52	3.645		
15,400.00	7,237.12	9,459.94	7,055.12	233.67	92.97	-82.06	-27.17	7,998.29	1,152.29	829.20	323.09	3.566		
15,500.00	7,237.23	9,542.46	7,054.86	236.50	95.55	-82.02	-30.37	8,080.74	1,148.24	819.58	328.66	3.494		
15,600.00	7,237.34	9,616.86	7,055.27	239.32	97.89	-82.02	-31.53	8,155.13	1,146.30	812.31	333.99	3.432		
15,644.12	7,237.38	9,651.08	7,055.51	240.57	98.97	-82.03	-31.54	8,189.35	1,146.11	809.77	336.34	3.408		
15,700.00	7,237.44	9,694.70	7,055.82	242.15	100.35	-82.05	-31.13	8,232.97	1,146.41	807.12	339.29	3.379		
15,800.00	7,237.55	9,774.59	7,056.61	244.98	102.87	-82.09	-29.19	8,312.83	1,148.37	803.79	344.57	3.333		
15,900.00	7,237.66	9,896.04	7,058.50	247.81	106.72	-82.20	-26.63	8,434.23	1,149.88	798.54	351.34	3.273		
16,000.00	7,237.76	9,996.35	7,058.49	250.64	109.91	-82.20	-25.26	8,534.53	1,150.92	793.61	357.31	3.221		
16,100.00	7,237.87	10,090.15	7,057.87	253.47	112.90	-82.17	-24.16	8,628.32	1,151.89	788.83	363.05	3.173		
16,200.00	7,237.98	10,202.33	7,057.72	256.30	116.48	-82.16	-22.19	8,740.49	1,153.41	783.99	369.42	3.122		
16,300.00	7,238.08	10,307.81	7,056.62	259.13	119.86	-82.10	-22.02	8,845.96	1,153.40	777.88	375.52	3.071		
16,400.00	7,238.19	10,433.63	7,053.32	261.96	123.90	-81.92	-24.16	8,971.71	1,151.66	769.64	382.02	3.015		
16,500.00	7,238.30	10,528.28	7,050.97	264.79	126.95	-81.78	-26.10	9,066.31	1,149.68	761.90	387.78	2.965		
16,600.00	7,238.40	10,618.22	7,048.73	267.63	129.85	-81.65	-27.62	9,156.21	1,148.08	754.67	393.42	2.918		
16,700.00	7,238.51	10,715.10	7,046.97	270.46	132.98	-81.55	-27.98	9,253.07	1,147.66	748.41	399.25	2.875		
16,800.00	7,238.62	10,825.72	7,046.17	273.29	136.56	-81.50	-29.17	9,363.69	1,146.39	740.91	405.48	2.827		
16,900.00	7,238.72	10,918.53	7,045.36	276.13	139.56	-81.44	-30.32	9,456.48	1,145.00	733.73	411.26	2.784		
17,000.00	7,238.83	11,016.56	7,045.33	278.96	142.75	-81.43	-30.86	9,554.51	1,144.16	726.94	417.22	2.742		
17,100.00	7,238.94	11,145.61	7,046.00	281.80	146.94	-81.43	-34.25	9,683.50	1,140.92	717.02	423.90	2.691		
17,200.00	7,239.04	11,219.58	7,045.54	284.63	149.34	-81.39	-35.63	9,757.46	1,138.83	709.51	429.32	2.653		
17,300.00	7,239.15	11,307.83	7,045.08	287.47	152.22	-81.36	-35.83	9,845.70	1,138.36	703.38	434.99	2.617		
17,343.83	7,239.20	11,351.22	7,044.83	288.71	153.63	-81.34	-35.75	9,889.09	1,138.35	700.75	437.60	2.601 CC		
17,400.00	7,239.26	11,396.17	7,044.45	290.30	155.09	-81.32	-35.57	9,934.04	1,138.51	697.90	440.61	2.584		
17,500.00	7,239.36	11,467.00	7,043.68	293.14	157.39	-81.29	-33.43	10,004.83	1,141.19	695.71	445.48	2.562 ES		
17,600.00	7,239.47	11,541.02	7,042.62	295.98	159.79	-81.27	-29.42	10,078.73	1,146.31	696.08	450.23	2.546		
17,700.00	7,239.58	11,626.17	7,040.90	298.81	162.55	-81.22	-23.88	10,163.68	1,152.74	697.36	455.38	2.531		
17,800.00	7,239.68	11,749.62	7,037.40	301.65	166.56	-81.09	-16.29	10,286.84	1,158.99	696.49	462.50	2.506		
17,900.00	7,239.79	11,833.99	7,035.07	304.49	169.30	-81.01	-11.68	10,371.05	1,164.55	696.93	467.62	2.490		
18,000.00	7,239.90	11,898.00	7,032.84	307.33	171.38	-80.93	-7.66	10,434.90	1,171.52	700.15	471.37	2.485 SF		
18,095.23	7,240.00	11,898.00	7,032.84	310.03	171.38	-80.93	-7.66	10,434.90	1,184.29	714.97	469.31	2.523		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-71.44	1,969.02	-5,863.79	6,185.56					
100.00	100.00	133.00	133.00	3.28	4.38	-71.44	1,969.02	-5,863.79	6,185.56	6,177.90	7.66	807.384		
200.00	200.00	233.00	233.00	3.34	7.18	-71.44	1,969.02	-5,863.79	6,185.56	6,175.04	10.52	588.071	CC	
300.00	299.98	332.98	332.98	3.44	10.41	94.75	1,969.02	-5,863.79	6,185.70	6,171.85	13.85	446.669		
400.00	399.84	432.84	432.84	3.59	13.76	94.79	1,969.02	-5,863.79	6,186.14	6,168.79	17.35	356.548		
500.00	499.45	532.45	532.45	3.79	17.16	94.86	1,969.02	-5,863.79	6,186.87	6,165.93	20.95	295.381		
600.00	598.70	631.70	631.70	4.03	20.57	94.95	1,969.02	-5,863.79	6,187.92	6,163.32	24.60	251.541		
700.00	697.47	730.47	730.47	4.31	23.98	95.06	1,969.02	-5,863.79	6,189.30	6,161.01	28.29	218.743		
800.00	795.62	828.62	828.62	4.64	27.38	95.20	1,969.02	-5,863.79	6,191.04	6,159.02	32.02	193.365		
900.00	893.06	926.06	926.06	5.00	30.76	95.36	1,969.02	-5,863.79	6,193.17	6,157.41	35.76	173.198		
1,000.00	989.64	1,022.64	1,022.64	5.40	34.11	95.54	1,969.02	-5,863.79	6,195.71	6,156.20	39.51	156.818		
1,100.00	1,085.27	1,118.27	1,118.27	5.83	37.44	95.74	1,969.02	-5,863.79	6,198.71	6,155.45	43.26	143.277		
1,200.00	1,179.82	1,212.82	1,212.82	6.29	40.73	95.95	1,969.02	-5,863.79	6,202.22	6,155.20	47.02	131.912		
1,235.00	1,212.63	1,245.63	1,245.63	6.46	41.87	96.03	1,969.02	-5,863.79	6,203.57	6,155.24	48.33	128.361		
1,300.00	1,273.43	1,306.43	1,306.43	6.79	43.98	96.22	1,969.02	-5,863.79	6,206.19	6,155.42	50.77	122.243		
1,400.00	1,366.98	1,400.02	1,399.98	7.30	47.24	96.53	1,969.02	-5,863.79	6,210.38	6,155.84	54.54	113.865		
1,500.00	1,460.52	1,506.48	1,493.52	7.84	50.95	96.83	1,969.02	-5,863.79	6,214.77	6,155.99	58.78	105.733		
1,600.00	1,554.07	1,587.07	1,587.07	8.38	53.76	97.13	1,969.02	-5,863.79	6,219.36	6,157.24	62.13	100.109		
1,700.00	1,647.61	1,680.61	1,680.61	8.93	57.02	97.44	1,969.02	-5,863.79	6,224.15	6,158.21	65.93	94.399		
1,800.00	1,741.16	1,774.16	1,774.16	9.49	60.28	97.74	1,969.02	-5,863.79	6,229.13	6,159.38	69.75	89.304		
1,900.00	1,834.70	1,867.70	1,867.70	10.06	63.54	98.04	1,969.02	-5,863.79	6,234.31	6,160.74	73.58	84.733		
2,000.00	1,928.25	1,961.25	1,961.25	10.63	66.80	98.34	1,969.02	-5,863.79	6,239.69	6,162.28	77.41	80.610		
2,100.00	2,021.79	2,054.79	2,054.79	11.21	70.06	98.64	1,969.02	-5,863.79	6,245.26	6,164.02	81.24	76.874		
2,200.00	2,115.33	2,148.33	2,148.33	11.79	73.33	98.94	1,969.02	-5,863.79	6,251.02	6,165.95	85.08	73.474		
2,300.00	2,208.88	2,241.88	2,241.88	12.37	76.59	99.24	1,969.02	-5,863.79	6,256.98	6,168.06	88.92	70.367		
2,400.00	2,302.42	2,335.42	2,335.42	12.96	79.85	99.54	1,969.02	-5,863.79	6,263.14	6,170.37	92.76	67.517		
2,500.00	2,395.97	2,428.97	2,428.97	13.55	83.11	99.84	1,969.02	-5,863.79	6,269.49	6,172.88	96.61	64.895		
2,600.00	2,489.51	2,522.51	2,522.51	14.14	86.38	100.14	1,969.02	-5,863.79	6,276.03	6,175.57	100.46	62.474		
2,700.00	2,583.06	2,616.06	2,616.06	14.74	89.64	100.44	1,969.02	-5,863.79	6,282.76	6,178.45	104.31	60.232		
2,800.00	2,676.60	2,709.60	2,709.60	15.34	92.90	100.73	1,969.02	-5,863.79	6,289.68	6,181.52	108.16	58.151		
2,900.00	2,770.14	2,803.14	2,803.14	15.93	96.17	101.03	1,969.02	-5,863.79	6,296.80	6,184.78	112.01	56.215		
3,000.00	2,863.69	2,903.31	2,896.69	16.53	99.66	101.32	1,969.02	-5,863.79	6,304.10	6,188.00	116.10	54.300		
3,100.00	2,957.23	3,009.77	2,990.23	17.13	103.38	101.62	1,969.02	-5,863.79	6,311.60	6,191.19	120.40	52.420		
3,200.00	3,050.78	3,083.78	3,083.78	17.74	105.96	101.91	1,969.02	-5,863.79	6,319.28	6,195.70	123.58	51.136		
3,300.00	3,144.32	3,177.32	3,177.32	18.34	109.22	102.21	1,969.02	-5,863.79	6,327.15	6,199.72	127.43	49.651		
3,400.00	3,237.87	3,270.87	3,270.87	18.94	112.49	102.50	1,969.02	-5,863.79	6,335.21	6,203.92	131.29	48.254		
3,500.00	3,331.41	3,364.41	3,364.41	19.55	115.75	102.79	1,969.02	-5,863.79	6,343.45	6,208.31	135.14	46.938		
3,600.00	3,424.96	3,457.96	3,457.96	20.15	119.02	103.09	1,969.02	-5,863.79	6,351.88	6,212.88	139.00	45.697		
3,666.72	3,487.37	3,520.37	3,520.37	20.56	121.20	103.28	1,969.02	-5,863.79	6,357.61	6,216.04	141.57	44.907		
3,700.00	3,518.57	3,551.57	3,551.57	20.76	122.28	103.43	1,969.02	-5,863.79	6,360.46	6,217.60	142.86	44.523		
3,800.00	3,613.09	3,646.09	3,646.09	21.34	125.58	103.86	1,969.02	-5,863.79	6,368.57	6,221.84	146.73	43.404		
3,900.00	3,708.70	3,741.70	3,741.70	21.90	128.92	104.25	1,969.02	-5,863.79	6,375.99	6,225.37	150.61	42.333		
4,000.00	3,805.27	3,838.27	3,838.27	22.44	132.29	104.60	1,969.02	-5,863.79	6,382.66	6,228.15	154.51	41.309		
4,100.00	3,902.69	3,935.69	3,935.69	22.95	135.69	104.90	1,969.02	-5,863.79	6,388.55	6,230.14	158.41	40.329		
4,200.00	4,000.84	4,033.84	4,033.84	23.43	139.11	105.16	1,969.02	-5,863.79	6,393.60	6,231.29	162.31	39.391		
4,300.00	4,099.59	4,132.59	4,132.59	23.89	142.56	105.38	1,969.02	-5,863.79	6,397.78	6,231.57	166.21	38.492		
4,400.00	4,198.84	4,231.84	4,231.84	24.32	146.03	105.55	1,969.02	-5,863.79	6,401.07	6,230.97	170.10	37.631		
4,500.00	4,298.45	4,331.45	4,331.45	24.73	149.50	105.67	1,969.02	-5,863.79	6,403.44	6,229.46	173.98	36.805		
4,600.00	4,398.30	4,431.30	4,431.30	25.11	152.99	105.74	1,969.02	-5,863.79	6,404.88	6,227.03	177.85	36.013		
4,701.72	4,500.00	4,533.00	4,533.00	25.45	156.54	-60.41	1,969.02	-5,863.79	6,405.37	6,223.63	181.74	35.245		
4,800.00	4,598.28	4,631.28	4,631.28	25.74	159.97	-60.41	1,969.02	-5,863.79	6,405.37	6,219.91	185.46	34.537		
4,900.00	4,698.28	4,731.28	4,731.28	26.04	163.46	-60.41	1,969.02	-5,863.79	6,405.37	6,216.11	189.25	33.845		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,831.28	4,831.28	26.34	166.95	-60.41	1,969.02	-5,863.79	6,405.37	6,212.32	193.05	33.180		
5,100.00	4,898.28	4,931.28	4,931.28	26.65	170.44	-60.41	1,969.02	-5,863.79	6,405.37	6,208.52	196.85	32.539		
5,200.00	4,998.28	5,031.28	5,031.28	26.96	173.93	-60.41	1,969.02	-5,863.79	6,405.37	6,204.71	200.66	31.922		
5,300.00	5,098.28	5,131.28	5,131.28	27.27	177.42	-60.41	1,969.02	-5,863.79	6,405.37	6,200.90	204.46	31.328		
5,400.00	5,198.28	5,231.28	5,231.28	27.59	180.91	-60.41	1,969.02	-5,863.79	6,405.37	6,197.09	208.27	30.755		
5,500.00	5,298.28	5,331.28	5,331.28	27.91	184.40	-60.41	1,969.02	-5,863.79	6,405.37	6,193.28	212.09	30.201		
5,600.00	5,398.28	5,431.28	5,431.28	28.23	187.89	-60.41	1,969.02	-5,863.79	6,405.37	6,189.46	215.91	29.667		
5,700.00	5,498.28	5,531.28	5,531.28	28.56	191.38	-60.41	1,969.02	-5,863.79	6,405.37	6,185.64	219.73	29.152		
5,800.00	5,598.28	5,631.28	5,631.28	28.89	194.87	-60.41	1,969.02	-5,863.79	6,405.37	6,181.82	223.55	28.653		
5,900.00	5,698.28	5,731.28	5,731.28	29.22	198.36	-60.41	1,969.02	-5,863.79	6,405.37	6,177.99	227.38	28.171		
6,000.00	5,798.28	5,831.28	5,831.28	29.56	201.85	-60.41	1,969.02	-5,863.79	6,405.37	6,174.16	231.20	27.704		
6,100.00	5,898.28	5,931.28	5,931.28	29.90	205.34	-60.41	1,969.02	-5,863.79	6,405.37	6,170.33	235.04	27.253		
6,200.00	5,998.28	6,031.28	6,031.28	30.24	208.83	-60.41	1,969.02	-5,863.79	6,405.37	6,166.50	238.87	26.815		
6,300.00	6,098.28	6,131.28	6,131.28	30.58	212.32	-60.41	1,969.02	-5,863.79	6,405.37	6,162.66	242.71	26.391		
6,400.00	6,198.28	6,231.28	6,231.28	30.92	215.81	-60.41	1,969.02	-5,863.79	6,405.37	6,158.82	246.55	25.980		
6,500.00	6,298.28	6,331.28	6,331.28	31.27	219.30	-60.41	1,969.02	-5,863.79	6,405.37	6,154.98	250.39	25.582		
6,600.00	6,398.28	6,431.28	6,431.28	31.62	222.80	-60.41	1,969.02	-5,863.79	6,405.37	6,151.14	254.23	25.195		
6,700.00	6,498.28	6,531.28	6,531.28	31.97	226.29	-60.41	1,969.02	-5,863.79	6,405.37	6,147.29	258.08	24.820		
6,794.10	6,592.38	6,625.38	6,625.38	32.31	229.57	-60.41	1,969.02	-5,863.79	6,405.37	6,143.67	261.70	24.476		
6,800.00	6,598.28	6,631.28	6,631.28	32.33	229.78	-150.23	1,969.02	-5,863.79	6,405.39	6,143.47	261.92	24.455 ES		
6,850.00	6,648.21	6,681.21	6,681.21	32.51	231.52	-150.14	1,969.02	-5,863.79	6,407.50	6,143.65	263.85	24.285		
6,900.00	6,697.79	6,730.79	6,730.79	32.69	233.25	-149.92	1,969.02	-5,863.79	6,413.00	6,147.24	265.76	24.131		
6,950.00	6,746.73	6,779.73	6,779.73	32.86	234.96	-149.56	1,969.02	-5,863.79	6,421.86	6,154.21	267.65	23.994		
7,000.00	6,794.71	6,827.71	6,827.71	33.03	236.63	-149.04	1,969.02	-5,863.79	6,434.04	6,164.54	269.50	23.874		
7,050.00	6,841.44	6,874.44	6,874.44	33.20	238.26	-148.37	1,969.02	-5,863.79	6,449.46	6,178.15	271.31	23.772		
7,100.00	6,886.64	6,919.64	6,919.64	33.35	239.84	-147.51	1,969.02	-5,863.79	6,468.04	6,194.99	273.05	23.688		
7,150.00	6,930.03	6,963.03	6,963.03	33.50	241.36	-146.45	1,969.02	-5,863.79	6,489.67	6,214.94	274.73	23.622		
7,200.00	6,971.33	7,004.33	7,004.33	33.64	242.80	-145.15	1,969.02	-5,863.79	6,514.23	6,237.90	276.32	23.575		
7,250.00	7,010.30	7,043.30	7,043.30	33.77	244.16	-143.59	1,969.02	-5,863.79	6,541.57	6,263.73	277.83	23.545		
7,300.00	7,046.69	7,079.69	7,079.69	33.89	245.43	-141.71	1,969.02	-5,863.79	6,571.53	6,292.29	279.24	23.533 SF		
7,350.00	7,080.28	7,113.28	7,113.28	34.00	246.60	-139.45	1,969.02	-5,863.79	6,603.95	6,323.40	280.55	23.539		
7,400.00	7,110.86	7,143.86	7,143.86	34.11	247.67	-136.75	1,969.02	-5,863.79	6,638.63	6,356.89	281.75	23.563		
7,450.00	7,138.25	7,171.25	7,171.25	34.21	248.62	-133.52	1,969.02	-5,863.79	6,675.37	6,392.55	282.82	23.603		
7,500.00	7,162.27	7,204.73	7,195.27	34.32	249.79	-129.64	1,969.02	-5,863.79	6,713.94	6,429.83	284.11	23.632		
7,550.00	7,182.77	7,215.77	7,215.77	34.43	250.18	-125.02	1,969.02	-5,863.79	6,754.12	6,469.52	284.61	23.731		
7,600.00	7,199.64	7,232.64	7,232.64	34.57	250.77	-119.54	1,969.02	-5,863.79	6,795.67	6,510.37	285.31	23.819		
7,650.00	7,212.76	7,245.76	7,245.76	34.76	251.23	-113.13	1,969.02	-5,863.79	6,838.33	6,552.47	285.87	23.921		
7,700.00	7,222.06	7,255.06	7,255.06	35.02	251.55	-105.78	1,969.02	-5,863.79	6,881.85	6,595.55	286.30	24.038		
7,750.00	7,227.47	7,260.47	7,260.47	35.37	251.74	-97.63	1,969.02	-5,863.79	6,925.96	6,639.37	286.59	24.167		
7,793.42	7,229.00	7,262.00	7,262.00	35.74	251.79	-90.12	1,969.02	-5,863.79	6,964.52	6,677.80	286.72	24.290		
7,800.00	7,229.01	7,262.01	7,262.01	35.80	251.79	-90.12	1,969.02	-5,863.79	6,970.38	6,683.64	286.74	24.309		
7,900.00	7,229.11	7,262.11	7,262.11	36.91	251.80	-90.12	1,969.02	-5,863.79	7,059.51	6,772.55	286.96	24.601		
8,000.00	7,229.22	7,262.22	7,262.22	38.28	251.80	-90.12	1,969.02	-5,863.79	7,148.92	6,861.72	287.21	24.891		
8,100.00	7,229.33	7,262.33	7,262.33	39.83	251.80	-90.13	1,969.02	-5,863.79	7,238.62	6,951.13	287.49	25.179		
8,200.00	7,229.43	7,262.43	7,262.43	41.53	251.81	-90.13	1,969.02	-5,863.79	7,328.58	7,040.78	287.80	25.465		
8,300.00	7,229.54	7,262.54	7,262.54	43.36	251.81	-90.13	1,969.02	-5,863.79	7,418.80	7,130.67	288.13	25.748		
8,400.00	7,229.65	7,262.65	7,262.65	45.30	251.82	-90.13	1,969.02	-5,863.79	7,509.26	7,220.78	288.48	26.031		
8,500.00	7,229.75	7,262.75	7,262.75	47.33	251.82	-90.13	1,969.02	-5,863.79	7,599.96	7,311.11	288.85	26.311		
8,600.00	7,229.86	7,262.86	7,262.86	49.45	251.82	-90.13	1,969.02	-5,863.79	7,690.90	7,401.66	289.24	26.590		
8,700.00	7,229.97	7,262.97	7,262.97	51.64	251.83	-90.14	1,969.02	-5,863.79	7,782.06	7,492.42	289.64	26.868		
8,800.00	7,230.07	7,263.07	7,263.07	53.89	251.83	-90.14	1,969.02	-5,863.79	7,873.43	7,583.38	290.05	27.145		
8,900.00	7,230.18	7,263.18	7,263.18	56.19	251.83	-90.14	1,969.02	-5,863.79	7,965.01	7,674.53	290.48	27.421		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	7,263.29	7,263.29	58.55	251.84	-90.14	1,969.02	-5,863.79	8,056.79	7,765.88	290.91	27.695		
9,100.00	7,230.39	7,263.39	7,263.39	60.94	251.84	-90.14	1,969.02	-5,863.79	8,148.76	7,857.41	291.35	27.969		
9,200.00	7,230.50	7,263.50	7,263.50	63.38	251.85	-90.15	1,969.02	-5,863.79	8,240.92	7,949.13	291.79	28.242		
9,300.00	7,230.61	7,263.61	7,263.61	65.85	251.85	-90.15	1,969.02	-5,863.79	8,333.26	8,041.02	292.24	28.515		
9,400.00	7,230.72	7,263.72	7,263.72	68.35	251.85	-90.15	1,969.02	-5,863.79	8,425.78	8,133.08	292.70	28.787		
9,500.00	7,230.82	7,263.82	7,263.82	70.87	251.86	-90.15	1,969.02	-5,863.79	8,518.46	8,225.31	293.15	29.058		
9,600.00	7,230.93	7,263.93	7,263.93	73.42	251.86	-90.15	1,969.02	-5,863.79	8,611.31	8,317.70	293.61	29.329		
9,700.00	7,231.04	7,264.04	7,264.04	75.99	251.86	-90.16	1,969.02	-5,863.79	8,704.32	8,410.25	294.07	29.599		
9,800.00	7,231.14	7,264.14	7,264.14	78.59	251.87	-90.16	1,969.02	-5,863.79	8,797.48	8,502.95	294.53	29.870		
9,900.00	7,231.25	7,264.25	7,264.25	81.19	251.87	-90.16	1,969.02	-5,863.79	8,890.79	8,595.80	294.99	30.139		
10,000.00	7,231.36	7,264.36	7,264.36	83.82	251.88	-90.16	1,969.02	-5,863.79	8,984.24	8,688.79	295.45	30.409		
10,100.00	7,231.46	7,264.46	7,264.46	86.46	251.88	-90.16	1,969.02	-5,863.79	9,077.83	8,781.92	295.91	30.678		
10,200.00	7,231.57	7,264.57	7,264.57	89.11	251.88	-90.17	1,969.02	-5,863.79	9,171.56	8,875.20	296.36	30.947		
10,300.00	7,231.68	7,264.68	7,264.68	91.77	251.89	-90.17	1,969.02	-5,863.79	9,265.42	8,968.60	296.82	31.216		
10,400.00	7,231.78	7,264.78	7,264.78	94.45	251.89	-90.17	1,969.02	-5,863.79	9,359.40	9,062.13	297.27	31.485		
10,500.00	7,231.89	7,264.89	7,264.89	97.14	251.89	-90.17	1,969.02	-5,863.79	9,453.51	9,155.79	297.72	31.753		
10,600.00	7,232.00	7,265.00	7,265.00	99.83	251.90	-90.17	1,969.02	-5,863.79	9,547.74	9,249.58	298.16	32.022		
10,700.00	7,232.10	7,265.10	7,265.10	102.53	251.90	-90.18	1,969.02	-5,863.79	9,642.09	9,343.48	298.61	32.290		
10,800.00	7,232.21	7,265.21	7,265.21	105.25	251.90	-90.18	1,969.02	-5,863.79	9,736.54	9,437.50	299.05	32.559		
10,900.00	7,232.32	7,265.32	7,265.32	107.96	251.91	-90.18	1,969.02	-5,863.79	9,831.11	9,531.63	299.48	32.827		
11,000.00	7,232.42	7,265.42	7,265.42	110.69	251.91	-90.18	1,969.02	-5,863.79	9,925.79	9,625.87	299.92	33.095		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15,748.58	7,060.92	3.28	285.16	-1.25	1,661.40	-36.15	7,298.62					
100.00	100.00	15,748.54	7,060.92	3.28	285.16	-1.25	1,661.39	-36.19	7,201.28	7,082.33	118.95	60.538		
200.00	200.00	15,748.50	7,060.92	3.34	285.16	-1.25	1,661.39	-36.23	7,104.02	6,984.66	119.35	59.520		
300.00	299.98	15,748.10	7,060.92	3.44	285.15	166.79	1,661.38	-36.62	7,007.25	6,887.45	119.80	58.489		
400.00	399.84	15,747.01	7,060.92	3.59	285.11	168.20	1,661.36	-37.72	6,911.51	6,791.16	120.34	57.432		
500.00	499.45	15,745.22	7,060.92	3.79	285.05	169.29	1,661.32	-39.51	6,816.94	6,695.97	120.98	56.349		
600.00	598.70	15,742.73	7,060.92	4.03	284.97	170.15	1,661.26	-41.99	6,723.74	6,602.02	121.72	55.240		
700.00	697.47	15,739.57	7,060.92	4.31	284.87	170.84	1,661.19	-45.16	6,632.05	6,509.48	122.57	54.107		
800.00	795.62	15,735.73	7,060.92	4.64	284.74	171.40	1,661.10	-48.99	6,542.06	6,418.51	123.55	52.951		
900.00	893.06	15,735.82	7,060.92	5.00	284.74	171.94	1,661.08	-48.90	6,453.95	6,329.23	124.72	51.748		
1,000.00	989.64	15,728.44	7,060.93	5.40	284.50	172.28	1,660.94	-56.28	6,367.92	6,241.99	125.93	50.567		
1,100.00	1,085.27	15,720.09	7,060.93	5.83	284.23	172.55	1,660.78	-64.63	6,284.14	6,156.86	127.28	49.372		
1,200.00	1,179.82	15,710.77	7,060.94	6.29	283.92	172.76	1,660.60	-73.95	6,202.80	6,074.02	128.79	48.164		
1,235.00	1,212.63	15,707.27	7,060.94	6.46	283.80	172.82	1,660.54	-77.45	6,174.95	6,045.61	129.34	47.741		
1,300.00	1,273.43	15,700.66	7,060.94	6.79	283.59	172.72	1,660.40	-84.05	6,123.65	5,993.22	130.44	46.947		
1,400.00	1,366.98	15,690.46	7,060.95	7.30	283.25	172.57	1,660.20	-94.25	6,045.24	5,913.04	132.20	45.728		
1,500.00	1,460.52	15,680.22	7,060.95	7.84	282.92	172.42	1,659.98	-104.49	5,967.46	5,833.40	134.06	44.515		
1,600.00	1,554.07	15,669.94	7,060.96	8.38	282.58	172.26	1,659.76	-114.77	5,890.33	5,754.32	136.01	43.309		
1,700.00	1,647.61	15,659.62	7,060.96	8.93	282.24	172.11	1,659.54	-125.09	5,813.88	5,675.83	138.05	42.115		
1,800.00	1,741.16	15,649.25	7,060.97	9.49	281.90	171.95	1,659.30	-135.45	5,738.13	5,597.95	140.19	40.932		
1,900.00	1,834.70	15,638.85	7,060.98	10.06	281.56	171.79	1,659.06	-145.85	5,663.13	5,520.71	142.42	39.764		
2,000.00	1,928.25	15,628.40	7,060.98	10.63	281.21	171.64	1,658.82	-156.30	5,588.89	5,444.14	144.74	38.612		
2,100.00	2,021.79	15,618.97	7,060.99	11.21	280.90	171.49	1,658.59	-166.72	5,515.44	5,368.26	147.18	37.473		
2,200.00	2,115.33	15,609.58	7,060.99	11.79	280.59	171.35	1,658.36	-177.11	5,442.83	5,293.11	149.72	36.353		
2,300.00	2,208.88	15,600.19	7,061.00	12.37	280.29	171.21	1,658.14	-184.50	5,371.08	5,218.73	152.35	35.255		
2,400.00	2,302.42	15,590.79	7,061.00	12.96	279.98	171.07	1,657.91	-193.89	5,300.23	5,145.15	155.07	34.179		
2,500.00	2,395.97	15,581.40	7,061.01	13.55	279.67	170.93	1,657.69	-203.29	5,230.31	5,072.42	157.89	33.126		
2,600.00	2,489.51	15,572.00	7,061.01	14.14	279.36	170.79	1,657.46	-212.68	5,161.37	5,000.57	160.80	32.099		
2,700.00	2,583.06	15,562.59	7,061.02	14.74	279.05	170.64	1,657.23	-222.08	5,093.44	4,929.65	163.79	31.097		
2,800.00	2,676.60	15,553.19	7,061.02	15.34	278.74	170.50	1,657.01	-231.49	5,026.57	4,859.69	166.88	30.121		
2,900.00	2,770.14	15,547.24	7,061.02	15.93	278.55	170.41	1,656.86	-237.43	4,960.78	4,790.66	170.13	29.160		
3,000.00	2,863.69	15,534.50	7,061.03	16.53	278.13	170.22	1,656.55	-250.17	4,896.15	4,722.84	173.31	28.251		
3,100.00	2,957.23	15,521.76	7,061.03	17.13	277.71	170.03	1,656.24	-262.91	4,832.70	4,656.12	176.58	27.369		
3,200.00	3,050.78	15,509.01	7,061.04	17.74	277.29	169.83	1,655.91	-275.66	4,770.47	4,590.55	179.92	26.515		
3,300.00	3,144.32	15,496.24	7,061.03	18.34	276.87	169.64	1,655.58	-288.41	4,709.52	4,526.19	183.33	25.688		
3,400.00	3,237.87	15,483.47	7,061.03	18.94	276.45	169.45	1,655.23	-301.18	4,649.90	4,463.08	186.82	24.890		
3,500.00	3,331.41	15,470.69	7,061.02	19.55	276.03	169.25	1,654.87	-313.96	4,591.65	4,401.28	190.37	24.119		
3,600.00	3,424.96	15,457.90	7,061.00	20.15	275.62	169.06	1,654.49	-326.74	4,534.84	4,340.85	193.99	23.377		
3,666.72	3,487.37	15,449.36	7,060.99	20.56	275.33	168.93	1,654.24	-335.28	4,497.75	4,301.32	196.43	22.898		
3,700.00	3,518.57	15,445.16	7,060.99	20.76	275.20	168.78	1,654.11	-339.47	4,479.35	4,281.69	197.65	22.662		
3,800.00	3,613.09	15,435.34	7,060.97	21.34	274.88	168.36	1,653.81	-349.29	4,423.17	4,221.79	201.38	21.965		
3,900.00	3,708.70	15,427.14	7,060.96	21.90	274.61	167.94	1,653.55	-357.49	4,365.69	4,160.60	205.09	21.286		
4,000.00	3,805.27	15,419.83	7,060.95	22.44	274.37	167.51	1,653.32	-364.79	4,306.94	4,098.16	208.78	20.629		
4,100.00	3,902.69	15,413.45	7,060.95	22.95	274.16	167.08	1,653.12	-371.17	4,246.94	4,034.50	212.44	19.991		
4,200.00	4,000.84	15,408.02	7,060.94	23.43	273.98	166.63	1,652.94	-376.60	4,185.71	3,969.64	216.07	19.372		
4,300.00	4,099.59	15,403.54	7,060.94	23.89	273.83	166.18	1,652.80	-381.07	4,123.28	3,903.62	219.66	18.771		
4,400.00	4,198.84	15,400.05	7,060.94	24.32	273.72	165.71	1,652.68	-384.56	4,059.69	3,836.46	223.22	18.187		
4,500.00	4,298.45	15,397.55	7,060.93	24.73	273.64	165.24	1,652.60	-387.06	3,994.94	3,768.19	226.75	17.618		
4,600.00	4,398.30	15,396.06	7,060.93	25.11	273.59	164.76	1,652.55	-388.55	3,929.07	3,698.83	230.24	17.065		
4,701.72	4,500.00	15,395.59	7,060.93	25.45	273.57	-1.92	1,652.54	-389.02	3,860.95	3,627.20	233.75	16.517		
4,800.00	4,598.28	15,395.65	7,060.93	25.74	273.57	-1.92	1,652.54	-388.96	3,795.28	3,558.15	237.13	16.005		
4,900.00	4,698.28	15,395.71	7,060.93	26.04	273.58	-1.91	1,652.54	-388.90	3,729.94	3,489.32	240.62	15.501		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	15,395.77	7,060.93	26.34	273.58	-1.91	1,652.54	-388.84	3,666.16	3,422.00	244.15	15.016		
5,100.00	4,898.28	15,395.83	7,060.93	26.65	273.58	-1.91	1,652.54	-388.78	3,604.02	3,356.30	247.72	14.549		
5,200.00	4,998.28	15,395.89	7,060.93	26.96	273.58	-1.91	1,652.55	-388.72	3,543.62	3,292.29	251.33	14.100		
5,300.00	5,098.28	15,395.95	7,060.93	27.27	273.58	-1.91	1,652.55	-388.66	3,485.04	3,230.09	254.95	13.670		
5,400.00	5,198.28	15,396.01	7,060.93	27.59	273.59	-1.91	1,652.55	-388.60	3,428.38	3,169.80	258.57	13.259		
5,500.00	5,298.28	15,396.07	7,060.93	27.91	273.59	-1.91	1,652.55	-388.54	3,373.73	3,111.53	262.19	12.867		
5,600.00	5,398.28	15,396.13	7,060.93	28.23	273.59	-1.91	1,652.55	-388.48	3,321.19	3,055.40	265.79	12.495		
5,700.00	5,498.28	15,396.19	7,060.93	28.56	273.59	-1.90	1,652.56	-388.42	3,270.87	3,001.51	269.36	12.143		
5,800.00	5,598.28	15,396.25	7,060.93	28.89	273.59	-1.90	1,652.56	-388.36	3,222.86	2,950.00	272.86	11.811		
5,900.00	5,698.28	15,396.31	7,060.93	29.22	273.60	-1.90	1,652.56	-388.30	3,177.28	2,900.98	276.30	11.499		
6,000.00	5,798.28	15,396.38	7,060.93	29.56	273.60	-1.90	1,652.56	-388.24	3,134.23	2,854.59	279.64	11.208		
6,100.00	5,898.28	15,396.44	7,060.93	29.90	273.60	-1.90	1,652.56	-388.17	3,093.81	2,810.95	282.86	10.938		
6,200.00	5,998.28	15,396.50	7,060.93	30.24	273.60	-1.90	1,652.57	-388.11	3,056.13	2,770.19	285.94	10.688		
6,300.00	6,098.28	15,396.56	7,060.93	30.58	273.60	-1.90	1,652.57	-388.05	3,021.29	2,732.43	288.86	10.459		
6,400.00	6,198.28	15,396.63	7,060.93	30.92	273.61	-1.90	1,652.57	-387.99	2,989.39	2,697.80	291.60	10.252		
6,500.00	6,298.28	15,396.69	7,060.93	31.27	273.61	-1.89	1,652.57	-387.92	2,960.53	2,666.41	294.12	10.066		
6,600.00	6,398.28	15,396.75	7,060.93	31.62	273.61	-1.89	1,652.57	-387.86	2,934.79	2,638.38	296.41	9.901		
6,700.00	6,498.28	15,396.82	7,060.93	31.97	273.61	-1.89	1,652.58	-387.79	2,912.26	2,613.81	298.45	9.758		
6,794.10	6,592.38	15,396.88	7,060.93	32.31	273.61	-1.89	1,652.58	-387.73	2,894.06	2,593.94	300.12	9.643		
6,800.00	6,598.28	15,396.91	7,060.93	32.33	273.62	-91.80	1,652.58	-387.70	2,893.02	2,592.80	300.22	9.636		
6,850.00	6,648.21	15,399.72	7,060.94	32.51	273.71	-92.50	1,652.67	-384.89	2,884.73	2,583.64	301.08	9.581		
6,900.00	6,697.79	15,407.02	7,060.94	32.69	273.95	-93.02	1,652.91	-377.59	2,877.44	2,575.43	302.02	9.527		
6,950.00	6,746.73	15,418.79	7,060.95	32.86	274.33	-93.35	1,653.29	-365.84	2,871.19	2,568.17	303.02	9.475		
7,000.00	6,794.71	15,434.96	7,060.97	33.03	274.86	-93.51	1,653.80	-349.67	2,865.96	2,561.87	304.09	9.425		
7,050.00	6,841.44	15,456.71	7,061.00	33.20	275.58	-93.49	1,654.46	-327.93	2,861.73	2,556.46	305.27	9.374		
7,100.00	6,886.64	15,483.62	7,061.03	33.35	276.46	-93.30	1,655.23	-301.03	2,858.43	2,551.88	306.55	9.324		
7,150.00	6,930.03	15,514.84	7,061.04	33.50	277.48	-92.97	1,656.06	-269.82	2,856.00	2,548.08	307.92	9.275		
7,200.00	6,971.33	15,550.17	7,061.02	33.64	278.64	-92.54	1,656.92	-234.51	2,854.33	2,544.97	309.36	9.227		
7,250.00	7,010.30	15,578.64	7,061.01	33.77	279.58	-92.18	1,657.62	-206.05	2,853.40	2,542.95	310.46	9.191		
7,300.00	7,046.69	15,613.25	7,060.99	33.89	280.72	-91.70	1,658.45	-171.45	2,853.12	2,541.37	311.74	9.152		
7,300.02	7,046.70	15,613.26	7,060.99	33.89	280.72	-91.70	1,658.45	-171.43	2,853.12	2,541.37	311.74	9.152 CC		
7,350.00	7,080.28	15,654.35	7,060.97	34.00	282.07	-91.12	1,659.42	-130.36	2,853.35	2,540.10	313.25	9.109		
7,400.00	7,110.86	15,700.84	7,060.94	34.11	283.59	-90.50	1,660.41	-83.88	2,853.95	2,538.99	314.96	9.061		
7,450.00	7,138.25	15,737.28	7,060.92	34.21	284.79	-90.01	1,661.14	-47.44	2,854.82	2,538.56	316.27	9.027		
7,500.00	7,162.27	15,766.22	7,060.91	34.32	285.74	-89.62	1,661.85	-18.51	2,856.13	2,538.84	317.28	9.002		
7,550.00	7,182.77	15,796.30	7,060.89	34.43	286.73	-89.22	1,662.74	11.55	2,857.81	2,539.44	318.38	8.976		
7,600.00	7,199.64	15,843.24	7,060.88	34.57	288.27	-88.73	1,664.35	58.47	2,859.77	2,539.57	320.19	8.931		
7,650.00	7,212.76	15,913.03	7,060.91	34.76	290.56	-88.21	1,666.37	128.23	2,861.46	2,538.47	322.99	8.859		
7,700.00	7,222.06	15,962.62	7,060.98	35.02	292.19	-87.90	1,667.54	177.81	2,862.82	2,537.78	325.04	8.808		
7,750.00	7,227.47	16,000.26	7,061.02	35.37	293.43	-87.70	1,668.56	215.43	2,864.23	2,537.56	326.67	8.768		
7,793.42	7,229.00	16,033.18	7,061.05	35.74	294.51	-87.56	1,669.58	248.34	2,865.49	2,537.35	328.14	8.732		
7,800.00	7,229.01	16,041.23	7,061.05	35.80	294.77	-87.56	1,669.84	256.38	2,865.69	2,537.19	328.49	8.724		
7,900.00	7,229.11	16,163.62	7,061.08	36.91	298.80	-87.56	1,673.31	378.72	2,868.20	2,534.25	333.95	8.589 ES		
8,000.00	7,229.22	16,175.00	7,061.08	38.28	299.17	-87.56	1,673.61	390.10	2,871.71	2,536.74	334.97	8.573 SF		
8,100.00	7,229.33	16,175.00	7,061.08	39.83	299.17	-87.56	1,673.61	390.10	2,878.65	2,543.34	335.31	8.585		
8,200.00	7,229.43	16,175.00	7,061.08	41.53	299.17	-87.56	1,673.61	390.10	2,889.04	2,553.62	335.42	8.613		
8,300.00	7,229.54	16,175.00	7,061.08	43.36	299.17	-87.56	1,673.61	390.10	2,902.84	2,567.56	335.28	8.658		
8,400.00	7,229.65	16,175.00	7,061.08	45.30	299.17	-87.56	1,673.61	390.10	2,920.00	2,585.12	334.88	8.720		
8,500.00	7,229.75	16,175.00	7,061.08	47.33	299.17	-87.56	1,673.61	390.10	2,940.46	2,606.24	334.22	8.798		
8,600.00	7,229.86	16,175.00	7,061.08	49.45	299.17	-87.56	1,673.61	390.10	2,964.16	2,630.85	333.31	8.893		
8,700.00	7,229.97	16,175.00	7,061.08	51.64	299.17	-87.56	1,673.61	390.10	2,991.01	2,658.87	332.14	9.005		
8,800.00	7,230.07	16,175.00	7,061.08	53.89	299.17	-87.56	1,673.61	390.10	3,020.94	2,690.20	330.74	9.134		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	16,175.00	7,061.08	56.19	299.17	-87.56	1,673.61	390.10	3,053.84	2,724.74	329.10	9.279		
9,000.00	7,230.29	16,175.00	7,061.08	58.55	299.17	-87.56	1,673.61	390.10	3,089.64	2,762.38	327.26	9.441		
9,100.00	7,230.39	16,175.00	7,061.08	60.94	299.17	-87.56	1,673.61	390.10	3,128.23	2,803.01	325.22	9.619		
9,200.00	7,230.50	16,175.00	7,061.08	63.38	299.17	-87.56	1,673.61	390.10	3,169.50	2,846.50	323.00	9.813		
9,300.00	7,230.61	16,175.00	7,061.08	65.85	299.17	-87.56	1,673.61	390.10	3,213.35	2,892.73	320.63	10.022		
9,400.00	7,230.72	16,175.00	7,061.08	68.35	299.17	-87.56	1,673.61	390.10	3,259.68	2,941.57	318.11	10.247		
9,500.00	7,230.82	16,175.00	7,061.08	70.87	299.17	-87.56	1,673.61	390.10	3,308.39	2,992.92	315.47	10.487		
9,600.00	7,230.93	16,175.00	7,061.08	73.42	299.17	-87.56	1,673.61	390.10	3,359.37	3,046.64	312.74	10.742		
9,700.00	7,231.04	16,175.00	7,061.08	75.99	299.17	-87.56	1,673.61	390.10	3,412.52	3,102.61	309.91	11.011		
9,800.00	7,231.14	16,175.00	7,061.08	78.59	299.17	-87.56	1,673.61	390.10	3,467.74	3,160.72	307.01	11.295		
9,900.00	7,231.25	16,175.00	7,061.08	81.19	299.17	-87.56	1,673.61	390.10	3,524.93	3,220.86	304.06	11.593		
10,000.00	7,231.36	16,175.00	7,061.08	83.82	299.17	-87.56	1,673.61	390.10	3,584.00	3,282.92	301.07	11.904		
10,100.00	7,231.46	16,175.00	7,061.08	86.46	299.17	-87.56	1,673.61	390.10	3,644.85	3,346.80	298.06	12.229		
10,200.00	7,231.57	16,175.00	7,061.08	89.11	299.17	-87.56	1,673.61	390.10	3,707.41	3,412.38	295.02	12.566		
10,300.00	7,231.68	16,175.00	7,061.08	91.77	299.17	-87.56	1,673.61	390.10	3,771.58	3,479.59	291.99	12.917		
10,400.00	7,231.78	16,175.00	7,061.08	94.45	299.17	-87.56	1,673.61	390.10	3,837.28	3,548.33	288.95	13.280		
10,500.00	7,231.89	16,175.00	7,061.08	97.14	299.17	-87.56	1,673.61	390.10	3,904.44	3,618.50	285.93	13.655		
10,600.00	7,232.00	16,175.00	7,061.08	99.83	299.17	-87.56	1,673.61	390.10	3,972.98	3,690.05	282.93	14.042		
10,700.00	7,232.10	16,175.00	7,061.08	102.53	299.17	-87.56	1,673.61	390.10	4,042.83	3,762.87	279.96	14.441		
10,800.00	7,232.21	16,175.00	7,061.08	105.25	299.17	-87.56	1,673.61	390.10	4,113.92	3,836.91	277.01	14.851		
10,900.00	7,232.32	16,175.00	7,061.08	107.96	299.17	-87.56	1,673.61	390.10	4,186.20	3,912.09	274.11	15.272		
11,000.00	7,232.42	16,175.00	7,061.08	110.69	299.17	-87.56	1,673.61	390.10	4,259.60	3,988.36	271.24	15.704		
11,100.00	7,232.53	16,175.00	7,061.08	113.42	299.17	-87.56	1,673.61	390.10	4,334.07	4,065.64	268.42	16.146		
11,200.00	7,232.64	16,175.00	7,061.08	116.16	299.17	-87.56	1,673.61	390.10	4,409.54	4,143.89	265.65	16.599		
11,300.00	7,232.74	16,175.00	7,061.08	118.90	299.17	-87.56	1,673.61	390.10	4,485.97	4,223.05	262.93	17.062		
11,400.00	7,232.85	16,175.00	7,061.08	121.65	299.17	-87.56	1,673.61	390.10	4,563.32	4,303.06	260.25	17.534		
11,500.00	7,232.96	16,175.00	7,061.08	124.41	299.17	-87.56	1,673.61	390.10	4,641.53	4,383.89	257.63	18.016		
11,600.00	7,233.06	16,175.00	7,061.08	127.16	299.17	-87.56	1,673.61	390.10	4,720.56	4,465.49	255.07	18.507		
11,700.00	7,233.17	16,175.00	7,061.08	129.92	299.17	-87.56	1,673.61	390.10	4,800.38	4,547.82	252.56	19.007		
11,800.00	7,233.28	16,175.00	7,061.08	132.69	299.17	-87.56	1,673.61	390.10	4,880.94	4,630.84	250.10	19.516		
11,900.00	7,233.38	16,175.00	7,061.08	135.46	299.17	-87.56	1,673.61	390.10	4,962.20	4,714.51	247.70	20.033		
12,000.00	7,233.49	16,175.00	7,061.08	138.23	299.17	-87.56	1,673.61	390.10	5,044.14	4,798.79	245.35	20.559		
12,100.00	7,233.60	16,175.00	7,061.08	141.01	299.17	-87.56	1,673.61	390.10	5,126.72	4,883.67	243.05	21.093		
12,200.00	7,233.71	16,175.00	7,061.08	143.79	299.17	-87.56	1,673.61	390.10	5,209.91	4,969.10	240.81	21.635		
12,300.00	7,233.81	16,175.00	7,061.08	146.57	299.17	-87.56	1,673.61	390.10	5,293.69	5,055.06	238.63	22.184		
12,400.00	7,233.92	16,175.00	7,061.08	149.35	299.17	-87.56	1,673.61	390.10	5,378.01	5,141.52	236.49	22.741		
12,500.00	7,234.03	16,175.00	7,061.08	152.14	299.17	-87.56	1,673.61	390.10	5,462.87	5,228.46	234.41	23.304		
12,600.00	7,234.13	16,175.00	7,061.08	154.93	299.17	-87.56	1,673.61	390.10	5,548.23	5,315.85	232.38	23.875		
12,700.00	7,234.24	16,175.00	7,061.08	157.72	299.17	-87.56	1,673.61	390.10	5,634.07	5,403.67	230.40	24.453		
12,800.00	7,234.35	16,175.00	7,061.08	160.52	299.17	-87.56	1,673.61	390.10	5,720.38	5,491.90	228.47	25.037		
12,900.00	7,234.45	16,175.00	7,061.08	163.31	299.17	-87.56	1,673.61	390.10	5,807.12	5,580.53	226.59	25.628		
13,000.00	7,234.56	16,175.00	7,061.08	166.11	299.17	-87.56	1,673.61	390.10	5,894.28	5,669.52	224.76	26.225		
13,100.00	7,234.67	16,175.00	7,061.08	168.91	299.17	-87.56	1,673.61	390.10	5,981.84	5,758.87	222.97	26.828		
13,200.00	7,234.77	16,175.00	7,061.08	171.71	299.17	-87.56	1,673.61	390.10	6,069.79	5,848.56	221.23	27.437		
13,300.00	7,234.88	16,175.00	7,061.08	174.52	299.17	-87.56	1,673.61	390.10	6,158.11	5,938.58	219.53	28.051		
13,400.00	7,234.99	16,175.00	7,061.08	177.32	299.17	-87.56	1,673.61	390.10	6,246.77	6,028.90	217.87	28.672		
13,500.00	7,235.09	16,175.00	7,061.08	180.13	299.17	-87.56	1,673.61	390.10	6,335.78	6,119.52	216.26	29.297		
13,600.00	7,235.20	16,175.00	7,061.08	182.94	299.17	-87.56	1,673.61	390.10	6,425.11	6,210.42	214.69	29.927		
13,700.00	7,235.31	16,175.00	7,061.08	185.74	299.17	-87.56	1,673.61	390.10	6,514.75	6,301.59	213.16	30.563		
13,800.00	7,235.41	16,175.00	7,061.08	188.56	299.17	-87.56	1,673.61	390.10	6,604.68	6,393.02	211.67	31.203		
13,900.00	7,235.52	16,175.00	7,061.08	191.37	299.17	-87.56	1,673.61	390.10	6,694.91	6,484.70	210.21	31.849		
14,000.00	7,235.63	16,175.00	7,061.08	194.18	299.17	-87.56	1,673.61	390.10	6,785.40	6,576.61	208.79	32.498		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	16,175.00	7,061.08	197.00	299.17	-87.56	1,673.61	390.10	6,876.16	6,668.75	207.41	33.152		
14,200.00	7,235.84	16,175.00	7,061.08	199.81	299.17	-87.56	1,673.61	390.10	6,967.17	6,761.11	206.07	33.810		
14,300.00	7,235.95	16,175.00	7,061.08	202.63	299.17	-87.56	1,673.61	390.10	7,058.43	6,853.68	204.75	34.473		
14,400.00	7,236.05	16,175.00	7,061.08	205.44	299.17	-87.56	1,673.61	390.10	7,149.92	6,946.44	203.48	35.139		
14,500.00	7,236.16	16,175.00	7,061.08	208.26	299.17	-87.56	1,673.61	390.10	7,241.63	7,039.41	202.23	35.809		
14,600.00	7,236.27	16,175.00	7,061.08	211.08	299.17	-87.56	1,673.61	390.10	7,333.57	7,132.55	201.01	36.483		
14,700.00	7,236.37	16,175.00	7,061.08	213.90	299.17	-87.56	1,673.61	390.10	7,425.71	7,225.88	199.83	37.160		
14,800.00	7,236.48	16,175.00	7,061.08	216.72	299.17	-87.56	1,673.61	390.10	7,518.05	7,319.37	198.68	37.841		
14,900.00	7,236.59	16,175.00	7,061.08	219.55	299.17	-87.56	1,673.61	390.10	7,610.58	7,413.03	197.55	38.525		
15,000.00	7,236.69	16,175.00	7,061.08	222.37	299.17	-87.56	1,673.61	390.10	7,703.30	7,506.85	196.45	39.212		
15,100.00	7,236.80	16,175.00	7,061.08	225.19	299.17	-87.56	1,673.61	390.10	7,796.20	7,600.82	195.38	39.902		
15,200.00	7,236.91	16,175.00	7,061.08	228.02	299.17	-87.56	1,673.61	390.10	7,889.28	7,694.94	194.34	40.595		
15,300.00	7,237.02	16,175.00	7,061.08	230.84	299.17	-87.56	1,673.61	390.10	7,982.52	7,789.20	193.32	41.291		
15,400.00	7,237.12	16,175.00	7,061.08	233.67	299.17	-87.56	1,673.61	390.10	8,075.92	7,883.59	192.33	41.990		
15,500.00	7,237.23	16,175.00	7,061.08	236.50	299.17	-87.56	1,673.61	390.10	8,169.48	7,978.12	191.36	42.691		
15,600.00	7,237.34	16,175.00	7,061.08	239.32	299.17	-87.56	1,673.61	390.10	8,263.19	8,072.77	190.42	43.395		
15,700.00	7,237.44	16,175.00	7,061.08	242.15	299.17	-87.56	1,673.61	390.10	8,357.05	8,167.55	189.50	44.101		
15,800.00	7,237.55	16,175.00	7,061.08	244.98	299.17	-87.56	1,673.61	390.10	8,451.05	8,262.44	188.60	44.809		
15,900.00	7,237.66	16,175.00	7,061.08	247.81	299.17	-87.56	1,673.61	390.10	8,545.18	8,357.45	187.73	45.519		
16,000.00	7,237.76	16,175.00	7,061.08	250.64	299.17	-87.56	1,673.61	390.10	8,639.45	8,452.57	186.87	46.232		
16,100.00	7,237.87	16,175.00	7,061.08	253.47	299.17	-87.56	1,673.61	390.10	8,733.84	8,547.80	186.04	46.947		
16,200.00	7,237.98	16,175.00	7,061.08	256.30	299.17	-87.56	1,673.61	390.10	8,828.35	8,643.13	185.22	47.663		
16,300.00	7,238.08	16,175.00	7,061.08	259.13	299.17	-87.56	1,673.61	390.10	8,922.99	8,738.56	184.43	48.381		
16,400.00	7,238.19	16,175.00	7,061.08	261.96	299.17	-87.56	1,673.61	390.10	9,017.74	8,834.09	183.66	49.101		
16,500.00	7,238.30	16,175.00	7,061.08	264.79	299.17	-87.56	1,673.61	390.10	9,112.61	8,929.70	182.90	49.822		
16,600.00	7,238.40	16,175.00	7,061.08	267.63	299.17	-87.56	1,673.61	390.10	9,207.58	9,025.41	182.16	50.545		
16,700.00	7,238.51	16,175.00	7,061.08	270.46	299.17	-87.56	1,673.61	390.10	9,302.66	9,121.21	181.44	51.270		
16,800.00	7,238.62	16,175.00	7,061.08	273.29	299.17	-87.56	1,673.61	390.10	9,397.84	9,217.09	180.74	51.996		
16,900.00	7,238.72	16,175.00	7,061.08	276.13	299.17	-87.56	1,673.61	390.10	9,493.12	9,313.06	180.06	52.723		
17,000.00	7,238.83	16,175.00	7,061.08	278.96	299.17	-87.56	1,673.61	390.10	9,588.49	9,409.10	179.39	53.451		
17,100.00	7,238.94	16,175.00	7,061.08	281.80	299.17	-87.56	1,673.61	390.10	9,683.96	9,505.23	178.73	54.181		
17,200.00	7,239.04	16,175.00	7,061.08	284.63	299.17	-87.56	1,673.61	390.10	9,779.52	9,601.42	178.10	54.911		
17,300.00	7,239.15	16,175.00	7,061.08	287.47	299.17	-87.56	1,673.61	390.10	9,875.17	9,697.69	177.48	55.643		
17,400.00	7,239.26	16,175.00	7,061.08	290.30	299.17	-87.56	1,673.61	390.10	9,970.90	9,794.03	176.87	56.375		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,239.00	2,159.58	3.28	14.67	-70.75	2,820.90	-8,079.49	8,836.18					
100.00	100.00	2,295.06	2,212.12	3.28	15.14	-70.85	2,803.14	-8,071.30	8,811.32	8,794.40	16.92	520.637		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-70.91	2,792.52	-8,066.87	8,787.24	8,770.06	17.18	511.589		
300.00	299.98	2,373.46	2,285.58	3.44	15.79	95.67	2,777.71	-8,061.12	8,763.97	8,746.40	17.57	498.807		
400.00	399.84	2,418.00	2,327.31	3.59	16.16	96.06	2,763.08	-8,055.81	8,741.64	8,723.64	18.00	485.606		
500.00	499.45	2,484.75	2,389.85	3.79	16.71	96.41	2,741.01	-8,048.24	8,720.15	8,701.50	18.65	467.646		
600.00	598.70	2,686.00	2,578.52	4.03	18.39	96.65	2,675.20	-8,024.31	8,698.77	8,678.46	20.31	428.324		
700.00	697.47	2,733.92	2,623.47	4.31	18.80	97.05	2,659.74	-8,018.25	8,677.30	8,656.40	20.90	415.134		
800.00	795.62	2,775.00	2,662.03	4.64	19.14	97.44	2,646.43	-8,013.44	8,656.96	8,635.47	21.49	402.869		
900.00	893.06	2,816.05	2,700.57	5.00	19.48	97.81	2,633.03	-8,008.96	8,637.70	8,615.59	22.12	390.533		
1,000.00	989.64	2,865.00	2,746.50	5.40	19.89	98.18	2,616.83	-8,004.01	8,619.52	8,596.67	22.84	377.344		
1,100.00	1,085.27	2,959.19	2,834.84	5.83	20.67	98.53	2,585.45	-7,994.88	8,602.14	8,578.20	23.94	359.328		
1,200.00	1,179.82	3,062.52	2,931.75	6.29	21.54	98.91	2,551.05	-7,984.79	8,585.21	8,560.08	25.14	341.517		
1,235.00	1,212.63	3,091.92	2,959.33	6.46	21.78	99.04	2,541.26	-7,981.93	8,579.42	8,553.91	25.52	336.249		
1,300.00	1,273.43	3,161.69	3,024.77	6.79	22.37	99.07	2,518.05	-7,975.16	8,568.77	8,542.44	26.34	325.360		
1,400.00	1,366.98	1,400.00	3,168.17	7.30	8.01	99.16	2,467.38	-7,959.39	8,551.78	8,537.50	14.28	598.790		
1,500.00	1,460.52	3,378.14	3,227.79	7.84	24.19	99.19	2,446.43	-7,952.69	8,534.78	8,505.86	28.92	295.090		
1,600.00	1,554.07	3,996.89	3,808.01	8.38	29.46	99.66	2,251.58	-7,864.81	8,513.69	8,479.98	33.71	252.529		
1,700.00	1,647.61	4,028.00	3,837.19	8.93	29.73	99.69	2,242.30	-7,859.32	8,491.38	8,456.92	34.46	246.416		
1,800.00	1,741.16	4,064.64	3,871.58	9.49	30.04	99.73	2,231.26	-7,853.19	8,469.79	8,434.53	35.26	240.232		
1,900.00	1,834.70	4,117.00	3,920.77	10.06	30.49	99.77	2,215.15	-7,845.28	8,449.16	8,412.99	36.17	233.617		
2,000.00	1,928.25	4,117.00	3,920.77	10.63	30.49	99.77	2,215.15	-7,845.28	8,429.09	8,392.35	36.74	229.447		
2,100.00	2,021.79	4,176.80	3,976.92	11.21	31.00	99.82	2,196.29	-7,837.10	8,409.78	8,372.05	37.72	222.937		
2,200.00	2,115.33	4,252.65	4,048.04	11.79	31.65	99.87	2,171.78	-7,827.38	8,390.93	8,352.10	38.83	216.099		
2,300.00	2,208.88	4,373.84	4,161.66	12.37	32.69	99.96	2,132.59	-7,811.77	8,372.06	8,331.80	40.26	207.964		
2,400.00	2,302.42	4,700.69	4,468.11	12.96	35.51	100.22	2,029.61	-7,763.89	8,352.30	8,309.26	43.04	194.052		
2,500.00	2,395.97	4,780.68	4,543.09	13.55	36.20	100.29	2,005.17	-7,750.52	8,330.60	8,286.44	44.16	188.651		
2,600.00	2,489.51	4,833.00	4,592.12	14.14	36.65	100.34	1,988.95	-7,742.14	8,309.38	8,264.27	45.10	184.232		
2,700.00	2,583.06	4,910.48	4,664.71	14.74	37.32	100.40	1,964.64	-7,730.15	8,288.54	8,242.32	46.22	179.327		
2,800.00	2,676.60	4,997.29	4,746.02	15.34	38.08	100.48	1,937.22	-7,717.00	8,267.92	8,220.51	47.40	174.415		
2,900.00	2,770.14	5,057.30	4,802.24	15.93	38.60	100.53	1,918.24	-7,708.06	8,247.55	8,199.14	48.41	170.358		
3,000.00	2,863.69	5,113.38	4,854.82	16.53	39.08	100.57	1,900.44	-7,700.05	8,227.70	8,178.30	49.40	166.556		
3,100.00	2,957.23	5,177.39	4,914.86	17.13	39.63	100.62	1,880.09	-7,691.22	8,208.30	8,157.86	50.44	162.733		
3,200.00	3,050.78	5,241.74	4,975.27	17.74	40.19	100.67	1,859.66	-7,682.61	8,189.31	8,137.83	51.48	159.063		
3,300.00	3,144.32	5,310.92	5,040.29	18.34	40.78	100.73	1,837.80	-7,673.60	8,170.72	8,118.16	52.56	155.445		
3,400.00	3,237.87	5,384.38	5,109.26	18.94	41.40	100.78	1,814.27	-7,664.39	8,152.43	8,098.76	53.67	151.887		
3,500.00	3,331.41	5,447.33	5,168.38	19.55	41.94	100.83	1,794.00	-7,656.79	8,134.52	8,079.80	54.72	148.661		
3,600.00	3,424.96	5,524.55	5,240.96	20.15	42.60	100.88	1,769.27	-7,647.72	8,116.98	8,061.12	55.86	145.314		
3,666.72	3,487.37	5,630.29	5,340.41	20.56	43.49	100.96	1,735.63	-7,635.13	8,105.28	8,048.30	56.98	142.243		
3,700.00	3,518.57	3,700.00	5,351.91	20.76	27.16	100.85	1,731.72	-7,633.65	8,099.32	8,055.98	43.34	186.874		
3,800.00	3,613.09	5,689.46	5,396.00	21.34	44.00	100.52	1,716.61	-7,628.18	8,081.37	8,023.17	58.19	138.871		
3,900.00	3,708.70	5,731.17	5,435.21	21.90	44.35	100.17	1,703.07	-7,623.75	8,063.53	8,004.47	59.06	136.524		
4,000.00	3,805.27	5,997.00	5,684.71	22.44	46.62	99.79	1,616.95	-7,592.38	8,043.44	7,982.00	61.44	130.919		
4,100.00	3,902.69	6,058.57	5,742.55	22.95	47.15	99.37	1,597.40	-7,584.44	8,022.74	7,960.34	62.40	128.562		
4,200.00	4,000.84	6,294.21	5,963.74	23.43	49.17	98.82	1,522.12	-7,554.00	8,001.61	7,937.11	64.50	124.065		
4,300.00	4,099.59	6,328.00	5,995.45	23.89	49.46	98.34	1,511.41	-7,549.34	7,978.95	7,913.70	65.25	122.290		
4,400.00	4,198.84	6,355.00	6,020.78	24.32	49.70	97.86	1,502.74	-7,545.88	7,956.58	7,890.65	65.93	120.676		
4,500.00	4,298.45	6,393.22	6,056.65	24.73	50.02	97.36	1,490.33	-7,541.36	7,934.54	7,867.86	66.68	118.990		
4,600.00	4,398.30	6,445.00	6,105.23	25.11	50.47	96.83	1,473.25	-7,535.98	7,912.96	7,845.46	67.51	117.216		
4,701.72	4,500.00	6,445.00	6,105.23	25.45	50.47	-69.78	1,473.25	-7,535.98	7,891.32	7,823.38	67.94	116.156		
4,800.00	4,598.28	6,495.82	6,152.99	25.74	50.89	-69.89	1,456.51	-7,531.31	7,870.99	7,802.32	68.67	114.614		
4,900.00	4,698.28	6,534.00	6,188.96	26.04	51.21	-69.97	1,444.14	-7,528.06	7,851.10	7,781.77	69.33	113.242		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	6,534.00	6,188.96	26.34	51.21	-69.97	1,444.14	-7,528.06	7,832.21	7,762.50	69.71	112.347		
5,100.00	4,898.28	6,534.00	6,188.96	26.65	51.21	-69.97	1,444.14	-7,528.06	7,814.55	7,744.46	70.09	111.487		
5,200.00	4,998.28	6,573.73	6,226.47	26.96	51.52	-70.05	1,431.31	-7,525.47	7,797.41	7,726.65	70.76	110.191		
5,300.00	5,098.28	6,624.00	6,273.97	27.27	51.92	-70.16	1,414.92	-7,524.14	7,782.30	7,710.79	71.51	108.823		
5,400.00	5,198.28	6,624.00	6,273.97	27.59	51.92	-70.16	1,414.92	-7,524.14	7,767.30	7,695.41	71.89	108.050		
5,500.00	5,298.28	6,624.00	6,273.97	27.91	51.92	-70.16	1,414.92	-7,524.14	7,753.55	7,681.30	72.25	107.312		
5,600.00	5,398.28	6,624.00	6,273.97	28.23	51.92	-70.16	1,414.92	-7,524.14	7,741.07	7,668.46	72.61	106.609		
5,700.00	5,498.28	6,624.00	6,273.97	28.56	51.92	-70.16	1,414.92	-7,524.14	7,729.87	7,656.90	72.96	105.941		
5,800.00	5,598.28	6,624.00	6,273.97	28.89	51.92	-70.16	1,414.92	-7,524.14	7,719.94	7,646.63	73.31	105.307		
5,900.00	5,698.28	6,624.00	6,273.97	29.22	51.92	-70.16	1,414.92	-7,524.14	7,711.30	7,637.66	73.65	104.708		
6,000.00	5,798.28	6,624.00	6,273.97	29.56	51.92	-70.16	1,414.92	-7,524.14	7,703.95	7,629.97	73.97	104.143		
6,100.00	5,898.28	6,667.55	6,315.11	29.90	52.22	-70.26	1,400.69	-7,525.29	7,696.49	7,621.83	74.66	103.085		
6,200.00	5,998.28	6,714.00	6,358.83	30.24	52.54	-70.38	1,385.61	-7,529.48	7,692.21	7,616.84	75.37	102.054		
6,300.00	6,098.28	6,714.00	6,358.83	30.58	52.54	-70.38	1,385.61	-7,529.48	7,687.64	7,611.96	75.69	101.572		
6,400.00	6,198.28	6,714.00	6,358.83	30.92	52.54	-70.38	1,385.61	-7,529.48	7,684.37	7,608.38	75.99	101.122		
6,500.00	6,298.28	6,714.00	6,358.83	31.27	52.54	-70.38	1,385.61	-7,529.48	7,682.40	7,606.11	76.28	100.707		
6,600.00	6,398.28	6,714.00	6,358.83	31.62	52.54	-70.38	1,385.61	-7,529.48	7,681.73	7,605.16	76.57	100.324		
6,601.56	6,399.83	6,714.00	6,358.83	31.63	52.54	-70.38	1,385.61	-7,529.48	7,681.73	7,605.15	76.57	100.318 CC, ES		
6,700.00	6,498.28	6,714.00	6,358.83	31.97	52.54	-70.38	1,385.61	-7,529.48	7,682.36	7,605.51	76.84	99.974		
6,794.10	6,592.38	6,714.00	6,358.83	32.31	52.54	-70.38	1,385.61	-7,529.48	7,684.14	7,607.05	77.09	99.674		
6,800.00	6,598.28	6,714.00	6,358.83	32.33	52.54	-160.19	1,385.61	-7,529.48	7,684.31	7,607.21	77.11	99.657		
6,850.00	6,648.21	6,714.00	6,358.83	32.51	52.54	-160.08	1,385.61	-7,529.48	7,688.05	7,610.81	77.24	99.534		
6,900.00	6,697.79	6,714.00	6,358.83	32.69	52.54	-159.83	1,385.61	-7,529.48	7,695.76	7,618.39	77.37	99.463		
6,950.00	6,746.73	6,714.00	6,358.83	32.86	52.54	-159.46	1,385.61	-7,529.48	7,707.41	7,629.91	77.50	99.447 SF		
7,000.00	6,794.71	6,714.00	6,358.83	33.03	52.54	-158.94	1,385.61	-7,529.48	7,722.89	7,645.26	77.63	99.485		
7,050.00	6,841.44	6,714.00	6,358.83	33.20	52.54	-158.26	1,385.61	-7,529.48	7,742.09	7,664.34	77.75	99.577		
7,100.00	6,886.64	6,714.00	6,358.83	33.35	52.54	-157.39	1,385.61	-7,529.48	7,764.86	7,687.00	77.86	99.722		
7,150.00	6,930.03	6,714.00	6,358.83	33.50	52.54	-156.30	1,385.61	-7,529.48	7,791.04	7,713.07	77.97	99.919		
7,200.00	6,971.33	6,755.12	6,397.32	33.64	52.77	-155.17	1,372.52	-7,535.64	7,819.20	7,740.75	78.46	99.661		
7,250.00	7,010.30	6,757.84	6,399.85	33.77	52.79	-153.54	1,371.67	-7,536.12	7,851.41	7,772.83	78.58	99.915		
7,300.00	7,046.69	6,760.27	6,402.12	33.89	52.80	-151.52	1,370.91	-7,536.57	7,886.39	7,807.69	78.69	100.215		
7,350.00	7,080.28	6,762.41	6,404.12	34.00	52.81	-149.01	1,370.24	-7,536.96	7,923.88	7,845.08	78.80	100.557		
7,400.00	7,110.86	6,803.00	6,441.77	34.11	53.04	-146.20	1,357.80	-7,545.58	7,964.71	7,885.45	79.26	100.487		
7,450.00	7,138.25	6,803.00	6,441.77	34.21	53.04	-142.24	1,357.80	-7,545.58	8,006.35	7,927.01	79.34	100.915		
7,500.00	7,162.27	6,803.00	6,441.77	34.32	53.04	-137.17	1,357.80	-7,545.58	8,049.71	7,970.30	79.41	101.368		
7,550.00	7,182.77	6,803.00	6,441.77	34.43	53.04	-130.64	1,357.80	-7,545.58	8,094.49	8,015.01	79.48	101.840		
7,600.00	7,199.64	6,803.00	6,441.77	34.57	53.04	-122.25	1,357.80	-7,545.58	8,140.40	8,060.85	79.55	102.327		
7,650.00	7,212.76	6,803.00	6,441.77	34.76	53.04	-111.71	1,357.80	-7,545.58	8,187.14	8,107.51	79.62	102.824		
7,700.00	7,222.06	6,803.00	6,441.77	35.02	53.04	-99.17	1,357.80	-7,545.58	8,234.40	8,154.70	79.70	103.324		
7,750.00	7,227.47	6,803.00	6,441.77	35.37	53.04	-85.55	1,357.80	-7,545.58	8,281.89	8,202.12	79.77	103.822		
7,793.42	7,229.00	6,803.00	6,441.77	35.74	53.04	-74.01	1,357.80	-7,545.58	8,323.09	8,243.25	79.84	104.249		
7,800.00	7,229.01	6,803.00	6,441.77	35.80	53.04	-74.01	1,357.80	-7,545.58	8,329.32	8,249.47	79.85	104.314		
7,900.00	7,229.11	6,803.00	6,441.77	36.91	53.04	-74.01	1,357.80	-7,545.58	8,424.07	8,344.05	80.02	105.273		
8,000.00	7,229.22	6,803.00	6,441.77	38.28	53.04	-74.01	1,357.80	-7,545.58	8,518.94	8,438.73	80.21	106.208		
8,100.00	7,229.33	6,803.00	6,441.77	39.83	53.04	-74.01	1,357.80	-7,545.58	8,613.92	8,533.51	80.41	107.121		
8,200.00	7,229.43	6,761.33	6,403.11	41.53	52.81	-73.30	1,370.58	-7,536.76	8,707.77	8,627.52	80.25	108.506		
8,300.00	7,229.54	6,759.87	6,401.75	43.36	52.80	-73.27	1,371.03	-7,536.49	8,802.89	8,722.42	80.47	109.393		
8,400.00	7,229.65	6,758.44	6,400.42	45.30	52.79	-73.25	1,371.48	-7,536.23	8,898.11	8,817.41	80.70	110.260		
8,500.00	7,229.75	6,757.04	6,399.11	47.33	52.78	-73.22	1,371.92	-7,535.98	8,993.44	8,912.49	80.94	111.109		
8,600.00	7,229.86	6,755.67	6,397.83	49.45	52.78	-73.20	1,372.35	-7,535.74	9,088.86	9,007.66	81.19	111.942		
8,700.00	7,229.97	6,714.00	6,358.83	51.64	52.54	-72.50	1,385.61	-7,529.48	9,185.54	9,104.44	81.10	113.259		
8,800.00	7,230.07	6,714.00	6,358.83	53.89	52.54	-72.50	1,385.61	-7,529.48	9,281.07	9,199.69	81.38	114.040		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - Orr State 36N-35C-M - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 20-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,230.18	6,714.00	6,358.83	56.19	52.54	-72.50	1,385.61	-7,529.48	9,376.70	9,295.02	81.67	114.808	
9,000.00	7,230.29	6,714.00	6,358.83	58.55	52.54	-72.50	1,385.61	-7,529.48	9,472.41	9,390.45	81.97	115.563	
9,100.00	7,230.39	6,714.00	6,358.83	60.94	52.54	-72.50	1,385.61	-7,529.48	9,568.22	9,485.95	82.27	116.306	
9,200.00	7,230.50	6,714.00	6,358.83	63.38	52.54	-72.50	1,385.61	-7,529.48	9,664.11	9,581.53	82.57	117.038	
9,300.00	7,230.61	6,714.00	6,358.83	65.85	52.54	-72.50	1,385.61	-7,529.48	9,760.08	9,677.20	82.88	117.760	
9,400.00	7,230.72	6,714.00	6,358.83	68.35	52.54	-72.50	1,385.61	-7,529.48	9,856.13	9,772.93	83.19	118.473	
9,500.00	7,230.82	6,714.00	6,358.83	70.87	52.54	-72.50	1,385.61	-7,529.48	9,952.26	9,868.75	83.51	119.177	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-85.62	568.34	-7,427.17	7,448.90					
100.00	100.00	87.00	87.00	3.28	3.61	-85.62	568.34	-7,427.17	7,448.88	7,441.98	6.90	1,079.675		
200.00	200.00	187.00	187.00	3.34	5.80	-85.62	568.34	-7,427.17	7,448.88	7,439.75	9.14	815.300		
300.00	299.98	286.98	286.98	3.44	8.90	80.57	568.34	-7,427.17	7,448.60	7,436.26	12.34	603.670		
400.00	399.84	386.84	386.84	3.59	12.21	80.63	568.34	-7,427.17	7,447.74	7,431.95	15.80	471.480		
500.00	499.45	486.45	486.45	3.79	15.59	80.72	568.34	-7,427.17	7,446.32	7,426.95	19.37	384.382		
600.00	598.70	585.70	585.70	4.03	18.99	80.85	568.34	-7,427.17	7,444.36	7,421.34	23.02	323.437		
700.00	697.47	684.47	684.47	4.31	22.39	81.02	568.34	-7,427.17	7,441.86	7,415.16	26.71	278.669		
800.00	795.62	782.62	782.62	4.64	25.79	81.22	568.34	-7,427.17	7,438.86	7,408.44	30.42	244.511		
900.00	893.06	880.06	880.06	5.00	29.16	81.46	568.34	-7,427.17	7,435.39	7,401.23	34.16	217.657		
1,000.00	989.64	976.64	976.64	5.40	32.52	81.72	568.34	-7,427.17	7,431.47	7,393.56	37.91	196.030		
1,100.00	1,085.27	1,072.27	1,072.27	5.83	35.84	82.02	568.34	-7,427.17	7,427.15	7,385.49	41.66	178.265		
1,200.00	1,179.82	1,166.82	1,166.82	6.29	39.13	82.35	568.34	-7,427.17	7,422.48	7,377.06	45.42	163.432		
1,235.00	1,212.63	1,200.37	1,199.63	6.46	40.29	82.47	568.34	-7,427.17	7,420.77	7,374.01	46.75	158.723		
1,300.00	1,273.43	1,260.43	1,260.43	6.79	42.38	82.64	568.34	-7,427.17	7,417.59	7,368.42	49.17	150.865		
1,400.00	1,366.98	1,353.98	1,353.98	7.30	45.64	82.89	568.34	-7,427.17	7,412.83	7,359.90	52.94	140.027		
1,500.00	1,460.52	1,447.52	1,447.52	7.84	48.90	83.15	568.34	-7,427.17	7,408.25	7,351.52	56.73	130.597		
1,600.00	1,554.07	1,541.07	1,541.07	8.38	52.16	83.40	568.34	-7,427.17	7,403.82	7,343.30	60.53	122.324		
1,700.00	1,647.61	1,634.61	1,634.61	8.93	55.42	83.65	568.34	-7,427.17	7,399.57	7,335.23	64.34	115.012		
1,800.00	1,741.16	1,728.16	1,728.16	9.49	58.68	83.91	568.34	-7,427.17	7,395.48	7,327.32	68.16	108.506		
1,900.00	1,834.70	1,821.70	1,821.70	10.06	61.94	84.16	568.34	-7,427.17	7,391.56	7,319.57	71.98	102.682		
2,000.00	1,928.25	1,915.25	1,915.25	10.63	65.20	84.42	568.34	-7,427.17	7,387.80	7,311.98	75.82	97.441		
2,100.00	2,021.79	2,008.79	2,008.79	11.21	68.46	84.68	568.34	-7,427.17	7,384.21	7,304.55	79.66	92.700		
2,200.00	2,115.33	2,102.33	2,102.33	11.79	71.72	84.93	568.34	-7,427.17	7,380.79	7,297.29	83.50	88.392		
2,300.00	2,208.88	2,204.12	2,195.88	12.37	75.27	85.19	568.34	-7,427.17	7,377.54	7,289.90	87.64	84.184		
2,400.00	2,302.42	2,289.42	2,289.42	12.96	78.25	85.44	568.34	-7,427.17	7,374.45	7,283.25	91.20	80.861		
2,500.00	2,395.97	2,382.97	2,382.97	13.55	81.51	85.70	568.34	-7,427.17	7,371.54	7,276.48	95.05	77.552		
2,600.00	2,489.51	2,476.51	2,476.51	14.14	84.77	85.96	568.34	-7,427.17	7,368.79	7,269.88	98.91	74.500		
2,700.00	2,583.06	2,570.06	2,570.06	14.74	88.04	86.21	568.34	-7,427.17	7,366.21	7,263.44	102.77	71.678		
2,800.00	2,676.60	2,663.60	2,663.60	15.34	91.30	86.47	568.34	-7,427.17	7,363.80	7,257.17	106.63	69.060		
2,900.00	2,770.14	2,757.14	2,757.14	15.93	94.56	86.73	568.34	-7,427.17	7,361.55	7,251.06	110.49	66.626		
3,000.00	2,863.69	2,850.69	2,850.69	16.53	97.83	86.98	568.34	-7,427.17	7,359.48	7,245.13	114.35	64.357		
3,100.00	2,957.23	2,944.23	2,944.23	17.13	101.09	87.24	568.34	-7,427.17	7,357.58	7,239.36	118.22	62.236		
3,200.00	3,050.78	3,037.78	3,037.78	17.74	104.36	87.50	568.34	-7,427.17	7,355.84	7,233.76	122.09	60.251		
3,300.00	3,144.32	3,131.32	3,131.32	18.34	107.62	87.75	568.34	-7,427.17	7,354.28	7,228.32	125.95	58.388		
3,400.00	3,237.87	3,224.87	3,224.87	18.94	110.88	88.01	568.34	-7,427.17	7,352.88	7,223.06	129.82	56.638		
3,500.00	3,331.41	3,318.41	3,318.41	19.55	114.15	88.27	568.34	-7,427.17	7,351.66	7,217.96	133.69	54.989		
3,600.00	3,424.96	3,411.96	3,411.96	20.15	117.41	88.53	568.34	-7,427.17	7,350.60	7,213.04	137.56	53.435		
3,666.72	3,487.37	3,474.37	3,474.37	20.56	119.59	88.70	568.34	-7,427.17	7,349.99	7,209.85	140.14	52.446		
3,700.00	3,518.57	3,505.57	3,505.57	20.76	120.68	88.78	568.34	-7,427.17	7,349.72	7,208.29	141.43	51.966		
3,800.00	3,613.09	3,600.09	3,600.09	21.34	123.98	89.01	568.34	-7,427.17	7,349.05	7,203.73	145.32	50.572		
3,900.00	3,708.70	3,704.30	3,695.70	21.90	127.61	89.21	568.34	-7,427.17	7,348.58	7,199.06	149.52	49.149		
4,000.00	3,805.27	3,807.73	3,792.27	22.44	131.22	89.40	568.34	-7,427.17	7,348.25	7,194.59	153.66	47.821		
4,100.00	3,902.69	3,889.69	3,889.69	22.95	134.08	89.57	568.34	-7,427.17	7,348.04	7,191.01	157.03	46.793		
4,200.00	4,000.84	3,987.84	3,987.84	23.43	137.51	89.71	568.34	-7,427.17	7,347.92	7,186.98	160.94	45.656		
4,300.00	4,099.59	4,086.59	4,086.59	23.89	140.96	89.83	568.34	-7,427.17	7,347.86	7,183.01	164.85	44.574		
4,400.00	4,198.84	4,185.84	4,185.84	24.32	144.42	89.93	568.34	-7,427.17	7,347.83	7,179.09	168.74	43.544		
4,500.00	4,298.45	4,285.45	4,285.45	24.73	147.90	90.00	568.34	-7,427.17	7,347.83	7,175.20	172.63	42.565		
4,507.10	4,305.53	4,307.47	4,292.53	24.76	148.66	90.00	568.34	-7,427.17	7,347.83	7,174.40	173.42	42.369 CC		
4,600.00	4,398.30	4,385.30	4,385.30	25.11	151.38	90.04	568.34	-7,427.17	7,347.83	7,171.33	176.49	41.632		
4,701.72	4,500.00	4,487.00	4,487.00	25.45	154.93	-76.12	568.34	-7,427.17	7,347.83	7,167.45	180.38	40.735		
4,800.00	4,598.28	4,585.28	4,585.28	25.74	158.36	-76.12	568.34	-7,427.17	7,347.83	7,163.73	184.10	39.912		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,685.28	4,685.28	26.04	161.85	-76.12	568.34	-7,427.17	7,347.83	7,159.94	187.89	39.107		
5,000.00	4,798.28	4,785.28	4,785.28	26.34	165.34	-76.12	568.34	-7,427.17	7,347.83	7,156.15	191.68	38.333		
5,100.00	4,898.28	4,885.28	4,885.28	26.65	168.83	-76.12	568.34	-7,427.17	7,347.83	7,152.35	195.48	37.589		
5,200.00	4,998.28	4,985.28	4,985.28	26.96	172.32	-76.12	568.34	-7,427.17	7,347.83	7,148.55	199.28	36.872		
5,300.00	5,098.28	5,085.28	5,085.28	27.27	175.81	-76.12	568.34	-7,427.17	7,347.83	7,144.75	203.08	36.181		
5,400.00	5,198.28	5,185.28	5,185.28	27.59	179.30	-76.12	568.34	-7,427.17	7,347.83	7,140.94	206.89	35.515		
5,500.00	5,298.28	5,285.28	5,285.28	27.91	182.79	-76.12	568.34	-7,427.17	7,347.83	7,137.13	210.70	34.873		
5,600.00	5,398.28	5,385.28	5,385.28	28.23	186.28	-76.12	568.34	-7,427.17	7,347.83	7,133.31	214.52	34.253		
5,700.00	5,498.28	5,485.28	5,485.28	28.56	189.77	-76.12	568.34	-7,427.17	7,347.83	7,129.50	218.33	33.654		
5,800.00	5,598.28	5,585.28	5,585.28	28.89	193.26	-76.12	568.34	-7,427.17	7,347.83	7,125.68	222.15	33.075		
5,900.00	5,698.28	5,685.28	5,685.28	29.22	196.76	-76.12	568.34	-7,427.17	7,347.83	7,121.85	225.98	32.516		
6,000.00	5,798.28	5,785.28	5,785.28	29.56	200.25	-76.12	568.34	-7,427.17	7,347.83	7,118.03	229.80	31.974		
6,100.00	5,898.28	5,885.28	5,885.28	29.90	203.74	-76.12	568.34	-7,427.17	7,347.83	7,114.20	233.63	31.451		
6,200.00	5,998.28	5,985.28	5,985.28	30.24	207.23	-76.12	568.34	-7,427.17	7,347.83	7,110.37	237.46	30.943		
6,300.00	6,098.28	6,085.28	6,085.28	30.58	210.72	-76.12	568.34	-7,427.17	7,347.83	7,106.53	241.30	30.451		
6,400.00	6,198.28	6,185.28	6,185.28	30.92	214.21	-76.12	568.34	-7,427.17	7,347.83	7,102.70	245.13	29.975		
6,500.00	6,298.28	6,285.28	6,285.28	31.27	217.70	-76.12	568.34	-7,427.17	7,347.83	7,098.86	248.97	29.513		
6,600.00	6,398.28	6,385.28	6,385.28	31.62	221.19	-76.12	568.34	-7,427.17	7,347.83	7,095.02	252.81	29.064		
6,700.00	6,498.28	6,485.28	6,485.28	31.97	224.68	-76.12	568.34	-7,427.17	7,347.83	7,091.18	256.65	28.629		
6,794.10	6,592.38	6,579.38	6,579.38	32.31	227.96	-76.12	568.34	-7,427.17	7,347.83	7,087.56	260.27	28.231		
6,800.00	6,598.28	6,585.28	6,585.28	32.33	228.17	-165.94	568.34	-7,427.17	7,347.86	7,087.36	260.50	28.207 ES		
6,850.00	6,648.21	6,635.21	6,635.21	32.51	229.91	-165.89	568.34	-7,427.17	7,350.21	7,087.79	262.42	28.009		
6,900.00	6,697.79	6,684.79	6,684.79	32.69	231.64	-165.77	568.34	-7,427.17	7,356.36	7,092.02	264.33	27.830		
6,950.00	6,746.73	6,733.73	6,733.73	32.86	233.35	-165.56	568.34	-7,427.17	7,366.26	7,100.04	266.22	27.670		
7,000.00	6,794.71	6,781.71	6,781.71	33.03	235.03	-165.27	568.34	-7,427.17	7,379.85	7,111.79	268.06	27.530		
7,050.00	6,841.44	6,828.44	6,828.44	33.20	236.66	-164.88	568.34	-7,427.17	7,397.06	7,127.21	269.86	27.411		
7,100.00	6,886.64	6,873.64	6,873.64	33.35	238.24	-164.38	568.34	-7,427.17	7,417.78	7,146.19	271.59	27.313		
7,150.00	6,930.03	6,917.03	6,917.03	33.50	239.75	-163.75	568.34	-7,427.17	7,441.88	7,168.63	273.25	27.235		
7,200.00	6,971.33	6,958.33	6,958.33	33.64	241.19	-162.97	568.34	-7,427.17	7,469.22	7,194.39	274.83	27.178		
7,250.00	7,010.30	7,002.70	6,997.30	33.77	242.74	-162.00	568.34	-7,427.17	7,499.62	7,223.12	276.50	27.123 SF		
7,300.00	7,046.69	7,033.69	7,033.69	33.89	243.82	-160.80	568.34	-7,427.17	7,532.91	7,255.22	277.69	27.127		
7,350.00	7,080.28	7,067.28	7,067.28	34.00	245.00	-159.30	568.34	-7,427.17	7,568.88	7,289.91	278.97	27.132		
7,400.00	7,110.86	7,102.14	7,097.86	34.11	246.21	-157.41	568.34	-7,427.17	7,607.31	7,327.04	280.28	27.142		
7,450.00	7,138.25	7,125.25	7,125.25	34.21	247.02	-154.99	568.34	-7,427.17	7,647.97	7,366.81	281.16	27.201		
7,500.00	7,162.27	7,149.27	7,149.27	34.32	247.86	-151.84	568.34	-7,427.17	7,690.61	7,408.54	282.07	27.265		
7,550.00	7,182.77	7,169.77	7,169.77	34.43	248.57	-147.63	568.34	-7,427.17	7,734.96	7,452.11	282.84	27.347		
7,600.00	7,199.64	7,186.64	7,186.64	34.57	249.16	-141.86	568.34	-7,427.17	7,780.75	7,497.27	283.48	27.447		
7,650.00	7,212.76	7,200.24	7,199.76	34.76	249.64	-133.78	568.34	-7,427.17	7,827.70	7,543.71	283.99	27.563		
7,700.00	7,222.06	7,209.06	7,209.06	35.02	249.94	-122.33	568.34	-7,427.17	7,875.53	7,591.20	284.33	27.698		
7,750.00	7,227.47	7,214.47	7,214.47	35.37	250.13	-106.67	568.34	-7,427.17	7,923.94	7,639.39	284.55	27.848		
7,793.42	7,229.00	7,216.00	7,216.00	35.74	250.19	-90.27	568.34	-7,427.17	7,966.22	7,681.60	284.62	27.989		
7,800.00	7,229.01	7,216.01	7,216.01	35.80	250.19	-90.27	568.34	-7,427.17	7,972.63	7,688.01	284.62	28.011		
7,900.00	7,229.11	7,216.11	7,216.11	36.91	250.19	-90.27	568.34	-7,427.17	8,070.12	7,785.45	284.67	28.349		
8,000.00	7,229.22	7,216.22	7,216.22	38.28	250.19	-90.27	568.34	-7,427.17	8,167.67	7,882.95	284.72	28.686		
8,100.00	7,229.33	7,216.33	7,216.33	39.83	250.20	-90.28	568.34	-7,427.17	8,265.29	7,980.50	284.79	29.022		
8,200.00	7,229.43	7,216.43	7,216.43	41.53	250.20	-90.28	568.34	-7,427.17	8,362.95	8,078.09	284.86	29.358		
8,300.00	7,229.54	7,216.54	7,216.54	43.36	250.21	-90.28	568.34	-7,427.17	8,460.68	8,175.73	284.95	29.692		
8,400.00	7,229.65	7,216.65	7,216.65	45.30	250.21	-90.29	568.34	-7,427.17	8,558.45	8,273.42	285.03	30.026		
8,500.00	7,229.75	7,216.75	7,216.75	47.33	250.21	-90.29	568.34	-7,427.17	8,656.28	8,371.15	285.13	30.359		
8,600.00	7,229.86	7,216.86	7,216.86	49.45	250.22	-90.29	568.34	-7,427.17	8,754.15	8,468.92	285.23	30.691		
8,700.00	7,229.97	7,216.97	7,216.97	51.64	250.22	-90.30	568.34	-7,427.17	8,852.07	8,566.73	285.34	31.023		
8,800.00	7,230.07	7,217.07	7,217.07	53.89	250.22	-90.30	568.34	-7,427.17	8,950.04	8,664.59	285.45	31.354		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.00	7,230.18	7,217.18	7,217.18	56.19	250.23	-90.30	568.34	-7,427.17	9,048.05	8,762.48	285.57	31.684	
9,000.00	7,230.29	7,217.29	7,217.29	58.55	250.23	-90.31	568.34	-7,427.17	9,146.11	8,860.42	285.69	32.014	
9,100.00	7,230.39	7,217.39	7,217.39	60.94	250.24	-90.31	568.34	-7,427.17	9,244.21	8,958.39	285.82	32.343	
9,200.00	7,230.50	7,217.50	7,217.50	63.38	250.24	-90.31	568.34	-7,427.17	9,342.35	9,056.39	285.95	32.671	
9,300.00	7,230.61	7,217.61	7,217.61	65.85	250.24	-90.32	568.34	-7,427.17	9,440.52	9,154.44	286.09	32.999	
9,400.00	7,230.72	7,217.72	7,217.72	68.35	250.25	-90.32	568.34	-7,427.17	9,538.74	9,252.51	286.22	33.326	
9,500.00	7,230.82	7,217.82	7,217.82	70.87	250.25	-90.32	568.34	-7,427.17	9,636.99	9,350.63	286.36	33.653	
9,600.00	7,230.93	7,217.93	7,217.93	73.42	250.25	-90.33	568.34	-7,427.17	9,735.28	9,448.77	286.51	33.979	
9,700.00	7,231.04	7,218.04	7,218.04	75.99	250.26	-90.33	568.34	-7,427.17	9,833.60	9,546.95	286.65	34.305	
9,800.00	7,231.14	7,218.14	7,218.14	78.59	250.26	-90.33	568.34	-7,427.17	9,931.95	9,645.15	286.80	34.630	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	35.00	35.00	3.28	3.34	-84.26	599.27	-5,961.55	5,991.59					
100.00	100.00	135.00	135.00	3.28	4.42	-84.26	599.27	-5,961.55	5,991.59	5,983.88	7.71	777.345		
200.00	200.00	235.00	235.00	3.34	7.24	-84.26	599.27	-5,961.55	5,991.59	5,981.01	10.58	566.283		
300.00	299.98	334.98	334.98	3.44	10.48	81.94	599.27	-5,961.55	5,991.35	5,977.43	13.91	430.574		
400.00	399.84	434.84	434.84	3.59	13.83	82.00	599.27	-5,961.55	5,990.62	5,973.20	17.42	343.934		
500.00	499.45	534.45	534.45	3.79	17.23	82.11	599.27	-5,961.55	5,989.41	5,968.39	21.01	285.021		
600.00	598.70	633.70	633.70	4.03	20.64	82.26	599.27	-5,961.55	5,987.74	5,963.07	24.67	242.724		
700.00	697.47	732.47	732.47	4.31	24.05	82.44	599.27	-5,961.55	5,985.63	5,957.26	28.36	211.029		
800.00	795.62	830.62	830.62	4.64	27.45	82.67	599.27	-5,961.55	5,983.11	5,951.02	32.09	186.469		
900.00	893.06	928.06	928.06	5.00	30.83	82.94	599.27	-5,961.55	5,980.22	5,944.39	35.83	166.920		
1,000.00	989.64	1,024.64	1,024.64	5.40	34.18	83.24	599.27	-5,961.55	5,977.00	5,937.42	39.58	151.018		
1,100.00	1,085.27	1,120.27	1,120.27	5.83	37.51	83.58	599.27	-5,961.55	5,973.49	5,930.15	43.33	137.850		
1,200.00	1,179.82	1,214.82	1,214.82	6.29	40.80	83.94	599.27	-5,961.55	5,969.75	5,922.66	47.09	126.779		
1,235.00	1,212.63	1,247.63	1,247.63	6.46	41.94	84.08	599.27	-5,961.55	5,968.39	5,919.99	48.40	123.315		
1,300.00	1,273.43	1,308.43	1,308.43	6.79	44.05	84.28	599.27	-5,961.55	5,965.91	5,915.07	50.84	117.347		
1,400.00	1,366.98	1,401.98	1,401.98	7.30	47.31	84.60	599.27	-5,961.55	5,962.25	5,907.64	54.61	109.173		
1,500.00	1,460.52	1,504.48	1,495.52	7.84	50.88	84.92	599.27	-5,961.55	5,958.80	5,900.09	58.71	101.490		
1,600.00	1,554.07	1,589.07	1,589.07	8.38	53.83	85.23	599.27	-5,961.55	5,955.56	5,893.36	62.20	95.744		
1,700.00	1,647.61	1,682.61	1,682.61	8.93	57.09	85.55	599.27	-5,961.55	5,952.53	5,886.51	66.01	90.169		
1,800.00	1,741.16	1,776.16	1,776.16	9.49	60.35	85.87	599.27	-5,961.55	5,949.70	5,879.86	69.84	85.196		
1,900.00	1,834.70	1,869.70	1,869.70	10.06	63.61	86.19	599.27	-5,961.55	5,947.08	5,873.42	73.66	80.733		
2,000.00	1,928.25	1,963.25	1,963.25	10.63	66.87	86.51	599.27	-5,961.55	5,944.68	5,867.18	77.50	76.707		
2,100.00	2,021.79	2,056.79	2,056.79	11.21	70.13	86.82	599.27	-5,961.55	5,942.48	5,861.14	81.34	73.059		
2,200.00	2,115.33	2,150.33	2,150.33	11.79	73.40	87.14	599.27	-5,961.55	5,940.49	5,855.31	85.18	69.739		
2,300.00	2,208.88	2,243.88	2,243.88	12.37	76.66	87.46	599.27	-5,961.55	5,938.71	5,849.68	89.03	66.705		
2,400.00	2,302.42	2,337.42	2,337.42	12.96	79.92	87.78	599.27	-5,961.55	5,937.14	5,844.26	92.88	63.922		
2,500.00	2,395.97	2,430.97	2,430.97	13.55	83.18	88.10	599.27	-5,961.55	5,935.78	5,839.05	96.73	61.362		
2,600.00	2,489.51	2,524.51	2,524.51	14.14	86.45	88.42	599.27	-5,961.55	5,934.64	5,834.05	100.59	58.998		
2,700.00	2,583.06	2,618.06	2,618.06	14.74	89.71	88.74	599.27	-5,961.55	5,933.70	5,829.25	104.45	56.809		
2,800.00	2,676.60	2,711.60	2,711.60	15.34	92.97	89.06	599.27	-5,961.55	5,932.97	5,824.66	108.31	54.778		
2,900.00	2,770.14	2,805.14	2,805.14	15.93	96.24	89.38	599.27	-5,961.55	5,932.45	5,820.28	112.17	52.887		
3,000.00	2,863.69	2,901.31	2,898.69	16.53	99.59	89.69	599.27	-5,961.55	5,932.15	5,816.02	116.13	51.084		
3,095.53	2,953.05	2,988.05	2,988.05	17.11	102.62	90.00	599.27	-5,961.55	5,932.05	5,812.32	119.73	49.547 CC		
3,100.00	2,957.23	3,007.77	2,992.23	17.13	103.31	90.01	599.27	-5,961.55	5,932.05	5,811.61	120.44	49.253		
3,200.00	3,050.78	3,085.78	3,085.78	17.74	106.03	90.33	599.27	-5,961.55	5,932.17	5,808.40	123.76	47.931		
3,300.00	3,144.32	3,179.32	3,179.32	18.34	109.29	90.65	599.27	-5,961.55	5,932.49	5,804.86	127.63	46.481		
3,400.00	3,237.87	3,272.87	3,272.87	18.94	112.56	90.97	599.27	-5,961.55	5,933.03	5,801.53	131.50	45.119		
3,500.00	3,331.41	3,366.41	3,366.41	19.55	115.82	91.29	599.27	-5,961.55	5,933.77	5,798.41	135.37	43.835		
3,600.00	3,424.96	3,459.96	3,459.96	20.15	119.09	91.61	599.27	-5,961.55	5,934.73	5,795.49	139.24	42.624		
3,666.72	3,487.37	3,522.37	3,522.37	20.56	121.26	91.82	599.27	-5,961.55	5,935.49	5,793.67	141.82	41.853		
3,700.00	3,518.57	3,553.57	3,553.57	20.76	122.35	91.94	599.27	-5,961.55	5,935.89	5,792.79	143.10	41.479		
3,800.00	3,613.09	3,648.09	3,648.09	21.34	125.65	92.26	599.27	-5,961.55	5,937.15	5,790.17	146.99	40.392		
3,900.00	3,708.70	3,743.70	3,743.70	21.90	128.99	92.55	599.27	-5,961.55	5,938.44	5,787.56	150.88	39.358		
4,000.00	3,805.27	3,840.27	3,840.27	22.44	132.36	92.82	599.27	-5,961.55	5,939.70	5,784.91	154.79	38.373		
4,100.00	3,902.69	3,937.69	3,937.69	22.95	135.76	93.06	599.27	-5,961.55	5,940.89	5,782.19	158.70	37.436		
4,200.00	4,000.84	4,035.84	4,035.84	23.43	139.18	93.26	599.27	-5,961.55	5,941.96	5,779.36	162.60	36.542		
4,300.00	4,099.59	4,134.59	4,134.59	23.89	142.63	93.43	599.27	-5,961.55	5,942.89	5,776.38	166.51	35.691		
4,400.00	4,198.84	4,233.84	4,233.84	24.32	146.09	93.56	599.27	-5,961.55	5,943.64	5,773.24	170.40	34.880		
4,500.00	4,298.45	4,333.45	4,333.45	24.73	149.57	93.65	599.27	-5,961.55	5,944.19	5,769.91	174.29	34.106		
4,600.00	4,398.30	4,433.30	4,433.30	25.11	153.06	93.71	599.27	-5,961.55	5,944.53	5,766.38	178.15	33.368		
4,701.72	4,500.00	4,535.00	4,535.00	25.45	156.61	-72.44	599.27	-5,961.55	5,944.65	5,762.61	182.04	32.656		
4,800.00	4,598.28	4,633.28	4,633.28	25.74	160.04	-72.44	599.27	-5,961.55	5,944.65	5,758.89	185.76	32.002		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,733.28	4,733.28	26.04	163.53	-72.44	599.27	-5,961.55	5,944.65	5,755.10	189.55	31.362		
5,000.00	4,798.28	4,833.28	4,833.28	26.34	167.02	-72.44	599.27	-5,961.55	5,944.65	5,751.31	193.34	30.747		
5,100.00	4,898.28	4,933.28	4,933.28	26.65	170.51	-72.44	599.27	-5,961.55	5,944.65	5,747.51	197.14	30.154		
5,200.00	4,998.28	5,033.28	5,033.28	26.96	174.00	-72.44	599.27	-5,961.55	5,944.65	5,743.71	200.94	29.584		
5,300.00	5,098.28	5,133.28	5,133.28	27.27	177.49	-72.44	599.27	-5,961.55	5,944.65	5,739.90	204.75	29.034		
5,400.00	5,198.28	5,233.28	5,233.28	27.59	180.98	-72.44	599.27	-5,961.55	5,944.65	5,736.10	208.55	28.504		
5,500.00	5,298.28	5,333.28	5,333.28	27.91	184.47	-72.44	599.27	-5,961.55	5,944.65	5,732.29	212.36	27.993		
5,600.00	5,398.28	5,433.28	5,433.28	28.23	187.96	-72.44	599.27	-5,961.55	5,944.65	5,728.47	216.18	27.499		
5,700.00	5,498.28	5,533.28	5,533.28	28.56	191.45	-72.44	599.27	-5,961.55	5,944.65	5,724.65	220.00	27.022		
5,800.00	5,598.28	5,633.28	5,633.28	28.89	194.94	-72.44	599.27	-5,961.55	5,944.65	5,720.83	223.82	26.560		
5,900.00	5,698.28	5,733.28	5,733.28	29.22	198.43	-72.44	599.27	-5,961.55	5,944.65	5,717.01	227.64	26.114		
6,000.00	5,798.28	5,833.28	5,833.28	29.56	201.92	-72.44	599.27	-5,961.55	5,944.65	5,713.18	231.47	25.683		
6,100.00	5,898.28	5,933.28	5,933.28	29.90	205.41	-72.44	599.27	-5,961.55	5,944.65	5,709.35	235.30	25.265		
6,200.00	5,998.28	6,033.28	6,033.28	30.24	208.90	-72.44	599.27	-5,961.55	5,944.65	5,705.52	239.13	24.860		
6,300.00	6,098.28	6,133.28	6,133.28	30.58	212.39	-72.44	599.27	-5,961.55	5,944.65	5,701.69	242.96	24.467		
6,400.00	6,198.28	6,233.28	6,233.28	30.92	215.88	-72.44	599.27	-5,961.55	5,944.65	5,697.85	246.80	24.087		
6,500.00	6,298.28	6,333.28	6,333.28	31.27	219.37	-72.44	599.27	-5,961.55	5,944.65	5,694.01	250.64	23.718		
6,600.00	6,398.28	6,433.28	6,433.28	31.62	222.86	-72.44	599.27	-5,961.55	5,944.65	5,690.17	254.48	23.360		
6,700.00	6,498.28	6,533.28	6,533.28	31.97	226.36	-72.44	599.27	-5,961.55	5,944.65	5,686.33	258.32	23.013		
6,794.10	6,592.38	6,627.38	6,627.38	32.31	229.84	-72.44	599.27	-5,961.55	5,944.65	5,682.71	261.94	22.695		
6,800.00	6,598.28	6,633.28	6,633.28	32.33	229.85	-162.26	599.27	-5,961.55	5,944.68	5,682.51	262.17	22.675 ES		
6,850.00	6,648.21	6,683.21	6,683.21	32.51	231.59	-162.20	599.27	-5,961.55	5,946.99	5,682.90	264.09	22.519		
6,900.00	6,697.79	6,732.79	6,732.79	32.69	233.32	-162.05	599.27	-5,961.55	5,953.02	5,687.02	266.00	22.380		
6,950.00	6,746.73	6,781.73	6,781.73	32.86	235.03	-161.81	599.27	-5,961.55	5,962.74	5,694.86	267.88	22.259		
7,000.00	6,794.71	6,829.71	6,829.71	33.03	236.70	-161.46	599.27	-5,961.55	5,976.10	5,706.37	269.73	22.156		
7,050.00	6,841.44	6,876.44	6,876.44	33.20	238.33	-160.99	599.27	-5,961.55	5,993.00	5,721.47	271.53	22.071		
7,100.00	6,886.64	6,921.64	6,921.64	33.35	239.91	-160.39	599.27	-5,961.55	6,013.35	5,740.09	273.26	22.006		
7,150.00	6,930.03	6,965.03	6,965.03	33.50	241.43	-159.65	599.27	-5,961.55	6,037.03	5,762.11	274.93	21.959		
7,200.00	6,971.33	7,006.33	7,006.33	33.64	242.87	-158.72	599.27	-5,961.55	6,063.90	5,787.39	276.51	21.930		
7,250.00	7,010.30	7,045.30	7,045.30	33.77	244.23	-157.58	599.27	-5,961.55	6,093.78	5,815.79	278.00	21.920 SF		
7,300.00	7,046.69	7,081.69	7,081.69	33.89	245.50	-156.17	599.27	-5,961.55	6,126.51	5,847.13	279.39	21.928		
7,350.00	7,080.28	7,115.28	7,115.28	34.00	246.67	-154.42	599.27	-5,961.55	6,161.89	5,881.22	280.67	21.954		
7,400.00	7,110.86	7,145.86	7,145.86	34.11	247.74	-152.24	599.27	-5,961.55	6,199.69	5,917.86	281.83	21.998		
7,450.00	7,138.25	7,173.25	7,173.25	34.21	248.69	-149.48	599.27	-5,961.55	6,239.70	5,956.82	282.88	22.058		
7,500.00	7,162.27	7,202.73	7,197.27	34.32	249.72	-145.96	599.27	-5,961.55	6,281.66	5,997.68	283.98	22.120		
7,550.00	7,182.77	7,217.77	7,217.77	34.43	250.25	-141.38	599.27	-5,961.55	6,325.33	6,040.75	284.57	22.227		
7,600.00	7,199.64	7,234.64	7,234.64	34.57	250.84	-135.35	599.27	-5,961.55	6,370.43	6,085.21	285.22	22.335		
7,650.00	7,212.76	7,247.76	7,247.76	34.76	251.30	-127.33	599.27	-5,961.55	6,416.68	6,130.96	285.73	22.457		
7,700.00	7,222.06	7,257.06	7,257.06	35.02	251.62	-116.77	599.27	-5,961.55	6,463.82	6,177.72	286.09	22.593		
7,750.00	7,227.47	7,262.47	7,262.47	35.37	251.81	-103.44	599.27	-5,961.55	6,511.53	6,225.21	286.32	22.742		
7,793.42	7,229.00	7,264.00	7,264.00	35.74	251.86	-90.21	599.27	-5,961.55	6,553.22	6,266.82	286.40	22.881		
7,800.00	7,229.01	7,264.01	7,264.01	35.80	251.86	-90.21	599.27	-5,961.55	6,559.54	6,273.13	286.41	22.903		
7,900.00	7,229.11	7,264.11	7,264.11	36.91	251.87	-90.22	599.27	-5,961.55	6,655.71	6,369.23	286.48	23.233		
8,000.00	7,229.22	7,264.22	7,264.22	38.28	251.87	-90.22	599.27	-5,961.55	6,751.99	6,465.43	286.56	23.562		
8,100.00	7,229.33	7,264.33	7,264.33	39.83	251.87	-90.22	599.27	-5,961.55	6,848.38	6,561.72	286.66	23.890		
8,200.00	7,229.43	7,264.43	7,264.43	41.53	251.88	-90.23	599.27	-5,961.55	6,944.87	6,658.10	286.77	24.218		
8,300.00	7,229.54	7,264.54	7,264.54	43.36	251.88	-90.23	599.27	-5,961.55	7,041.45	6,754.57	286.88	24.545		
8,400.00	7,229.65	7,264.65	7,264.65	45.30	251.89	-90.23	599.27	-5,961.55	7,138.14	6,851.13	287.01	24.871		
8,500.00	7,229.75	7,264.75	7,264.75	47.33	251.89	-90.24	599.27	-5,961.55	7,234.91	6,947.76	287.15	25.196		
8,600.00	7,229.86	7,264.86	7,264.86	49.45	251.89	-90.24	599.27	-5,961.55	7,331.77	7,044.48	287.29	25.521		
8,700.00	7,229.97	7,264.97	7,264.97	51.64	251.90	-90.24	599.27	-5,961.55	7,428.71	7,141.27	287.44	25.845		
8,800.00	7,230.07	7,265.07	7,265.07	53.89	251.90	-90.25	599.27	-5,961.55	7,525.73	7,238.14	287.59	26.168		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,265.18	7,265.18	56.19	251.90	-90.25	599.27	-5,961.55	7,622.83	7,335.08	287.75	26.491		
9,000.00	7,230.29	7,265.29	7,265.29	58.55	251.91	-90.25	599.27	-5,961.55	7,720.00	7,432.09	287.91	26.814		
9,100.00	7,230.39	7,265.39	7,265.39	60.94	251.91	-90.26	599.27	-5,961.55	7,817.24	7,529.16	288.08	27.135		
9,200.00	7,230.50	7,265.50	7,265.50	63.38	251.92	-90.26	599.27	-5,961.55	7,914.56	7,626.30	288.25	27.457		
9,300.00	7,230.61	7,265.61	7,265.61	65.85	251.92	-90.26	599.27	-5,961.55	8,011.93	7,723.50	288.43	27.778		
9,400.00	7,230.72	7,265.72	7,265.72	68.35	251.92	-90.27	599.27	-5,961.55	8,109.38	7,820.77	288.61	28.098		
9,500.00	7,230.82	7,265.82	7,265.82	70.87	251.93	-90.27	599.27	-5,961.55	8,206.88	7,918.09	288.79	28.418		
9,600.00	7,230.93	7,265.93	7,265.93	73.42	251.93	-90.27	599.27	-5,961.55	8,304.44	8,015.47	288.97	28.738		
9,700.00	7,231.04	7,266.04	7,266.04	75.99	251.93	-90.28	599.27	-5,961.55	8,402.07	8,112.91	289.16	29.057		
9,800.00	7,231.14	7,266.14	7,266.14	78.59	251.94	-90.28	599.27	-5,961.55	8,499.74	8,210.40	289.34	29.376		
9,900.00	7,231.25	7,266.25	7,266.25	81.19	251.94	-90.28	599.27	-5,961.55	8,597.47	8,307.94	289.53	29.694		
10,000.00	7,231.36	7,266.36	7,266.36	83.82	251.94	-90.29	599.27	-5,961.55	8,695.25	8,405.53	289.72	30.012		
10,100.00	7,231.46	7,266.46	7,266.46	86.46	251.95	-90.29	599.27	-5,961.55	8,793.08	8,503.17	289.91	30.330		
10,200.00	7,231.57	7,266.57	7,266.57	89.11	251.95	-90.29	599.27	-5,961.55	8,890.96	8,600.86	290.10	30.648		
10,300.00	7,231.68	7,266.68	7,266.68	91.77	251.96	-90.30	599.27	-5,961.55	8,988.89	8,698.59	290.29	30.965		
10,400.00	7,231.78	7,266.78	7,266.78	94.45	251.96	-90.30	599.27	-5,961.55	9,086.86	8,796.37	290.49	31.282		
10,500.00	7,231.89	7,266.89	7,266.89	97.14	251.96	-90.30	599.27	-5,961.55	9,184.87	8,894.20	290.68	31.598		
10,600.00	7,232.00	7,267.00	7,267.00	99.83	251.97	-90.31	599.27	-5,961.55	9,282.93	8,992.06	290.87	31.914		
10,700.00	7,232.10	7,267.10	7,267.10	102.53	251.97	-90.31	599.27	-5,961.55	9,381.03	9,089.97	291.06	32.230		
10,800.00	7,232.21	7,267.21	7,267.21	105.25	251.97	-90.31	599.27	-5,961.55	9,479.17	9,187.91	291.25	32.546		
10,900.00	7,232.32	7,267.32	7,267.32	107.96	251.98	-90.32	599.27	-5,961.55	9,577.34	9,285.90	291.45	32.862		
11,000.00	7,232.42	7,267.42	7,267.42	110.69	251.98	-90.32	599.27	-5,961.55	9,675.56	9,383.92	291.64	33.177		
11,100.00	7,232.53	7,267.53	7,267.53	113.42	251.99	-90.32	599.27	-5,961.55	9,773.81	9,481.98	291.83	33.492		
11,200.00	7,232.64	7,267.64	7,267.64	116.16	251.99	-90.33	599.27	-5,961.55	9,872.09	9,580.07	292.02	33.806		
11,300.00	7,232.74	7,267.74	7,267.74	118.90	251.99	-90.33	599.27	-5,961.55	9,970.41	9,678.20	292.21	34.121		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - ROTHE #1-14 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.00	0.00	33.00	33.00	3.28	3.33	-96.37	-956.98	-8,571.80	8,625.05							
100.00	100.00	133.00	133.00	3.28	4.38	-96.37	-956.98	-8,571.80	8,625.05	8,617.39	7.66	1,125.805				
200.00	200.00	233.00	233.00	3.34	7.18	-96.37	-956.98	-8,571.80	8,625.05	8,614.53	10.52	819.998				
300.00	299.98	332.98	332.98	3.44	10.41	69.83	-956.98	-8,571.80	8,624.45	8,610.60	13.85	622.768				
400.00	399.84	432.84	432.84	3.59	13.76	69.89	-956.98	-8,571.80	8,622.65	8,605.30	17.35	496.970				
500.00	499.45	532.45	532.45	3.79	17.16	70.00	-956.98	-8,571.80	8,619.65	8,598.70	20.95	411.518				
600.00	598.70	631.70	631.70	4.03	20.57	70.16	-956.98	-8,571.80	8,615.47	8,590.87	24.60	350.216				
700.00	697.47	730.47	730.47	4.31	23.98	70.36	-956.98	-8,571.80	8,610.12	8,581.83	28.29	304.303				
800.00	795.62	828.62	828.62	4.64	27.38	70.60	-956.98	-8,571.80	8,603.64	8,571.63	32.02	268.735				
900.00	893.06	926.06	926.06	5.00	30.76	70.88	-956.98	-8,571.80	8,596.05	8,560.29	35.75	240.427				
1,000.00	989.64	1,022.64	1,022.64	5.40	34.11	71.20	-956.98	-8,571.80	8,587.37	8,547.87	39.50	217.398				
1,100.00	1,085.27	1,118.27	1,118.27	5.83	37.44	71.56	-956.98	-8,571.80	8,577.66	8,534.41	43.25	198.322				
1,200.00	1,179.82	1,212.82	1,212.82	6.29	40.73	71.97	-956.98	-8,571.80	8,566.95	8,519.95	47.00	182.279				
1,235.00	1,212.63	1,245.63	1,245.63	6.46	41.87	72.11	-956.98	-8,571.80	8,562.97	8,514.66	48.31	177.255				
1,300.00	1,273.43	1,306.43	1,306.43	6.79	43.98	72.25	-956.98	-8,571.80	8,555.50	8,504.76	50.74	168.602				
1,400.00	1,366.98	1,400.02	1,399.98	7.30	47.24	72.47	-956.98	-8,571.80	8,544.13	8,489.62	54.51	156.747				
1,500.00	1,460.52	1,506.48	1,493.52	7.84	50.95	72.68	-956.98	-8,571.80	8,532.88	8,474.14	58.74	145.269				
1,600.00	1,554.07	1,587.07	1,587.07	8.38	53.76	72.89	-956.98	-8,571.80	8,521.77	8,459.69	62.08	137.270				
1,700.00	1,647.61	1,680.61	1,680.61	8.93	57.02	73.11	-956.98	-8,571.80	8,510.78	8,444.90	65.88	129.178				
1,800.00	1,741.16	1,774.16	1,774.16	9.49	60.28	73.32	-956.98	-8,571.80	8,499.94	8,430.24	69.70	121.956				
1,900.00	1,834.70	1,867.70	1,867.70	10.06	63.54	73.54	-956.98	-8,571.80	8,489.22	8,415.70	73.52	115.472				
2,000.00	1,928.25	1,961.25	1,961.25	10.63	66.80	73.75	-956.98	-8,571.80	8,478.64	8,401.29	77.34	109.622				
2,100.00	2,021.79	2,054.79	2,054.79	11.21	70.06	73.97	-956.98	-8,571.80	8,468.19	8,387.01	81.18	104.318				
2,200.00	2,115.33	2,148.33	2,148.33	11.79	73.33	74.18	-956.98	-8,571.80	8,457.88	8,372.86	85.01	99.488				
2,300.00	2,208.88	2,241.88	2,241.88	12.37	76.59	74.40	-956.98	-8,571.80	8,447.70	8,358.84	88.86	95.072				
2,400.00	2,302.42	2,335.42	2,335.42	12.96	79.85	74.62	-956.98	-8,571.80	8,437.66	8,344.96	92.70	91.020				
2,500.00	2,395.97	2,428.97	2,428.97	13.55	83.11	74.84	-956.98	-8,571.80	8,427.75	8,331.20	96.55	87.289				
2,600.00	2,489.51	2,522.51	2,522.51	14.14	86.38	75.05	-956.98	-8,571.80	8,417.98	8,317.58	100.40	83.843				
2,700.00	2,583.06	2,616.06	2,616.06	14.74	89.64	75.27	-956.98	-8,571.80	8,408.35	8,304.10	104.26	80.652				
2,800.00	2,676.60	2,709.60	2,709.60	15.34	92.90	75.49	-956.98	-8,571.80	8,398.86	8,290.75	108.11	77.687				
2,900.00	2,770.14	2,803.14	2,803.14	15.93	96.17	75.71	-956.98	-8,571.80	8,389.50	8,277.53	111.97	74.926				
3,000.00	2,863.69	2,903.31	2,896.69	16.53	99.66	75.93	-956.98	-8,571.80	8,380.29	8,264.23	116.06	72.205				
3,100.00	2,957.23	3,009.77	2,990.23	17.13	103.38	76.15	-956.98	-8,571.80	8,371.21	8,250.84	120.37	69.543				
3,200.00	3,050.78	3,083.78	3,083.78	17.74	105.96	76.37	-956.98	-8,571.80	8,362.27	8,238.72	123.56	67.679				
3,300.00	3,144.32	3,177.32	3,177.32	18.34	109.22	76.59	-956.98	-8,571.80	8,353.47	8,226.05	127.42	65.557				
3,400.00	3,237.87	3,270.87	3,270.87	18.94	112.49	76.82	-956.98	-8,571.80	8,344.82	8,213.53	131.29	63.561				
3,500.00	3,331.41	3,364.41	3,364.41	19.55	115.75	77.04	-956.98	-8,571.80	8,336.30	8,201.14	135.16	61.679				
3,600.00	3,424.96	3,457.96	3,457.96	20.15	119.02	77.26	-956.98	-8,571.80	8,327.93	8,188.90	139.03	59.902				
3,666.72	3,487.37	3,520.37	3,520.37	20.56	121.20	77.41	-956.98	-8,571.80	8,322.42	8,180.81	141.61	58.771				
3,700.00	3,518.57	3,551.57	3,551.57	20.76	122.28	77.43	-956.98	-8,571.80	8,319.73	8,176.84	142.90	58.222				
3,800.00	3,613.09	3,646.09	3,646.09	21.34	125.58	77.49	-956.98	-8,571.80	8,312.26	8,165.48	146.78	56.630				
3,900.00	3,708.70	3,741.70	3,741.70	21.90	128.92	77.55	-956.98	-8,571.80	8,305.66	8,154.97	150.68	55.121				
4,000.00	3,805.27	3,838.27	3,838.27	22.44	132.29	77.61	-956.98	-8,571.80	8,299.89	8,145.30	154.59	53.691				
4,100.00	3,902.69	3,935.69	3,935.69	22.95	135.69	77.66	-956.98	-8,571.80	8,294.93	8,136.44	158.50	52.335				
4,200.00	4,000.84	4,033.84	4,033.84	23.43	139.11	77.70	-956.98	-8,571.80	8,290.78	8,128.37	162.41	51.049				
4,300.00	4,099.59	4,132.59	4,132.59	23.89	142.56	77.74	-956.98	-8,571.80	8,287.40	8,121.08	166.32	49.829				
4,400.00	4,198.84	4,231.84	4,231.84	24.32	146.03	77.77	-956.98	-8,571.80	8,284.78	8,114.57	170.21	48.673				
4,500.00	4,298.45	4,331.45	4,331.45	24.73	149.50	77.80	-956.98	-8,571.80	8,282.92	8,108.82	174.10	47.576				
4,600.00	4,398.30	4,431.30	4,431.30	25.11	152.99	77.81	-956.98	-8,571.80	8,281.80	8,103.83	177.97	46.536				
4,701.72	4,500.00	4,533.00	4,533.00	25.45	156.54	-88.36	-956.98	-8,571.80	8,281.42	8,099.56	181.85	45.539				
4,800.00	4,598.28	4,631.28	4,631.28	25.74	159.97	-88.36	-956.98	-8,571.80	8,281.42	8,095.84	185.57	44.626				
4,900.00	4,698.28	4,731.28	4,731.28	26.04	163.46	-88.36	-956.98	-8,571.80	8,281.42	8,092.05	189.36	43.733				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,831.28	4,831.28	26.34	166.95	-88.36	-956.98	-8,571.80	8,281.42	8,088.26	193.16	42.874		
5,100.00	4,898.28	4,931.28	4,931.28	26.65	170.44	-88.36	-956.98	-8,571.80	8,281.42	8,084.46	196.95	42.047		
5,200.00	4,998.28	5,031.28	5,031.28	26.96	173.93	-88.36	-956.98	-8,571.80	8,281.42	8,080.66	200.76	41.251		
5,300.00	5,098.28	5,131.28	5,131.28	27.27	177.42	-88.36	-956.98	-8,571.80	8,281.42	8,076.85	204.56	40.484		
5,400.00	5,198.28	5,231.28	5,231.28	27.59	180.91	-88.36	-956.98	-8,571.80	8,281.42	8,073.05	208.37	39.744		
5,500.00	5,298.28	5,331.28	5,331.28	27.91	184.40	-88.36	-956.98	-8,571.80	8,281.42	8,069.23	212.18	39.030		
5,600.00	5,398.28	5,431.28	5,431.28	28.23	187.89	-88.36	-956.98	-8,571.80	8,281.42	8,065.42	216.00	38.341		
5,700.00	5,498.28	5,531.28	5,531.28	28.56	191.38	-88.36	-956.98	-8,571.80	8,281.42	8,061.60	219.81	37.675		
5,800.00	5,598.28	5,631.28	5,631.28	28.89	194.87	-88.36	-956.98	-8,571.80	8,281.42	8,057.78	223.63	37.031		
5,900.00	5,698.28	5,731.28	5,731.28	29.22	198.36	-88.36	-956.98	-8,571.80	8,281.42	8,053.96	227.46	36.409		
6,000.00	5,798.28	5,831.28	5,831.28	29.56	201.85	-88.36	-956.98	-8,571.80	8,281.42	8,050.13	231.28	35.806		
6,100.00	5,898.28	5,931.28	5,931.28	29.90	205.34	-88.36	-956.98	-8,571.80	8,281.42	8,046.30	235.11	35.223		
6,200.00	5,998.28	6,031.28	6,031.28	30.24	208.83	-88.36	-956.98	-8,571.80	8,281.42	8,042.47	238.95	34.658		
6,300.00	6,098.28	6,131.28	6,131.28	30.58	212.32	-88.36	-956.98	-8,571.80	8,281.42	8,038.64	242.78	34.111		
6,400.00	6,198.28	6,231.28	6,231.28	30.92	215.81	-88.36	-956.98	-8,571.80	8,281.42	8,034.80	246.62	33.580		
6,500.00	6,298.28	6,331.28	6,331.28	31.27	219.30	-88.36	-956.98	-8,571.80	8,281.42	8,030.96	250.46	33.065		
6,600.00	6,398.28	6,431.28	6,431.28	31.62	222.80	-88.36	-956.98	-8,571.80	8,281.42	8,027.12	254.30	32.566		
6,700.00	6,498.28	6,531.28	6,531.28	31.97	226.29	-88.36	-956.98	-8,571.80	8,281.42	8,023.28	258.14	32.081		
6,794.10	6,592.38	6,625.38	6,625.38	32.31	229.57	-88.36	-956.98	-8,571.80	8,281.42	8,019.66	261.76	31.638 CC		
6,800.00	6,598.28	6,631.28	6,631.28	32.33	229.78	-178.18	-956.98	-8,571.80	8,281.44	8,019.46	261.99	31.610 ES		
6,850.00	6,648.21	6,681.21	6,681.21	32.51	231.52	-178.17	-956.98	-8,571.80	8,283.87	8,019.96	263.91	31.389		
6,900.00	6,697.79	6,730.79	6,730.79	32.69	233.25	-178.15	-956.98	-8,571.80	8,290.20	8,024.38	265.82	31.187		
6,950.00	6,746.73	6,779.73	6,779.73	32.86	234.96	-178.13	-956.98	-8,571.80	8,300.40	8,032.70	267.70	31.006		
7,000.00	6,794.71	6,827.71	6,827.71	33.03	236.63	-178.09	-956.98	-8,571.80	8,314.41	8,044.87	269.54	30.847		
7,050.00	6,841.44	6,874.44	6,874.44	33.20	238.26	-178.03	-956.98	-8,571.80	8,332.13	8,060.80	271.33	30.709		
7,100.00	6,886.64	6,919.64	6,919.64	33.35	239.84	-177.96	-956.98	-8,571.80	8,353.47	8,080.42	273.05	30.593		
7,150.00	6,930.03	6,963.03	6,963.03	33.50	241.36	-177.88	-956.98	-8,571.80	8,378.28	8,103.58	274.70	30.499		
7,200.00	6,971.33	7,004.33	7,004.33	33.64	242.80	-177.77	-956.98	-8,571.80	8,406.43	8,130.15	276.27	30.428		
7,250.00	7,010.30	7,043.30	7,043.30	33.77	244.16	-177.63	-956.98	-8,571.80	8,437.72	8,159.98	277.74	30.379		
7,300.00	7,046.69	7,079.69	7,079.69	33.89	245.43	-177.46	-956.98	-8,571.80	8,471.97	8,192.86	279.12	30.353		
7,350.00	7,080.28	7,113.28	7,113.28	34.00	246.60	-177.24	-956.98	-8,571.80	8,508.97	8,228.60	280.38	30.348 SF		
7,400.00	7,110.86	7,143.86	7,143.86	34.11	247.67	-176.96	-956.98	-8,571.80	8,548.50	8,266.98	281.52	30.366		
7,450.00	7,138.25	7,171.25	7,171.25	34.21	248.62	-176.59	-956.98	-8,571.80	8,590.29	8,307.76	282.54	30.404		
7,500.00	7,162.27	7,204.73	7,195.27	34.32	249.79	-176.08	-956.98	-8,571.80	8,634.11	8,350.35	283.76	30.428		
7,550.00	7,182.77	7,215.77	7,215.77	34.43	250.18	-175.36	-956.98	-8,571.80	8,679.68	8,395.50	284.18	30.543		
7,600.00	7,199.64	7,232.64	7,232.64	34.57	250.77	-174.26	-956.98	-8,571.80	8,726.71	8,441.91	284.80	30.641		
7,650.00	7,212.76	7,245.76	7,245.76	34.76	251.23	-172.38	-956.98	-8,571.80	8,774.93	8,489.64	285.28	30.759		
7,700.00	7,222.06	7,255.06	7,255.06	35.02	251.55	-168.54	-956.98	-8,571.80	8,824.02	8,538.40	285.62	30.894		
7,750.00	7,227.47	7,260.47	7,260.47	35.37	251.74	-156.78	-956.98	-8,571.80	8,873.69	8,587.87	285.81	31.047		
7,793.42	7,229.00	7,262.00	7,262.00	35.74	251.79	-92.07	-956.98	-8,571.80	8,917.06	8,631.19	285.87	31.193		
7,800.00	7,229.01	7,262.01	7,262.01	35.80	251.79	-92.07	-956.98	-8,571.80	8,923.63	8,637.76	285.87	31.216		
7,900.00	7,229.11	7,262.11	7,262.11	36.91	251.80	-92.09	-956.98	-8,571.80	9,023.59	8,737.71	285.88	31.564		
8,000.00	7,229.22	7,262.22	7,262.22	38.28	251.80	-92.12	-956.98	-8,571.80	9,123.55	8,837.66	285.89	31.913		
8,100.00	7,229.33	7,262.33	7,262.33	39.83	251.80	-92.14	-956.98	-8,571.80	9,223.51	8,937.61	285.90	32.261		
8,200.00	7,229.43	7,262.43	7,262.43	41.53	251.81	-92.16	-956.98	-8,571.80	9,323.46	9,037.55	285.91	32.610		
8,300.00	7,229.54	7,262.54	7,262.54	43.36	251.81	-92.19	-956.98	-8,571.80	9,423.43	9,137.50	285.92	32.958		
8,400.00	7,229.65	7,262.65	7,262.65	45.30	251.82	-92.21	-956.98	-8,571.80	9,523.39	9,237.45	285.94	33.306		
8,500.00	7,229.75	7,262.75	7,262.75	47.33	251.82	-92.23	-956.98	-8,571.80	9,623.35	9,337.40	285.95	33.654		
8,600.00	7,229.86	7,262.86	7,262.86	49.45	251.82	-92.26	-956.98	-8,571.80	9,723.31	9,437.34	285.97	34.001		
8,700.00	7,229.97	7,262.97	7,262.97	51.64	251.83	-92.28	-956.98	-8,571.80	9,823.28	9,537.29	285.99	34.349		
8,800.00	7,230.07	7,263.07	7,263.07	53.89	251.83	-92.30	-956.98	-8,571.80	9,923.24	9,637.23	286.01	34.696		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.39	-1,194.66	-5,437.50	5,567.19					
100.00	100.00	63.61	63.61	3.28	3.28	-102.39	-1,194.52	-5,437.76	5,567.57	5,561.00	6.57	847.697		
200.00	200.00	154.65	154.64	3.34	3.31	-102.38	-1,193.98	-5,438.80	5,568.53	5,561.88	6.65	837.543		
300.00	299.98	264.03	264.01	3.44	3.41	63.82	-1,193.47	-5,439.73	5,568.49	5,561.64	6.85	813.311		
400.00	399.84	381.54	381.52	3.59	3.58	63.91	-1,192.95	-5,440.59	5,566.81	5,559.64	7.17	776.935		
500.00	499.45	491.22	491.20	3.79	3.79	64.07	-1,192.39	-5,441.03	5,563.26	5,555.69	7.57	734.458		
600.00	598.70	607.53	607.51	4.03	4.06	64.31	-1,191.60	-5,441.29	5,558.00	5,549.91	8.09	687.117		
700.00	697.47	714.44	714.41	4.31	4.35	64.60	-1,190.53	-5,441.35	5,551.03	5,542.37	8.66	641.200		
800.00	795.62	798.82	798.79	4.64	4.59	64.91	-1,189.68	-5,441.46	5,542.68	5,533.46	9.22	600.978		
900.00	893.06	889.89	889.85	5.00	4.87	65.29	-1,188.71	-5,441.73	5,533.08	5,523.22	9.86	561.179		
1,000.00	989.64	989.87	989.81	5.40	5.20	65.76	-1,186.56	-5,442.27	5,522.15	5,511.58	10.58	522.074		
1,100.00	1,085.27	1,045.05	1,044.93	5.83	5.39	66.16	-1,184.24	-5,442.93	5,510.20	5,499.01	11.20	492.143		
1,200.00	1,179.82	1,100.00	1,099.76	6.29	5.59	66.59	-1,180.84	-5,444.28	5,497.80	5,485.95	11.85	463.825		
1,235.00	1,212.63	1,115.30	1,115.00	6.46	5.65	66.74	-1,179.70	-5,444.78	5,493.35	5,481.27	12.08	454.662		
1,300.00	1,273.43	1,158.88	1,158.40	6.79	5.83	66.93	-1,175.96	-5,446.35	5,485.16	5,472.58	12.58	436.095		
1,400.00	1,366.98	1,229.84	1,228.87	7.30	6.15	67.25	-1,168.27	-5,449.43	5,473.13	5,459.73	13.39	408.606		
1,500.00	1,460.52	1,310.94	1,309.06	7.84	6.55	67.64	-1,156.90	-5,453.59	5,461.66	5,447.35	14.31	381.653		
1,600.00	1,554.07	1,421.89	1,418.13	8.38	7.17	68.22	-1,137.55	-5,459.63	5,450.41	5,434.95	15.46	352.562		
1,700.00	1,647.61	1,523.49	1,517.34	8.93	7.80	68.79	-1,116.40	-5,465.37	5,439.40	5,422.76	16.63	327.068		
1,800.00	1,741.16	1,658.44	1,647.79	9.49	8.74	69.59	-1,082.73	-5,472.79	5,428.29	5,410.17	18.12	299.571		
1,900.00	1,834.70	1,811.24	1,793.47	10.06	9.94	70.56	-1,037.35	-5,480.42	5,416.96	5,397.08	19.88	272.533		
2,000.00	1,928.25	1,843.17	1,823.56	10.63	10.23	70.78	-1,026.79	-5,482.11	5,406.11	5,385.37	20.73	260.724		
2,100.00	2,021.79	1,900.00	1,876.90	11.21	10.73	71.16	-1,007.51	-5,485.56	5,396.57	5,374.75	21.81	247.428		
2,200.00	2,115.33	1,925.30	1,900.57	11.79	10.97	71.34	-998.75	-5,487.28	5,388.18	5,365.56	22.62	238.185		
2,300.00	2,208.88	1,969.17	1,941.50	12.37	11.38	71.64	-983.28	-5,490.49	5,381.08	5,357.48	23.61	227.936		
2,400.00	2,302.42	2,020.20	1,988.93	12.96	11.87	72.00	-964.88	-5,494.55	5,375.21	5,350.53	24.67	217.877		
2,500.00	2,395.97	2,089.04	2,052.60	13.55	12.55	72.49	-939.33	-5,500.20	5,370.31	5,344.39	25.92	207.169		
2,600.00	2,489.51	2,149.69	2,108.52	14.14	13.15	72.93	-916.42	-5,505.29	5,366.37	5,339.27	27.10	198.050		
2,700.00	2,583.06	2,213.16	2,167.10	14.74	13.78	73.38	-892.61	-5,510.79	5,363.47	5,335.17	28.29	189.566		
2,800.00	2,676.60	2,298.77	2,246.30	15.34	14.60	73.99	-860.96	-5,518.18	5,361.37	5,331.69	29.68	180.620		
2,900.00	2,770.14	2,357.86	2,301.04	15.93	15.16	74.41	-839.31	-5,523.30	5,360.13	5,329.32	30.80	174.007		
2,970.14	2,835.76	2,400.00	2,340.07	16.35	15.55	74.71	-823.86	-5,527.06	5,359.88	5,328.28	31.60	169.643 CC		
3,000.00	2,863.69	2,423.07	2,361.43	16.53	15.77	74.87	-815.41	-5,529.14	5,359.92	5,327.94	31.98	167.622		
3,100.00	2,957.23	2,507.70	2,439.90	17.13	16.55	75.47	-784.61	-5,536.70	5,360.51	5,327.19	33.32	160.881		
3,200.00	3,050.78	2,613.42	2,537.74	17.74	17.53	76.22	-745.59	-5,545.61	5,361.54	5,326.69	34.85	153.827 ES		
3,300.00	3,144.32	2,671.63	2,591.46	18.34	18.08	76.64	-723.68	-5,550.46	5,363.38	5,327.43	35.96	149.169		
3,400.00	3,237.87	2,725.48	2,641.07	18.94	18.59	77.03	-703.28	-5,555.10	5,366.30	5,329.29	37.01	144.999		
3,500.00	3,331.41	2,775.79	2,687.49	19.55	19.07	77.39	-684.40	-5,559.67	5,370.37	5,332.35	38.02	141.237		
3,600.00	3,424.96	2,869.75	2,774.29	20.15	19.95	78.06	-649.51	-5,568.42	5,375.45	5,336.01	39.44	136.310		
3,666.72	3,487.37	2,955.21	2,853.26	20.56	20.73	78.66	-617.68	-5,575.79	5,378.94	5,338.36	40.58	132.567		
3,700.00	3,518.57	2,997.24	2,892.13	20.76	21.12	79.00	-602.06	-5,579.22	5,380.73	5,339.60	41.13	130.811		
3,800.00	3,613.09	3,101.54	2,988.99	21.34	22.02	79.82	-564.27	-5,587.41	5,386.77	5,344.22	42.55	126.592		
3,900.00	3,708.70	3,149.20	3,033.44	21.90	22.42	80.27	-547.50	-5,591.25	5,394.17	5,350.74	43.43	124.203		
4,000.00	3,805.27	3,200.00	3,080.85	22.44	22.85	80.76	-529.81	-5,595.67	5,403.27	5,358.97	44.30	121.957		
4,100.00	3,902.69	3,286.50	3,161.42	22.95	23.59	81.47	-499.28	-5,603.34	5,413.70	5,368.24	45.47	119.073		
4,200.00	4,000.84	3,444.30	3,307.85	23.43	24.95	82.57	-441.79	-5,615.62	5,424.28	5,377.05	47.23	114.858		
4,300.00	4,099.59	3,500.00	3,359.57	23.89	25.42	83.09	-421.52	-5,619.72	5,435.62	5,387.55	48.07	113.085		
4,400.00	4,198.84	3,543.24	3,399.73	24.32	25.80	83.56	-405.86	-5,623.22	5,448.42	5,399.65	48.77	111.707		
4,500.00	4,298.45	3,600.00	3,452.38	24.73	26.30	84.10	-385.36	-5,628.66	5,462.99	5,413.42	49.57	110.204		
4,600.00	4,398.30	3,702.76	3,547.51	25.11	27.23	84.83	-347.81	-5,638.60	5,478.62	5,427.85	50.77	107.909		
4,701.72	4,500.00	3,821.92	3,657.42	25.45	28.31	-80.55	-302.92	-5,648.75	5,494.20	5,442.11	52.09	105.477		
4,800.00	4,598.28	3,914.38	3,742.43	25.74	29.17	-80.20	-267.33	-5,656.27	5,509.45	5,456.33	53.13	103.701		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,013.37	3,833.32	26.04	30.08	-79.81	-228.90	-5,664.06	5,525.05	5,470.81	54.24	101.868		
5,000.00	4,798.28	4,074.01	3,888.97	26.34	30.65	-79.58	-205.31	-5,669.00	5,541.16	5,486.17	54.99	100.768		
5,100.00	4,898.28	4,180.89	3,987.26	26.65	31.63	-79.18	-164.36	-5,678.20	5,557.80	5,501.64	56.16	98.961		
5,200.00	4,998.28	4,269.63	4,069.30	26.96	32.43	-78.85	-131.42	-5,685.81	5,574.34	5,517.19	57.14	97.549		
5,300.00	5,098.28	4,389.51	4,180.14	27.27	33.49	-78.42	-86.90	-5,696.04	5,591.08	5,532.68	58.40	95.736		
5,400.00	5,198.28	4,476.54	4,260.62	27.59	34.25	-78.11	-54.57	-5,703.16	5,607.68	5,548.33	59.36	94.472		
5,500.00	5,298.28	4,545.50	4,324.37	27.91	34.86	-77.86	-28.91	-5,708.97	5,624.74	5,564.58	60.16	93.500		
5,600.00	5,398.28	4,621.35	4,394.38	28.23	35.54	-77.59	-0.52	-5,715.71	5,642.45	5,581.43	61.02	92.470		
5,700.00	5,498.28	4,739.17	4,503.53	28.56	36.57	-77.18	42.61	-5,726.08	5,660.06	5,597.82	62.25	90.930		
5,800.00	5,598.28	4,818.78	4,577.49	28.89	37.26	-76.91	71.18	-5,733.27	5,677.90	5,614.78	63.12	89.951		
5,900.00	5,698.28	4,893.82	4,646.99	29.22	37.92	-76.65	98.63	-5,740.10	5,696.19	5,632.22	63.96	89.054		
6,000.00	5,798.28	5,012.54	4,756.54	29.56	38.98	-76.23	143.23	-5,750.41	5,714.55	5,649.34	65.22	87.621		
6,100.00	5,898.28	5,080.84	4,819.55	29.90	39.60	-75.99	168.89	-5,756.34	5,733.15	5,667.14	66.01	86.850		
6,200.00	5,998.28	5,187.07	4,917.76	30.24	40.54	-75.63	208.23	-5,765.95	5,752.10	5,684.96	67.14	85.670		
6,300.00	6,098.28	5,303.07	5,025.25	30.58	41.55	-75.24	250.61	-5,776.15	5,770.86	5,702.51	68.35	84.437		
6,400.00	6,198.28	5,364.68	5,082.29	30.92	42.09	-75.03	273.25	-5,781.57	5,789.87	5,720.81	69.07	83.832		
6,500.00	6,298.28	5,453.47	5,164.27	31.27	42.89	-74.73	306.41	-5,789.59	5,809.46	5,739.42	70.04	82.946		
6,600.00	6,398.28	5,569.62	5,271.46	31.62	43.92	-74.34	350.01	-5,799.61	5,828.93	5,757.68	71.26	81.802		
6,700.00	6,498.28	5,740.49	5,429.83	31.97	45.37	-73.77	412.65	-5,813.39	5,847.83	5,774.90	72.92	80.193		
6,794.10	6,592.38	6,421.02	6,084.33	32.31	49.13	-72.20	589.77	-5,850.04	5,857.95	5,780.77	77.17	75.906		
6,800.00	6,598.28	6,433.89	6,097.03	32.33	49.17	-161.99	591.77	-5,850.56	5,858.49	5,781.25	77.24	75.848		
6,850.00	6,648.21	6,923.66	6,584.54	32.51	50.53	-161.57	633.57	-5,861.71	5,862.86	5,784.04	78.83	74.377		
6,900.00	6,697.79	6,984.81	6,645.67	32.69	50.68	-161.39	635.09	-5,861.89	5,869.40	5,790.24	79.16	74.144		
6,950.00	6,746.73	7,040.02	6,700.87	32.86	50.81	-161.12	635.95	-5,862.13	5,879.52	5,800.03	79.49	73.969		
7,000.00	6,794.71	7,092.45	6,753.29	33.03	50.94	-160.74	636.66	-5,862.34	5,893.21	5,813.41	79.80	73.847		
7,050.00	6,841.44	7,137.11	6,797.95	33.20	51.05	-160.24	637.23	-5,862.52	5,910.42	5,830.32	80.10	73.789		
7,100.00	6,886.64	7,179.20	6,840.03	33.35	51.15	-159.60	637.79	-5,862.70	5,931.07	5,850.69	80.38	73.785 SF		
7,150.00	6,930.03	7,220.63	6,881.46	33.50	51.25	-158.80	638.37	-5,862.89	5,955.05	5,874.39	80.66	73.829		
7,200.00	6,971.33	7,261.12	6,921.95	33.64	51.35	-157.82	638.97	-5,863.08	5,982.18	5,901.25	80.93	73.920		
7,250.00	7,010.30	7,299.31	6,960.13	33.77	51.44	-156.61	639.57	-5,863.25	6,012.31	5,931.13	81.18	74.061		
7,300.00	7,046.69	7,326.14	6,986.95	33.89	51.51	-155.08	639.98	-5,863.39	6,045.28	5,963.88	81.40	74.269		
7,350.00	7,080.28	7,350.00	7,010.81	34.00	51.57	-153.19	640.33	-5,863.56	6,080.90	5,999.31	81.60	74.524		
7,400.00	7,110.86	7,350.00	7,010.81	34.11	51.57	-150.69	640.33	-5,863.56	6,119.02	6,037.29	81.73	74.872		
7,450.00	7,138.25	7,350.00	7,010.81	34.21	51.57	-147.52	640.33	-5,863.56	6,159.40	6,077.56	81.84	75.258		
7,500.00	7,162.27	7,350.00	7,010.81	34.32	51.57	-143.45	640.33	-5,863.56	6,201.77	6,119.82	81.95	75.678		
7,550.00	7,182.77	7,350.00	7,010.81	34.43	51.57	-138.14	640.33	-5,863.56	6,245.82	6,163.78	82.04	76.128		
7,600.00	7,199.64	7,350.00	7,010.81	34.57	51.57	-131.18	640.33	-5,863.56	6,291.25	6,209.12	82.13	76.601		
7,650.00	7,212.76	7,350.00	7,010.81	34.76	51.57	-122.03	640.33	-5,863.56	6,337.76	6,255.55	82.21	77.094		
7,700.00	7,222.06	7,350.00	7,010.81	35.02	51.57	-110.34	640.33	-5,863.56	6,385.02	6,302.74	82.28	77.602		
7,750.00	7,227.47	7,350.00	7,010.81	35.37	51.57	-96.35	640.33	-5,863.56	6,432.75	6,350.40	82.35	78.118		
7,793.42	7,229.00	7,350.00	7,010.81	35.74	51.57	-83.36	640.33	-5,863.56	6,474.34	6,391.94	82.40	78.571		
7,800.00	7,229.01	7,350.00	7,010.81	35.80	51.57	-83.36	640.33	-5,863.56	6,480.64	6,398.23	82.41	78.640		
7,900.00	7,229.11	7,350.00	7,010.81	36.91	51.57	-83.36	640.33	-5,863.56	6,576.47	6,493.93	82.54	79.675		
8,000.00	7,229.22	7,350.00	7,010.81	38.28	51.57	-83.36	640.33	-5,863.56	6,672.43	6,589.74	82.69	80.697		
8,100.00	7,229.33	7,350.00	7,010.81	39.83	51.57	-83.36	640.33	-5,863.56	6,768.50	6,685.66	82.84	81.706		
8,200.00	7,229.43	7,350.00	7,010.81	41.53	51.57	-83.36	640.33	-5,863.56	6,864.69	6,781.68	83.00	82.703		
8,300.00	7,229.54	7,350.00	7,010.81	43.36	51.57	-83.36	640.33	-5,863.56	6,960.98	6,877.81	83.18	83.688		
8,400.00	7,229.65	7,350.00	7,010.81	45.30	51.57	-83.36	640.33	-5,863.56	7,057.38	6,974.02	83.36	84.663		
8,500.00	7,229.75	7,350.00	7,010.81	47.33	51.57	-83.36	640.33	-5,863.56	7,153.88	7,070.33	83.55	85.628		
8,600.00	7,229.86	7,350.00	7,010.81	49.45	51.57	-83.36	640.33	-5,863.56	7,250.47	7,166.73	83.74	86.583		
8,700.00	7,229.97	7,350.00	7,010.81	51.64	51.57	-83.36	640.33	-5,863.56	7,347.15	7,263.21	83.94	87.529		
8,800.00	7,230.07	7,350.00	7,010.81	53.89	51.57	-83.36	640.33	-5,863.56	7,443.92	7,359.77	84.14	88.467		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,350.00	7,010.81	56.19	51.57	-83.36	640.33	-5,863.56	7,540.77	7,456.42	84.35	89.396		
9,000.00	7,230.29	7,350.00	7,010.81	58.55	51.57	-83.36	640.33	-5,863.56	7,637.71	7,553.14	84.56	90.319		
9,100.00	7,230.39	7,350.00	7,010.81	60.94	51.57	-83.36	640.33	-5,863.56	7,734.72	7,649.94	84.78	91.234		
9,200.00	7,230.50	7,350.00	7,010.81	63.38	51.57	-83.36	640.33	-5,863.56	7,831.81	7,746.81	85.00	92.143		
9,300.00	7,230.61	7,350.00	7,010.81	65.85	51.57	-83.36	640.33	-5,863.56	7,928.97	7,843.75	85.22	93.046		
9,400.00	7,230.72	7,350.00	7,010.81	68.35	51.57	-83.36	640.33	-5,863.56	8,026.20	7,940.76	85.44	93.943		
9,500.00	7,230.82	7,350.00	7,010.81	70.87	51.57	-83.36	640.33	-5,863.56	8,123.50	8,037.84	85.66	94.834		
9,600.00	7,230.93	7,350.00	7,010.81	73.42	51.57	-83.36	640.33	-5,863.56	8,220.86	8,134.97	85.88	95.721		
9,700.00	7,231.04	7,350.00	7,010.81	75.99	51.57	-83.36	640.33	-5,863.56	8,318.28	8,232.17	86.11	96.602		
9,800.00	7,231.14	7,350.00	7,010.81	78.59	51.57	-83.36	640.33	-5,863.56	8,415.77	8,329.43	86.33	97.479		
9,900.00	7,231.25	7,350.00	7,010.81	81.19	51.57	-83.36	640.33	-5,863.56	8,513.31	8,426.75	86.56	98.352		
10,000.00	7,231.36	7,350.00	7,010.81	83.82	51.57	-83.36	640.33	-5,863.56	8,610.91	8,524.13	86.79	99.220		
10,100.00	7,231.46	7,350.00	7,010.81	86.46	51.57	-83.36	640.33	-5,863.56	8,708.57	8,621.55	87.01	100.085		
10,200.00	7,231.57	7,350.00	7,010.81	89.11	51.57	-83.36	640.33	-5,863.56	8,806.27	8,719.04	87.24	100.946		
10,300.00	7,231.68	7,350.00	7,010.81	91.77	51.57	-83.36	640.33	-5,863.56	8,904.03	8,816.57	87.46	101.803		
10,400.00	7,231.78	7,350.00	7,010.81	94.45	51.57	-83.36	640.33	-5,863.56	9,001.84	8,914.15	87.69	102.657		
10,500.00	7,231.89	7,350.00	7,010.81	97.14	51.57	-83.36	640.33	-5,863.56	9,099.69	9,011.78	87.91	103.508		
10,600.00	7,232.00	7,350.00	7,010.81	99.83	51.57	-83.36	640.33	-5,863.56	9,197.60	9,109.46	88.14	104.356		
10,700.00	7,232.10	7,350.00	7,010.81	102.53	51.57	-83.36	640.33	-5,863.56	9,295.54	9,207.18	88.36	105.202		
10,800.00	7,232.21	7,350.00	7,010.81	105.25	51.57	-83.36	640.33	-5,863.56	9,393.53	9,304.95	88.58	106.044		
10,900.00	7,232.32	7,350.00	7,010.81	107.96	51.57	-83.36	640.33	-5,863.56	9,491.56	9,402.76	88.80	106.884		
11,000.00	7,232.42	7,350.00	7,010.81	110.69	51.57	-83.36	640.33	-5,863.56	9,589.63	9,500.61	89.02	107.721		
11,100.00	7,232.53	7,350.00	7,010.81	113.42	51.57	-83.36	640.33	-5,863.56	9,687.74	9,598.50	89.24	108.556		
11,200.00	7,232.64	7,350.00	7,010.81	116.16	51.57	-83.36	640.33	-5,863.56	9,785.89	9,696.43	89.46	109.389		
11,300.00	7,232.74	7,350.00	7,010.81	118.90	51.57	-83.36	640.33	-5,863.56	9,884.08	9,794.40	89.68	110.219		
11,400.00	7,232.85	7,350.00	7,010.81	121.65	51.57	-83.36	640.33	-5,863.56	9,982.30	9,892.41	89.89	111.047		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SOUTH #6-22D - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-102.46	-1,201.95	-5,437.50	5,568.76					
100.00	100.00	53.04	53.03	3.28	3.28	-102.46	-1,201.78	-5,437.78	5,569.23	5,562.67	6.57	848.031		
200.00	200.00	107.66	107.65	3.34	3.29	-102.46	-1,201.25	-5,438.67	5,570.59	5,563.96	6.63	840.323		
300.00	299.98	205.05	205.01	3.44	3.36	63.74	-1,199.80	-5,440.74	5,571.57	5,564.78	6.79	820.205		
400.00	399.84	309.22	309.14	3.59	3.48	63.82	-1,198.34	-5,442.94	5,571.02	5,563.95	7.06	788.840		
500.00	499.45	439.60	439.49	3.79	3.70	63.99	-1,196.60	-5,445.16	5,568.54	5,561.06	7.48	744.388		
600.00	598.70	540.73	540.60	4.03	3.92	64.20	-1,194.85	-5,446.66	5,564.27	5,556.33	7.94	700.571		
700.00	697.47	631.51	631.34	4.31	4.15	64.46	-1,192.83	-5,448.20	5,558.63	5,550.18	8.45	657.598		
800.00	795.62	738.94	738.73	4.64	4.45	64.80	-1,190.53	-5,450.06	5,551.61	5,542.54	9.07	611.924		
900.00	893.06	833.87	833.62	5.00	4.73	65.19	-1,188.12	-5,451.47	5,542.87	5,533.15	9.72	570.508		
1,000.00	989.64	900.00	899.70	5.40	4.94	65.55	-1,186.00	-5,452.92	5,533.29	5,522.97	10.32	536.265		
1,100.00	1,085.27	997.93	997.54	5.83	5.27	66.05	-1,182.67	-5,455.35	5,522.68	5,511.61	11.07	498.910		
1,200.00	1,179.82	1,085.21	1,084.74	6.29	5.57	66.58	-1,179.82	-5,457.42	5,510.77	5,498.94	11.83	465.947		
1,235.00	1,212.63	1,119.93	1,119.45	6.46	5.70	66.79	-1,178.71	-5,458.26	5,506.35	5,494.23	12.12	454.473		
1,300.00	1,273.43	1,192.47	1,191.92	6.79	5.96	67.06	-1,176.42	-5,459.90	5,497.95	5,485.26	12.69	433.230		
1,400.00	1,366.98	1,262.10	1,261.51	7.30	6.21	67.32	-1,174.35	-5,461.50	5,485.30	5,471.85	13.45	407.938		
1,500.00	1,460.52	1,348.81	1,348.15	7.84	6.53	67.65	-1,172.04	-5,463.80	5,473.24	5,458.95	14.28	383.177		
1,600.00	1,554.07	1,452.98	1,452.25	8.38	6.92	68.04	-1,169.22	-5,466.37	5,461.23	5,446.02	15.20	359.203		
1,700.00	1,647.61	1,564.68	1,563.88	8.93	7.35	68.46	-1,166.25	-5,468.90	5,449.28	5,433.11	16.17	337.037		
1,800.00	1,741.16	1,669.71	1,668.86	9.49	7.75	68.86	-1,163.52	-5,470.86	5,437.19	5,420.07	17.12	317.569		
1,900.00	1,834.70	1,728.15	1,727.28	10.06	7.98	69.08	-1,162.06	-5,471.99	5,425.47	5,407.56	17.91	302.947		
2,000.00	1,928.25	1,769.09	1,768.18	10.63	8.14	69.23	-1,161.01	-5,473.18	5,414.82	5,396.18	18.64	290.537		
2,100.00	2,021.79	1,800.00	1,799.06	11.21	8.26	69.35	-1,160.19	-5,474.35	5,405.31	5,385.98	19.33	279.604		
2,200.00	2,115.33	1,839.23	1,838.22	11.79	8.42	69.51	-1,158.87	-5,476.29	5,397.02	5,376.95	20.07	268.950		
2,300.00	2,208.88	1,900.00	1,898.77	12.37	8.68	69.76	-1,155.84	-5,480.51	5,390.29	5,369.40	20.89	257.997		
2,400.00	2,302.42	1,906.46	1,905.19	12.96	8.70	69.78	-1,155.46	-5,481.03	5,384.40	5,362.90	21.50	250.435		
2,500.00	2,395.97	2,054.74	2,052.77	13.55	9.35	70.41	-1,146.58	-5,492.36	5,379.05	5,356.34	22.71	236.857		
2,600.00	2,489.51	2,145.68	2,143.20	14.14	9.76	70.81	-1,139.51	-5,498.76	5,373.28	5,349.59	23.69	226.816		
2,700.00	2,583.06	2,200.00	2,197.17	14.74	10.00	71.05	-1,134.88	-5,502.86	5,368.26	5,343.74	24.52	218.963		
2,800.00	2,676.60	2,253.47	2,250.27	15.34	10.25	71.29	-1,130.24	-5,507.26	5,364.19	5,338.84	25.34	211.672		
2,900.00	2,770.14	2,300.00	2,296.43	15.93	10.46	71.50	-1,126.28	-5,511.48	5,361.18	5,335.04	26.14	205.123		
3,000.00	2,863.69	2,354.90	2,350.85	16.53	10.72	71.75	-1,121.40	-5,516.87	5,359.18	5,332.21	26.97	198.691		
3,100.00	2,957.23	2,440.04	2,435.09	17.13	11.13	72.15	-1,112.95	-5,525.85	5,358.10	5,330.15	27.95	191.679		
3,200.00	3,050.78	2,551.45	2,545.28	17.74	11.68	72.68	-1,100.81	-5,536.89	5,356.73	5,327.66	29.07	184.253		
3,300.00	3,144.32	2,617.07	2,610.02	18.34	12.01	73.00	-1,092.42	-5,543.61	5,356.03	5,326.06	29.98	178.664		
3,337.83	3,179.71	2,641.44	2,634.04	18.57	12.14	73.12	-1,089.20	-5,546.18	5,355.98	5,325.66	30.32	176.645 CC		
3,400.00	3,237.87	2,681.52	2,673.54	18.94	12.34	73.32	-1,083.95	-5,550.50	5,356.13	5,325.25	30.88	173.432 ES		
3,500.00	3,331.41	2,740.45	2,731.59	19.55	12.65	73.61	-1,076.32	-5,557.08	5,357.06	5,325.30	31.76	168.687		
3,600.00	3,424.96	2,800.00	2,790.26	20.15	12.96	73.90	-1,068.87	-5,564.09	5,358.91	5,326.28	32.63	164.219		
3,666.72	3,487.37	2,838.37	2,828.05	20.56	13.16	74.09	-1,064.14	-5,568.79	5,360.64	5,327.44	33.21	161.428		
3,700.00	3,518.57	2,859.01	2,848.36	20.76	13.27	74.21	-1,061.59	-5,571.37	5,361.70	5,328.20	33.50	160.049		
3,800.00	3,613.09	2,917.48	2,905.90	21.34	13.58	74.57	-1,054.35	-5,578.86	5,366.06	5,331.71	34.35	156.238		
3,900.00	3,708.70	2,968.83	2,956.38	21.90	13.86	74.91	-1,047.98	-5,585.80	5,372.30	5,337.17	35.13	152.943		
4,000.00	3,805.27	3,023.08	3,009.66	22.44	14.16	75.28	-1,041.28	-5,593.53	5,380.40	5,344.51	35.89	149.900		
4,100.00	3,902.69	3,081.44	3,066.92	22.95	14.49	75.68	-1,034.21	-5,602.24	5,390.25	5,353.59	36.65	147.059		
4,200.00	4,000.84	3,187.85	3,171.26	23.43	15.09	76.24	-1,021.05	-5,618.47	5,401.47	5,363.82	37.65	143.455		
4,300.00	4,099.59	3,271.06	3,252.78	23.89	15.57	76.73	-1,010.05	-5,631.00	5,413.51	5,375.01	38.50	140.595		
4,400.00	4,198.84	3,371.84	3,351.44	24.32	16.16	77.25	-996.35	-5,646.33	5,426.65	5,387.22	39.43	137.613		
4,500.00	4,298.45	3,531.50	3,507.90	24.73	17.08	77.88	-974.43	-5,669.37	5,439.83	5,399.16	40.67	133.755		
4,600.00	4,398.30	3,622.44	3,597.08	25.11	17.59	78.33	-962.03	-5,682.19	5,453.53	5,412.04	41.49	131.434		
4,701.72	4,500.00	3,741.75	3,713.97	25.45	18.27	-87.36	-944.64	-5,698.56	5,467.90	5,425.47	42.44	128.845		
4,800.00	4,598.28	3,822.25	3,792.80	25.74	18.74	-87.24	-932.62	-5,709.61	5,482.23	5,439.11	43.12	127.134		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	3,892.46	3,861.50	26.04	19.15	-87.13	-922.10	-5,719.55	5,497.26	5,453.50	43.75	125.641		
5,000.00	4,798.28	4,021.33	3,987.76	26.34	19.89	-86.95	-903.76	-5,737.67	5,512.14	5,467.41	44.72	123.255		
5,100.00	4,898.28	4,081.36	4,046.58	26.65	20.24	-86.87	-895.31	-5,746.23	5,527.27	5,481.97	45.30	122.027		
5,200.00	4,998.28	4,149.69	4,113.45	26.96	20.64	-86.77	-885.64	-5,756.40	5,543.05	5,497.13	45.92	120.717		
5,300.00	5,098.28	4,236.27	4,198.26	27.27	21.14	-86.66	-874.54	-5,769.76	5,559.28	5,512.64	46.64	119.185		
5,400.00	5,198.28	4,333.17	4,293.30	27.59	21.71	-86.55	-862.83	-5,784.67	5,575.46	5,528.03	47.43	117.553		
5,500.00	5,298.28	4,413.70	4,372.12	27.91	22.18	-86.45	-852.25	-5,797.29	5,592.01	5,543.88	48.13	116.195		
5,600.00	5,398.28	4,543.64	4,499.37	28.23	22.95	-86.28	-834.77	-5,816.96	5,608.02	5,558.89	49.12	114.167		
5,700.00	5,498.28	4,646.04	4,599.63	28.56	23.55	-86.15	-821.13	-5,832.69	5,624.35	5,574.40	49.96	112.588		
5,800.00	5,598.28	4,794.35	4,744.93	28.89	24.42	-85.95	-800.48	-5,854.07	5,639.74	5,588.68	51.06	110.444		
5,900.00	5,698.28	4,917.56	4,865.63	29.22	25.12	-85.78	-782.53	-5,871.09	5,654.70	5,602.67	52.03	108.680		
6,000.00	5,798.28	5,008.83	4,955.16	29.56	25.64	-85.66	-769.99	-5,883.63	5,669.55	5,616.74	52.81	107.365		
6,100.00	5,898.28	5,813.27	5,753.44	29.90	29.18	-85.09	-708.09	-5,948.22	5,677.23	5,620.43	56.80	99.943		
6,200.00	5,998.28	6,011.46	5,951.59	30.24	29.90	-85.07	-705.44	-5,951.41	5,678.91	5,621.03	57.88	98.108		
6,300.00	6,098.28	6,096.55	6,036.66	30.58	30.21	-85.06	-704.44	-5,952.26	5,679.99	5,621.42	58.57	96.982		
6,400.00	6,198.28	6,217.51	6,157.61	30.92	30.65	-85.04	-702.79	-5,953.27	5,680.93	5,621.56	59.38	95.675		
6,500.00	6,298.28	6,313.46	6,253.55	31.27	31.00	-85.03	-701.32	-5,953.91	5,681.74	5,621.63	60.10	94.532		
6,600.00	6,398.28	6,395.58	6,335.65	31.62	31.30	-85.02	-700.07	-5,954.64	5,682.75	5,621.96	60.79	93.488		
6,700.00	6,498.28	6,498.42	6,438.48	31.97	31.68	-85.00	-698.71	-5,955.71	5,683.91	5,622.36	61.54	92.355		
6,794.10	6,592.38	6,618.83	6,558.88	32.31	32.13	-84.99	-697.77	-5,956.71	5,684.75	5,622.41	62.34	91.186		
6,800.00	6,598.28	6,616.63	6,556.68	32.33	32.12	-174.81	-697.76	-5,956.71	5,684.83	5,622.47	62.36	91.163		
6,850.00	6,648.21	6,656.99	6,597.03	32.51	32.27	-174.78	-697.45	-5,957.04	5,687.69	5,624.99	62.70	90.706		
6,900.00	6,697.79	6,697.02	6,637.07	32.69	32.42	-174.73	-697.05	-5,957.43	5,694.52	5,631.47	63.05	90.323		
6,950.00	6,746.73	6,751.74	6,691.78	32.86	32.62	-174.64	-696.41	-5,957.97	5,705.22	5,641.79	63.43	89.939		
7,000.00	6,794.71	6,806.60	6,746.63	33.03	32.83	-174.52	-695.73	-5,958.45	5,719.64	5,655.83	63.82	89.627		
7,050.00	6,841.44	6,840.58	6,780.61	33.20	32.95	-174.36	-695.22	-5,958.76	5,737.79	5,673.67	64.12	89.491		
7,100.00	6,886.64	6,875.43	6,815.45	33.35	33.08	-174.15	-694.61	-5,959.13	5,759.60	5,695.19	64.41	89.423 SF		
7,150.00	6,930.03	6,910.58	6,850.59	33.50	33.22	-173.89	-693.89	-5,959.56	5,784.93	5,720.24	64.69	89.425		
7,200.00	6,971.33	6,948.74	6,888.74	33.64	33.36	-173.56	-693.07	-5,960.05	5,813.57	5,748.60	64.97	89.479		
7,250.00	7,010.30	6,984.66	6,924.65	33.77	33.50	-173.16	-692.30	-5,960.53	5,845.34	5,780.11	65.23	89.609		
7,300.00	7,046.69	7,014.85	6,954.83	33.89	33.61	-172.65	-691.66	-5,960.95	5,880.04	5,814.59	65.46	89.830		
7,350.00	7,080.28	7,040.05	6,980.01	34.00	33.71	-172.00	-691.15	-5,961.33	5,917.48	5,851.83	65.65	90.136		
7,400.00	7,110.86	7,062.84	7,002.80	34.11	33.79	-171.16	-690.72	-5,961.71	5,957.42	5,891.60	65.82	90.509		
7,450.00	7,138.25	7,083.09	7,023.04	34.21	33.87	-170.05	-690.36	-5,962.08	5,999.60	5,933.63	65.97	90.945		
7,500.00	7,162.27	7,100.75	7,040.70	34.32	33.94	-168.52	-690.06	-5,962.41	6,043.75	5,977.66	66.09	91.441		
7,550.00	7,182.77	7,117.19	7,057.14	34.43	34.00	-166.34	-689.79	-5,962.74	6,089.59	6,023.39	66.20	91.983		
7,600.00	7,199.64	7,130.52	7,070.46	34.57	34.05	-162.99	-689.58	-5,963.01	6,136.83	6,070.54	66.29	92.577		
7,650.00	7,212.76	7,140.66	7,080.60	34.76	34.09	-157.31	-689.42	-5,963.22	6,185.16	6,118.81	66.35	93.217		
7,700.00	7,222.06	7,147.57	7,087.50	35.02	34.11	-146.09	-689.32	-5,963.36	6,234.30	6,167.90	66.40	93.897		
7,750.00	7,227.47	7,151.21	7,091.14	35.37	34.13	-119.30	-689.26	-5,963.44	6,283.93	6,217.51	66.42	94.610		
7,793.42	7,229.00	7,151.72	7,091.65	35.74	34.13	-75.56	-689.25	-5,963.45	6,327.19	6,260.76	66.43	95.252		
7,800.00	7,229.01	7,151.61	7,091.54	35.80	34.13	-75.55	-689.25	-5,963.45	6,333.74	6,267.32	66.43	95.351		
7,900.00	7,229.11	7,149.94	7,089.88	36.91	34.12	-75.38	-689.28	-5,963.41	6,433.38	6,366.96	66.43	96.848		
8,000.00	7,229.22	7,148.29	7,088.22	38.28	34.12	-75.21	-689.30	-5,963.38	6,533.03	6,466.60	66.43	98.342		
8,100.00	7,229.33	7,146.64	7,086.57	39.83	34.11	-75.04	-689.33	-5,963.34	6,632.70	6,566.26	66.44	99.833		
8,200.00	7,229.43	7,145.00	7,084.94	41.53	34.10	-74.87	-689.35	-5,963.31	6,732.37	6,665.92	66.45	101.320		
8,300.00	7,229.54	7,143.37	7,083.31	43.36	34.10	-74.70	-689.38	-5,963.27	6,832.05	6,765.59	66.46	102.804		
8,400.00	7,229.65	7,141.75	7,081.69	45.30	34.09	-74.54	-689.41	-5,963.24	6,931.74	6,865.27	66.47	104.285		
8,500.00	7,229.75	7,140.14	7,080.08	47.33	34.09	-74.37	-689.43	-5,963.21	7,031.44	6,964.95	66.48	105.762		
8,600.00	7,229.86	7,138.54	7,078.48	49.45	34.08	-74.21	-689.46	-5,963.17	7,131.14	7,064.64	66.50	107.235		
8,700.00	7,229.97	7,136.95	7,076.88	51.64	34.07	-74.05	-689.48	-5,963.14	7,230.85	7,164.34	66.52	108.706		
8,800.00	7,230.07	7,135.36	7,075.30	53.89	34.07	-73.88	-689.51	-5,963.11	7,330.58	7,264.04	66.54	110.173		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,133.79	7,073.72	56.19	34.06	-73.72	-689.53	-5,963.07	7,430.30	7,363.75	66.56	111.636		
9,000.00	7,230.29	7,132.22	7,072.15	58.55	34.06	-73.57	-689.55	-5,963.04	7,530.04	7,463.46	66.58	113.096		
9,100.00	7,230.39	7,130.66	7,070.60	60.94	34.05	-73.41	-689.58	-5,963.01	7,629.78	7,563.17	66.60	114.553		
9,200.00	7,230.50	7,129.11	7,069.05	63.38	34.04	-73.25	-689.60	-5,962.98	7,729.53	7,662.90	66.63	116.006		
9,300.00	7,230.61	7,127.56	7,067.50	65.85	34.04	-73.09	-689.63	-5,962.95	7,829.28	7,762.62	66.66	117.455		
9,400.00	7,230.72	7,126.03	7,065.97	68.35	34.03	-72.94	-689.65	-5,962.92	7,929.04	7,862.35	66.69	118.901		
9,500.00	7,230.82	7,124.50	7,064.44	70.87	34.03	-72.79	-689.68	-5,962.88	8,028.80	7,962.09	66.72	120.344		
9,600.00	7,230.93	7,122.99	7,062.93	73.42	34.02	-72.63	-689.70	-5,962.85	8,128.58	8,061.83	66.75	121.783		
9,700.00	7,231.04	7,121.48	7,061.42	75.99	34.01	-72.48	-689.72	-5,962.82	8,228.35	8,161.57	66.78	123.218		
9,800.00	7,231.14	7,119.97	7,059.91	78.59	34.01	-72.33	-689.75	-5,962.79	8,328.13	8,261.32	66.81	124.650		
9,900.00	7,231.25	7,118.48	7,058.42	81.19	34.00	-72.18	-689.77	-5,962.76	8,427.92	8,361.07	66.85	126.078		
10,000.00	7,231.36	7,116.99	7,056.93	83.82	34.00	-72.03	-689.80	-5,962.73	8,527.71	8,460.82	66.88	127.502		
10,100.00	7,231.46	7,115.51	7,055.46	86.46	33.99	-71.89	-689.82	-5,962.70	8,627.50	8,560.58	66.92	128.923		
10,200.00	7,231.57	7,114.04	7,053.99	89.11	33.99	-71.74	-689.84	-5,962.67	8,727.30	8,660.34	66.96	130.340		
10,300.00	7,231.68	7,112.58	7,052.52	91.77	33.98	-71.59	-689.87	-5,962.64	8,827.11	8,760.11	67.00	131.753		
10,400.00	7,231.78	7,111.12	7,051.07	94.45	33.98	-71.45	-689.89	-5,962.62	8,926.91	8,859.87	67.04	133.162		
10,500.00	7,231.89	7,109.68	7,049.62	97.14	33.97	-71.31	-689.91	-5,962.59	9,026.72	8,959.64	67.08	134.568		
10,600.00	7,232.00	7,108.24	7,048.18	99.83	33.96	-71.16	-689.94	-5,962.56	9,126.54	9,059.42	67.12	135.970		
10,700.00	7,232.10	7,106.80	7,046.75	102.53	33.96	-71.02	-689.96	-5,962.53	9,226.36	9,159.19	67.17	137.367		
10,800.00	7,232.21	7,105.38	7,045.32	105.25	33.95	-70.88	-689.98	-5,962.50	9,326.18	9,258.97	67.21	138.761		
10,900.00	7,232.32	7,100.00	7,039.95	107.96	33.93	-70.35	-690.07	-5,962.40	9,426.01	9,358.77	67.24	140.184		
11,000.00	7,232.42	7,100.00	7,039.95	110.69	33.93	-70.35	-690.07	-5,962.40	9,525.84	9,458.54	67.29	141.558		
11,100.00	7,232.53	7,100.00	7,039.95	113.42	33.93	-70.35	-690.07	-5,962.40	9,625.67	9,558.32	67.35	142.929		
11,200.00	7,232.64	7,100.00	7,039.95	116.16	33.93	-70.35	-690.07	-5,962.40	9,725.51	9,658.11	67.40	144.295		
11,300.00	7,232.74	7,100.00	7,039.95	118.90	33.93	-70.35	-690.07	-5,962.40	9,825.34	9,757.89	67.45	145.658		
11,400.00	7,232.85	7,100.00	7,039.95	121.65	33.93	-70.35	-690.07	-5,962.40	9,925.19	9,857.68	67.51	147.016		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.75	-1,231.09	-5,440.29	5,577.84					
100.00	100.00	79.09	79.09	3.28	3.28	-102.75	-1,230.94	-5,440.51	5,578.09	5,571.52	6.57	849.121		
200.00	200.00	171.71	171.70	3.34	3.32	-102.74	-1,230.45	-5,441.17	5,578.66	5,572.00	6.66	837.773		
300.00	299.98	288.06	288.05	3.44	3.44	63.47	-1,229.47	-5,441.97	5,578.37	5,571.50	6.88	811.285		
400.00	399.84	412.73	412.71	3.59	3.63	63.59	-1,227.67	-5,442.48	5,576.12	5,568.90	7.22	772.040		
500.00	499.45	512.49	512.45	3.79	3.84	63.76	-1,225.84	-5,442.76	5,572.12	5,564.49	7.63	730.690		
600.00	598.70	612.17	612.10	4.03	4.08	63.99	-1,223.82	-5,443.08	5,566.59	5,558.48	8.11	686.505		
700.00	697.47	737.56	737.46	4.31	4.42	64.34	-1,220.84	-5,443.28	5,559.35	5,550.62	8.74	636.375		
800.00	795.62	857.17	857.01	4.64	4.79	64.75	-1,217.16	-5,442.97	5,550.10	5,540.68	9.42	589.132		
900.00	893.06	900.00	899.82	5.00	4.92	65.04	-1,215.76	-5,442.82	5,539.61	5,529.70	9.91	558.775		
1,000.00	989.64	956.34	956.14	5.40	5.11	65.39	-1,214.43	-5,442.99	5,528.51	5,518.02	10.49	527.225		
1,100.00	1,085.27	1,000.00	999.80	5.83	5.25	65.73	-1,214.15	-5,443.66	5,517.25	5,506.19	11.05	499.115		
1,200.00	1,179.82	1,032.27	1,032.05	6.29	5.36	66.04	-1,214.39	-5,444.40	5,505.67	5,494.05	11.62	473.829		
1,235.00	1,212.63	1,046.82	1,046.60	6.46	5.41	66.16	-1,214.64	-5,444.79	5,501.55	5,489.71	11.84	464.814		
1,300.00	1,273.43	1,073.96	1,073.72	6.79	5.50	66.25	-1,215.32	-5,445.60	5,494.08	5,481.83	12.25	448.656		
1,400.00	1,366.98	1,128.57	1,128.25	7.30	5.70	66.42	-1,217.46	-5,447.54	5,483.43	5,470.49	12.94	423.741		
1,500.00	1,460.52	1,200.00	1,199.55	7.84	5.96	66.63	-1,220.81	-5,450.28	5,473.40	5,459.68	13.72	399.036		
1,600.00	1,554.07	1,257.78	1,257.18	8.38	6.19	66.80	-1,224.21	-5,452.71	5,464.06	5,449.59	14.47	377.705		
1,700.00	1,647.61	1,319.42	1,318.57	8.93	6.44	66.97	-1,228.90	-5,455.60	5,455.54	5,440.30	15.25	357.796		
1,800.00	1,741.16	1,400.00	1,398.71	9.49	6.79	67.18	-1,236.37	-5,459.46	5,447.55	5,431.42	16.13	337.815		
1,900.00	1,834.70	1,439.89	1,438.32	10.06	6.97	67.28	-1,240.58	-5,461.55	5,440.31	5,423.45	16.85	322.774		
2,000.00	1,928.25	1,500.00	1,497.90	10.63	7.25	67.42	-1,247.52	-5,465.42	5,434.29	5,416.61	17.68	307.402		
2,100.00	2,021.79	1,500.00	1,497.90	11.21	7.25	67.42	-1,247.52	-5,465.42	5,429.29	5,411.05	18.24	297.581		
2,200.00	2,115.33	1,547.71	1,545.07	11.79	7.49	67.53	-1,253.58	-5,469.23	5,425.49	5,406.46	19.03	285.063		
2,300.00	2,208.88	1,600.00	1,596.61	12.37	7.76	67.65	-1,260.81	-5,474.29	5,423.14	5,403.29	19.85	273.270		
2,400.00	2,302.42	1,600.00	1,596.61	12.96	7.76	67.65	-1,260.81	-5,474.29	5,421.86	5,401.44	20.41	265.589		
2,449.89	2,349.09	1,631.25	1,627.32	13.26	7.95	67.71	-1,265.48	-5,477.73	5,421.66	5,400.80	20.86	259.936 CC		
2,500.00	2,395.97	1,649.08	1,644.80	13.55	8.05	67.75	-1,268.29	-5,479.81	5,421.81	5,400.58	21.23	255.339 ES		
2,600.00	2,489.51	1,700.00	1,694.57	14.14	8.36	67.85	-1,276.92	-5,486.24	5,423.07	5,401.01	22.06	245.780		
2,700.00	2,583.06	1,752.19	1,745.41	14.74	8.70	67.94	-1,286.46	-5,493.18	5,425.24	5,402.32	22.93	236.637		
2,800.00	2,676.60	1,830.56	1,821.58	15.34	9.23	68.07	-1,301.69	-5,503.60	5,427.81	5,403.86	23.95	226.666		
2,900.00	2,770.14	1,900.00	1,888.95	15.93	9.71	68.19	-1,315.46	-5,513.20	5,430.98	5,406.06	24.93	217.887		
3,000.00	2,863.69	1,937.62	1,925.38	16.53	9.98	68.25	-1,323.11	-5,518.70	5,435.00	5,409.27	25.73	211.271		
3,100.00	2,957.23	2,000.00	1,985.51	17.13	10.45	68.34	-1,336.48	-5,528.51	5,440.21	5,413.52	26.68	203.891		
3,200.00	3,050.78	2,057.94	2,041.21	17.74	10.90	68.42	-1,349.32	-5,537.99	5,446.13	5,418.51	27.63	197.126		
3,300.00	3,144.32	2,176.17	2,154.99	18.34	11.82	68.59	-1,375.19	-5,557.02	5,452.01	5,423.04	28.97	188.173		
3,400.00	3,237.87	2,265.96	2,241.60	18.94	12.50	68.73	-1,393.97	-5,571.47	5,457.79	5,427.66	30.12	181.184		
3,500.00	3,331.41	2,366.80	2,338.80	19.55	13.27	68.88	-1,415.28	-5,587.85	5,463.78	5,432.43	31.35	174.275		
3,600.00	3,424.96	2,474.44	2,442.52	20.15	14.08	69.04	-1,438.28	-5,605.11	5,469.63	5,437.00	32.63	167.608		
3,666.72	3,487.37	2,542.94	2,508.52	20.56	14.61	69.14	-1,452.99	-5,616.02	5,473.49	5,440.02	33.47	163.521		
3,700.00	3,518.57	2,576.67	2,540.99	20.76	14.86	69.22	-1,460.39	-5,621.36	5,475.48	5,441.59	33.89	161.573		
3,800.00	3,613.09	2,806.37	2,762.22	21.34	16.58	69.57	-1,511.76	-5,655.74	5,481.94	5,445.94	36.00	152.282		
3,900.00	3,708.70	2,891.42	2,844.36	21.90	17.18	69.75	-1,530.52	-5,667.30	5,487.75	5,450.67	37.09	147.977		
4,000.00	3,805.27	2,970.31	2,920.50	22.44	17.74	69.92	-1,548.05	-5,678.26	5,495.10	5,456.99	38.11	144.201		
4,100.00	3,902.69	3,058.89	3,006.03	22.95	18.37	70.09	-1,567.26	-5,690.91	5,503.96	5,464.81	39.15	140.570		
4,200.00	4,000.84	3,211.86	3,154.25	23.43	19.41	70.26	-1,598.29	-5,712.59	5,513.82	5,473.26	40.57	135.922		
4,300.00	4,099.59	3,328.45	3,267.13	23.89	20.19	70.39	-1,622.85	-5,728.28	5,524.18	5,482.46	41.72	132.416		
4,400.00	4,198.84	3,439.75	3,375.03	24.32	20.92	70.51	-1,646.22	-5,742.43	5,534.89	5,492.08	42.81	129.304		
4,500.00	4,298.45	3,500.00	3,433.38	24.73	21.32	70.67	-1,658.90	-5,750.48	5,547.43	5,503.89	43.54	127.409		
4,600.00	4,398.30	3,600.13	3,530.34	25.11	21.99	70.79	-1,679.80	-5,764.21	5,561.51	5,517.01	44.50	124.974		
4,701.72	4,500.00	3,659.59	3,587.78	25.45	22.42	-95.20	-1,692.75	-5,772.43	5,577.27	5,532.10	45.17	123.466		
4,800.00	4,598.28	3,718.48	3,644.33	25.74	22.85	-95.34	-1,706.86	-5,780.82	5,593.79	5,547.99	45.80	122.139		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SOUTH #6-23D - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
4,900.00	4,698.28	3,783.85	3,706.93	26.04	23.36	-95.50	-1,723.06	-5,790.43	5,611.24	5,564.74	46.50	120.680				
5,000.00	4,798.28	3,852.73	3,772.81	26.34	23.91	-95.67	-1,740.20	-5,800.89	5,629.28	5,582.06	47.22	119.201				
5,100.00	4,898.28	3,949.75	3,865.75	26.65	24.68	-95.89	-1,763.57	-5,816.11	5,647.77	5,599.62	48.15	117.287				
5,200.00	4,998.28	4,105.20	4,015.53	26.96	25.83	-96.21	-1,797.66	-5,839.92	5,665.69	5,616.24	49.45	114.569				
5,300.00	5,098.28	4,244.51	4,150.37	27.27	26.78	-96.48	-1,826.25	-5,860.06	5,682.57	5,631.99	50.58	112.338				
5,400.00	5,198.28	4,337.48	4,240.48	27.59	27.41	-96.65	-1,844.80	-5,873.44	5,699.43	5,648.01	51.42	110.851				
5,500.00	5,298.28	4,425.78	4,325.95	27.91	28.02	-96.82	-1,863.08	-5,886.06	5,716.36	5,664.13	52.22	109.457				
5,600.00	5,398.28	4,500.00	4,397.60	28.23	28.54	-96.97	-1,879.12	-5,896.86	5,733.73	5,680.77	52.96	108.274				
5,700.00	5,498.28	4,591.61	4,485.93	28.56	29.20	-97.16	-1,899.35	-5,910.35	5,751.41	5,697.59	53.82	106.872				
5,800.00	5,598.28	4,646.86	4,539.17	28.89	29.61	-97.27	-1,911.56	-5,918.63	5,769.44	5,715.01	54.43	105.995				
5,900.00	5,698.28	4,700.00	4,590.33	29.22	30.00	-97.38	-1,923.20	-5,927.04	5,788.30	5,733.27	55.03	105.181				
6,000.00	5,798.28	4,756.41	4,644.62	29.56	30.44	-97.49	-1,935.36	-5,936.41	5,807.91	5,752.25	55.66	104.354				
6,100.00	5,898.28	5,965.78	5,835.25	29.90	36.27	-98.77	-2,080.79	-6,043.50	5,818.14	5,756.62	61.52	94.576				
6,200.00	5,998.28	6,050.74	5,920.20	30.24	36.52	-98.77	-2,081.36	-6,044.55	5,819.46	5,757.30	62.15	93.629				
6,300.00	6,098.28	6,151.82	6,021.27	30.58	36.82	-98.78	-2,082.14	-6,045.94	5,820.93	5,758.10	62.84	92.634				
6,400.00	6,198.28	6,267.22	6,136.65	30.92	37.17	-98.79	-2,083.40	-6,047.23	5,822.21	5,758.65	63.56	91.597				
6,500.00	6,298.28	6,396.17	6,265.59	31.27	37.56	-98.80	-2,084.98	-6,048.19	5,823.14	5,758.81	64.33	90.525				
6,600.00	6,398.28	6,481.72	6,351.14	31.62	37.82	-98.81	-2,085.90	-6,048.70	5,823.90	5,758.92	64.98	89.625				
6,700.00	6,498.28	6,609.15	6,478.56	31.97	38.21	-98.82	-2,087.27	-6,049.42	5,824.64	5,758.89	65.75	88.590				
6,794.10	6,592.38	6,715.35	6,584.74	32.31	38.54	-98.84	-2,089.03	-6,049.51	5,824.95	5,758.52	66.44	87.677				
6,800.00	6,598.28	6,713.11	6,582.50	32.33	38.53	171.34	-2,088.98	-6,049.52	5,825.01	5,758.55	66.46	87.650				
6,850.00	6,648.21	6,747.03	6,616.42	32.51	38.64	171.30	-2,089.68	-6,049.58	5,827.65	5,760.88	66.77	87.280				
6,900.00	6,697.79	6,780.69	6,650.07	32.69	38.74	171.21	-2,090.41	-6,049.73	5,834.30	5,767.22	67.08	86.979				
6,950.00	6,746.73	6,842.42	6,711.78	32.86	38.94	171.07	-2,091.84	-6,050.07	5,844.84	5,777.39	67.45	86.651				
7,000.00	6,794.71	7,000.00	6,763.63	33.03	39.43	170.87	-2,093.10	-6,050.09	5,858.88	5,790.72	68.16	85.954 SF				
7,050.00	6,841.44	6,930.58	6,799.91	33.20	39.22	170.61	-2,093.98	-6,050.14	5,876.67	5,808.59	68.09	86.313				
7,100.00	6,886.64	6,951.10	6,820.43	33.35	39.28	170.26	-2,094.45	-6,050.27	5,898.23	5,829.91	68.32	86.330				
7,150.00	6,930.03	6,970.70	6,840.02	33.50	39.34	169.82	-2,094.88	-6,050.49	5,923.39	5,854.85	68.54	86.420				
7,200.00	6,971.33	7,000.00	6,869.31	33.64	39.44	169.28	-2,095.50	-6,050.95	5,951.99	5,883.21	68.78	86.541				
7,250.00	7,010.30	7,022.94	6,892.24	33.77	39.51	168.60	-2,095.95	-6,051.38	5,983.74	5,914.76	68.98	86.747				
7,300.00	7,046.69	7,079.41	6,948.69	33.89	39.69	167.81	-2,096.96	-6,052.30	6,018.32	5,949.05	69.27	86.882				
7,350.00	7,080.28	7,124.25	6,993.52	34.00	39.84	166.81	-2,097.68	-6,052.92	6,055.47	5,985.95	69.51	87.112				
7,400.00	7,110.86	7,160.68	7,029.95	34.11	39.95	165.51	-2,098.23	-6,053.37	6,095.03	6,025.31	69.72	87.422				
7,450.00	7,138.25	7,193.29	7,062.55	34.21	40.06	163.82	-2,098.70	-6,053.75	6,136.77	6,066.87	69.90	87.790				
7,500.00	7,162.27	7,215.66	7,084.92	34.32	40.13	161.51	-2,099.01	-6,054.00	6,180.47	6,110.42	70.04	88.236				
7,550.00	7,182.77	7,233.02	7,102.28	34.43	40.19	158.27	-2,099.24	-6,054.20	6,225.86	6,155.70	70.16	88.737				
7,600.00	7,199.64	7,247.17	7,116.42	34.57	40.23	153.51	-2,099.42	-6,054.38	6,272.67	6,202.41	70.26	89.280				
7,650.00	7,212.76	7,258.02	7,127.28	34.76	40.27	146.02	-2,099.56	-6,054.51	6,320.60	6,250.26	70.34	89.860				
7,700.00	7,222.06	7,265.53	7,134.78	35.02	40.29	133.35	-2,099.65	-6,054.61	6,369.36	6,298.96	70.40	90.472				
7,750.00	7,227.47	7,269.66	7,138.91	35.37	40.30	111.34	-2,099.70	-6,054.66	6,418.65	6,348.20	70.45	91.110				
7,793.42	7,229.00	7,270.49	7,139.74	35.74	40.31	84.37	-2,099.71	-6,054.67	6,461.64	6,391.16	70.48	91.680				
7,800.00	7,229.01	7,270.42	7,139.67	35.80	40.31	84.37	-2,099.70	-6,054.67	6,468.15	6,397.67	70.48	91.767				
7,900.00	7,229.11	7,269.38	7,138.63	36.91	40.30	84.30	-2,099.69	-6,054.66	6,567.21	6,496.67	70.55	93.091				
8,000.00	7,229.22	7,268.35	7,137.60	38.28	40.30	84.24	-2,099.68	-6,054.64	6,666.30	6,595.69	70.61	94.409				
8,100.00	7,229.33	7,267.32	7,136.58	39.83	40.30	84.17	-2,099.67	-6,054.63	6,765.41	6,694.74	70.68	95.722				
8,200.00	7,229.43	7,266.30	7,135.55	41.53	40.29	84.11	-2,099.66	-6,054.62	6,864.55	6,793.81	70.75	97.030				
8,300.00	7,229.54	7,265.29	7,134.54	43.36	40.29	84.04	-2,099.64	-6,054.61	6,963.72	6,892.90	70.82	98.332				
8,400.00	7,229.65	7,264.28	7,133.53	45.30	40.29	83.98	-2,099.63	-6,054.59	7,062.91	6,992.01	70.89	99.629				
8,500.00	7,229.75	7,263.27	7,132.52	47.33	40.28	83.91	-2,099.62	-6,054.58	7,162.12	7,091.15	70.97	100.922				
8,600.00	7,229.86	7,262.27	7,131.52	49.45	40.28	83.85	-2,099.61	-6,054.57	7,261.35	7,190.30	71.04	102.209				
8,700.00	7,229.97	7,261.27	7,130.53	51.64	40.28	83.78	-2,099.60	-6,054.55	7,360.60	7,289.48	71.12	103.492				
8,800.00	7,230.07	7,260.28	7,129.54	53.89	40.27	83.72	-2,099.58	-6,054.54	7,459.87	7,388.67	71.20	104.770				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Boomerang 21-5 - SOUTH #6-23D - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS														Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,900.00	7,230.18	7,259.30	7,128.55	56.19	40.27	83.66	-2,099.57	-6,054.53	7,559.16	7,487.88	71.28	106.044				
9,000.00	7,230.29	7,258.32	7,127.57	58.55	40.27	83.60	-2,099.56	-6,054.52	7,658.47	7,587.11	71.37	107.314				
9,100.00	7,230.39	7,257.34	7,126.59	60.94	40.26	83.53	-2,099.55	-6,054.50	7,757.80	7,686.35	71.45	108.579				
9,200.00	7,230.50	7,256.37	7,125.62	63.38	40.26	83.47	-2,099.54	-6,054.49	7,857.14	7,785.61	71.53	109.840				
9,300.00	7,230.61	7,255.40	7,124.65	65.85	40.26	83.41	-2,099.52	-6,054.48	7,956.50	7,884.88	71.62	111.096				
9,400.00	7,230.72	7,254.44	7,123.69	68.35	40.26	83.35	-2,099.51	-6,054.47	8,055.88	7,984.17	71.70	112.349				
9,500.00	7,230.82	7,253.48	7,122.73	70.87	40.25	83.29	-2,099.50	-6,054.45	8,155.27	8,083.48	71.79	113.598				
9,600.00	7,230.93	7,252.53	7,121.78	73.42	40.25	83.23	-2,099.49	-6,054.44	8,254.67	8,182.80	71.88	114.842				
9,700.00	7,231.04	7,251.58	7,120.83	75.99	40.25	83.17	-2,099.48	-6,054.43	8,354.09	8,282.13	71.97	116.083				
9,800.00	7,231.14	7,250.63	7,119.89	78.59	40.24	83.10	-2,099.46	-6,054.42	8,453.53	8,381.47	72.06	117.320				
9,900.00	7,231.25	7,249.69	7,118.95	81.19	40.24	83.05	-2,099.45	-6,054.41	8,552.97	8,480.83	72.14	118.553				
10,000.00	7,231.36	7,248.76	7,118.01	83.82	40.24	82.99	-2,099.44	-6,054.40	8,652.43	8,580.20	72.23	119.783				
10,100.00	7,231.46	7,247.83	7,117.08	86.46	40.23	82.93	-2,099.43	-6,054.38	8,751.90	8,679.58	72.32	121.008				
10,200.00	7,231.57	7,246.90	7,116.16	89.11	40.23	82.87	-2,099.42	-6,054.37	8,851.39	8,778.97	72.42	122.230				
10,300.00	7,231.68	7,245.98	7,115.23	91.77	40.23	82.81	-2,099.41	-6,054.36	8,950.88	8,878.37	72.51	123.449				
10,400.00	7,231.78	7,245.06	7,114.32	94.45	40.23	82.75	-2,099.39	-6,054.35	9,050.39	8,977.79	72.60	124.663				
10,500.00	7,231.89	7,244.15	7,113.40	97.14	40.22	82.69	-2,099.38	-6,054.34	9,149.90	9,077.21	72.69	125.874				
10,600.00	7,232.00	7,243.24	7,112.49	99.83	40.22	82.63	-2,099.37	-6,054.33	9,249.43	9,176.64	72.78	127.082				
10,700.00	7,232.10	7,242.33	7,111.59	102.53	40.22	82.58	-2,099.36	-6,054.32	9,348.96	9,276.09	72.88	128.286				
10,800.00	7,232.21	7,241.43	7,110.69	105.25	40.21	82.52	-2,099.35	-6,054.31	9,448.51	9,375.54	72.97	129.486				
10,900.00	7,232.32	7,240.54	7,109.79	107.96	40.21	82.46	-2,099.34	-6,054.29	9,548.07	9,475.00	73.06	130.683				
11,000.00	7,232.42	7,239.64	7,108.90	110.69	40.21	82.41	-2,099.33	-6,054.28	9,647.63	9,574.47	73.16	131.876				
11,100.00	7,232.53	7,238.76	7,108.01	113.42	40.20	82.35	-2,099.31	-6,054.27	9,747.20	9,673.95	73.25	133.066				
11,200.00	7,232.64	7,237.87	7,107.13	116.16	40.20	82.29	-2,099.30	-6,054.26	9,846.78	9,773.44	73.35	134.252				
11,300.00	7,232.74	7,236.99	7,106.25	118.90	40.20	82.24	-2,099.29	-6,054.25	9,946.37	9,872.93	73.44	135.435				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.24	10.24	3.28	3.28	-102.86	-1,242.02	-5,440.29	5,580.26					
100.00	100.00	154.24	154.24	3.28	3.31	-102.86	-1,241.93	-5,439.20	5,579.41	5,572.81	6.60	845.930		
200.00	200.00	242.55	242.55	3.34	3.38	-102.86	-1,241.90	-5,438.51	5,578.63	5,571.92	6.72	830.175		
300.00	299.98	331.73	331.72	3.44	3.50	63.35	-1,241.92	-5,437.93	5,577.23	5,570.30	6.94	804.157		
400.00	399.84	415.66	415.65	3.59	3.64	63.44	-1,241.93	-5,437.64	5,574.55	5,567.32	7.23	771.511		
500.00	499.45	515.19	515.18	3.79	3.84	63.59	-1,241.85	-5,437.47	5,570.46	5,562.83	7.63	730.320		
600.00	598.70	624.16	624.15	4.03	4.10	63.82	-1,241.67	-5,437.11	5,564.67	5,556.53	8.13	684.228		
700.00	697.47	709.08	709.07	4.31	4.33	64.07	-1,241.60	-5,436.91	5,557.47	5,548.82	8.64	642.880		
800.00	795.62	796.98	796.97	4.64	4.58	64.38	-1,241.63	-5,436.86	5,549.00	5,539.78	9.22	601.896		
900.00	893.06	864.42	864.41	5.00	4.79	64.69	-1,241.95	-5,437.00	5,539.44	5,529.66	9.78	566.377		
1,000.00	989.64	900.00	899.98	5.40	4.90	64.96	-1,242.36	-5,437.19	5,529.14	5,518.86	10.28	537.681		
1,100.00	1,085.27	955.75	955.71	5.83	5.08	65.30	-1,243.76	-5,437.83	5,518.28	5,507.39	10.89	506.717		
1,200.00	1,179.82	1,000.00	999.90	6.29	5.24	65.62	-1,245.79	-5,438.79	5,507.18	5,495.69	11.50	479.074		
1,235.00	1,212.63	1,000.00	999.90	6.46	5.24	65.69	-1,245.79	-5,438.79	5,503.22	5,491.56	11.66	471.833		
1,300.00	1,273.43	1,038.41	1,038.23	6.79	5.38	65.80	-1,248.17	-5,439.88	5,496.01	5,483.89	12.12	453.428		
1,400.00	1,366.98	1,100.00	1,099.57	7.30	5.62	65.96	-1,253.17	-5,442.01	5,485.81	5,472.95	12.85	426.790		
1,500.00	1,460.52	1,133.35	1,132.73	7.84	5.77	66.05	-1,256.49	-5,443.35	5,476.49	5,462.97	13.51	405.279		
1,600.00	1,554.07	1,200.00	1,198.83	8.38	6.07	66.20	-1,264.43	-5,446.37	5,468.20	5,453.87	14.33	381.720		
1,700.00	1,647.61	1,240.96	1,239.35	8.93	6.27	66.29	-1,270.07	-5,448.41	5,460.69	5,445.63	15.06	362.622		
1,800.00	1,741.16	1,300.00	1,297.63	9.49	6.57	66.41	-1,278.99	-5,451.53	5,453.96	5,438.07	15.89	343.264		
1,900.00	1,834.70	1,348.33	1,345.20	10.06	6.84	66.49	-1,286.99	-5,454.36	5,448.10	5,431.41	16.69	326.381		
2,000.00	1,928.25	1,400.00	1,395.93	10.63	7.13	66.58	-1,296.25	-5,457.79	5,443.23	5,425.71	17.52	310.648		
2,100.00	2,021.79	1,486.90	1,480.95	11.21	7.66	66.72	-1,313.14	-5,463.81	5,438.98	5,420.41	18.57	292.890		
2,200.00	2,115.33	1,554.41	1,546.80	11.79	8.08	66.82	-1,327.26	-5,468.47	5,435.04	5,415.50	19.53	278.268		
2,300.00	2,208.88	1,631.27	1,621.52	12.37	8.58	66.92	-1,344.38	-5,474.12	5,431.74	5,411.17	20.57	264.073		
2,400.00	2,302.42	1,723.27	1,710.52	12.96	9.21	67.01	-1,366.78	-5,480.56	5,428.53	5,406.79	21.74	249.750		
2,500.00	2,395.97	1,782.26	1,767.22	13.55	9.64	67.06	-1,382.47	-5,484.80	5,425.89	5,403.18	22.72	238.838		
2,600.00	2,489.51	1,838.82	1,821.29	14.14	10.07	67.10	-1,398.52	-5,489.13	5,424.03	5,400.32	23.71	228.780		
2,700.00	2,583.06	1,900.00	1,879.44	14.74	10.56	67.13	-1,416.83	-5,494.16	5,422.99	5,398.24	24.75	219.135		
2,789.27	2,666.56	1,949.29	1,926.04	15.27	10.99	67.14	-1,432.31	-5,498.45	5,422.71	5,397.04	25.66	211.292 CC		
2,800.00	2,676.60	1,955.97	1,932.34	15.34	11.05	67.15	-1,434.46	-5,499.04	5,422.71	5,396.93	25.78	210.336		
2,900.00	2,770.14	2,023.13	1,995.39	15.93	11.66	67.15	-1,456.78	-5,505.14	5,423.12	5,396.20	26.92	201.425		
3,000.00	2,863.69	2,100.00	2,067.02	16.53	12.38	67.15	-1,483.74	-5,512.20	5,424.00	5,395.81	28.18	192.456 ES		
3,100.00	2,957.23	2,161.78	2,124.23	17.13	13.00	67.13	-1,506.32	-5,518.05	5,425.44	5,396.10	29.34	184.917		
3,200.00	3,050.78	2,220.36	2,178.21	17.74	13.60	67.11	-1,528.30	-5,523.93	5,427.63	5,397.15	30.48	178.093		
3,300.00	3,144.32	2,276.00	2,229.23	18.34	14.20	67.09	-1,549.69	-5,529.86	5,430.61	5,399.01	31.60	171.851		
3,400.00	3,237.87	2,333.47	2,281.67	18.94	14.83	67.06	-1,572.28	-5,536.36	5,434.40	5,401.64	32.76	165.885		
3,500.00	3,331.41	2,400.00	2,342.07	19.55	15.59	67.02	-1,599.04	-5,544.30	5,438.96	5,404.93	34.03	159.836		
3,600.00	3,424.96	2,470.19	2,405.42	20.15	16.44	66.97	-1,627.99	-5,552.93	5,444.11	5,408.73	35.37	153.908		
3,666.72	3,487.37	2,517.87	2,448.24	20.56	17.03	66.93	-1,648.11	-5,558.84	5,447.76	5,411.47	36.29	150.107		
3,700.00	3,518.57	2,537.83	2,466.08	20.76	17.28	66.95	-1,656.70	-5,561.34	5,449.77	5,413.06	36.71	148.435		
3,800.00	3,613.09	2,600.00	2,521.31	21.34	18.09	67.00	-1,684.12	-5,569.31	5,457.21	5,419.22	37.99	143.643		
3,900.00	3,708.70	2,668.19	2,581.43	21.90	19.03	67.06	-1,715.02	-5,578.29	5,466.65	5,427.29	39.36	138.874		
4,000.00	3,805.27	2,762.79	2,664.58	22.44	20.34	67.06	-1,758.30	-5,590.99	5,477.87	5,436.82	41.05	133.439		
4,100.00	3,902.69	2,887.06	2,774.67	22.95	22.01	67.00	-1,813.48	-5,607.69	5,490.24	5,447.20	43.04	127.549		
4,200.00	4,000.84	2,949.98	2,830.80	23.43	22.83	67.09	-1,840.56	-5,616.29	5,504.02	5,459.81	44.21	124.500		
4,300.00	4,099.59	3,010.00	2,884.24	23.89	23.62	67.22	-1,866.49	-5,624.94	5,519.95	5,474.65	45.30	121.856		
4,400.00	4,198.84	3,229.69	3,082.26	24.32	26.33	66.89	-1,956.23	-5,656.37	5,537.05	5,488.89	48.16	114.969		
4,500.00	4,298.45	3,343.27	3,185.48	24.73	27.62	66.86	-2,001.24	-5,671.14	5,553.83	5,504.16	49.68	111.800		
4,600.00	4,398.30	3,651.22	3,469.14	25.11	30.70	66.19	-2,115.64	-5,706.67	5,570.27	5,517.38	52.89	105.320		
4,701.72	4,500.00	3,700.00	3,514.28	25.45	31.15	-99.84	-2,133.51	-5,711.34	5,586.83	5,533.27	53.56	104.312		
4,800.00	4,598.28	3,759.91	3,569.33	25.74	31.75	-100.06	-2,156.40	-5,717.26	5,604.26	5,549.94	54.33	103.155		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	3,800.00	3,605.76	26.04	32.16	-100.22	-2,172.56	-5,721.55	5,623.27	5,568.36	54.90	102.421		
5,000.00	4,798.28	3,847.19	3,648.39	26.34	32.70	-100.41	-2,192.07	-5,726.88	5,643.28	5,587.69	55.59	101.508		
5,100.00	4,898.28	3,900.00	3,695.97	26.65	33.31	-100.62	-2,214.14	-5,733.11	5,664.15	5,607.81	56.34	100.532		
5,200.00	4,998.28	3,968.72	3,757.71	26.96	34.13	-100.90	-2,243.13	-5,741.49	5,685.75	5,628.46	57.29	99.252		
5,300.00	5,098.28	4,079.63	3,857.26	27.27	35.46	-101.35	-2,290.10	-5,755.14	5,707.75	5,649.05	58.70	97.233		
5,400.00	5,198.28	4,220.43	3,985.16	27.59	37.02	-101.88	-2,346.42	-5,772.08	5,729.02	5,668.67	60.35	94.930		
5,500.00	5,298.28	4,269.72	4,030.30	27.91	37.55	-102.06	-2,365.19	-5,778.35	5,750.70	5,689.69	61.01	94.252		
5,600.00	5,398.28	4,321.55	4,077.70	28.23	38.11	-102.24	-2,384.98	-5,785.31	5,773.25	5,711.54	61.71	93.558		
5,700.00	5,498.28	4,377.46	4,128.70	28.56	38.74	-102.44	-2,406.50	-5,793.13	5,796.57	5,734.12	62.45	92.817		
5,800.00	5,598.28	4,477.59	4,219.75	28.89	39.89	-102.79	-2,445.69	-5,807.29	5,820.43	5,756.76	63.68	91.403		
5,900.00	5,698.28	4,582.81	4,315.00	29.22	41.13	-103.18	-2,488.13	-5,821.36	5,844.14	5,779.16	64.98	89.937		
6,000.00	5,798.28	4,660.79	4,385.21	29.56	42.06	-103.47	-2,520.50	-5,831.46	5,868.06	5,802.05	66.01	88.900		
6,100.00	5,898.28	4,729.26	4,446.57	29.90	42.90	-103.74	-2,549.58	-5,840.30	5,892.47	5,825.53	66.93	88.034		
6,200.00	5,998.28	4,800.00	4,509.99	30.24	43.78	-104.00	-2,579.44	-5,849.83	5,917.49	5,849.60	67.89	87.159		
6,300.00	6,098.28	4,851.10	4,555.75	30.58	44.43	-104.20	-2,601.02	-5,856.97	5,943.16	5,874.52	68.63	86.593		
6,400.00	6,198.28	4,910.82	4,609.05	30.92	45.20	-104.42	-2,626.58	-5,865.49	5,969.53	5,900.06	69.47	85.928		
6,500.00	6,298.28	4,984.50	4,674.75	31.27	46.18	-104.70	-2,658.15	-5,876.26	5,996.44	5,925.96	70.49	85.073		
6,600.00	6,398.28	5,046.09	4,749.98	31.62	50.47	-106.02	-2,809.48	-5,921.42	6,020.57	5,945.94	74.63	80.675		
6,700.00	6,498.28	5,128.62	4,825.25	31.97	51.35	-106.30	-2,842.03	-5,930.69	6,043.83	5,968.23	75.61	79.936		
6,794.10	6,592.38	5,170.39	4,881.39	32.31	51.80	-106.44	-2,858.28	-5,935.76	6,066.45	5,990.28	76.17	79.645		
6,800.00	6,598.28	5,173.01	4,884.78	32.33	51.83	-163.70	-2,859.29	-5,936.09	6,067.92	5,991.71	76.20	79.627		
6,850.00	6,648.21	5,200.00	4,914.43	32.51	52.11	-163.22	-2,869.72	-5,939.58	6,082.51	6,005.96	76.55	79.454		
6,900.00	6,697.79	5,250.96	4,969.57	32.69	52.35	-162.64	-2,877.80	-5,942.37	6,100.85	6,024.00	76.84	79.392		
6,950.00	6,746.73	5,301.46	5,025.07	32.86	52.64	-161.90	-2,888.03	-5,945.95	6,122.76	6,045.57	77.19	79.323		
7,000.00	6,794.71	5,350.00	5,074.17	33.03	52.69	-160.84	-2,920.89	-5,958.23	6,148.09	6,058.31	78.78	68.477		
7,050.00	6,841.44	5,400.00	5,121.71	33.20	52.70	-159.73	-2,935.39	-5,963.94	6,176.21	6,085.91	80.31	68.391 SF		
7,100.00	6,886.64	5,450.00	5,169.02	33.35	52.63	-158.36	-2,956.25	-5,972.72	6,207.04	6,127.82	79.21	78.360		
7,150.00	6,930.03	5,500.00	5,216.50	33.50	52.77	-156.77	-2,961.01	-5,974.88	6,240.84	6,161.44	79.40	78.602		
7,200.00	6,971.33	5,550.00	5,263.98	33.64	52.90	-154.79	-2,965.44	-5,976.92	6,277.32	6,197.75	79.57	78.890		
7,250.00	7,010.30	5,600.00	5,311.20	33.77	52.94	-152.32	-2,976.95	-5,982.39	6,316.34	6,236.40	79.93	79.019		
7,300.00	7,046.69	5,650.00	5,358.20	33.89	52.94	-149.17	-2,976.95	-5,982.39	6,357.35	6,277.37	79.98	79.485		
7,350.00	7,080.28	5,700.00	5,405.20	34.00	52.94	-145.06	-2,976.95	-5,982.39	6,400.30	6,320.27	80.03	79.976		
7,400.00	7,110.86	5,750.00	5,452.86	34.11	52.94	-139.75	-2,982.90	-5,985.31	6,444.87	6,364.62	80.24	80.316		
7,450.00	7,138.25	5,800.00	5,500.07	34.21	52.94	-132.74	-2,988.97	-5,988.34	6,490.71	6,410.24	80.47	80.659		
7,500.00	7,162.27	5,850.00	5,547.03	34.32	52.94	-123.43	-2,993.84	-5,990.81	6,537.56	6,456.89	80.67	81.039		
7,550.00	7,182.77	5,900.00	5,594.03	34.43	52.94	-111.31	-2,997.51	-5,992.71	6,585.14	6,504.29	80.85	81.450		
7,600.00	7,199.64	5,950.00	5,641.03	34.57	52.94	-96.55	-2,999.99	-5,994.00	6,633.14	6,552.14	81.00	81.890		
7,650.00	7,212.76	6,000.00	5,688.03	34.76	52.94	-80.66	-3,001.29	-5,994.68	6,681.29	6,600.16	81.13	82.352		
7,700.00	7,222.06	6,050.00	5,735.03	35.02	52.94	-65.92	-3,001.42	-5,994.74	6,729.29	6,648.05	81.24	82.833		
7,750.00	7,227.47	6,100.00	5,782.03	35.37	52.94	-53.83	-3,000.38	-5,994.20	6,776.86	6,695.53	81.33	83.327		
7,793.42	7,229.00	6,150.00	5,829.03	35.74	52.94	-45.63	-2,998.55	-5,993.24	6,817.59	6,736.20	81.39	83.764		
7,800.00	7,229.01	6,200.00	5,876.03	35.80	52.94	-45.61	-2,998.20	-5,993.06	6,823.71	6,742.31	81.40	83.832		
7,900.00	7,229.11	6,250.00	5,923.03	36.91	52.94	-45.28	-2,993.00	-5,990.38	6,916.84	6,835.30	81.54	84.829		
8,000.00	7,229.22	6,300.00	5,970.03	38.28	52.94	-44.96	-2,987.82	-5,987.76	7,010.12	6,928.43	81.69	85.815		
8,100.00	7,229.33	6,350.00	6,017.03	39.83	52.94	-44.64	-2,982.66	-5,985.19	7,103.54	7,021.70	81.84	86.793		
8,200.00	7,229.43	6,400.00	6,064.03	41.53	52.94	-44.33	-2,977.53	-5,982.68	7,197.11	7,115.10	82.01	87.762		
8,300.00	7,229.54	6,450.00	6,111.03	43.36	52.94	-44.29	-2,976.95	-5,982.39	7,290.83	7,208.52	82.30	88.587		
8,400.00	7,229.65	6,500.00	6,158.03	45.30	52.94	-44.29	-2,976.95	-5,982.39	7,384.71	7,302.09	82.62	89.387		
8,500.00	7,229.75	6,550.00	6,205.03	47.33	52.94	-44.29	-2,976.95	-5,982.39	7,478.75	7,395.82	82.93	90.181		
8,600.00	7,229.86	6,600.00	6,252.03	49.45	52.94	-44.29	-2,976.95	-5,982.39	7,572.94	7,489.69	83.25	90.970		
8,700.00	7,229.97	6,650.00	6,299.03	51.64	52.94	-44.29	-2,976.95	-5,982.39	7,667.28	7,583.71	83.56	91.754		
8,800.00	7,230.07	6,700.00	6,346.03	53.89	52.94	-43.64	-2,966.07	-5,977.22	7,761.56	7,677.99	83.57	92.871		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	5,762.01	5,381.87	56.19	54.87	43.53	-2,964.33	-5,976.41	7,856.11	7,772.27	83.84	93.703		
9,000.00	7,230.29	5,756.83	5,377.04	58.55	54.82	43.43	-2,962.62	-5,975.62	7,950.78	7,866.67	84.11	94.531		
9,100.00	7,230.39	5,751.72	5,372.28	60.94	54.77	43.33	-2,960.94	-5,974.84	8,045.57	7,961.20	84.37	95.356		
9,200.00	7,230.50	5,746.69	5,367.59	63.38	54.72	43.23	-2,959.28	-5,974.09	8,140.48	8,055.84	84.64	96.177		
9,300.00	7,230.61	5,741.74	5,362.98	65.85	54.67	43.13	-2,957.65	-5,973.35	8,235.50	8,150.59	84.91	96.995		
9,400.00	7,230.72	5,736.86	5,358.42	68.35	54.62	43.04	-2,956.04	-5,972.63	8,330.62	8,245.45	85.17	97.811		
9,500.00	7,230.82	5,732.05	5,353.94	70.87	54.58	42.94	-2,954.46	-5,971.92	8,425.85	8,340.42	85.43	98.625		
9,600.00	7,230.93	5,727.24	5,349.46	73.42	54.53	42.85	-2,952.90	-5,971.22	8,521.32	8,435.39	85.69	99.439		
9,700.00	7,231.04	5,722.43	5,344.97	75.99	54.48	42.76	-2,951.35	-5,970.53	8,616.69	8,530.30	85.95	100.253		
9,800.00	7,231.14	5,717.62	5,340.48	78.59	54.43	42.67	-2,949.80	-5,969.84	8,712.14	8,625.31	86.21	101.067		
9,900.00	7,231.25	5,712.81	5,336.00	81.19	54.38	42.58	-2,948.26	-5,969.15	8,807.67	8,720.32	86.47	101.881		
10,000.00	7,231.36	5,708.00	5,331.51	83.82	54.33	42.49	-2,946.72	-5,968.46	8,903.27	8,815.33	86.73	102.695		
10,100.00	7,231.46	5,703.19	5,327.02	86.46	54.28	42.40	-2,945.18	-5,967.77	8,998.88	8,910.34	86.99	103.509		
10,200.00	7,231.57	5,698.38	5,322.53	89.11	54.23	42.31	-2,943.64	-5,967.08	9,094.54	9,005.35	87.25	104.323		
10,300.00	7,231.68	5,693.57	5,318.04	91.77	54.18	42.22	-2,942.10	-5,966.39	9,190.29	9,100.36	87.51	105.137		
10,400.00	7,231.78	5,688.76	5,313.55	94.45	54.13	42.13	-2,940.56	-5,965.70	9,286.11	9,195.37	87.77	105.951		
10,500.00	7,231.89	5,683.95	5,309.06	97.14	54.08	42.04	-2,939.02	-5,965.01	9,382.02	9,290.38	88.03	106.765		
10,600.00	7,232.00	5,679.14	5,304.57	99.83	54.03	41.95	-2,937.48	-5,964.32	9,478.00	9,385.39	88.29	107.579		
10,700.00	7,232.10	5,674.33	5,300.08	102.53	53.98	41.86	-2,935.94	-5,963.63	9,574.05	9,480.40	88.55	108.393		
10,800.00	7,232.21	5,669.52	5,295.59	105.25	53.93	41.77	-2,934.40	-5,962.94	9,670.21	9,575.41	88.81	109.207		
10,900.00	7,232.32	5,664.71	5,291.10	107.96	53.88	41.68	-2,932.86	-5,962.25	9,766.37	9,670.42	89.07	110.021		
11,000.00	7,232.42	5,659.90	5,286.61	110.69	53.83	41.59	-2,931.32	-5,961.56	9,862.62	9,765.43	89.33	110.835		
11,100.00	7,232.53	5,655.09	5,282.12	113.42	53.78	41.50	-2,929.78	-5,960.87	9,958.94	9,860.44	89.59	111.649		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	22.68	2,420.44	1,011.52	2,623.36					
100.00	100.00	79.26	79.26	3.28	3.28	22.68	2,420.46	1,011.59	2,623.34	2,616.77	6.57	399.347		
200.00	200.00	179.65	179.65	3.34	3.33	22.69	2,420.50	1,011.78	2,623.46	2,616.79	6.66	393.697		
300.00	299.98	278.45	278.45	3.44	3.42	-171.14	2,420.56	1,011.91	2,625.28	2,618.42	6.86	382.534		
400.00	399.84	376.65	376.65	3.59	3.57	-171.14	2,420.71	1,011.96	2,630.62	2,623.46	7.16	367.493		
500.00	499.45	474.92	474.92	3.79	3.75	-171.14	2,421.00	1,011.84	2,639.45	2,631.91	7.54	349.882		
600.00	598.70	570.89	570.89	4.03	3.97	-171.15	2,421.39	1,011.66	2,651.80	2,643.79	8.00	331.397		
700.00	697.47	670.75	670.75	4.31	4.22	-171.17	2,421.93	1,011.32	2,667.63	2,659.09	8.54	312.550		
800.00	795.62	773.14	773.14	4.64	4.51	-171.19	2,422.43	1,010.81	2,686.74	2,677.61	9.13	294.201		
900.00	893.06	870.67	870.66	5.00	4.81	-171.20	2,422.80	1,010.25	2,709.12	2,699.36	9.76	277.479		
1,000.00	989.64	965.29	965.28	5.40	5.11	-171.22	2,423.17	1,009.86	2,734.91	2,724.48	10.42	262.350		
1,100.00	1,085.27	1,355.70	1,354.93	5.83	6.57	-171.36	2,403.71	1,009.63	2,760.76	2,748.56	12.20	226.227		
1,200.00	1,179.82	1,200.00	1,661.30	6.29	5.91	-171.29	2,357.23	1,007.88	2,779.54	2,767.57	11.97	232.189		
1,235.00	1,212.63	1,235.00	1,772.27	6.46	6.07	-171.19	2,332.53	1,008.51	2,784.34	2,772.18	12.16	228.900		
1,300.00	1,273.43	1,901.64	1,890.83	6.79	9.56	-171.07	2,302.92	1,009.63	2,792.84	2,777.58	15.26	183.014		
1,400.00	1,366.98	2,075.50	2,058.50	7.30	10.72	-170.84	2,257.08	1,012.83	2,804.80	2,788.31	16.49	170.070		
1,500.00	1,460.52	1,500.00	2,327.12	7.84	6.95	-170.44	2,170.76	1,014.88	2,812.83	2,798.57	14.26	197.198		
1,600.00	1,554.07	2,743.57	2,682.36	8.38	16.27	-169.69	2,020.84	1,014.79	2,812.57	2,792.06	20.51	137.157		
1,700.00	1,647.61	2,800.00	2,733.00	8.93	16.86	-169.55	1,995.95	1,014.60	2,806.44	2,785.07	21.37	131.342		
1,800.00	1,741.16	2,854.05	2,781.93	9.49	17.37	-169.43	1,972.99	1,014.31	2,801.92	2,779.71	22.21	126.138		
1,900.00	1,834.70	2,900.00	2,824.11	10.06	17.80	-169.34	1,954.76	1,014.16	2,799.80	2,776.78	23.03	121.583		
2,000.00	1,928.25	3,077.13	2,985.61	10.63	19.43	-168.98	1,882.07	1,013.14	2,795.93	2,771.47	24.46	114.322		
2,100.00	2,021.79	3,139.32	3,042.28	11.21	19.99	-168.85	1,856.46	1,012.67	2,792.45	2,767.09	25.36	110.093		
2,200.00	2,115.33	3,200.00	3,098.11	11.79	20.52	-168.75	1,832.71	1,011.73	2,790.59	2,764.32	26.26	106.252		
2,300.00	2,208.88	3,324.91	3,213.22	12.37	21.56	-168.55	1,784.29	1,009.05	2,788.96	2,761.52	27.44	101.645		
2,400.00	2,302.42	3,400.00	3,282.34	12.96	22.19	-168.44	1,755.02	1,006.87	2,786.91	2,758.51	28.40	98.138		
2,500.00	2,395.97	3,466.18	3,343.53	13.55	22.72	-168.35	1,729.91	1,004.97	2,785.95	2,756.64	29.32	95.033		
2,502.44	2,398.25	3,467.47	3,344.73	13.57	22.73	-168.35	1,729.43	1,004.94	2,785.95	2,756.62	29.34	94.965		
2,600.00	2,489.51	3,535.27	3,407.87	14.14	23.26	-168.26	1,704.75	1,003.61	2,786.66	2,756.41	30.25	92.130		
2,700.00	2,583.06	3,632.38	3,498.27	14.74	23.99	-168.10	1,669.29	1,002.65	2,787.78	2,756.46	31.31	89.030		
2,800.00	2,676.60	3,738.92	3,597.39	15.34	24.81	-167.92	1,630.24	1,002.11	2,788.99	2,756.56	32.44	85.983		
2,900.00	2,770.14	3,876.98	3,725.08	15.93	25.91	-167.65	1,577.76	1,002.73	2,789.32	2,755.59	33.74	82.682		
3,000.00	2,863.69	4,028.59	3,864.13	16.53	27.18	-167.31	1,517.37	1,003.99	2,788.08	2,752.95	35.13	79.360		
3,100.00	2,957.23	4,139.22	3,965.05	17.13	28.14	-167.07	1,472.05	1,003.90	2,785.32	2,748.98	36.33	76.658		
3,200.00	3,050.78	4,220.19	4,039.38	17.74	28.82	-166.93	1,439.96	1,002.63	2,783.26	2,745.88	37.38	74.455		
3,300.00	3,144.32	4,337.25	4,146.76	18.34	29.80	-166.73	1,393.42	1,000.20	2,780.88	2,742.30	38.58	72.072		
3,400.00	3,237.87	4,432.78	4,234.45	18.94	30.59	-166.57	1,355.56	998.02	2,778.60	2,738.90	39.69	69.999		
3,500.00	3,331.41	4,630.08	4,414.32	19.55	32.31	-166.24	1,274.75	992.15	2,774.87	2,733.62	41.25	67.276		
3,600.00	3,424.96	4,700.00	4,477.61	20.15	32.95	-166.13	1,245.14	989.55	2,769.41	2,727.14	42.27	65.511		
3,666.72	3,487.37	4,752.56	4,525.40	20.56	33.40	-166.04	1,223.36	987.46	2,766.28	2,723.31	42.97	64.371		
3,700.00	3,518.57	4,773.13	4,544.18	20.76	33.58	-166.01	1,215.03	986.59	2,764.78	2,721.48	43.30	63.854		
3,800.00	3,613.09	4,830.30	4,596.65	21.34	34.05	-165.90	1,192.46	984.11	2,758.99	2,714.76	44.23	62.372		
3,900.00	3,708.70	4,900.00	4,661.11	21.90	34.61	-165.75	1,166.07	981.61	2,751.56	2,706.36	45.20	60.877		
4,000.00	3,805.27	4,946.74	4,704.57	22.44	34.95	-165.62	1,148.93	980.29	2,742.14	2,696.10	46.04	59.561		
4,100.00	3,902.69	5,013.16	4,766.54	22.95	35.43	-165.43	1,125.05	978.85	2,730.66	2,683.71	46.95	58.167		
4,200.00	4,000.84	5,078.30	4,827.58	23.43	35.89	-165.21	1,102.34	977.69	2,717.06	2,669.24	47.82	56.816		
4,300.00	4,099.59	5,130.07	4,876.33	23.89	36.23	-165.01	1,084.93	976.92	2,701.52	2,652.92	48.60	55.581		
4,400.00	4,198.84	5,175.19	4,919.10	24.32	36.51	-164.81	1,070.56	976.57	2,684.59	2,635.27	49.32	54.428		
4,500.00	4,298.45	5,200.00	4,942.72	24.73	36.66	-164.65	1,062.99	976.52	2,666.47	2,616.57	49.90	53.437		
4,600.00	4,398.30	5,253.98	4,994.50	25.11	36.94	-164.39	1,047.74	976.54	2,646.99	2,596.41	50.58	52.333		
4,701.72	4,500.00	5,300.00	5,039.06	25.45	37.17	29.67	1,036.27	976.56	2,626.28	2,575.10	51.17	51.320		
4,800.00	4,598.28	5,338.69	5,076.76	25.74	37.34	29.76	1,027.52	976.56	2,606.65	2,554.99	51.65	50.464		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	5,400.00	5,136.76	26.04	37.59	29.90	1,014.96	976.46	2,588.55	2,536.30	52.25	49.541		
5,000.00	4,798.28	5,444.35	5,180.36	26.34	37.75	29.99	1,006.80	976.29	2,572.13	2,519.41	52.72	48.787		
5,100.00	4,898.28	5,500.00	5,235.23	26.65	37.96	30.09	997.56	975.93	2,557.40	2,504.15	53.24	48.032		
5,200.00	4,998.28	5,563.99	5,298.51	26.96	38.17	30.19	988.11	975.40	2,544.18	2,490.39	53.79	47.296		
5,300.00	5,098.28	5,633.62	5,367.53	27.27	38.39	30.28	978.96	974.78	2,532.33	2,477.96	54.37	46.579		
5,400.00	5,198.28	5,710.71	5,444.06	27.59	38.64	30.37	969.75	973.87	2,521.41	2,466.43	54.98	45.864		
5,500.00	5,298.28	5,782.29	5,515.24	27.91	38.85	30.43	962.16	972.79	2,511.50	2,455.96	55.54	45.220		
5,600.00	5,398.28	5,848.55	5,581.21	28.23	39.04	30.48	956.14	971.63	2,502.78	2,446.73	56.06	44.648		
5,700.00	5,498.28	5,916.93	5,649.39	28.56	39.24	30.51	951.08	970.37	2,495.44	2,438.86	56.57	44.109		
5,800.00	5,598.28	6,000.00	5,732.28	28.89	39.47	30.54	945.88	968.63	2,488.99	2,431.81	57.18	43.527		
5,900.00	5,698.28	6,081.81	5,813.96	29.22	39.70	30.55	941.53	966.76	2,483.25	2,425.47	57.78	42.979		
6,000.00	5,798.28	6,158.68	5,890.72	29.56	39.91	30.56	938.19	964.93	2,478.30	2,419.97	58.33	42.486		
6,100.00	5,898.28	6,227.33	5,959.32	29.90	40.10	30.55	936.06	963.22	2,474.40	2,415.58	58.82	42.068		
6,200.00	5,998.28	6,300.00	6,031.96	30.24	40.30	30.52	935.38	961.19	2,472.06	2,412.74	59.32	41.672		
6,300.00	6,098.28	6,352.02	6,083.96	30.58	40.44	30.48	935.75	959.84	2,471.15	2,411.50	59.65	41.426		
6,310.59	6,108.87	6,358.94	6,090.87	30.62	40.46	30.48	935.83	959.69	2,471.15	2,411.45	59.70	41.395		
6,400.00	6,198.28	6,429.34	6,161.26	30.92	40.65	30.44	937.02	958.49	2,471.64	2,411.47	60.17	41.078		
6,500.00	6,298.28	6,554.14	6,286.03	31.27	41.00	30.38	938.86	956.38	2,472.09	2,411.02	61.07	40.479		
6,583.84	6,382.11	6,632.25	6,364.11	31.57	41.21	30.34	939.32	954.85	2,471.70	2,410.08	61.62	40.111		
6,600.00	6,398.28	6,642.04	6,373.91	31.62	41.24	30.34	939.43	954.68	2,471.72	2,410.04	61.68	40.070		
6,700.00	6,498.28	6,708.72	6,440.57	31.97	41.43	30.31	940.75	953.88	2,472.77	2,410.65	62.12	39.804		
6,794.10	6,592.38	6,853.38	6,585.21	32.31	41.84	30.26	942.22	952.23	2,472.92	2,409.71	63.21	39.121		
6,800.00	6,598.28	6,859.87	6,591.69	32.33	41.86	-59.56	942.22	952.18	2,472.88	2,409.62	63.26	39.091		
6,850.00	6,648.21	6,914.76	6,646.59	32.51	42.01	-59.74	942.04	951.87	2,471.37	2,407.72	63.65	38.825		
6,900.00	6,697.79	6,951.73	6,683.56	32.69	42.12	-60.11	942.08	951.60	2,468.02	2,404.13	63.88	38.634		
6,950.00	6,746.73	6,991.83	6,723.65	32.86	42.23	-60.68	942.32	951.20	2,462.90	2,398.79	64.11	38.415		
7,000.00	6,794.71	7,036.18	6,768.00	33.03	42.36	-61.50	942.82	950.61	2,456.07	2,391.71	64.36	38.163		
7,050.00	6,841.44	7,080.50	6,812.30	33.20	42.49	-62.54	943.47	949.82	2,447.51	2,382.93	64.58	37.897		
7,100.00	6,886.64	7,122.84	6,854.63	33.35	42.61	-63.79	944.23	948.88	2,437.35	2,372.57	64.78	37.625		
7,150.00	6,930.03	7,163.03	6,894.79	33.50	42.73	-65.22	945.07	947.87	2,425.74	2,360.79	64.95	37.348		
7,200.00	6,971.33	7,201.02	6,932.75	33.64	42.84	-66.83	945.97	946.80	2,412.83	2,347.73	65.10	37.065		
7,250.00	7,010.30	7,234.17	6,965.88	33.77	42.94	-68.55	946.84	945.82	2,398.82	2,333.61	65.21	36.786		
7,300.00	7,046.69	7,265.04	6,996.73	33.89	43.03	-70.38	947.72	944.90	2,383.89	2,318.58	65.31	36.499		
7,350.00	7,080.28	7,293.40	7,025.05	34.00	43.12	-72.32	948.58	944.05	2,368.24	2,302.82	65.42	36.200		
7,400.00	7,110.86	7,322.32	7,053.95	34.11	43.20	-74.37	949.52	943.15	2,352.04	2,286.47	65.56	35.873		
7,450.00	7,138.25	7,348.78	7,080.38	34.21	43.28	-76.48	950.41	942.24	2,335.45	2,269.72	65.73	35.530		
7,500.00	7,162.27	7,350.00	7,081.60	34.32	43.28	-78.06	950.45	942.20	2,318.80	2,253.08	65.72	35.283		
7,550.00	7,182.77	7,350.00	7,081.60	34.43	43.28	-79.59	950.45	942.20	2,302.34	2,236.58	65.75	35.015		
7,600.00	7,199.64	7,350.00	7,081.60	34.57	43.28	-81.11	950.45	942.20	2,286.17	2,220.32	65.85	34.717		
7,650.00	7,212.76	7,350.00	7,081.60	34.76	43.28	-82.59	950.45	942.20	2,270.42	2,204.39	66.03	34.387		
7,700.00	7,222.06	7,350.00	7,081.60	35.02	43.28	-84.02	950.45	942.20	2,255.18	2,188.90	66.28	34.025		
7,750.00	7,227.47	7,350.00	7,081.60	35.37	43.28	-85.39	950.45	942.20	2,240.55	2,173.94	66.62	33.634		
7,793.42	7,229.00	7,350.00	7,081.60	35.74	43.28	-86.52	950.45	942.20	2,228.43	2,161.46	66.98	33.272		
7,800.00	7,229.01	7,350.00	7,081.60	35.80	43.28	-86.52	950.45	942.20	2,226.65	2,159.62	67.04	33.216		
7,900.00	7,229.11	7,350.00	7,081.60	36.91	43.28	-86.52	950.45	942.20	2,201.80	2,133.72	68.08	32.341		
8,000.00	7,229.22	7,350.00	7,081.60	38.28	43.28	-86.52	950.45	942.20	2,181.26	2,111.89	69.37	31.444		
8,100.00	7,229.33	7,350.00	7,081.60	39.83	43.28	-86.52	950.45	942.20	2,165.15	2,094.27	70.88	30.547		
8,200.00	7,229.43	7,350.00	7,081.60	41.53	43.28	-86.52	950.45	942.20	2,153.56	2,080.98	72.58	29.670		
8,300.00	7,229.54	7,350.00	7,081.60	43.36	43.28	-86.52	950.45	942.20	2,146.58	2,072.12	74.45	28.831		
8,400.00	7,229.65	7,350.00	7,081.60	45.30	43.28	-86.52	950.45	942.20	2,144.24	2,067.78	76.46	28.045		
8,400.19	7,229.65	7,350.00	7,081.60	45.30	43.28	-86.52	950.45	942.20	2,144.24	2,067.78	76.46	28.043 CC, ES		
8,500.00	7,229.75	7,350.00	7,081.60	47.33	43.28	-86.52	950.45	942.20	2,146.56	2,068.00	78.56	27.323		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,229.86	7,350.00	7,081.60	49.45	43.28	-86.52	950.45	942.20	2,153.53	2,072.79	80.74	26.674		
8,700.00	7,229.97	7,350.00	7,081.60	51.64	43.28	-86.52	950.45	942.20	2,165.10	2,082.15	82.95	26.102		
8,800.00	7,230.07	7,350.00	7,081.60	53.89	43.28	-86.52	950.45	942.20	2,181.19	2,096.03	85.17	25.611		
8,900.00	7,230.18	7,350.00	7,081.60	56.19	43.28	-86.52	950.45	942.20	2,201.72	2,114.35	87.37	25.200		
9,000.00	7,230.29	7,350.00	7,081.60	58.55	43.28	-86.52	950.45	942.20	2,226.55	2,137.02	89.53	24.868		
9,100.00	7,230.39	7,350.00	7,081.60	60.94	43.28	-86.52	950.45	942.20	2,255.55	2,163.91	91.64	24.614		
9,200.00	7,230.50	7,350.00	7,081.60	63.38	43.28	-86.52	950.45	942.20	2,288.55	2,194.88	93.66	24.434		
9,300.00	7,230.61	7,350.00	7,081.60	65.85	43.28	-86.52	950.45	942.20	2,325.39	2,229.78	95.60	24.324		
9,400.00	7,230.72	7,350.00	7,081.60	68.35	43.28	-86.52	950.45	942.20	2,365.88	2,268.44	97.44	24.280 SF		
9,500.00	7,230.82	7,350.00	7,081.60	70.87	43.28	-86.52	950.45	942.20	2,409.84	2,310.66	99.18	24.298		
9,600.00	7,230.93	7,350.00	7,081.60	73.42	43.28	-86.52	950.45	942.20	2,457.09	2,356.29	100.81	24.374		
9,700.00	7,231.04	7,350.00	7,081.60	75.99	43.28	-86.52	950.45	942.20	2,507.44	2,405.11	102.33	24.504		
9,800.00	7,231.14	7,350.00	7,081.60	78.59	43.28	-86.52	950.45	942.20	2,560.71	2,456.97	103.74	24.684		
9,900.00	7,231.25	7,350.00	7,081.60	81.19	43.28	-86.52	950.45	942.20	2,616.71	2,511.66	105.05	24.909		
10,000.00	7,231.36	7,350.00	7,081.60	83.82	43.28	-86.52	950.45	942.20	2,675.29	2,569.03	106.26	25.177		
10,100.00	7,231.46	7,347.62	7,079.22	86.46	43.28	-86.46	950.37	942.28	2,736.26	2,628.91	107.35	25.489		
10,200.00	7,231.57	7,344.99	7,076.60	89.11	43.27	-86.39	950.28	942.38	2,799.47	2,691.12	108.35	25.837		
10,300.00	7,231.68	7,342.41	7,074.02	91.77	43.26	-86.32	950.19	942.47	2,864.78	2,755.51	109.27	26.218		
10,400.00	7,231.78	7,339.88	7,071.49	94.45	43.25	-86.25	950.10	942.56	2,932.04	2,821.94	110.11	26.629		
10,500.00	7,231.89	7,337.40	7,069.01	97.14	43.25	-86.19	950.02	942.65	3,001.12	2,890.25	110.87	27.069		
10,600.00	7,232.00	7,334.95	7,066.57	99.83	43.24	-86.12	949.94	942.73	3,071.91	2,960.34	111.57	27.534		
10,700.00	7,232.10	7,332.56	7,064.18	102.53	43.23	-86.06	949.86	942.81	3,144.28	3,032.07	112.20	28.023		
10,800.00	7,232.21	7,330.20	7,061.82	105.25	43.22	-85.99	949.78	942.89	3,218.12	3,105.34	112.78	28.534		
10,900.00	7,232.32	7,327.89	7,059.51	107.96	43.22	-85.93	949.70	942.97	3,293.35	3,180.04	113.31	29.066		
11,000.00	7,232.42	7,325.62	7,057.24	110.69	43.21	-85.87	949.63	943.04	3,369.86	3,256.07	113.78	29.617		
11,100.00	7,232.53	7,323.38	7,055.01	113.42	43.20	-85.81	949.55	943.12	3,447.57	3,333.35	114.22	30.185		
11,200.00	7,232.64	7,321.19	7,052.82	116.16	43.20	-85.75	949.48	943.19	3,526.40	3,411.79	114.61	30.769		
11,300.00	7,232.74	7,319.03	7,050.67	118.90	43.19	-85.70	949.41	943.26	3,606.28	3,491.32	114.97	31.368		
11,400.00	7,232.85	7,316.91	7,048.55	121.65	43.18	-85.64	949.34	943.33	3,687.14	3,571.85	115.29	31.981		
11,500.00	7,232.96	7,314.82	7,046.46	124.41	43.18	-85.58	949.27	943.40	3,768.92	3,653.34	115.58	32.608		
11,600.00	7,233.06	7,312.77	7,044.41	127.16	43.17	-85.53	949.21	943.46	3,851.56	3,735.71	115.85	33.246		
11,700.00	7,233.17	7,310.76	7,042.40	129.92	43.17	-85.48	949.14	943.52	3,935.00	3,818.90	116.09	33.896		
11,800.00	7,233.28	7,308.77	7,040.42	132.69	43.16	-85.42	949.08	943.59	4,019.19	3,902.88	116.31	34.556		
11,900.00	7,233.38	7,306.82	7,038.46	135.46	43.15	-85.37	949.01	943.65	4,104.09	3,987.58	116.51	35.226		
12,000.00	7,233.49	7,300.00	7,031.65	138.23	43.13	-85.19	948.79	943.85	4,189.67	4,073.00	116.66	35.913		
12,100.00	7,233.60	7,300.00	7,031.65	141.01	43.13	-85.19	948.79	943.85	4,275.86	4,159.02	116.83	36.597		
12,200.00	7,233.71	7,300.00	7,031.65	143.79	43.13	-85.19	948.79	943.85	4,362.63	4,245.64	116.99	37.290		
12,300.00	7,233.81	7,299.07	7,030.72	146.57	43.13	-85.16	948.76	943.88	4,449.97	4,332.84	117.13	37.991		
12,400.00	7,233.92	7,296.60	7,028.26	149.35	43.12	-85.10	948.69	943.96	4,537.83	4,420.58	117.25	38.702		
12,500.00	7,234.03	7,294.14	7,025.79	152.14	43.12	-85.03	948.61	944.03	4,626.17	4,508.82	117.36	39.420		
12,600.00	7,234.13	7,291.67	7,023.33	154.93	43.11	-84.97	948.53	944.10	4,714.98	4,597.53	117.45	40.144		
12,700.00	7,234.24	7,289.21	7,020.87	157.72	43.10	-84.90	948.45	944.18	4,804.23	4,686.70	117.54	40.874		
12,800.00	7,234.35	7,286.75	7,018.42	160.52	43.10	-84.84	948.38	944.25	4,893.90	4,776.28	117.62	41.609		
12,900.00	7,234.45	7,284.29	7,015.96	163.31	43.09	-84.77	948.30	944.32	4,983.95	4,866.27	117.69	42.349		
13,000.00	7,234.56	7,281.83	7,013.50	166.11	43.08	-84.71	948.23	944.40	5,074.38	4,956.63	117.75	43.094		
13,100.00	7,234.67	7,279.38	7,011.05	168.91	43.07	-84.64	948.15	944.47	5,165.16	5,047.35	117.81	43.844		
13,200.00	7,234.77	7,276.93	7,008.60	171.71	43.07	-84.57	948.08	944.54	5,256.27	5,138.41	117.86	44.598		
13,300.00	7,234.88	7,274.48	7,006.15	174.52	43.06	-84.51	948.00	944.62	5,347.70	5,229.79	117.91	45.355		
13,400.00	7,234.99	7,272.03	7,003.71	177.32	43.05	-84.44	947.93	944.69	5,439.43	5,321.48	117.95	46.117		
13,500.00	7,235.09	7,269.58	7,001.26	180.13	43.05	-84.38	947.85	944.76	5,531.44	5,413.46	117.99	46.882		
13,600.00	7,235.20	7,267.14	6,998.82	182.94	43.04	-84.31	947.78	944.84	5,623.73	5,505.71	118.02	47.650		
13,700.00	7,235.31	7,264.69	6,996.38	185.74	43.03	-84.25	947.71	944.91	5,716.27	5,598.22	118.05	48.422		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,235.41	7,262.25	6,993.94	188.56	43.02	-84.18	947.64	944.98	5,809.06	5,690.98	118.08	49.196		
13,900.00	7,235.52	7,259.81	6,991.50	191.37	43.02	-84.12	947.57	945.06	5,902.09	5,783.98	118.10	49.973		
14,000.00	7,235.63	7,257.37	6,989.07	194.18	43.01	-84.05	947.50	945.13	5,995.33	5,877.21	118.13	50.753		
14,100.00	7,235.73	7,254.94	6,986.63	197.00	43.00	-83.99	947.42	945.20	6,088.79	5,970.65	118.15	51.535		
14,200.00	7,235.84	7,252.50	6,984.20	199.81	42.99	-83.93	947.35	945.27	6,182.46	6,064.29	118.17	52.320		
14,300.00	7,235.95	7,250.07	6,981.77	202.63	42.99	-83.86	947.29	945.35	6,276.32	6,158.13	118.18	53.106		
14,400.00	7,236.05	7,247.64	6,979.34	205.44	42.98	-83.80	947.22	945.42	6,370.36	6,252.16	118.20	53.895		
14,500.00	7,236.16	7,245.21	6,976.91	208.26	42.97	-83.73	947.15	945.49	6,464.58	6,346.37	118.21	54.685		
14,600.00	7,236.27	7,242.79	6,974.49	211.08	42.97	-83.67	947.08	945.56	6,558.98	6,440.75	118.23	55.478		
14,700.00	7,236.37	7,240.36	6,972.07	213.90	42.96	-83.60	947.01	945.63	6,653.53	6,535.29	118.24	56.271		
14,800.00	7,236.48	7,237.94	6,969.65	216.72	42.95	-83.54	946.95	945.71	6,748.24	6,629.99	118.25	57.067		
14,900.00	7,236.59	7,235.52	6,967.23	219.55	42.94	-83.47	946.88	945.78	6,843.10	6,724.84	118.26	57.864		
15,000.00	7,236.69	7,233.10	6,964.81	222.37	42.94	-83.41	946.81	945.85	6,938.11	6,819.83	118.27	58.662		
15,100.00	7,236.80	7,230.68	6,962.39	225.19	42.93	-83.35	946.75	945.92	7,033.25	6,914.96	118.28	59.461		
15,200.00	7,236.91	7,228.27	6,959.98	228.02	42.92	-83.28	946.68	945.99	7,128.52	7,010.23	118.29	60.262		
15,300.00	7,237.02	7,225.85	6,957.57	230.84	42.92	-83.22	946.62	946.06	7,223.92	7,105.62	118.30	61.064		
15,400.00	7,237.12	7,223.44	6,955.16	233.67	42.91	-83.15	946.55	946.14	7,319.44	7,201.13	118.31	61.866		
15,500.00	7,237.23	7,221.03	6,952.75	236.50	42.90	-83.09	946.49	946.21	7,415.08	7,296.76	118.32	62.670		
15,600.00	7,237.34	7,218.62	6,950.35	239.32	42.89	-83.03	946.42	946.28	7,510.83	7,392.51	118.33	63.475		
15,700.00	7,237.44	7,216.22	6,947.94	242.15	42.89	-82.96	946.36	946.35	7,606.69	7,488.36	118.34	64.280		
15,800.00	7,237.55	7,213.81	6,945.54	244.98	42.88	-82.90	946.30	946.42	7,702.66	7,584.31	118.35	65.086		
15,900.00	7,237.66	7,211.41	6,943.14	247.81	42.87	-82.84	946.24	946.49	7,798.72	7,680.37	118.36	65.892		
16,000.00	7,237.76	7,209.01	6,940.74	250.64	42.87	-82.77	946.18	946.56	7,894.89	7,776.52	118.37	66.699		
16,100.00	7,237.87	7,206.61	6,938.34	253.47	42.86	-82.71	946.11	946.63	7,991.14	7,872.77	118.37	67.507		
16,200.00	7,237.98	7,204.21	6,935.95	256.30	42.85	-82.64	946.05	946.70	8,087.49	7,969.10	118.38	68.315		
16,300.00	7,238.08	7,201.82	6,933.55	259.13	42.85	-82.58	945.99	946.78	8,183.92	8,065.52	118.40	69.124		
16,400.00	7,238.19	7,200.00	6,931.74	261.96	42.84	-82.53	945.95	946.83	8,280.44	8,162.03	118.41	69.931		
16,500.00	7,238.30	7,200.00	6,931.74	264.79	42.84	-82.53	945.95	946.83	8,377.03	8,258.60	118.43	70.735		
16,600.00	7,238.40	7,200.00	6,931.74	267.63	42.84	-82.53	945.95	946.83	8,473.71	8,355.26	118.45	71.539		
16,700.00	7,238.51	7,200.00	6,931.74	270.46	42.84	-82.53	945.95	946.83	8,570.46	8,451.99	118.47	72.343		
16,800.00	7,238.62	7,200.00	6,931.74	273.29	42.84	-82.53	945.95	946.83	8,667.29	8,548.80	118.49	73.147		
16,900.00	7,238.72	7,200.00	6,931.74	276.13	42.84	-82.53	945.95	946.83	8,764.19	8,645.67	118.51	73.951		
17,000.00	7,238.83	7,200.00	6,931.74	278.96	42.84	-82.53	945.95	946.83	8,861.15	8,742.62	118.54	74.756		
17,100.00	7,238.94	7,200.00	6,931.74	281.80	42.84	-82.53	945.95	946.83	8,958.19	8,839.63	118.56	75.560		
17,200.00	7,239.04	7,200.00	6,931.74	284.63	42.84	-82.53	945.95	946.83	9,055.28	8,936.70	118.58	76.364		
17,300.00	7,239.15	7,200.00	6,931.74	287.47	42.84	-82.53	945.95	946.83	9,152.44	9,033.84	118.60	77.168		
17,400.00	7,239.26	7,200.00	6,931.74	290.30	42.84	-82.53	945.95	946.83	9,249.67	9,131.04	118.63	77.972		
17,500.00	7,239.36	7,182.61	6,914.36	293.14	42.79	-82.07	945.52	947.33	9,346.92	9,228.33	118.59	78.817		
17,600.00	7,239.47	7,181.14	6,912.90	295.98	42.78	-82.04	945.49	947.37	9,444.25	9,325.64	118.61	79.625		
17,700.00	7,239.58	7,179.69	6,911.44	298.81	42.78	-82.00	945.45	947.41	9,541.63	9,423.00	118.63	80.432		
17,800.00	7,239.68	7,178.24	6,909.99	301.65	42.78	-81.96	945.42	947.45	9,639.07	9,520.42	118.65	81.238		
17,900.00	7,239.79	7,176.81	6,908.56	304.49	42.77	-81.92	945.39	947.49	9,736.56	9,617.89	118.67	82.045		
18,000.00	7,239.90	7,175.38	6,907.14	307.33	42.77	-81.88	945.35	947.53	9,834.10	9,715.41	118.70	82.851		
18,095.23	7,240.00	7,174.04	6,905.80	310.03	42.76	-81.85	945.32	947.57	9,927.04	9,808.32	118.72	83.618		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,129.96	2,033.49	3.28	26.63	92.32	-209.74	5,178.57	5,585.92					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	92.12	-190.98	5,153.99	5,548.66	5,527.18	21.48	258.342		
200.00	200.00	2,250.55	2,141.62	3.34	29.37	91.97	-176.78	5,136.59	5,512.02	5,489.79	22.23	247.957		
300.00	299.98	2,300.00	2,185.87	3.44	30.49	-102.76	-161.93	5,120.26	5,476.74	5,453.72	23.02	237.872		
400.00	399.84	400.00	2,331.01	3.59	11.29	-104.05	-118.01	5,066.17	5,442.46	5,435.30	7.16	760.227		
500.00	499.45	2,628.66	2,481.69	3.79	37.85	-105.41	-75.49	5,006.37	5,406.93	5,379.19	27.74	194.926		
600.00	598.70	2,898.18	2,718.01	4.03	45.16	-107.44	6.29	4,906.10	5,370.50	5,337.99	32.51	165.182		
700.00	697.47	2,900.00	2,719.57	4.31	45.22	-108.18	6.90	4,905.41	5,334.90	5,301.94	32.96	161.859		
800.00	795.62	2,954.21	2,766.60	4.64	46.70	-109.17	24.67	4,885.12	5,301.17	5,266.76	34.41	154.079		
900.00	893.06	3,000.00	2,806.89	5.00	47.96	-110.06	38.88	4,868.67	5,270.08	5,234.30	35.78	147.284		
1,000.00	989.64	3,000.00	2,806.89	5.40	47.96	-110.63	38.88	4,868.67	5,241.28	5,204.86	36.42	143.928		
1,100.00	1,085.27	3,047.53	2,849.16	5.83	49.06	-111.44	53.01	4,852.15	5,214.94	5,177.09	37.85	137.785		
1,200.00	1,179.82	3,100.00	2,896.20	6.29	50.28	-112.25	68.06	4,834.44	5,191.19	5,151.75	39.43	131.646		
1,235.00	1,212.63	3,100.00	2,896.20	6.46	50.28	-112.40	68.06	4,834.44	5,183.40	5,143.68	39.72	130.505		
1,300.00	1,273.43	3,226.08	3,009.09	6.79	53.15	-113.28	103.96	4,791.28	5,168.85	5,126.67	42.18	122.555		
1,400.00	1,366.98	3,280.74	3,058.15	7.30	54.40	-113.66	118.93	4,772.37	5,146.99	5,103.10	43.89	117.283		
1,500.00	1,460.52	3,300.00	3,075.50	7.84	54.84	-113.79	124.01	4,765.75	5,126.32	5,081.23	45.10	113.674		
1,600.00	1,554.07	3,344.09	3,115.51	8.38	55.70	-114.09	135.18	4,750.99	5,106.93	5,060.33	46.60	109.590		
1,700.00	1,647.61	3,400.00	3,166.86	8.93	56.80	-114.46	148.40	4,733.26	5,089.32	5,041.04	48.28	105.423		
1,800.00	1,741.16	3,400.00	3,166.86	9.49	56.80	-114.46	148.40	4,733.26	5,072.71	5,023.46	49.25	103.003		
1,900.00	1,834.70	3,516.10	3,273.76	10.06	58.88	-115.22	175.61	4,697.06	5,056.97	5,005.33	51.64	97.933		
2,000.00	1,928.25	3,570.53	3,323.71	10.63	59.87	-115.59	189.00	4,680.07	5,041.93	4,988.59	53.34	94.521		
2,100.00	2,021.79	3,628.03	3,376.49	11.21	60.90	-115.98	203.42	4,662.39	5,027.97	4,972.88	55.08	91.278		
2,200.00	2,115.33	3,691.27	3,434.93	11.79	61.99	-116.40	218.16	4,643.24	5,014.98	4,958.09	56.88	88.165		
2,300.00	2,208.88	3,733.15	3,473.89	12.37	62.64	-116.67	227.22	4,630.82	5,003.07	4,944.70	58.36	85.722		
2,400.00	2,302.42	4,224.92	3,922.95	12.96	72.47	-120.00	342.28	4,469.00	4,990.69	4,924.59	66.11	75.495		
2,500.00	2,395.97	4,266.67	3,959.37	13.55	73.63	-120.32	355.35	4,453.34	4,974.19	4,906.04	68.15	72.992		
2,600.00	2,489.51	4,300.00	3,988.41	14.14	74.57	-120.58	366.08	4,441.00	4,959.04	4,889.01	70.03	70.813		
2,700.00	2,583.06	4,300.00	3,988.41	14.74	74.57	-120.58	366.08	4,441.00	4,945.67	4,874.46	71.20	69.457		
2,800.00	2,676.60	4,354.06	4,035.85	15.34	75.91	-121.00	383.38	4,421.69	4,933.41	4,859.95	73.45	67.166		
2,900.00	2,770.14	4,400.00	4,076.71	15.93	77.06	-121.35	397.58	4,406.23	4,923.15	4,847.61	75.54	65.172		
3,000.00	2,863.69	4,400.00	4,076.71	16.53	77.06	-121.35	397.58	4,406.23	4,914.26	4,837.57	76.70	64.074		
3,100.00	2,957.23	4,446.37	4,118.41	17.13	77.99	-121.70	411.32	4,391.32	4,906.97	4,828.35	78.62	62.413		
3,200.00	3,050.78	4,500.00	4,167.15	17.74	79.08	-122.09	426.34	4,374.75	4,901.14	4,820.47	80.66	60.761		
3,300.00	3,144.32	4,590.81	4,249.90	18.34	80.80	-122.75	451.28	4,346.87	4,896.28	4,813.04	83.24	58.821		
3,400.00	3,237.87	4,674.36	4,325.86	18.94	82.42	-123.36	474.33	4,320.80	4,891.80	4,806.06	85.74	57.056		
3,500.00	3,331.41	4,832.12	4,469.32	19.55	85.55	-124.50	516.27	4,270.32	4,887.13	4,797.67	89.47	54.625		
3,600.00	3,424.96	5,058.14	4,672.89	20.15	90.53	-126.17	578.08	4,194.10	4,883.03	4,788.34	94.68	51.573		
3,666.72	3,487.37	5,148.11	4,752.67	20.56	92.80	-126.85	603.66	4,161.30	4,878.88	4,781.56	97.32	50.130		
3,700.00	3,518.57	5,189.32	4,789.04	20.76	93.88	-127.13	615.57	4,146.01	4,876.71	4,778.11	98.60	49.459		
3,800.00	3,613.09	5,329.56	4,912.39	21.34	97.67	-128.05	655.79	4,092.79	4,868.55	4,765.70	102.85	47.334		
3,900.00	3,708.70	5,415.49	4,988.42	21.90	99.97	-128.51	678.92	4,060.09	4,858.66	4,752.80	105.86	45.896		
4,000.00	3,805.27	5,650.85	5,197.52	22.44	106.11	-129.88	736.05	3,968.50	4,846.03	4,734.46	111.58	43.431		
4,100.00	3,902.69	5,700.00	5,241.71	22.95	107.36	-129.94	745.72	3,949.29	4,830.52	4,716.87	113.64	42.506		
4,200.00	4,000.84	5,756.48	5,292.97	23.43	108.58	-130.00	755.95	3,927.90	4,813.83	4,698.23	115.60	41.642		
4,300.00	4,099.59	4,300.00	5,501.78	23.89	71.15	-130.93	797.47	3,839.42	4,795.18	4,708.10	87.09	55.063		
4,400.00	4,198.84	6,049.26	5,557.46	24.32	115.44	-130.91	808.84	3,814.21	4,772.60	4,650.28	122.32	39.016		
4,500.00	4,298.45	6,100.00	5,603.82	24.73	116.64	-130.78	816.55	3,795.10	4,749.31	4,625.16	124.15	38.253		
4,600.00	4,398.30	6,100.00	5,603.82	25.11	116.64	-130.40	816.55	3,795.10	4,725.06	4,599.89	125.17	37.749		
4,701.72	4,500.00	6,139.00	5,640.03	25.45	117.24	63.69	821.61	3,781.55	4,699.61	4,573.17	126.44	37.170		
4,800.00	4,598.28	6,164.88	5,664.33	25.74	117.64	63.60	824.64	3,773.16	4,675.44	4,547.95	127.49	36.674		
4,900.00	4,698.28	6,200.00	5,697.61	26.04	118.19	63.50	828.34	3,762.58	4,652.34	4,523.72	128.61	36.173		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	6,231.19	5,727.44	26.34	118.47	63.42	831.02	3,753.89	4,630.58	4,501.06	129.52	35.751		
5,100.00	4,898.28	6,277.13	5,771.78	26.65	118.89	63.33	833.56	3,742.18	4,610.00	4,479.53	130.47	35.335		
5,200.00	4,998.28	6,300.00	5,794.01	26.96	119.10	63.29	834.20	3,736.84	4,590.64	4,459.35	131.29	34.966		
5,300.00	5,098.28	6,349.34	5,842.24	27.27	119.34	63.22	834.75	3,726.45	4,572.48	4,440.46	132.02	34.634		
5,400.00	5,198.28	6,400.00	5,892.08	27.59	119.59	63.18	834.49	3,717.37	4,555.93	4,423.19	132.73	34.324		
5,500.00	5,298.28	6,400.00	5,892.08	27.91	119.59	63.18	834.49	3,717.37	4,540.67	4,407.29	133.38	34.043		
5,600.00	5,398.28	6,443.00	5,934.57	28.23	119.71	63.14	834.00	3,710.84	4,526.89	4,392.91	133.98	33.788		
5,700.00	5,498.28	6,500.00	5,991.12	28.56	119.86	63.11	833.63	3,703.72	4,514.99	4,380.42	134.57	33.552		
5,800.00	5,598.28	6,500.00	5,991.12	28.89	119.86	63.11	833.63	3,703.72	4,504.06	4,368.96	135.10	33.338		
5,900.00	5,698.28	6,500.00	5,991.12	29.22	119.86	63.11	833.63	3,703.72	4,495.33	4,359.75	135.58	33.156		
6,000.00	5,798.28	6,545.63	6,036.55	29.56	119.93	63.08	833.69	3,699.49	4,487.77	4,351.70	136.06	32.983		
6,100.00	5,898.28	6,600.00	6,090.84	29.90	120.02	63.06	834.40	3,696.51	4,482.73	4,346.19	136.54	32.832		
6,200.00	5,998.28	6,600.00	6,090.84	30.24	120.02	63.06	834.40	3,696.51	4,478.43	4,341.54	136.89	32.715		
6,300.00	6,098.28	6,635.53	6,126.34	30.58	120.06	63.04	835.04	3,695.40	4,476.14	4,338.88	137.27	32.609		
6,400.00	6,198.28	6,700.00	6,190.79	30.92	120.12	63.02	835.89	3,694.00	4,474.80	4,337.11	137.68	32.501		
6,500.00	6,298.28	6,795.29	6,286.07	31.27	120.22	63.01	836.85	3,692.55	4,473.90	4,335.75	138.16	32.383		
6,600.00	6,398.28	6,913.79	6,404.54	31.62	120.34	62.98	837.88	3,690.64	4,472.86	4,334.18	138.68	32.253		
6,700.00	6,498.28	7,011.63	6,502.37	31.97	120.44	62.96	838.84	3,688.79	4,471.62	4,332.45	139.17	32.130		
6,794.10	6,592.38	7,088.42	6,579.13	32.31	120.52	62.94	839.96	3,687.34	4,470.67	4,331.06	139.61	32.024		
6,800.00	6,598.28	7,093.23	6,583.94	32.33	120.52	-26.88	840.05	3,687.26	4,470.60	4,330.96	139.63	32.017		
6,850.00	6,648.21	7,142.37	6,633.06	32.51	120.57	-27.02	841.01	3,686.34	4,468.05	4,328.15	139.90	31.937		
6,900.00	6,697.79	7,192.74	6,683.41	32.69	120.63	-27.32	842.17	3,685.29	4,462.01	4,321.82	140.19	31.829		
6,950.00	6,746.73	7,253.05	6,743.69	32.86	120.70	-27.83	843.64	3,683.92	4,452.47	4,311.96	140.51	31.688		
7,000.00	6,794.71	7,313.83	6,804.43	33.03	120.76	-28.54	844.94	3,682.43	4,439.42	4,298.58	140.84	31.521		
7,050.00	6,841.44	7,353.94	6,844.52	33.20	120.81	-29.40	845.76	3,681.46	4,423.08	4,281.95	141.13	31.340		
7,100.00	6,886.64	7,396.15	6,886.71	33.35	120.86	-30.50	846.59	3,680.47	4,403.59	4,262.15	141.44	31.135		
7,150.00	6,930.03	7,438.28	6,928.82	33.50	120.91	-31.84	847.35	3,679.54	4,381.08	4,239.33	141.75	30.907		
7,200.00	6,971.33	7,478.54	6,969.07	33.64	120.95	-33.48	847.96	3,678.71	4,355.69	4,213.63	142.06	30.660		
7,250.00	7,010.30	7,513.29	7,003.81	33.77	120.99	-35.41	848.39	3,678.06	4,327.60	4,185.23	142.37	30.397		
7,300.00	7,046.69	7,541.81	7,032.33	33.89	121.02	-37.69	848.75	3,677.57	4,297.03	4,154.35	142.68	30.117		
7,350.00	7,080.28	7,568.16	7,058.67	34.00	121.05	-40.38	849.09	3,677.16	4,264.19	4,121.20	142.99	29.822		
7,400.00	7,110.86	7,592.16	7,082.67	34.11	121.08	-43.56	849.41	3,676.82	4,229.28	4,085.97	143.31	29.511		
7,450.00	7,138.25	7,620.19	7,110.69	34.21	121.11	-47.39	849.77	3,676.46	4,192.51	4,048.85	143.66	29.183		
7,500.00	7,162.27	7,648.01	7,138.51	34.32	121.14	-51.92	850.05	3,676.12	4,154.07	4,010.04	144.03	28.842		
7,550.00	7,182.77	7,650.00	7,140.50	34.43	121.14	-56.76	850.06	3,676.10	4,114.28	3,969.92	144.36	28.500		
7,600.00	7,199.64	7,650.00	7,140.50	34.57	121.14	-62.25	850.06	3,676.10	4,073.43	3,928.72	144.71	28.149		
7,650.00	7,212.76	7,650.00	7,140.50	34.76	121.14	-68.42	850.06	3,676.10	4,031.74	3,886.66	145.08	27.790		
7,700.00	7,222.06	7,650.00	7,140.50	35.02	121.14	-75.19	850.06	3,676.10	3,989.45	3,843.97	145.48	27.422		
7,750.00	7,227.47	7,650.00	7,140.50	35.37	121.14	-82.40	850.06	3,676.10	3,946.81	3,800.90	145.91	27.049		
7,793.42	7,229.00	7,650.00	7,140.50	35.74	121.14	-88.81	850.06	3,676.10	3,909.69	3,763.38	146.31	26.722		
7,800.00	7,229.01	7,650.00	7,140.50	35.80	121.14	-88.81	850.06	3,676.10	3,904.07	3,757.70	146.37	26.672		
7,900.00	7,229.11	7,650.00	7,140.50	36.91	121.14	-88.81	850.06	3,676.10	3,819.04	3,671.66	147.38	25.913		
8,000.00	7,229.22	7,650.00	7,140.50	38.28	121.14	-88.81	850.06	3,676.10	3,734.74	3,586.25	148.49	25.152		
8,100.00	7,229.33	7,650.00	7,140.50	39.83	121.14	-88.81	850.06	3,676.10	3,651.23	3,501.52	149.71	24.389		
8,200.00	7,229.43	7,650.00	7,140.50	41.53	121.14	-88.81	850.06	3,676.10	3,568.57	3,417.52	151.05	23.625		
8,300.00	7,229.54	7,650.00	7,140.50	43.36	121.14	-88.81	850.06	3,676.10	3,486.83	3,334.31	152.52	22.862		
8,400.00	7,229.65	7,650.00	7,140.50	45.30	121.14	-88.81	850.06	3,676.10	3,406.05	3,251.94	154.11	22.102		
8,500.00	7,229.75	7,650.00	7,140.50	47.33	121.14	-88.81	850.06	3,676.10	3,326.32	3,170.49	155.84	21.345		
8,600.00	7,229.86	7,650.00	7,140.50	49.45	121.14	-88.81	850.06	3,676.10	3,247.71	3,090.02	157.70	20.595		
8,700.00	7,229.97	7,650.00	7,140.50	51.64	121.14	-88.81	850.06	3,676.10	3,170.31	3,010.62	159.70	19.852		
8,800.00	7,230.07	7,650.00	7,140.50	53.89	121.14	-88.81	850.06	3,676.10	3,094.21	2,932.38	161.83	19.120		
8,900.00	7,230.18	7,650.00	7,140.50	56.19	121.14	-88.81	850.06	3,676.10	3,019.49	2,855.39	164.10	18.400		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	7,650.00	7,140.50	58.55	121.14	-88.81	850.06	3,676.10	2,946.28	2,779.78	166.50	17.695		
9,100.00	7,230.39	7,650.00	7,140.50	60.94	121.14	-88.81	850.06	3,676.10	2,874.68	2,705.65	169.03	17.007		
9,200.00	7,230.50	7,650.00	7,140.50	63.38	121.14	-88.81	850.06	3,676.10	2,804.82	2,633.14	171.68	16.338		
9,300.00	7,230.61	7,650.00	7,140.50	65.85	121.14	-88.81	850.06	3,676.10	2,736.83	2,562.39	174.44	15.689		
9,400.00	7,230.72	7,650.00	7,140.50	68.35	121.14	-88.81	850.06	3,676.10	2,670.86	2,493.56	177.30	15.064		
9,500.00	7,230.82	7,650.00	7,140.50	70.87	121.14	-88.81	850.06	3,676.10	2,607.05	2,426.81	180.24	14.464		
9,600.00	7,230.93	7,650.00	7,140.50	73.42	121.14	-88.81	850.06	3,676.10	2,545.57	2,362.32	183.25	13.891		
9,700.00	7,231.04	7,650.00	7,140.50	75.99	121.14	-88.81	850.06	3,676.10	2,486.60	2,300.30	186.30	13.347		
9,800.00	7,231.14	7,650.00	7,140.50	78.59	121.14	-88.81	850.06	3,676.10	2,430.31	2,240.93	189.38	12.833		
9,900.00	7,231.25	7,650.00	7,140.50	81.19	121.14	-88.81	850.06	3,676.10	2,376.90	2,184.45	192.45	12.351		
10,000.00	7,231.36	7,650.00	7,140.50	83.82	121.14	-88.81	850.06	3,676.10	2,326.56	2,131.08	195.48	11.902		
10,100.00	7,231.46	7,650.00	7,140.50	86.46	121.14	-88.81	850.06	3,676.10	2,279.50	2,081.07	198.43	11.488		
10,200.00	7,231.57	7,650.00	7,140.50	89.11	121.14	-88.81	850.06	3,676.10	2,235.92	2,034.66	201.26	11.110		
10,300.00	7,231.68	7,650.00	7,140.50	91.77	121.14	-88.81	850.06	3,676.10	2,196.03	1,992.10	203.94	10.768		
10,400.00	7,231.78	7,650.00	7,140.50	94.45	121.14	-88.81	850.06	3,676.10	2,160.04	1,953.64	206.41	10.465		
10,500.00	7,231.89	7,650.00	7,140.50	97.14	121.14	-88.81	850.06	3,676.10	2,128.15	1,919.52	208.63	10.200		
10,600.00	7,232.00	7,650.00	7,140.50	99.83	121.14	-88.81	850.06	3,676.10	2,100.54	1,889.97	210.57	9.976		
10,700.00	7,232.10	7,650.00	7,140.50	102.53	121.14	-88.81	850.06	3,676.10	2,077.37	1,865.21	212.16	9.791		
10,800.00	7,232.21	7,650.00	7,140.50	105.25	121.14	-88.81	850.06	3,676.10	2,058.81	1,845.42	213.39	9.648		
10,900.00	7,232.32	7,650.00	7,140.50	107.96	121.14	-88.81	850.06	3,676.10	2,044.98	1,830.77	214.21	9.547		
11,000.00	7,232.42	7,650.00	7,140.50	110.69	121.14	-88.81	850.06	3,676.10	2,035.97	1,821.36	214.61	9.487		
11,100.00	7,232.53	7,650.00	7,140.50	113.42	121.14	-88.81	850.06	3,676.10	2,031.85	1,817.29	214.56	9.470 SF		
11,133.85	7,232.57	7,650.00	7,140.50	114.35	121.14	-88.81	850.06	3,676.10	2,031.57	1,817.12	214.44	9.474 CC, ES		
11,200.00	7,232.64	7,650.00	7,140.50	116.16	121.14	-88.81	850.06	3,676.10	2,032.64	1,818.57	214.07	9.495		
11,300.00	7,232.74	7,650.00	7,140.50	118.90	121.14	-88.81	850.06	3,676.10	2,038.35	1,825.21	213.14	9.563		
11,400.00	7,232.85	7,650.00	7,140.50	121.65	121.14	-88.81	850.06	3,676.10	2,048.93	1,837.14	211.79	9.674		
11,500.00	7,232.96	7,650.00	7,140.50	124.41	121.14	-88.81	850.06	3,676.10	2,064.30	1,854.25	210.05	9.828		
11,600.00	7,233.06	7,650.00	7,140.50	127.16	121.14	-88.81	850.06	3,676.10	2,084.36	1,876.41	207.95	10.023		
11,700.00	7,233.17	7,650.00	7,140.50	129.92	121.14	-88.81	850.06	3,676.10	2,108.98	1,903.44	205.54	10.261		
11,800.00	7,233.28	7,650.00	7,140.50	132.69	121.14	-88.81	850.06	3,676.10	2,137.99	1,935.14	202.86	10.539		
11,900.00	7,233.38	7,650.00	7,140.50	135.46	121.14	-88.81	850.06	3,676.10	2,171.23	1,971.28	199.96	10.859		
12,000.00	7,233.49	7,650.00	7,140.50	138.23	121.14	-88.81	850.06	3,676.10	2,208.50	2,011.61	196.89	11.217		
12,100.00	7,233.60	7,650.00	7,140.50	141.01	121.14	-88.81	850.06	3,676.10	2,249.60	2,055.89	193.71	11.613		
12,200.00	7,233.71	7,650.00	7,140.50	143.79	121.14	-88.81	850.06	3,676.10	2,294.33	2,103.87	190.46	12.046		
12,300.00	7,233.81	7,650.00	7,140.50	146.57	121.14	-88.81	850.06	3,676.10	2,342.47	2,155.28	187.19	12.514		
12,400.00	7,233.92	7,650.00	7,140.50	149.35	121.14	-88.81	850.06	3,676.10	2,393.83	2,209.89	183.94	13.014		
12,500.00	7,234.03	12,500.00	7,144.80	152.14	126.53	-88.93	850.11	3,676.05	2,448.19	2,256.62	191.57	12.780		
12,600.00	7,234.13	12,600.00	7,143.67	154.93	126.65	-88.90	850.10	3,676.06	2,505.37	2,316.23	189.13	13.247		
12,700.00	7,234.24	12,700.00	7,142.54	157.72	126.76	-88.87	850.09	3,676.07	2,565.17	2,378.34	186.83	13.730		
12,800.00	7,234.35	7,659.96	7,150.46	160.52	121.15	-89.09	850.14	3,675.98	2,627.40	2,455.60	171.80	15.293		
12,900.00	7,234.45	7,658.52	7,149.02	163.31	121.15	-89.05	850.13	3,676.00	2,691.93	2,522.82	169.11	15.918		
13,000.00	7,234.56	7,657.07	7,147.57	166.11	121.15	-89.01	850.12	3,676.02	2,758.58	2,591.99	166.59	16.559		
13,100.00	7,234.67	7,655.61	7,146.11	168.91	121.15	-88.97	850.11	3,676.03	2,827.19	2,662.93	164.26	17.212		
13,200.00	7,234.77	7,654.15	7,144.65	171.71	121.14	-88.93	850.10	3,676.05	2,897.63	2,735.52	162.11	17.875		
13,300.00	7,234.88	7,652.68	7,143.18	174.52	121.14	-88.89	850.08	3,676.07	2,969.76	2,809.61	160.15	18.544		
13,400.00	7,234.99	7,651.20	7,141.70	177.32	121.14	-88.85	850.07	3,676.08	3,043.47	2,885.09	158.38	19.216		
13,500.00	7,235.09	7,649.71	7,140.21	180.13	121.14	-88.81	850.06	3,676.10	3,118.64	2,961.85	156.79	19.891		
13,600.00	7,235.20	7,648.22	7,138.71	182.94	121.14	-88.76	850.05	3,676.12	3,195.18	3,039.81	155.37	20.564		
13,700.00	7,235.31	7,646.71	7,137.21	185.74	121.14	-88.72	850.04	3,676.14	3,272.98	3,118.86	154.12	21.237		
13,800.00	7,235.41	7,645.20	7,135.70	188.56	121.13	-88.68	850.02	3,676.16	3,351.96	3,198.94	153.01	21.906		
13,900.00	7,235.52	7,643.68	7,134.18	191.37	121.13	-88.64	850.01	3,676.17	3,432.03	3,279.98	152.05	22.572		
14,000.00	7,235.63	7,642.15	7,132.65	194.18	121.13	-88.59	850.00	3,676.19	3,513.12	3,361.92	151.21	23.234		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	7,640.62	7,131.11	197.00	121.13	-88.55	849.98	3,676.21	3,595.17	3,444.70	150.47	23.892		
14,200.00	7,235.84	7,639.07	7,129.57	199.81	121.13	-88.51	849.97	3,676.23	3,678.11	3,528.26	149.84	24.547		
14,300.00	7,235.95	7,637.52	7,128.02	202.63	121.13	-88.46	849.95	3,676.25	3,761.87	3,612.57	149.30	25.197		
14,400.00	7,236.05	7,635.96	7,126.46	205.44	121.12	-88.42	849.94	3,676.27	3,846.41	3,697.58	148.83	25.845		
14,500.00	7,236.16	7,634.39	7,124.89	208.26	121.12	-88.37	849.92	3,676.29	3,931.68	3,783.25	148.43	26.489		
14,600.00	7,236.27	7,632.81	7,123.31	211.08	121.12	-88.33	849.91	3,676.31	4,017.62	3,869.54	148.08	27.131		
14,700.00	7,236.37	7,631.22	7,121.72	213.90	121.12	-88.28	849.89	3,676.33	4,104.20	3,956.41	147.79	27.771		
14,800.00	7,236.48	7,629.62	7,120.12	216.72	121.12	-88.24	849.87	3,676.35	4,191.38	4,043.84	147.54	28.408		
14,900.00	7,236.59	7,628.02	7,118.52	219.55	121.12	-88.19	849.86	3,676.37	4,279.12	4,131.79	147.33	29.045		
15,000.00	7,236.69	7,626.41	7,116.91	222.37	121.11	-88.15	849.84	3,676.39	4,367.38	4,220.23	147.15	29.680		
15,100.00	7,236.80	7,624.78	7,115.28	225.19	121.11	-88.10	849.82	3,676.41	4,456.14	4,309.14	147.00	30.314		
15,200.00	7,236.91	7,623.15	7,113.65	228.02	121.11	-88.06	849.80	3,676.43	4,545.37	4,398.49	146.87	30.948		
15,300.00	7,237.02	7,621.51	7,112.01	230.84	121.11	-88.01	849.79	3,676.45	4,635.03	4,488.27	146.77	31.581		
15,400.00	7,237.12	7,619.86	7,110.36	233.67	121.11	-87.96	849.77	3,676.47	4,725.11	4,578.43	146.68	32.214		
15,500.00	7,237.23	7,618.20	7,108.70	236.50	121.10	-87.92	849.75	3,676.49	4,815.58	4,668.98	146.61	32.847		
15,600.00	7,237.34	7,616.53	7,107.03	239.32	121.10	-87.87	849.73	3,676.51	4,906.43	4,759.88	146.55	33.480		
15,700.00	7,237.44	7,614.85	7,105.36	242.15	121.10	-87.82	849.71	3,676.53	4,997.62	4,851.11	146.50	34.113		
15,800.00	7,237.55	7,613.17	7,103.67	244.98	121.10	-87.78	849.69	3,676.55	5,089.14	4,942.67	146.47	34.746		
15,900.00	7,237.66	7,611.47	7,101.97	247.81	121.10	-87.73	849.67	3,676.57	5,180.97	5,034.53	146.44	35.379		
16,000.00	7,237.76	7,609.76	7,100.26	250.64	121.10	-87.68	849.64	3,676.60	5,273.10	5,126.68	146.42	36.013		
16,100.00	7,237.87	7,608.05	7,098.55	253.47	121.09	-87.63	849.62	3,676.62	5,365.51	5,219.11	146.41	36.648		
16,200.00	7,237.98	7,606.32	7,096.82	256.30	121.09	-87.58	849.60	3,676.64	5,458.19	5,311.79	146.40	37.282		
16,300.00	7,238.08	7,604.58	7,095.09	259.13	121.09	-87.53	849.58	3,676.66	5,551.13	5,404.73	146.40	37.917		
16,400.00	7,238.19	7,602.84	7,093.34	261.96	121.09	-87.48	849.55	3,676.68	5,644.30	5,497.90	146.40	38.553		
16,500.00	7,238.30	7,601.08	7,091.58	264.79	121.09	-87.43	849.53	3,676.71	5,737.70	5,591.29	146.41	39.189		
16,600.00	7,238.40	5,047.69	4,663.58	267.63	90.28	-34.85	575.18	4,197.84	5,823.12	5,692.66	130.46	44.636		
16,700.00	7,238.51	5,031.66	4,649.27	270.46	89.89	-34.63	570.76	4,203.56	5,908.28	5,777.90	130.38	45.317		
16,800.00	7,238.62	5,000.00	4,620.93	273.29	89.12	-34.20	562.15	4,214.74	5,993.85	5,863.78	130.07	46.083		
16,900.00	7,238.72	5,000.00	4,620.93	276.13	89.12	-34.20	562.15	4,214.74	6,079.67	5,949.46	130.21	46.691		
17,000.00	7,238.83	5,000.00	4,620.93	278.96	89.12	-34.20	562.15	4,214.74	6,165.93	6,035.58	130.35	47.304		
17,100.00	7,238.94	5,000.00	4,620.93	281.80	89.12	-34.20	562.15	4,214.74	6,252.59	6,122.11	130.48	47.921		
17,200.00	7,239.04	4,961.61	4,586.44	284.63	88.28	-33.69	551.74	4,228.00	6,339.33	6,209.27	130.06	48.741		
17,300.00	7,239.15	4,949.32	4,575.37	287.47	88.02	-33.52	548.38	4,232.15	6,426.53	6,296.52	130.01	49.431		
17,400.00	7,239.26	4,937.30	4,564.53	290.30	87.75	-33.36	545.08	4,236.17	6,514.03	6,384.08	129.95	50.125		
17,500.00	7,239.36	4,900.00	4,530.83	293.14	86.94	-32.87	534.75	4,248.35	6,601.97	6,472.43	129.54	50.966		
17,600.00	7,239.47	4,900.00	4,530.83	295.98	86.94	-32.87	534.75	4,248.35	6,689.96	6,560.31	129.65	51.602		
17,700.00	7,239.58	4,908.40	4,538.43	298.81	87.11	-32.98	537.10	4,245.66	6,778.28	6,648.41	129.86	52.195		
17,800.00	7,239.68	4,874.29	4,507.54	301.65	86.41	-32.53	527.65	4,256.64	6,866.88	6,737.38	129.49	53.029		
17,900.00	7,239.79	4,839.62	4,476.11	304.49	85.71	-32.09	518.27	4,267.88	6,955.63	6,826.51	129.12	53.869		
18,000.00	7,239.90	4,804.38	4,444.14	307.33	84.98	-31.65	508.96	4,279.40	7,044.52	6,915.78	128.75	54.716		
18,095.23	7,240.00	4,800.00	4,440.17	310.03	84.90	-31.59	507.82	4,280.84	7,129.36	7,000.58	128.77	55.363		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.63	-552.36	5,601.88	5,629.27					
100.00	100.00	1,416.19	1,399.25	3.28	9.53	95.28	-502.05	5,430.28	5,617.87	5,607.25	10.62	529.004		
200.00	200.00	1,944.09	1,906.95	3.34	15.10	95.43	-502.58	5,286.51	5,593.44	5,580.42	13.03	429.327		
300.00	299.98	2,248.12	2,193.10	3.44	19.78	-98.98	-508.24	5,184.06	5,559.77	5,545.19	14.58	381.277		
400.00	399.84	2,300.00	2,241.76	3.59	20.66	-99.70	-507.82	5,166.10	5,525.97	5,511.06	14.91	370.671		
500.00	499.45	2,344.98	2,284.10	3.79	21.35	-100.42	-506.96	5,150.93	5,493.49	5,478.25	15.24	360.433		
600.00	598.70	2,955.74	2,850.14	4.03	33.33	-102.02	-488.88	4,924.19	5,461.06	5,442.63	18.43	296.250		
700.00	697.47	700.00	2,938.69	4.31	23.76	-103.04	-485.91	4,883.34	5,421.73	5,412.42	9.31	582.118		
800.00	795.62	3,143.44	3,020.26	4.64	38.05	-104.07	-482.54	4,845.15	5,382.61	5,362.81	19.80	271.829		
900.00	893.06	3,200.00	3,071.71	5.00	39.46	-105.02	-480.49	4,821.76	5,345.19	5,324.83	20.36	262.526		
1,000.00	989.64	3,200.00	3,071.71	5.40	39.46	-105.76	-480.49	4,821.76	5,309.46	5,288.78	20.69	256.623		
1,100.00	1,085.27	3,247.06	3,114.81	5.83	40.49	-106.61	-478.79	4,802.96	5,275.73	5,254.44	21.29	247.760		
1,200.00	1,179.82	3,300.00	3,163.64	6.29	41.64	-107.46	-476.64	4,782.61	5,244.21	5,222.24	21.97	238.670		
1,235.00	1,212.63	3,300.00	3,163.64	6.46	41.64	-107.68	-476.64	4,782.61	5,233.57	5,211.44	22.13	236.471		
1,300.00	1,273.43	3,320.86	3,182.95	6.79	42.04	-107.77	-475.85	4,774.77	5,214.41	5,191.87	22.54	231.315		
1,400.00	1,366.98	3,372.88	3,231.23	7.30	43.06	-107.98	-474.81	4,755.43	5,185.71	5,162.42	23.29	222.623		
1,500.00	1,460.52	3,400.00	3,256.45	7.84	43.58	-108.09	-474.79	4,745.45	5,157.98	5,134.02	23.96	215.300		
1,600.00	1,554.07	3,437.42	3,291.40	8.38	44.20	-108.24	-475.08	4,732.07	5,131.44	5,106.75	24.68	207.879		
1,700.00	1,647.61	3,462.84	3,315.27	8.93	44.62	-108.34	-475.34	4,723.36	5,106.32	5,080.94	25.38	201.206		
1,800.00	1,741.16	3,500.00	3,350.37	9.49	45.24	-108.48	-475.82	4,711.17	5,082.63	5,056.49	26.14	194.438		
1,900.00	1,834.70	3,500.00	3,350.37	10.06	45.24	-108.48	-475.82	4,711.17	5,060.31	5,033.56	26.75	189.144		
2,000.00	1,928.25	3,500.00	3,350.37	10.63	45.24	-108.48	-475.82	4,711.17	5,039.89	5,012.51	27.38	184.078		
2,100.00	2,021.79	3,550.88	3,398.88	11.21	45.84	-108.69	-475.86	4,695.82	5,020.18	4,991.95	28.23	177.800		
2,200.00	2,115.33	3,600.00	3,446.19	11.79	46.42	-108.90	-474.59	4,682.70	5,002.87	4,973.78	29.10	171.942		
2,300.00	2,208.88	3,600.00	3,446.19	12.37	46.42	-108.90	-474.59	4,682.70	4,986.39	4,956.64	29.75	167.609		
2,400.00	2,302.42	4,236.02	4,048.66	12.96	55.62	-111.73	-458.28	4,482.41	4,963.04	4,929.78	33.26	149.235		
2,500.00	2,395.97	4,264.75	4,075.50	13.55	56.14	-111.86	-458.02	4,472.17	4,938.58	4,904.47	34.11	144.797		
2,600.00	2,489.51	4,300.00	4,108.60	14.14	56.77	-112.02	-457.67	4,460.06	4,915.51	4,880.52	35.00	140.457		
2,700.00	2,583.06	2,700.00	4,270.86	14.74	28.42	-112.78	-457.15	4,399.84	4,892.37	4,864.92	27.45	178.260		
2,800.00	2,676.60	4,752.82	4,530.17	15.34	65.28	-114.02	-458.33	4,294.96	4,866.54	4,828.20	38.34	126.928		
2,900.00	2,770.14	4,832.96	4,603.87	15.93	67.00	-114.38	-458.09	4,263.47	4,839.58	4,800.10	39.47	122.599		
3,000.00	2,863.69	4,884.59	4,651.47	16.53	68.10	-114.63	-457.69	4,243.50	4,813.50	4,772.98	40.52	118.801		
3,100.00	2,957.23	4,967.79	4,728.36	17.13	69.82	-115.02	-456.75	4,211.74	4,788.19	4,746.48	41.71	114.791		
3,200.00	3,050.78	5,160.83	4,906.12	17.74	73.99	-115.94	-455.73	4,136.49	4,762.60	4,719.23	43.37	109.814		
3,300.00	3,144.32	5,265.78	5,002.05	18.34	76.41	-116.45	-455.29	4,093.92	4,735.49	4,690.79	44.70	105.943		
3,400.00	3,237.87	5,300.00	5,033.36	18.94	77.21	-116.61	-455.30	4,080.10	4,709.13	4,663.36	45.77	102.897		
3,500.00	3,331.41	5,300.00	5,033.36	19.55	77.21	-116.61	-455.30	4,080.10	4,684.60	4,637.89	46.70	100.308		
3,600.00	3,424.96	5,353.39	5,082.61	20.15	78.25	-116.87	-455.52	4,059.51	4,660.79	4,612.93	47.85	97.396		
3,666.72	3,487.37	5,400.00	5,126.23	20.56	79.16	-117.09	-455.93	4,043.07	4,646.59	4,597.92	48.67	95.465		
3,700.00	3,518.57	5,400.00	5,126.23	20.76	79.16	-116.95	-455.93	4,043.07	4,639.27	4,590.28	48.99	94.696		
3,800.00	3,613.09	5,400.00	5,126.23	21.34	79.16	-116.56	-455.93	4,043.07	4,617.63	4,567.71	49.92	92.506		
3,900.00	3,708.70	5,400.00	5,126.23	21.90	79.16	-116.17	-455.93	4,043.07	4,596.52	4,545.73	50.80	90.489		
4,000.00	3,805.27	5,461.25	5,184.14	22.44	80.04	-116.00	-456.56	4,023.13	4,574.85	4,522.98	51.87	88.207		
4,100.00	3,902.69	5,500.00	5,221.01	22.95	80.60	-115.73	-456.95	4,011.23	4,553.31	4,500.51	52.80	86.229		
4,200.00	4,000.84	5,545.11	5,264.10	23.43	81.14	-115.45	-457.38	3,997.89	4,531.53	4,477.82	53.71	84.365		
4,300.00	4,099.59	5,600.00	5,316.68	23.89	81.80	-115.17	-457.89	3,982.13	4,509.28	4,454.66	54.61	82.568		
4,400.00	4,198.84	5,740.62	5,451.34	24.32	83.46	-115.00	-460.49	3,941.74	4,485.46	4,429.69	55.77	80.433		
4,500.00	4,298.45	5,823.71	5,530.81	24.73	84.45	-114.64	-462.02	3,917.53	4,459.90	4,403.24	56.66	78.707		
4,600.00	4,398.30	5,879.50	5,584.29	25.11	85.10	-114.21	-462.95	3,901.67	4,433.66	4,376.24	57.42	77.220		
4,701.72	4,500.00	5,926.97	5,629.93	25.45	85.61	80.10	-463.73	3,888.60	4,406.53	4,348.47	58.06	75.892		
4,800.00	4,598.28	5,967.91	5,669.41	25.74	86.01	80.08	-464.31	3,877.83	4,380.79	4,322.18	58.62	74.738		
4,900.00	4,698.28	6,000.00	5,700.46	26.04	86.34	80.07	-464.70	3,869.71	4,355.84	4,296.70	59.14	73.657		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	6,041.13	5,740.39	26.34	86.66	80.05	-465.12	3,859.86	4,332.20	4,272.52	59.68	72.590		
5,100.00	4,898.28	6,100.00	5,797.83	26.65	87.11	80.02	-465.54	3,847.01	4,310.23	4,249.94	60.29	71.489		
5,200.00	4,998.28	6,100.00	5,797.83	26.96	87.11	80.02	-465.54	3,847.01	4,289.31	4,228.65	60.66	70.712		
5,300.00	5,098.28	6,100.00	5,797.83	27.27	87.11	80.02	-465.54	3,847.01	4,270.63	4,209.63	61.00	70.008		
5,400.00	5,198.28	6,155.82	5,852.67	27.59	87.39	80.00	-465.84	3,836.60	4,252.77	4,191.21	61.56	69.081		
5,500.00	5,298.28	6,200.00	5,896.34	27.91	87.62	79.99	-466.10	3,829.90	4,237.24	4,175.17	62.07	68.268		
5,600.00	5,398.28	6,200.00	5,896.34	28.23	87.62	79.99	-466.10	3,829.90	4,223.10	4,160.74	62.36	67.718		
5,700.00	5,498.28	6,240.20	5,936.21	28.56	87.73	79.98	-466.29	3,824.80	4,210.70	4,147.89	62.81	67.035		
5,800.00	5,598.28	6,300.00	5,995.69	28.89	87.90	79.97	-466.41	3,818.67	4,200.17	4,136.83	63.34	66.307		
5,900.00	5,698.28	6,300.00	5,995.69	29.22	87.90	79.97	-466.41	3,818.67	4,190.70	4,127.12	63.59	65.906		
6,000.00	5,798.28	6,353.41	6,048.93	29.56	88.01	79.96	-466.42	3,814.37	4,182.86	4,118.80	64.06	65.296		
6,100.00	5,898.28	6,400.00	6,095.42	29.90	88.10	79.95	-466.39	3,811.27	4,176.31	4,111.82	64.49	64.754		
6,200.00	5,998.28	6,448.07	6,143.42	30.24	88.18	79.94	-466.31	3,808.68	4,171.02	4,106.10	64.92	64.245		
6,300.00	6,098.28	6,500.00	6,195.30	30.58	88.26	79.94	-466.12	3,806.52	4,166.96	4,101.59	65.37	63.749		
6,400.00	6,198.28	6,568.72	6,263.99	30.92	88.35	79.92	-465.61	3,804.28	4,163.86	4,097.97	65.89	63.195		
6,500.00	6,298.28	6,635.12	6,330.36	31.27	88.45	79.91	-464.79	3,802.50	4,161.44	4,095.05	66.40	62.673		
6,600.00	6,398.28	6,700.00	6,395.22	31.62	88.53	79.89	-463.93	3,801.37	4,159.94	4,093.04	66.90	62.184		
6,700.00	6,498.28	6,770.48	6,465.69	31.97	88.63	79.88	-463.05	3,800.71	4,159.22	4,091.80	67.42	61.692		
6,794.10	6,592.38	6,857.48	6,552.69	32.31	88.74	79.87	-462.33	3,800.37	4,158.98	4,090.96	68.02	61.141		
6,800.00	6,598.28	6,863.69	6,558.89	32.33	88.75	-9.95	-462.31	3,800.35	4,158.94	4,090.87	68.06	61.103		
6,850.00	6,648.21	6,926.96	6,622.16	32.51	88.84	-10.00	-462.32	3,800.13	4,156.39	4,087.90	68.48	60.691		
6,900.00	6,697.79	7,013.67	6,708.87	32.69	88.96	-10.13	-462.42	3,799.24	4,149.64	4,080.61	69.03	60.110		
6,950.00	6,746.73	7,056.02	6,751.21	32.86	89.02	-10.33	-462.45	3,798.69	4,138.95	4,069.60	69.35	59.686		
7,000.00	6,794.71	7,103.31	6,798.51	33.03	89.08	-10.61	-462.46	3,798.06	4,124.52	4,054.84	69.68	59.189		
7,050.00	6,841.44	7,141.24	6,836.43	33.20	89.14	-10.98	-462.51	3,797.61	4,106.50	4,036.53	69.97	58.690		
7,100.00	6,886.64	7,178.48	6,873.67	33.35	89.19	-11.44	-462.63	3,797.25	4,085.03	4,014.79	70.25	58.151		
7,150.00	6,930.03	7,215.44	6,910.63	33.50	89.24	-12.02	-462.82	3,796.98	4,060.24	3,989.72	70.52	57.573		
7,200.00	6,971.33	7,252.32	6,947.51	33.64	89.29	-12.75	-463.01	3,796.75	4,032.24	3,961.44	70.80	56.956		
7,250.00	7,010.30	7,287.15	6,982.33	33.77	89.34	-13.65	-463.18	3,796.57	4,001.20	3,930.15	71.06	56.310		
7,300.00	7,046.69	7,320.29	7,015.48	33.89	89.39	-14.77	-463.34	3,796.43	3,967.31	3,896.00	71.31	55.636		
7,350.00	7,080.28	7,351.26	7,046.44	34.00	89.43	-16.19	-463.48	3,796.32	3,930.76	3,859.21	71.55	54.938		
7,400.00	7,110.86	7,379.48	7,074.66	34.11	89.47	-17.99	-463.59	3,796.23	3,891.77	3,819.99	71.78	54.221		
7,450.00	7,138.25	7,404.80	7,099.98	34.21	89.51	-20.32	-463.69	3,796.16	3,850.58	3,778.59	71.99	53.487		
7,500.00	7,162.27	7,427.16	7,122.34	34.32	89.54	-23.39	-463.76	3,796.11	3,807.45	3,735.26	72.20	52.738		
7,550.00	7,182.77	7,446.27	7,141.45	34.43	89.57	-27.56	-463.82	3,796.07	3,762.64	3,690.25	72.39	51.979		
7,600.00	7,199.64	7,450.00	7,145.18	34.57	89.58	-33.12	-463.83	3,796.07	3,716.44	3,643.94	72.50	51.259		
7,650.00	7,212.76	7,450.00	7,145.18	34.76	89.58	-41.00	-463.83	3,796.07	3,669.16	3,596.56	72.61	50.535		
7,700.00	7,222.06	7,450.00	7,145.18	35.02	89.58	-52.54	-463.83	3,796.07	3,621.07	3,548.34	72.72	49.793		
7,750.00	7,227.47	7,450.00	7,145.18	35.37	89.58	-69.05	-463.83	3,796.07	3,572.42	3,499.56	72.85	49.036		
7,793.42	7,229.00	7,450.00	7,145.18	35.74	89.58	-87.00	-463.83	3,796.07	3,529.94	3,456.96	72.98	48.369		
7,800.00	7,229.01	7,450.00	7,145.18	35.80	89.58	-87.00	-463.83	3,796.07	3,523.50	3,450.50	73.00	48.267		
7,900.00	7,229.11	7,450.00	7,145.18	36.91	89.58	-87.00	-463.83	3,796.07	3,425.66	3,352.33	73.33	46.719		
8,000.00	7,229.22	7,450.00	7,145.18	38.28	89.58	-87.00	-463.83	3,796.07	3,327.94	3,254.25	73.69	45.162		
8,100.00	7,229.33	7,450.00	7,145.18	39.83	89.58	-87.00	-463.83	3,796.07	3,230.37	3,156.27	74.10	43.598		
8,200.00	7,229.43	7,450.00	7,145.18	41.53	89.58	-87.00	-463.83	3,796.07	3,132.95	3,058.40	74.55	42.024		
8,300.00	7,229.54	7,450.00	7,145.18	43.36	89.58	-87.00	-463.83	3,796.07	3,035.70	2,960.63	75.06	40.443		
8,400.00	7,229.65	7,450.00	7,145.18	45.30	89.58	-87.00	-463.83	3,796.07	2,938.63	2,862.99	75.63	38.853		
8,500.00	7,229.75	7,450.00	7,145.18	47.33	89.58	-87.00	-463.83	3,796.07	2,841.76	2,765.48	76.28	37.256		
8,600.00	7,229.86	7,450.00	7,145.18	49.45	89.58	-87.00	-463.83	3,796.07	2,745.12	2,668.12	77.00	35.650		
8,700.00	7,229.97	7,450.00	7,145.18	51.64	89.58	-87.00	-463.83	3,796.07	2,648.73	2,570.91	77.82	34.038		
8,800.00	7,230.07	7,450.00	7,145.18	53.89	89.58	-87.00	-463.83	3,796.07	2,552.61	2,473.88	78.74	32.419		
8,900.00	7,230.18	7,450.00	7,145.18	56.19	89.58	-87.00	-463.83	3,796.07	2,456.81	2,377.03	79.78	30.796		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,230.29	7,450.00	7,145.18	58.55	89.58	-87.00	-463.83	3,796.07	2,361.36	2,280.40	80.95	29.169		
9,100.00	7,230.39	7,450.00	7,145.18	60.94	89.58	-87.00	-463.83	3,796.07	2,266.29	2,184.01	82.29	27.541		
9,200.00	7,230.50	7,450.00	7,145.18	63.38	89.58	-87.00	-463.83	3,796.07	2,171.67	2,087.87	83.80	25.914		
9,300.00	7,230.61	7,450.00	7,145.18	65.85	89.58	-87.00	-463.83	3,796.07	2,077.56	1,992.03	85.52	24.292		
9,400.00	7,230.72	7,450.00	7,145.18	68.35	89.58	-87.00	-463.83	3,796.07	1,984.02	1,896.53	87.49	22.678		
9,500.00	7,230.82	7,450.00	7,145.18	70.87	89.58	-87.00	-463.83	3,796.07	1,891.14	1,801.41	89.73	21.077		
9,600.00	7,230.93	7,450.00	7,145.18	73.42	89.58	-87.00	-463.83	3,796.07	1,799.02	1,706.74	92.28	19.494		
9,700.00	7,231.04	7,450.00	7,145.18	75.99	89.58	-87.00	-463.83	3,796.07	1,707.79	1,612.58	95.21	17.937		
9,800.00	7,231.14	7,450.00	7,145.18	78.59	89.58	-87.00	-463.83	3,796.07	1,617.60	1,519.04	98.57	16.411		
9,900.00	7,231.25	7,450.00	7,145.18	81.19	89.58	-87.00	-463.83	3,796.07	1,528.63	1,426.22	102.41	14.927		
10,000.00	7,231.36	7,450.00	7,145.18	83.82	89.58	-87.00	-463.83	3,796.07	1,441.11	1,334.29	106.82	13.491		
10,100.00	7,231.46	7,450.00	7,145.18	86.46	89.58	-87.00	-463.83	3,796.07	1,355.31	1,243.44	111.87	12.115		
10,200.00	7,231.57	7,450.00	7,145.18	89.11	89.58	-87.00	-463.83	3,796.07	1,271.60	1,153.94	117.65	10.808		
10,300.00	7,231.68	7,450.00	7,145.18	91.77	89.58	-87.00	-463.83	3,796.07	1,190.39	1,066.15	124.25	9.581		
10,400.00	7,231.78	7,450.00	7,145.18	94.45	89.58	-87.00	-463.83	3,796.07	1,112.26	980.52	131.74	8.443		
10,500.00	7,231.89	7,450.00	7,145.18	97.14	89.58	-87.00	-463.83	3,796.07	1,037.88	897.72	140.16	7.405		
10,600.00	7,232.00	7,450.00	7,145.18	99.83	89.58	-87.00	-463.83	3,796.07	968.13	818.61	149.52	6.475		
10,700.00	7,232.10	7,450.00	7,145.18	102.53	89.58	-87.00	-463.83	3,796.07	904.08	744.39	159.68	5.662		
10,800.00	7,232.21	7,450.00	7,145.18	105.25	89.58	-87.00	-463.83	3,796.07	847.01	676.63	170.39	4.971		
10,900.00	7,232.32	7,450.00	7,145.18	107.96	89.58	-87.00	-463.83	3,796.07	798.44	617.33	181.12	4.408		
11,000.00	7,232.42	7,450.00	7,145.18	110.69	89.58	-87.00	-463.83	3,796.07	760.00	568.89	191.10	3.977		
11,100.00	7,232.53	7,450.00	7,145.18	113.42	89.58	-87.00	-463.83	3,796.07	733.26	533.88	199.39	3.678		
11,200.00	7,232.64	7,450.00	7,145.18	116.16	89.58	-87.00	-463.83	3,796.07	719.55	514.57	204.98	3.510		
11,249.60	7,232.69	7,450.00	7,145.18	117.52	89.58	-87.00	-463.83	3,796.07	717.84	511.30	206.54	3.476 CC, ES		
11,300.00	7,232.74	7,450.00	7,145.18	118.90	89.58	-87.00	-463.83	3,796.07	719.61	512.38	207.22	3.473 SF		
11,400.00	7,232.85	7,450.00	7,145.18	121.65	89.58	-87.00	-463.83	3,796.07	733.42	527.46	205.96	3.561		
11,500.00	7,232.96	7,450.00	7,145.18	124.41	89.58	-87.00	-463.83	3,796.07	760.26	558.60	201.66	3.770		
11,600.00	7,233.06	7,450.00	7,145.18	127.16	89.58	-87.00	-463.83	3,796.07	798.79	603.67	195.13	4.094		
11,700.00	7,233.17	7,450.00	7,145.18	129.92	89.58	-87.00	-463.83	3,796.07	847.44	660.15	187.29	4.525		
11,800.00	7,233.28	7,450.00	7,145.18	132.69	89.58	-87.00	-463.83	3,796.07	904.56	725.64	178.92	5.056		
11,900.00	7,233.38	7,450.00	7,145.18	135.46	89.58	-87.00	-463.83	3,796.07	968.66	798.07	170.59	5.678		
12,000.00	7,233.49	7,450.00	7,145.18	138.23	89.58	-87.00	-463.83	3,796.07	1,038.46	875.81	162.65	6.385		
12,100.00	7,233.60	7,450.00	7,145.18	141.01	89.58	-87.00	-463.83	3,796.07	1,112.86	957.58	155.28	7.167		
12,200.00	7,233.71	7,450.00	7,145.18	143.79	89.58	-87.00	-463.83	3,796.07	1,191.03	1,042.47	148.56	8.017		
12,300.00	7,233.81	7,450.00	7,145.18	146.57	89.58	-87.00	-463.83	3,796.07	1,272.25	1,129.76	142.50	8.928		
12,400.00	7,233.92	7,450.00	7,145.18	149.35	89.58	-87.00	-463.83	3,796.07	1,355.99	1,218.93	137.06	9.894		
12,500.00	7,234.03	7,450.00	7,145.18	152.14	89.58	-87.00	-463.83	3,796.07	1,441.80	1,309.60	132.20	10.907		
12,600.00	7,234.13	7,450.00	7,145.18	154.93	89.58	-87.00	-463.83	3,796.07	1,529.34	1,401.48	127.85	11.962		
12,700.00	7,234.24	7,450.00	7,145.18	157.72	89.58	-87.00	-463.83	3,796.07	1,618.32	1,494.34	123.97	13.054		
12,800.00	7,234.35	7,450.00	7,145.18	160.52	89.58	-87.00	-463.83	3,796.07	1,708.52	1,588.01	120.50	14.178		
12,900.00	7,234.45	7,450.00	7,145.18	163.31	89.58	-87.00	-463.83	3,796.07	1,799.75	1,682.35	117.40	15.330		
13,000.00	7,234.56	7,450.00	7,145.18	166.11	89.58	-87.00	-463.83	3,796.07	1,891.87	1,777.26	114.61	16.507		
13,100.00	7,234.67	7,450.00	7,145.18	168.91	89.58	-87.00	-463.83	3,796.07	1,984.76	1,872.65	112.10	17.705		
13,200.00	7,234.77	7,450.00	7,145.18	171.71	89.58	-87.00	-463.83	3,796.07	2,078.30	1,968.46	109.84	18.921		
13,300.00	7,234.88	7,450.00	7,145.18	174.52	89.58	-87.00	-463.83	3,796.07	2,172.42	2,064.62	107.80	20.152		
13,400.00	7,234.99	7,450.00	7,145.18	177.32	89.58	-87.00	-463.83	3,796.07	2,267.05	2,161.10	105.95	21.397		
13,500.00	7,235.09	7,450.00	7,145.18	180.13	89.58	-87.00	-463.83	3,796.07	2,362.11	2,257.84	104.27	22.654		
13,600.00	7,235.20	7,450.00	7,145.18	182.94	89.58	-87.00	-463.83	3,796.07	2,457.57	2,354.83	102.74	23.920		
13,700.00	7,235.31	7,450.00	7,145.18	185.74	89.58	-87.00	-463.83	3,796.07	2,553.38	2,452.03	101.35	25.194		
13,800.00	7,235.41	7,450.00	7,145.18	188.56	89.58	-87.00	-463.83	3,796.07	2,649.49	2,549.42	100.07	26.475		
13,900.00	7,235.52	7,450.00	7,145.18	191.37	89.58	-87.00	-463.83	3,796.07	2,745.89	2,646.98	98.91	27.762		
14,000.00	7,235.63	7,450.00	7,145.18	194.18	89.58	-87.00	-463.83	3,796.07	2,842.53	2,744.69	97.84	29.054		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	7,450.00	7,145.18	197.00	89.58	-87.00	-463.83	3,796.07	2,939.40	2,842.54	96.85	30.349		
14,200.00	7,235.84	7,450.00	7,145.18	199.81	89.58	-87.00	-463.83	3,796.07	3,036.47	2,940.52	95.95	31.647		
14,300.00	7,235.95	7,450.00	7,145.18	202.63	89.58	-87.00	-463.83	3,796.07	3,133.72	3,038.61	95.11	32.948		
14,400.00	7,236.05	7,450.00	7,145.18	205.44	89.58	-87.00	-463.83	3,796.07	3,231.15	3,136.81	94.34	34.250		
14,500.00	7,236.16	7,450.00	7,145.18	208.26	89.58	-87.00	-463.83	3,796.07	3,328.72	3,235.10	93.62	35.554		
14,600.00	7,236.27	7,450.00	7,145.18	211.08	89.58	-87.00	-463.83	3,796.07	3,426.44	3,333.47	92.96	36.858		
14,700.00	7,236.37	7,450.00	7,145.18	213.90	89.58	-87.00	-463.83	3,796.07	3,524.28	3,431.93	92.35	38.162		
14,800.00	7,236.48	7,450.00	7,145.18	216.72	89.58	-87.00	-463.83	3,796.07	3,622.24	3,530.46	91.78	39.467		
14,900.00	7,236.59	7,450.00	7,145.18	219.55	89.58	-87.00	-463.83	3,796.07	3,720.31	3,629.06	91.25	40.770		
15,000.00	7,236.69	7,450.00	7,145.18	222.37	89.58	-87.00	-463.83	3,796.07	3,818.48	3,727.72	90.76	42.073		
15,100.00	7,236.80	7,450.00	7,145.18	225.19	89.58	-87.00	-463.83	3,796.07	3,916.74	3,826.44	90.30	43.375		
15,200.00	7,236.91	7,450.00	7,145.18	228.02	89.58	-87.00	-463.83	3,796.07	4,015.09	3,925.22	89.87	44.676		
15,300.00	7,237.02	7,450.00	7,145.18	230.84	89.58	-87.00	-463.83	3,796.07	4,113.52	4,024.04	89.47	45.975		
15,400.00	7,237.12	7,450.00	7,145.18	233.67	89.58	-87.00	-463.83	3,796.07	4,212.02	4,122.92	89.10	47.272		
15,500.00	7,237.23	7,450.00	7,145.18	236.50	89.58	-87.00	-463.83	3,796.07	4,310.59	4,221.84	88.75	48.568		
15,600.00	7,237.34	7,450.00	7,145.18	239.32	89.58	-87.00	-463.83	3,796.07	4,409.22	4,320.79	88.43	49.862		
15,700.00	7,237.44	7,450.00	7,145.18	242.15	89.58	-87.00	-463.83	3,796.07	4,507.92	4,419.79	88.13	51.153		
15,800.00	7,237.55	7,450.00	7,145.18	244.98	89.58	-87.00	-463.83	3,796.07	4,606.67	4,518.83	87.84	52.442		
15,900.00	7,237.66	7,450.00	7,145.18	247.81	89.58	-87.00	-463.83	3,796.07	4,705.47	4,617.90	87.58	53.729		
16,000.00	7,237.76	7,450.00	7,145.18	250.64	89.58	-87.00	-463.83	3,796.07	4,804.33	4,717.00	87.33	55.013		
16,100.00	7,237.87	7,450.00	7,145.18	253.47	89.58	-87.00	-463.83	3,796.07	4,903.23	4,816.13	87.10	56.295		
16,200.00	7,237.98	7,450.00	7,145.18	256.30	89.58	-87.00	-463.83	3,796.07	5,002.17	4,915.29	86.88	57.573		
16,300.00	7,238.08	7,450.00	7,145.18	259.13	89.58	-87.00	-463.83	3,796.07	5,101.16	5,014.48	86.68	58.849		
16,400.00	7,238.19	7,450.00	7,145.18	261.96	89.58	-87.00	-463.83	3,796.07	5,200.18	5,113.69	86.49	60.123		
16,500.00	7,238.30	7,450.00	7,145.18	264.79	89.58	-87.00	-463.83	3,796.07	5,299.24	5,212.93	86.32	61.393		
16,600.00	7,238.40	7,450.00	7,145.18	267.63	89.58	-87.00	-463.83	3,796.07	5,398.34	5,312.19	86.15	62.660		
16,700.00	7,238.51	7,450.00	7,145.18	270.46	89.58	-87.00	-463.83	3,796.07	5,497.47	5,411.47	86.00	63.924		
16,800.00	7,238.62	7,450.00	7,145.18	273.29	89.58	-87.00	-463.83	3,796.07	5,596.62	5,510.77	85.86	65.186		
16,900.00	7,238.72	7,450.00	7,145.18	276.13	89.58	-87.00	-463.83	3,796.07	5,695.81	5,610.09	85.72	66.444		
17,000.00	7,238.83	7,450.00	7,145.18	278.96	89.58	-87.00	-463.83	3,796.07	5,795.03	5,709.43	85.60	67.698		
17,100.00	7,238.94	7,450.00	7,145.18	281.80	89.58	-87.00	-463.83	3,796.07	5,894.27	5,808.79	85.49	68.950		
17,200.00	7,239.04	7,450.00	7,145.18	284.63	89.58	-87.00	-463.83	3,796.07	5,993.54	5,908.16	85.38	70.198		
17,300.00	7,239.15	7,450.00	7,145.18	287.47	89.58	-87.00	-463.83	3,796.07	6,092.83	6,007.55	85.28	71.443		
17,400.00	7,239.26	7,450.00	7,145.18	290.30	89.58	-87.00	-463.83	3,796.07	6,192.15	6,106.96	85.19	72.685		
17,500.00	7,239.36	7,450.00	7,145.18	293.14	89.58	-87.00	-463.83	3,796.07	6,291.48	6,206.38	85.11	73.923		
17,600.00	7,239.47	7,450.00	7,145.18	295.98	89.58	-87.00	-463.83	3,796.07	6,390.84	6,305.81	85.03	75.158		
17,700.00	7,239.58	7,450.00	7,145.18	298.81	89.58	-87.00	-463.83	3,796.07	6,490.22	6,405.26	84.96	76.389		
17,800.00	7,239.68	7,450.00	7,145.18	301.65	89.58	-87.00	-463.83	3,796.07	6,589.61	6,504.71	84.90	77.617		
17,900.00	7,239.79	7,450.00	7,145.18	304.49	89.58	-87.00	-463.83	3,796.07	6,689.03	6,604.19	84.84	78.841		
18,000.00	7,239.90	7,450.00	7,145.18	307.33	89.58	-87.00	-463.83	3,796.07	6,788.46	6,703.67	84.79	80.062		
18,095.23	7,240.00	7,450.00	7,145.18	310.03	89.58	-87.00	-463.83	3,796.07	6,883.16	6,798.42	84.75	81.222		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.30	-521.03	5,613.84	5,638.19					
100.00	100.00	39.50	39.50	3.28	3.28	95.30	-520.92	5,613.89	5,638.02	5,631.45	6.57	858.680		
200.00	200.00	464.35	463.48	3.34	3.91	95.10	-499.90	5,606.60	5,637.56	5,630.32	7.24	778.589		
300.00	299.98	692.89	689.52	3.44	4.90	-99.20	-469.22	5,593.34	5,630.44	5,622.19	8.26	681.830		
400.00	399.84	1,227.42	1,207.68	3.59	8.67	-100.85	-351.42	5,543.11	5,621.32	5,609.43	11.89	472.909		
500.00	499.45	1,352.99	1,325.91	3.79	9.91	-101.62	-312.38	5,526.82	5,607.47	5,594.26	13.21	424.583		
600.00	598.70	1,463.07	1,429.54	4.03	10.99	-102.35	-278.37	5,512.01	5,594.17	5,579.75	14.43	387.768		
700.00	697.47	1,546.38	1,508.12	4.31	11.78	-102.97	-253.16	5,500.60	5,581.78	5,566.36	15.43	361.864		
800.00	795.62	1,620.54	1,578.30	4.64	12.45	-103.55	-231.36	5,490.59	5,570.77	5,554.40	16.37	340.295		
900.00	893.06	1,703.75	1,657.23	5.00	13.18	-104.16	-207.51	5,479.42	5,561.09	5,543.68	17.41	319.409		
1,000.00	989.64	1,757.62	1,708.46	5.40	13.62	-104.60	-192.42	5,472.34	5,552.99	5,534.76	18.23	304.544		
1,100.00	1,085.27	1,812.52	1,760.79	5.83	14.07	-105.02	-177.34	5,465.41	5,546.72	5,527.62	19.10	290.365		
1,200.00	1,179.82	1,868.14	1,813.91	6.29	14.50	-105.43	-162.31	5,458.65	5,542.32	5,522.32	20.00	277.154		
1,235.00	1,212.63	1,887.38	1,832.31	6.46	14.65	-105.57	-157.16	5,456.37	5,541.23	5,520.91	20.32	272.742		
1,300.00	1,273.43	1,943.77	1,886.28	6.79	15.07	-105.91	-142.22	5,449.76	5,539.56	5,518.51	21.06	263.075		
1,400.00	1,366.98	2,043.69	1,982.03	7.30	15.80	-106.50	-116.29	5,437.75	5,537.27	5,514.98	22.30	248.344		
1,500.00	1,460.52	2,153.51	2,087.23	7.84	16.62	-107.16	-87.85	5,424.19	5,535.32	5,511.70	23.62	234.314		
1,600.00	1,554.07	2,229.47	2,159.89	8.38	17.18	-107.61	-67.96	5,414.47	5,533.60	5,508.86	24.73	223.741		
1,700.00	1,647.61	2,275.06	2,203.57	8.93	17.52	-107.88	-56.14	5,408.89	5,532.92	5,507.29	25.64	215.820		
1,709.25	1,656.26	2,279.29	2,207.62	8.98	17.55	-107.91	-55.05	5,408.39	5,532.92	5,507.20	25.72	215.113		
1,800.00	1,741.16	2,328.08	2,254.43	9.49	17.90	-108.20	-42.52	5,402.74	5,533.36	5,506.77	26.59	208.069		
1,900.00	1,834.70	2,389.58	2,313.44	10.06	18.33	-108.56	-26.59	5,395.85	5,534.73	5,507.12	27.61	200.470		
2,000.00	1,928.25	2,512.78	2,431.32	10.63	19.23	-109.31	6.36	5,381.83	5,536.61	5,507.54	29.07	190.435		
2,100.00	2,021.79	2,623.67	2,537.11	11.21	20.08	-109.98	36.76	5,368.36	5,538.50	5,507.99	30.50	181.562		
2,200.00	2,115.33	2,732.16	2,640.01	11.79	20.98	-110.66	68.22	5,354.62	5,540.70	5,508.73	31.98	173.276		
2,300.00	2,208.88	2,829.62	2,731.83	12.37	21.84	-111.28	98.12	5,341.45	5,542.94	5,509.52	33.42	165.877		
2,400.00	2,302.42	2,878.73	2,778.16	12.96	22.27	-111.59	113.09	5,334.98	5,546.15	5,511.69	34.45	160.977		
2,500.00	2,395.97	2,971.15	2,866.66	13.55	23.04	-112.17	140.36	5,323.16	5,550.28	5,514.46	35.82	154.949		
2,600.00	2,489.51	3,066.90	2,956.48	14.14	23.84	-112.76	167.95	5,310.54	5,554.67	5,517.46	37.21	149.261		
2,700.00	2,583.06	3,129.49	3,015.62	14.74	24.36	-113.15	186.66	5,302.20	5,559.72	5,521.38	38.33	145.037		
2,800.00	2,676.60	3,178.96	3,062.68	15.34	24.75	-113.46	200.59	5,295.97	5,565.81	5,526.48	39.33	141.500		
2,900.00	2,770.14	3,242.32	3,123.33	15.93	25.22	-113.83	217.31	5,288.48	5,572.91	5,532.51	40.40	137.927		
3,000.00	2,863.69	3,329.88	3,207.26	16.53	25.84	-114.35	240.13	5,278.31	5,580.74	5,539.12	41.63	134.071		
3,100.00	2,957.23	3,427.28	3,300.59	17.13	26.52	-114.92	265.37	5,266.55	5,588.74	5,545.84	42.91	130.257		
3,200.00	3,050.78	3,480.75	3,352.02	17.74	26.89	-115.23	278.63	5,260.36	5,597.58	5,553.71	43.87	127.601		
3,300.00	3,144.32	3,616.03	3,482.63	18.34	27.75	-115.99	310.21	5,244.80	5,606.79	5,561.47	45.32	123.705		
3,400.00	3,237.87	3,663.45	3,528.47	18.94	28.05	-116.26	321.05	5,239.32	5,616.41	5,570.19	46.22	121.522		
3,500.00	3,331.41	3,722.33	3,585.42	19.55	28.42	-116.59	334.56	5,232.89	5,627.07	5,579.89	47.18	119.267		
3,600.00	3,424.96	3,889.08	3,745.47	20.15	29.58	-117.55	376.87	5,213.13	5,638.17	5,589.24	48.93	115.231		
3,666.72	3,487.37	3,945.00	3,798.45	20.56	30.06	-117.89	393.04	5,205.42	5,645.16	5,595.37	49.80	113.363		
3,700.00	3,518.57	3,968.01	3,820.15	20.76	30.26	-118.09	399.96	5,202.21	5,648.69	5,598.50	50.19	112.540		
3,800.00	3,613.09	4,034.37	3,882.49	21.34	30.86	-118.67	420.72	5,192.84	5,658.72	5,607.35	51.36	110.173		
3,900.00	3,708.70	4,100.00	3,943.96	21.90	31.47	-119.22	441.76	5,183.63	5,667.90	5,615.38	52.52	107.921		
4,000.00	3,805.27	4,166.28	4,006.23	22.44	32.06	-119.73	462.62	5,174.65	5,676.18	5,622.56	53.62	105.854		
4,100.00	3,902.69	4,225.56	4,062.30	22.95	32.56	-120.15	480.30	5,167.06	5,683.51	5,628.90	54.61	104.073		
4,200.00	4,000.84	4,276.38	4,110.57	23.43	32.96	-120.51	494.98	5,161.03	5,690.03	5,634.56	55.47	102.582		
4,300.00	4,099.59	4,346.16	4,177.00	23.89	33.49	-120.90	514.92	5,153.25	5,695.64	5,639.20	56.45	100.903		
4,400.00	4,198.84	4,493.48	4,316.44	24.32	34.67	-121.59	559.13	5,135.88	5,699.75	5,641.69	58.06	98.174		
4,500.00	4,298.45	4,603.64	4,420.53	24.73	35.59	-122.06	592.34	5,121.81	5,701.37	5,641.99	59.38	96.014		
4,600.00	4,398.30	4,662.08	4,475.48	25.11	36.11	-122.28	610.72	5,114.22	5,701.57	5,641.30	60.27	94.597		
4,701.72	4,500.00	4,868.46	4,669.10	25.45	37.99	70.83	676.28	5,085.91	5,699.67	5,637.17	62.50	91.193		
4,800.00	4,598.28	4,942.92	4,739.37	25.74	38.64	70.59	698.50	5,075.35	5,696.03	5,632.60	63.43	89.793		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	5,000.00	4,793.39	26.04	39.12	70.40	715.29	5,067.69	5,693.07	5,628.86	64.21	88.662		
5,000.00	4,798.28	5,064.72	4,854.74	26.34	39.64	70.19	734.19	5,059.46	5,690.84	5,625.82	65.02	87.520		
5,100.00	4,898.28	5,154.60	4,940.19	26.65	40.33	69.91	759.89	5,048.69	5,689.23	5,623.22	66.01	86.188		
5,200.00	4,998.28	5,245.72	5,027.70	26.96	40.93	69.66	783.16	5,038.61	5,687.62	5,620.70	66.92	84.994		
5,300.00	5,098.28	5,322.72	5,102.65	27.27	41.34	69.48	799.31	5,031.68	5,686.47	5,618.83	67.64	84.069		
5,400.00	5,198.28	5,413.94	5,192.44	27.59	41.72	69.32	814.09	5,025.31	5,685.62	5,617.28	68.34	83.200		
5,500.00	5,298.28	5,512.57	5,290.23	27.91	42.05	69.19	825.74	5,020.10	5,684.85	5,615.87	68.99	82.404		
5,600.00	5,398.28	5,606.53	5,383.70	28.23	42.32	69.09	834.47	5,016.09	5,684.17	5,614.58	69.59	81.679		
5,700.00	5,498.28	5,693.11	5,469.97	28.56	42.56	69.02	841.08	5,013.10	5,683.68	5,613.52	70.15	81.017		
5,784.84	5,583.11	5,756.40	5,533.11	28.84	42.73	68.98	845.08	5,011.43	5,683.51	5,612.91	70.59	80.511		
5,800.00	5,598.28	5,767.53	5,544.22	28.89	42.75	68.97	845.74	5,011.18	5,683.51	5,612.84	70.67	80.422		
5,900.00	5,698.28	5,870.67	5,647.22	29.22	43.02	68.92	850.78	5,009.41	5,683.67	5,612.40	71.27	79.744		
6,000.00	5,798.28	6,020.17	5,796.66	29.56	43.38	68.88	854.17	5,007.49	5,683.30	5,611.29	72.01	78.921		
6,100.00	5,898.28	6,116.67	5,893.15	29.90	43.62	68.86	855.18	5,006.34	5,682.57	5,609.98	72.59	78.278		
6,200.00	5,998.28	6,232.27	6,008.73	30.24	43.91	68.85	856.24	5,004.78	5,681.64	5,608.40	73.24	77.577		
6,300.00	6,098.28	6,349.07	6,125.51	30.58	44.20	68.83	857.27	5,002.88	5,680.44	5,606.55	73.89	76.875		
6,400.00	6,198.28	6,455.15	6,231.57	30.92	44.47	68.82	858.20	5,000.85	5,678.98	5,604.46	74.52	76.207		
6,500.00	6,298.28	6,538.95	6,315.35	31.27	44.69	68.80	859.41	4,999.14	5,677.60	5,602.52	75.09	75.615		
6,600.00	6,398.28	6,615.56	6,391.93	31.62	44.89	68.78	860.90	4,997.79	5,676.65	5,601.02	75.63	75.055		
6,700.00	6,498.28	6,708.35	6,484.67	31.97	45.14	68.75	863.15	4,996.21	5,675.94	5,599.71	76.24	74.452		
6,794.10	6,592.38	6,793.40	6,569.69	32.31	45.37	68.73	865.41	4,994.82	5,675.42	5,598.62	76.80	73.899		
6,800.00	6,598.28	6,798.73	6,575.02	32.33	45.38	-21.09	865.55	4,994.74	5,675.36	5,598.53	76.84	73.864		
6,850.00	6,648.21	6,848.25	6,624.51	32.51	45.52	-21.20	866.87	4,993.98	5,672.87	5,595.71	77.15	73.528		
6,900.00	6,697.79	6,897.49	6,673.72	32.69	45.65	-21.44	868.19	4,993.22	5,666.73	5,589.27	77.46	73.154		
6,950.00	6,746.73	6,957.88	6,734.08	32.86	45.82	-21.84	869.95	4,992.17	5,665.94	5,579.14	77.80	72.707		
7,000.00	6,794.71	7,017.49	6,793.64	33.03	45.98	-22.40	871.95	4,990.89	5,643.52	5,565.38	78.13	72.230		
7,050.00	6,841.44	7,073.59	6,849.68	33.20	46.14	-23.14	874.11	4,989.47	5,626.55	5,548.11	78.45	71.726		
7,100.00	6,886.64	7,119.49	6,895.52	33.35	46.27	-24.06	876.10	4,988.15	5,606.20	5,527.48	78.71	71.223		
7,150.00	6,930.03	7,155.75	6,931.73	33.50	46.38	-25.17	877.83	4,987.08	5,582.67	5,503.73	78.94	70.720		
7,200.00	6,971.33	7,190.13	6,966.04	33.64	46.48	-26.52	879.61	4,986.04	5,556.15	5,477.00	79.15	70.197		
7,250.00	7,010.30	7,218.25	6,994.11	33.77	46.56	-28.15	881.18	4,985.19	5,526.80	5,447.47	79.33	69.666		
7,300.00	7,046.69	7,242.73	7,018.53	33.89	46.64	-30.10	882.62	4,984.47	5,494.83	5,415.33	79.49	69.123		
7,350.00	7,080.28	7,265.26	7,041.01	34.00	46.70	-32.46	884.01	4,983.83	5,460.43	5,380.79	79.64	68.563		
7,400.00	7,110.86	7,285.69	7,061.39	34.11	46.77	-35.32	885.32	4,983.27	5,423.80	5,344.02	79.78	67.987		
7,450.00	7,138.25	7,300.00	7,075.66	34.21	46.81	-38.75	886.27	4,982.88	5,385.17	5,305.28	79.89	67.408		
7,500.00	7,162.27	7,319.32	7,094.94	34.32	46.87	-43.01	887.56	4,982.39	5,344.76	5,264.75	80.02	66.794		
7,550.00	7,182.77	7,332.53	7,108.11	34.43	46.91	-48.15	888.43	4,982.07	5,302.83	5,222.70	80.13	66.177		
7,600.00	7,199.64	7,343.32	7,118.88	34.57	46.94	-54.36	889.14	4,981.83	5,259.61	5,179.37	80.24	65.549		
7,650.00	7,212.76	7,351.61	7,127.15	34.76	46.96	-61.77	889.68	4,981.65	5,215.37	5,135.02	80.35	64.911		
7,700.00	7,222.06	7,357.31	7,132.83	35.02	46.98	-70.38	890.05	4,981.54	5,170.38	5,089.93	80.46	64.263		
7,750.00	7,227.47	7,360.36	7,135.88	35.37	46.99	-79.96	890.25	4,981.47	5,124.92	5,044.35	80.57	63.609		
7,793.42	7,229.00	7,360.83	7,136.34	35.74	46.99	-88.68	890.28	4,981.47	5,085.26	5,004.59	80.67	63.038		
7,800.00	7,229.01	7,360.74	7,136.26	35.80	46.99	-88.68	890.27	4,981.47	5,079.25	4,998.56	80.69	62.951		
7,900.00	7,229.11	7,359.43	7,134.95	36.91	46.99	-88.64	890.19	4,981.49	4,988.08	4,907.12	80.95	61.616		
8,000.00	7,229.22	7,358.11	7,133.63	38.28	46.98	-88.61	890.10	4,981.52	4,897.25	4,815.97	81.28	60.251		
8,100.00	7,229.33	7,356.76	7,132.28	39.83	46.98	-88.57	890.01	4,981.55	4,806.78	4,725.12	81.67	58.858		
8,200.00	7,229.43	7,355.39	7,130.92	41.53	46.97	-88.53	889.92	4,981.58	4,716.70	4,634.58	82.12	57.436		
8,300.00	7,229.54	7,354.00	7,129.53	43.36	46.97	-88.49	889.83	4,981.60	4,627.03	4,544.38	82.64	55.987		
8,400.00	7,229.65	7,352.58	7,128.12	45.30	46.97	-88.45	889.74	4,981.63	4,537.79	4,454.54	83.24	54.513		
8,500.00	7,229.75	7,351.14	7,126.68	47.33	46.96	-88.41	889.65	4,981.66	4,449.00	4,365.08	83.92	53.015		
8,600.00	7,229.86	7,349.68	7,125.22	49.45	46.96	-88.37	889.55	4,981.69	4,360.70	4,276.02	84.68	51.497		
8,700.00	7,229.97	7,348.20	7,123.74	51.64	46.95	-88.33	889.46	4,981.73	4,272.91	4,187.39	85.53	49.960		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,230.07	7,346.69	7,122.24	53.89	46.95	-88.29	889.36	4,981.76	4,185.67	4,099.21	86.46	48.409		
8,900.00	7,230.18	7,345.15	7,120.70	56.19	46.94	-88.25	889.26	4,981.79	4,099.02	4,011.52	87.50	46.847		
9,000.00	7,230.29	7,343.59	7,119.14	58.55	46.94	-88.20	889.15	4,981.83	4,012.98	3,924.35	88.63	45.277		
9,100.00	7,230.39	7,342.00	7,117.56	60.94	46.93	-88.16	889.05	4,981.86	3,927.60	3,837.74	89.87	43.705		
9,200.00	7,230.50	7,340.38	7,115.95	63.38	46.93	-88.11	888.94	4,981.90	3,842.93	3,751.72	91.21	42.133		
9,300.00	7,230.61	7,338.74	7,114.30	65.85	46.92	-88.07	888.84	4,981.93	3,759.01	3,666.35	92.66	40.566		
9,400.00	7,230.72	7,337.06	7,112.63	68.35	46.92	-88.02	888.73	4,981.97	3,675.90	3,581.67	94.23	39.010		
9,500.00	7,230.82	7,335.36	7,110.93	70.87	46.91	-87.98	888.61	4,982.01	3,593.64	3,497.73	95.91	37.467		
9,600.00	7,230.93	7,333.62	7,109.20	73.42	46.91	-87.93	888.50	4,982.05	3,512.30	3,414.58	97.72	35.943		
9,700.00	7,231.04	7,331.86	7,107.44	75.99	46.90	-87.88	888.38	4,982.09	3,431.95	3,332.30	99.65	34.441		
9,800.00	7,231.14	7,330.06	7,105.65	78.59	46.90	-87.83	888.27	4,982.13	3,352.66	3,250.96	101.70	32.965		
9,900.00	7,231.25	7,328.22	7,103.82	81.19	46.89	-87.78	888.14	4,982.17	3,274.50	3,170.61	103.89	31.520		
10,000.00	7,231.36	7,326.36	7,101.96	83.82	46.89	-87.73	888.02	4,982.22	3,197.55	3,091.35	106.20	30.109		
10,100.00	7,231.46	7,324.46	7,100.06	86.46	46.88	-87.67	887.90	4,982.26	3,121.91	3,013.26	108.65	28.734		
10,200.00	7,231.57	7,322.52	7,098.13	89.11	46.88	-87.62	887.77	4,982.31	3,047.67	2,936.44	111.23	27.400		
10,300.00	7,231.68	7,320.54	7,096.16	91.77	46.87	-87.56	887.64	4,982.36	2,974.94	2,860.99	113.94	26.109		
10,400.00	7,231.78	7,318.53	7,094.15	94.45	46.86	-87.51	887.50	4,982.41	2,903.83	2,787.03	116.79	24.863		
10,500.00	7,231.89	7,316.48	7,092.10	97.14	46.86	-87.45	887.37	4,982.46	2,834.46	2,714.69	119.77	23.665		
10,600.00	7,232.00	7,314.38	7,090.01	99.83	46.85	-87.39	887.23	4,982.51	2,766.97	2,644.08	122.89	22.517		
10,700.00	7,232.10	7,312.25	7,087.88	102.53	46.85	-87.33	887.09	4,982.56	2,701.49	2,575.37	126.12	21.420		
10,800.00	7,232.21	7,310.07	7,085.71	105.25	46.84	-87.27	886.94	4,982.62	2,638.17	2,508.70	129.48	20.376		
10,900.00	7,232.32	7,307.85	7,083.49	107.96	46.83	-87.21	886.79	4,982.68	2,577.18	2,444.24	132.94	19.385		
11,000.00	7,232.42	7,305.58	7,081.23	110.69	46.83	-87.15	886.64	4,982.74	2,518.68	2,382.17	136.51	18.450		
11,100.00	7,232.53	7,303.26	7,078.92	113.42	46.82	-87.09	886.48	4,982.80	2,462.86	2,322.69	140.17	17.571		
11,200.00	7,232.64	7,300.90	7,076.56	116.16	46.81	-87.02	886.33	4,982.86	2,409.88	2,265.99	143.89	16.748		
11,300.00	7,232.74	7,300.00	7,075.66	118.90	46.81	-87.00	886.27	4,982.88	2,359.96	2,212.28	147.68	15.980		
11,400.00	7,232.85	7,300.00	7,075.66	121.65	46.81	-87.00	886.27	4,982.88	2,313.28	2,161.77	151.51	15.269		
11,500.00	7,232.96	7,294.80	7,070.48	124.41	46.79	-86.85	885.92	4,983.02	2,270.04	2,114.75	155.30	14.618		
11,600.00	7,233.06	7,292.80	7,068.48	127.16	46.79	-86.80	885.79	4,983.08	2,230.46	2,071.37	159.08	14.021		
11,700.00	7,233.17	7,290.79	7,066.47	129.92	46.78	-86.74	885.65	4,983.13	2,194.71	2,031.89	162.82	13.480		
11,800.00	7,233.28	7,288.76	7,064.45	132.69	46.77	-86.68	885.52	4,983.18	2,163.00	1,996.54	166.46	12.994		
11,900.00	7,233.38	7,286.72	7,062.42	135.46	46.77	-86.63	885.39	4,983.24	2,135.50	1,965.52	169.98	12.563		
12,000.00	7,233.49	7,284.67	7,060.37	138.23	46.76	-86.57	885.25	4,983.30	2,112.38	1,939.04	173.35	12.186		
12,100.00	7,233.60	7,282.61	7,058.32	141.01	46.76	-86.51	885.12	4,983.35	2,093.79	1,917.27	176.52	11.862		
12,200.00	7,233.71	7,280.53	7,056.24	143.79	46.75	-86.46	884.98	4,983.41	2,079.84	1,900.36	179.47	11.589		
12,300.00	7,233.81	7,278.44	7,054.16	146.57	46.74	-86.40	884.85	4,983.47	2,070.62	1,888.44	182.18	11.366		
12,400.00	7,233.92	7,276.34	7,052.06	149.35	46.74	-86.34	884.71	4,983.52	2,066.21	1,881.59	184.62	11.192		
12,441.31	7,233.96	7,275.47	7,051.19	150.50	46.74	-86.32	884.66	4,983.55	2,065.80	1,880.26	185.54	11.134 CC		
12,500.00	7,234.03	7,274.22	7,049.95	152.14	46.73	-86.28	884.58	4,983.58	2,066.63	1,879.86	186.77	11.065 ES		
12,600.00	7,234.13	7,272.10	7,047.83	154.93	46.72	-86.22	884.44	4,983.64	2,071.88	1,883.25	188.63	10.984		
12,700.00	7,234.24	7,269.95	7,045.69	157.72	46.72	-86.16	884.30	4,983.70	2,081.92	1,891.74	190.19	10.947 SF		
12,800.00	7,234.35	7,267.80	7,043.54	160.52	46.71	-86.10	884.17	4,983.76	2,096.69	1,905.24	191.45	10.952		
12,900.00	7,234.45	7,265.63	7,041.38	163.31	46.71	-86.04	884.03	4,983.82	2,116.08	1,923.66	192.43	10.997		
13,000.00	7,234.56	7,263.45	7,039.20	166.11	46.70	-85.98	883.89	4,983.88	2,139.97	1,946.85	193.12	11.081		
13,100.00	7,234.67	7,261.25	7,037.01	168.91	46.69	-85.92	883.76	4,983.94	2,168.21	1,974.65	193.56	11.202		
13,200.00	7,234.77	7,259.04	7,034.81	171.71	46.69	-85.86	883.62	4,984.01	2,200.64	2,006.88	193.76	11.358		
13,300.00	7,234.88	7,256.82	7,032.59	174.52	46.68	-85.80	883.48	4,984.07	2,237.06	2,043.34	193.73	11.547		
13,400.00	7,234.99	7,254.58	7,030.36	177.32	46.67	-85.74	883.34	4,984.13	2,277.30	2,083.80	193.50	11.769		
13,500.00	7,235.09	7,252.33	7,028.11	180.13	46.67	-85.67	883.20	4,984.20	2,321.14	2,128.05	193.10	12.021		
13,600.00	7,235.20	7,250.06	7,025.85	182.94	46.66	-85.61	883.06	4,984.26	2,368.40	2,175.86	192.54	12.301		
13,700.00	7,235.31	7,247.78	7,023.57	185.74	46.65	-85.55	882.93	4,984.33	2,418.87	2,227.02	191.84	12.609		
13,800.00	7,235.41	7,245.48	7,021.28	188.56	46.65	-85.48	882.79	4,984.39	2,472.35	2,281.32	191.03	12.942		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,235.52	7,243.17	7,018.97	191.37	46.64	-85.42	882.65	4,984.46	2,528.65	2,338.53	190.12	13.300		
14,000.00	7,235.63	7,240.84	7,016.65	194.18	46.63	-85.36	882.51	4,984.53	2,587.59	2,398.46	189.13	13.681		
14,100.00	7,235.73	7,238.50	7,014.32	197.00	46.62	-85.29	882.37	4,984.60	2,649.00	2,460.92	188.08	14.085		
14,200.00	7,235.84	7,236.15	7,011.96	199.81	46.62	-85.23	882.23	4,984.66	2,712.69	2,525.72	186.97	14.509		
14,300.00	7,235.95	7,233.77	7,009.60	202.63	46.61	-85.16	882.08	4,984.73	2,778.53	2,592.71	185.82	14.952		
14,400.00	7,236.05	7,231.39	7,007.21	205.44	46.60	-85.09	881.94	4,984.80	2,846.35	2,661.71	184.65	15.415		
14,500.00	7,236.16	7,228.98	7,004.82	208.26	46.60	-85.03	881.80	4,984.87	2,916.03	2,732.57	183.46	15.895		
14,600.00	7,236.27	7,226.56	7,002.40	211.08	46.59	-84.96	881.66	4,984.94	2,987.42	2,805.17	182.25	16.392		
14,700.00	7,236.37	7,224.13	6,999.97	213.90	46.58	-84.89	881.52	4,985.02	3,060.42	2,879.38	181.04	16.904		
14,800.00	7,236.48	7,221.67	6,997.52	216.72	46.57	-84.82	881.38	4,985.09	3,134.90	2,955.07	179.84	17.432		
14,900.00	7,236.59	7,219.21	6,995.06	219.55	46.57	-84.76	881.24	4,985.16	3,210.77	3,032.14	178.64	17.974		
15,000.00	7,236.69	7,216.72	6,992.58	222.37	46.56	-84.69	881.09	4,985.24	3,287.93	3,110.48	177.45	18.529		
15,100.00	7,236.80	7,214.22	6,990.08	225.19	46.55	-84.62	880.95	4,985.31	3,366.29	3,190.01	176.27	19.097		
15,200.00	7,236.91	7,211.70	6,987.57	228.02	46.54	-84.55	880.81	4,985.39	3,445.76	3,270.65	175.12	19.677		
15,300.00	7,237.02	7,209.16	6,985.04	230.84	46.54	-84.48	880.66	4,985.46	3,526.28	3,352.30	173.98	20.268		
15,400.00	7,237.12	7,206.61	6,982.49	233.67	46.53	-84.41	880.52	4,985.54	3,607.77	3,434.91	172.87	20.870		
15,500.00	7,237.23	7,204.04	6,979.92	236.50	46.52	-84.34	880.38	4,985.62	3,690.17	3,518.40	171.77	21.483		
15,600.00	7,237.34	7,201.45	6,977.34	239.32	46.51	-84.26	880.23	4,985.70	3,773.42	3,602.72	170.71	22.105		
15,700.00	7,237.44	7,200.00	6,975.89	242.15	46.51	-84.22	880.15	4,985.74	3,857.47	3,687.80	169.67	22.735		
15,800.00	7,237.55	7,200.00	6,975.89	244.98	46.51	-84.22	880.15	4,985.74	3,942.25	3,773.59	168.67	23.373		
15,900.00	7,237.66	7,194.46	6,970.36	247.81	46.49	-84.07	879.85	4,985.91	4,027.73	3,860.08	167.65	24.024		
16,000.00	7,237.76	7,192.20	6,968.11	250.64	46.49	-84.01	879.73	4,985.98	4,113.87	3,947.18	166.69	24.680		
16,100.00	7,237.87	7,189.94	6,965.86	253.47	46.48	-83.95	879.61	4,986.05	4,200.62	4,034.87	165.75	25.343		
16,200.00	7,237.98	7,187.69	6,963.61	256.30	46.47	-83.88	879.48	4,986.12	4,287.94	4,123.11	164.83	26.014		
16,300.00	7,238.08	7,185.44	6,961.37	259.13	46.47	-83.82	879.36	4,986.18	4,375.81	4,211.86	163.94	26.691		
16,400.00	7,238.19	7,183.20	6,959.13	261.96	46.46	-83.76	879.24	4,986.25	4,464.18	4,301.10	163.08	27.375		
16,500.00	7,238.30	7,180.97	6,956.89	264.79	46.45	-83.70	879.13	4,986.32	4,553.03	4,390.80	162.24	28.064		
16,600.00	7,238.40	7,178.73	6,954.67	267.63	46.45	-83.64	879.01	4,986.39	4,642.34	4,480.92	161.42	28.760		
16,700.00	7,238.51	7,176.50	6,952.44	270.46	46.44	-83.57	878.89	4,986.45	4,732.07	4,571.45	160.62	29.460		
16,800.00	7,238.62	7,174.28	6,950.22	273.29	46.43	-83.51	878.77	4,986.52	4,822.21	4,662.36	159.85	30.166		
16,900.00	7,238.72	7,172.06	6,948.01	276.13	46.43	-83.45	878.66	4,986.59	4,912.72	4,753.62	159.10	30.877		
17,000.00	7,238.83	7,169.84	6,945.79	278.96	46.42	-83.39	878.54	4,986.66	5,003.60	4,845.22	158.38	31.593		
17,100.00	7,238.94	7,167.63	6,943.59	281.80	46.41	-83.33	878.43	4,986.72	5,094.82	4,937.15	157.67	32.313		
17,200.00	7,239.04	7,165.43	6,941.39	284.63	46.41	-83.27	878.32	4,986.79	5,186.35	5,029.37	156.98	33.038		
17,300.00	7,239.15	7,163.23	6,939.19	287.47	46.40	-83.21	878.21	4,986.85	5,278.20	5,121.88	156.32	33.766		
17,400.00	7,239.26	7,161.03	6,936.99	290.30	46.40	-83.15	878.09	4,986.92	5,370.33	5,214.66	155.67	34.498		
17,500.00	7,239.36	7,158.84	6,934.81	293.14	46.39	-83.09	877.98	4,986.99	5,462.74	5,307.70	155.04	35.234		
17,600.00	7,239.47	7,156.65	6,932.62	295.98	46.38	-83.03	877.87	4,987.05	5,555.42	5,400.99	154.43	35.974		
17,700.00	7,239.58	7,154.46	6,930.44	298.81	46.38	-82.97	877.76	4,987.12	5,648.34	5,494.50	153.84	36.716		
17,800.00	7,239.68	7,152.28	6,928.26	301.65	46.37	-82.91	877.66	4,987.18	5,741.49	5,588.23	153.26	37.462		
17,900.00	7,239.79	7,150.11	6,926.09	304.49	46.36	-82.85	877.55	4,987.25	5,834.88	5,682.18	152.70	38.211		
18,000.00	7,239.90	7,147.94	6,923.92	307.33	46.36	-82.79	877.44	4,987.31	5,928.47	5,776.32	152.16	38.963		
18,095.23	7,240.00	7,145.87	6,921.86	310.03	46.35	-82.73	877.34	4,987.37	6,017.80	5,866.14	151.66	39.681		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.75	-562.57	5,590.19	5,618.65					
100.00	100.00	53.94	53.94	3.28	3.28	95.75	-562.55	5,590.17	5,618.41	5,611.84	6.57	855.573		
200.00	200.00	161.82	161.82	3.34	3.30	95.75	-562.40	5,590.04	5,618.27	5,611.63	6.64	846.607		
259.96	259.96	226.50	226.50	3.39	3.32	-98.09	-562.24	5,589.89	5,618.20	5,611.49	6.71	837.290		
300.00	299.98	269.68	269.67	3.44	3.33	-98.10	-562.10	5,589.76	5,618.23	5,611.46	6.77	829.585		
400.00	399.84	377.38	377.38	3.59	3.38	-98.16	-561.66	5,589.35	5,618.55	5,611.58	6.97	805.935		
500.00	499.45	484.79	484.78	3.79	3.45	-98.24	-561.06	5,588.81	5,619.24	5,612.00	7.23	776.713		
600.00	598.70	591.76	591.75	4.03	3.53	-98.36	-560.33	5,588.13	5,620.31	5,612.75	7.56	743.716		
700.00	697.47	698.15	698.13	4.31	3.62	-98.51	-559.45	5,587.32	5,621.79	5,613.85	7.93	708.554		
800.00	795.62	803.82	803.79	4.64	3.73	-98.68	-558.43	5,586.38	5,623.71	5,615.34	8.36	672.538		
900.00	893.06	908.62	908.59	5.00	3.84	-98.88	-557.28	5,585.33	5,626.10	5,617.26	8.84	636.668		
1,000.00	989.64	1,012.43	1,012.38	5.40	3.96	-99.11	-556.00	5,584.15	5,629.02	5,619.66	9.36	601.653		
1,100.00	1,085.27	1,115.10	1,115.03	5.83	4.09	-99.35	-554.61	5,582.87	5,632.50	5,622.58	9.92	567.971		
1,200.00	1,179.82	1,216.50	1,216.41	6.29	4.23	-99.61	-553.09	5,581.47	5,636.61	5,626.09	10.52	535.918		
1,235.00	1,212.63	1,251.67	1,251.57	6.46	4.28	-99.71	-552.54	5,580.96	5,638.20	5,627.47	10.74	525.168		
1,300.00	1,273.43	1,317.83	1,317.71	6.79	4.40	-99.96	-551.45	5,579.96	5,641.27	5,630.10	11.17	504.877		
1,400.00	1,366.98	1,418.99	1,418.84	7.30	4.70	-100.33	-549.76	5,578.25	5,646.01	5,634.02	11.99	470.777		
1,500.00	1,460.52	1,500.99	1,500.82	7.84	4.97	-100.63	-548.68	5,576.92	5,651.07	5,638.28	12.78	442.069		
1,600.00	1,554.07	1,597.60	1,597.42	8.38	5.29	-100.98	-547.55	5,575.45	5,656.45	5,642.80	13.65	414.502		
1,700.00	1,647.61	1,749.26	1,749.04	8.93	5.83	-101.52	-546.36	5,572.12	5,661.40	5,646.67	14.73	384.373		
1,800.00	1,741.16	3,134.28	3,115.89	9.49	11.62	-106.18	-562.54	5,387.07	5,664.35	5,643.77	20.58	275.277		
1,900.00	1,834.70	3,311.74	3,286.97	10.06	12.49	-106.77	-566.47	5,340.18	5,646.36	5,624.50	21.87	258.233		
2,000.00	1,928.25	3,365.00	3,338.45	10.63	12.75	-106.95	-566.95	5,326.56	5,629.47	5,606.79	22.68	248.199		
2,100.00	2,021.79	3,365.00	3,338.45	11.21	12.75	-106.95	-566.95	5,326.56	5,613.47	5,590.17	23.30	240.956		
2,200.00	2,115.33	3,431.93	3,403.39	11.79	13.08	-107.18	-568.04	5,310.35	5,598.59	5,574.42	24.18	231.560		
2,300.00	2,208.88	3,770.73	3,730.22	12.37	14.81	-108.30	-578.45	5,221.91	5,581.90	5,555.77	26.12	213.674		
2,400.00	2,302.42	3,985.90	3,935.69	12.96	15.98	-109.00	-586.96	5,158.60	5,562.02	5,534.42	27.59	201.573		
2,500.00	2,395.97	4,021.00	3,969.12	13.55	16.17	-109.12	-588.21	5,147.99	5,542.11	5,513.73	28.38	195.297		
2,600.00	2,489.51	4,064.06	4,010.26	14.14	16.40	-109.26	-589.79	5,135.38	5,523.24	5,494.04	29.20	189.180		
2,700.00	2,583.06	4,115.00	4,059.22	14.74	16.68	-109.43	-591.85	5,121.47	5,505.92	5,475.87	30.05	183.247		
2,800.00	2,676.60	4,115.00	4,059.22	15.34	16.68	-109.43	-591.85	5,121.47	5,489.55	5,458.85	30.70	178.803		
2,900.00	2,770.14	4,157.41	4,100.17	15.93	16.90	-109.57	-593.60	5,110.59	5,474.55	5,443.03	31.52	173.684		
3,000.00	2,863.69	4,208.00	4,149.19	16.53	17.17	-109.74	-595.54	5,098.24	5,460.74	5,428.37	32.37	168.690		
3,100.00	2,957.23	4,233.02	4,173.50	17.13	17.29	-109.82	-596.46	5,092.38	5,448.00	5,414.88	33.12	164.487		
3,200.00	3,050.78	4,271.82	4,211.27	17.74	17.49	-109.95	-597.89	5,083.61	5,436.44	5,402.52	33.92	160.254		
3,300.00	3,144.32	4,302.00	4,240.71	18.34	17.65	-110.05	-598.99	5,077.06	5,426.05	5,391.36	34.69	156.410		
3,400.00	3,237.87	4,346.49	4,284.21	18.94	17.87	-110.20	-600.56	5,067.85	5,416.80	5,381.28	35.51	152.534		
3,500.00	3,331.41	4,396.00	4,332.75	19.55	18.11	-110.37	-602.18	5,058.26	5,408.80	5,372.45	36.35	148.790		
3,600.00	3,424.96	4,429.89	4,366.05	20.15	18.28	-110.49	-603.20	5,052.02	5,401.87	5,364.74	37.12	145.506		
3,666.72	3,487.37	4,465.21	4,400.78	20.56	18.45	-110.61	-604.20	5,045.69	5,397.79	5,360.10	37.69	143.213		
3,700.00	3,518.57	4,490.00	4,425.18	20.76	18.57	-110.65	-604.86	5,041.35	5,395.85	5,357.85	38.00	141.992		
3,800.00	3,613.09	4,520.37	4,455.10	21.34	18.72	-110.64	-605.63	5,036.22	5,389.90	5,351.16	38.73	139.153		
3,900.00	3,708.70	4,555.78	4,490.05	21.90	18.88	-110.63	-606.47	5,030.61	5,383.94	5,344.49	39.46	136.442		
4,000.00	3,805.27	4,583.00	4,516.97	22.44	19.01	-110.59	-607.08	5,026.56	5,377.99	5,337.87	40.12	134.041		
4,100.00	3,902.69	4,618.57	4,552.19	22.95	19.17	-110.56	-607.81	5,021.70	5,372.09	5,331.30	40.79	131.706		
4,200.00	4,000.84	4,677.00	4,610.22	23.43	19.44	-110.55	-608.86	5,014.92	5,366.57	5,325.05	41.53	129.235		
4,300.00	4,099.59	4,677.00	4,610.22	23.89	19.44	-110.44	-608.86	5,014.92	5,360.61	5,318.63	41.98	127.704		
4,400.00	4,198.84	4,721.62	4,654.61	24.32	19.64	-110.39	-609.45	5,010.52	5,354.88	5,312.29	42.59	125.722		
4,500.00	4,298.45	4,771.00	4,703.80	24.73	19.85	-110.32	-609.75	5,006.13	5,348.97	5,305.77	43.20	123.809		
4,600.00	4,398.30	4,802.80	4,735.50	25.11	19.99	-110.23	-609.73	5,003.64	5,342.94	5,299.24	43.70	122.255		
4,701.72	4,500.00	4,864.00	4,796.57	25.45	20.25	83.70	-609.12	4,999.76	5,336.99	5,292.70	44.29	120.500		
4,800.00	4,598.28	4,864.00	4,796.57	25.74	20.25	83.70	-609.12	4,999.76	5,331.51	5,286.97	44.54	119.701		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,920.43	4,852.94	26.04	20.48	83.68	-608.29	4,997.12	5,327.12	5,282.07	45.06	118.232		
5,000.00	4,798.28	4,958.00	4,890.48	26.34	20.64	83.68	-607.83	4,995.78	5,323.81	5,278.33	45.48	117.053		
5,100.00	4,898.28	5,031.97	4,964.41	26.65	20.94	83.67	-607.19	4,993.79	5,321.27	5,275.18	46.08	115.471		
5,200.00	4,998.28	5,065.90	4,998.34	26.96	21.08	83.67	-607.01	4,993.08	5,319.55	5,273.06	46.49	114.427		
5,250.06	5,048.34	5,065.90	4,998.34	27.12	21.08	83.67	-607.01	4,993.08	5,319.31	5,272.71	46.61	114.136		
5,300.00	5,098.28	5,065.90	4,998.34	27.27	21.08	83.67	-607.01	4,993.08	5,319.55	5,272.83	46.72	113.867		
5,400.00	5,198.28	5,065.90	4,998.34	27.59	21.08	83.67	-607.01	4,993.08	5,321.43	5,274.49	46.93	113.383		
5,500.00	5,298.28	5,065.90	4,998.34	27.91	21.08	83.67	-607.01	4,993.08	5,325.18	5,278.05	47.14	112.974		
5,600.00	5,398.28	5,065.90	4,998.34	28.23	21.08	83.67	-607.01	4,993.08	5,330.81	5,283.49	47.33	112.639		
5,700.00	5,498.28	5,065.90	4,998.34	28.56	21.08	83.67	-607.01	4,993.08	5,338.31	5,290.81	47.50	112.377		
5,800.00	5,598.28	5,065.90	4,998.34	28.89	21.08	83.67	-607.01	4,993.08	5,347.67	5,300.00	47.67	112.188		
5,900.00	5,698.28	5,065.90	4,998.34	29.22	21.08	83.67	-607.01	4,993.08	5,358.87	5,311.06	47.82	112.070		
6,000.00	5,798.28	5,065.90	4,998.34	29.56	21.08	83.67	-607.01	4,993.08	5,371.92	5,323.97	47.95	112.023		
6,100.00	5,898.28	5,065.90	4,998.34	29.90	21.08	83.67	-607.01	4,993.08	5,386.79	5,338.71	48.08	112.046		
6,200.00	5,998.28	5,065.90	4,998.34	30.24	21.08	83.67	-607.01	4,993.08	5,403.47	5,355.28	48.19	112.137		
6,300.00	6,098.28	5,065.90	4,998.34	30.58	21.08	83.67	-607.01	4,993.08	5,421.94	5,373.66	48.28	112.296		
6,400.00	6,198.28	5,065.90	4,998.34	30.92	21.08	83.67	-607.01	4,993.08	5,442.19	5,393.83	48.37	112.521		
6,500.00	6,298.28	5,065.90	4,998.34	31.27	21.08	83.67	-607.01	4,993.08	5,464.20	5,415.76	48.44	112.812		
6,600.00	6,398.28	5,065.90	4,998.34	31.62	21.08	83.67	-607.01	4,993.08	5,487.94	5,439.44	48.49	113.167		
6,700.00	6,498.28	5,065.90	4,998.34	31.97	21.08	83.67	-607.01	4,993.08	5,513.39	5,464.85	48.54	113.586		
6,794.10	6,592.38	5,065.90	4,998.34	32.31	21.08	83.67	-607.01	4,993.08	5,538.88	5,490.31	48.57	114.037		
6,800.00	6,598.28	5,065.90	4,998.34	32.33	21.08	-6.13	-607.01	4,993.08	5,540.50	5,491.93	48.57	114.066		
6,850.00	6,648.21	5,065.90	4,998.34	32.51	21.08	-6.02	-607.01	4,993.08	5,552.36	5,503.78	48.59	114.280		
6,900.00	6,697.79	5,065.90	4,998.34	32.69	21.08	-5.94	-607.01	4,993.08	5,560.84	5,512.25	48.59	114.442		
6,950.00	6,746.73	5,065.90	4,998.34	32.86	21.08	-5.89	-607.01	4,993.08	5,565.88	5,517.30	48.59	114.551		
7,000.00	6,794.71	5,065.90	4,998.34	33.03	21.08	-5.87	-607.01	4,993.08	5,567.48	5,518.90	48.58	114.607		
7,050.00	6,841.44	5,065.90	4,998.34	33.20	21.08	-5.89	-607.01	4,993.08	5,565.62	5,517.06	48.56	114.611		
7,100.00	6,886.64	5,065.90	4,998.34	33.35	21.08	-5.94	-607.01	4,993.08	5,560.32	5,511.78	48.53	114.564		
7,150.00	6,930.03	5,065.90	4,998.34	33.50	21.08	-6.02	-607.01	4,993.08	5,551.59	5,503.09	48.50	114.467		
7,200.00	6,971.33	5,065.90	4,998.34	33.64	21.08	-6.14	-607.01	4,993.08	5,539.47	5,491.01	48.46	114.319		
7,250.00	7,010.30	5,065.90	4,998.34	33.77	21.08	-6.30	-607.01	4,993.08	5,524.01	5,475.61	48.41	114.120		
7,300.00	7,046.69	5,065.90	4,998.34	33.89	21.08	-6.51	-607.01	4,993.08	5,505.29	5,456.95	48.35	113.869		
7,350.00	7,080.28	5,065.90	4,998.34	34.00	21.08	-6.76	-607.01	4,993.08	5,483.39	5,435.10	48.28	113.567		
7,400.00	7,110.86	5,065.90	4,998.34	34.11	21.08	-7.07	-607.01	4,993.08	5,458.40	5,410.18	48.21	113.212		
7,450.00	7,138.25	5,065.90	4,998.34	34.21	21.08	-7.46	-607.01	4,993.08	5,430.43	5,382.29	48.14	112.804		
7,500.00	7,162.27	5,065.90	4,998.34	34.32	21.08	-7.93	-607.01	4,993.08	5,399.62	5,351.55	48.06	112.344		
7,550.00	7,182.77	5,065.90	4,998.34	34.43	21.08	-8.51	-607.01	4,993.08	5,366.10	5,318.12	47.98	111.829		
7,600.00	7,199.64	5,065.90	4,998.34	34.57	21.08	-9.23	-607.01	4,993.08	5,330.04	5,282.13	47.91	111.262		
7,650.00	7,212.76	5,065.90	4,998.34	34.76	21.08	-10.14	-607.01	4,993.08	5,291.60	5,243.78	47.83	110.641		
7,700.00	7,222.06	5,065.90	4,998.34	35.02	21.08	-11.31	-607.01	4,993.08	5,250.98	5,203.23	47.75	109.968		
7,750.00	7,227.47	5,065.90	4,998.34	35.37	21.08	-12.85	-607.01	4,993.08	5,208.37	5,160.70	47.68	109.242		
7,793.42	7,229.00	5,065.90	4,998.34	35.74	21.08	-14.61	-607.01	4,993.08	5,169.93	5,122.31	47.62	108.568		
7,800.00	7,229.01	5,065.90	4,998.34	35.80	21.08	-14.61	-607.01	4,993.08	5,164.02	5,116.40	47.61	108.458		
7,900.00	7,229.11	5,065.90	4,998.34	36.91	21.08	-14.61	-607.01	4,993.08	5,074.28	5,026.81	47.47	106.897		
8,000.00	7,229.22	5,065.90	4,998.34	38.28	21.08	-14.61	-607.01	4,993.08	4,984.93	4,937.60	47.33	105.326		
8,100.00	7,229.33	5,065.90	4,998.34	39.83	21.08	-14.61	-607.01	4,993.08	4,895.99	4,848.80	47.19	103.744		
8,200.00	7,229.43	5,065.90	4,998.34	41.53	21.08	-14.61	-607.01	4,993.08	4,807.49	4,760.43	47.06	102.151		
8,300.00	7,229.54	5,065.90	4,998.34	43.36	21.08	-14.61	-607.01	4,993.08	4,719.45	4,672.51	46.94	100.545		
8,400.00	7,229.65	5,065.90	4,998.34	45.30	21.08	-14.61	-607.01	4,993.08	4,631.89	4,585.07	46.82	98.925		
8,500.00	7,229.75	5,065.90	4,998.34	47.33	21.08	-14.61	-607.01	4,993.08	4,544.85	4,498.14	46.71	97.290		
8,600.00	7,229.86	5,065.90	4,998.34	49.45	21.08	-14.61	-607.01	4,993.08	4,458.35	4,411.73	46.62	95.640		
8,700.00	7,229.97	5,065.90	4,998.34	51.64	21.08	-14.61	-607.01	4,993.08	4,372.43	4,325.90	46.53	93.973		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,230.07	5,065.90	4,998.34	53.89	21.08	-14.61	-607.01	4,993.08	4,287.11	4,240.66	46.45	92.288		
8,900.00	7,230.18	5,065.90	4,998.34	56.19	21.08	-14.61	-607.01	4,993.08	4,202.45	4,156.06	46.39	90.585		
9,000.00	7,230.29	5,065.90	4,998.34	58.55	21.08	-14.61	-607.01	4,993.08	4,118.47	4,072.12	46.35	88.862		
9,100.00	7,230.39	5,065.90	4,998.34	60.94	21.08	-14.61	-607.01	4,993.08	4,035.22	3,988.91	46.32	87.119		
9,200.00	7,230.50	5,065.90	4,998.34	63.38	21.08	-14.61	-607.01	4,993.08	3,952.75	3,906.44	46.31	85.355		
9,300.00	7,230.61	5,065.90	4,998.34	65.85	21.08	-14.61	-607.01	4,993.08	3,871.11	3,824.79	46.32	83.569		
9,400.00	7,230.72	5,065.90	4,998.34	68.35	21.08	-14.61	-607.01	4,993.08	3,790.35	3,743.99	46.36	81.762		
9,500.00	7,230.82	5,065.90	4,998.34	70.87	21.08	-14.61	-607.01	4,993.08	3,710.52	3,664.10	46.42	79.934		
9,600.00	7,230.93	5,065.90	4,998.34	73.42	21.08	-14.61	-607.01	4,993.08	3,631.69	3,585.18	46.51	78.085		
9,700.00	7,231.04	5,065.90	4,998.34	75.99	21.08	-14.61	-607.01	4,993.08	3,553.93	3,507.30	46.63	76.216		
9,800.00	7,231.14	5,065.90	4,998.34	78.59	21.08	-14.61	-607.01	4,993.08	3,477.30	3,430.52	46.78	74.328		
9,900.00	7,231.25	5,065.90	4,998.34	81.19	21.08	-14.61	-607.01	4,993.08	3,401.89	3,354.92	46.97	72.424		
10,000.00	7,231.36	5,065.90	4,998.34	83.82	21.08	-14.61	-607.01	4,993.08	3,327.78	3,280.58	47.20	70.505		
10,100.00	7,231.46	5,065.90	4,998.34	86.46	21.08	-14.61	-607.01	4,993.08	3,255.05	3,207.58	47.47	68.577		
10,200.00	7,231.57	5,065.90	4,998.34	89.11	21.08	-14.61	-607.01	4,993.08	3,183.80	3,136.02	47.78	66.641		
10,300.00	7,231.68	5,065.90	4,998.34	91.77	21.08	-14.61	-607.01	4,993.08	3,114.13	3,066.00	48.13	64.703		
10,400.00	7,231.78	5,065.90	4,998.34	94.45	21.08	-14.61	-607.01	4,993.08	3,046.15	2,997.62	48.53	62.769		
10,500.00	7,231.89	5,065.90	4,998.34	97.14	21.08	-14.61	-607.01	4,993.08	2,979.97	2,931.00	48.98	60.843		
10,600.00	7,232.00	5,065.90	4,998.34	99.83	21.08	-14.61	-607.01	4,993.08	2,915.73	2,866.25	49.48	58.933		
10,700.00	7,232.10	5,065.90	4,998.34	102.53	21.08	-14.61	-607.01	4,993.08	2,853.54	2,803.52	50.02	57.044		
10,800.00	7,232.21	5,065.90	4,998.34	105.25	21.08	-14.61	-607.01	4,993.08	2,793.55	2,742.93	50.62	55.184		
10,900.00	7,232.32	5,065.90	4,998.34	107.96	21.08	-14.61	-607.01	4,993.08	2,735.90	2,684.63	51.27	53.361		
11,000.00	7,232.42	5,065.90	4,998.34	110.69	21.08	-14.61	-607.01	4,993.08	2,680.74	2,628.77	51.97	51.581		
11,100.00	7,232.53	5,065.90	4,998.34	113.42	21.08	-14.61	-607.01	4,993.08	2,628.24	2,575.51	52.72	49.851		
11,200.00	7,232.64	5,065.90	4,998.34	116.16	21.08	-14.61	-607.01	4,993.08	2,578.54	2,525.01	53.52	48.176		
11,300.00	7,232.74	5,065.90	4,998.34	118.90	21.08	-14.61	-607.01	4,993.08	2,531.81	2,477.44	54.37	46.564		
11,400.00	7,232.85	5,065.90	4,998.34	121.65	21.08	-14.61	-607.01	4,993.08	2,488.23	2,432.96	55.27	45.018		
11,500.00	7,232.96	5,065.90	4,998.34	124.41	21.08	-14.61	-607.01	4,993.08	2,447.97	2,391.74	56.22	43.540		
11,600.00	7,233.06	5,065.90	4,998.34	127.16	21.08	-14.61	-607.01	4,993.08	2,411.18	2,353.95	57.23	42.134		
11,700.00	7,233.17	5,065.90	4,998.34	129.92	21.08	-14.61	-607.01	4,993.08	2,378.02	2,319.74	58.29	40.799		
11,800.00	7,233.28	5,065.90	4,998.34	132.69	21.08	-14.61	-607.01	4,993.08	2,348.66	2,289.25	59.41	39.533		
11,900.00	7,233.38	5,065.90	4,998.34	135.46	21.08	-14.61	-607.01	4,993.08	2,323.24	2,262.64	60.60	38.335		
12,000.00	7,233.49	5,065.90	4,998.34	138.23	21.08	-14.61	-607.01	4,993.08	2,301.89	2,240.01	61.87	37.203		
12,100.00	7,233.60	5,065.90	4,998.34	141.01	21.08	-14.61	-607.01	4,993.08	2,284.71	2,221.49	63.22	36.137		
12,200.00	7,233.71	5,065.90	4,998.34	143.79	21.08	-14.61	-607.01	4,993.08	2,271.81	2,207.17	64.65	35.141		
12,300.00	7,233.81	5,065.90	4,998.34	146.57	21.08	-14.61	-607.01	4,993.08	2,263.27	2,197.13	66.14	34.221		
12,400.00	7,233.92	5,065.90	4,998.34	149.35	21.08	-14.61	-607.01	4,993.08	2,259.11	2,191.45	67.67	33.386		
12,443.85	7,233.97	5,065.90	4,998.34	150.58	21.08	-14.61	-607.01	4,993.08	2,258.69	2,190.35	68.34	33.049 CC		
12,500.00	7,234.03	5,065.90	4,998.34	152.14	21.08	-14.61	-607.01	4,993.08	2,259.39	2,190.18	69.21	32.645 ES		
12,600.00	7,234.13	5,065.90	4,998.34	154.93	21.08	-14.61	-607.01	4,993.08	2,264.08	2,193.34	70.74	32.004		
12,700.00	7,234.24	5,065.90	4,998.34	157.72	21.08	-14.61	-607.01	4,993.08	2,273.17	2,200.93	72.24	31.467		
12,800.00	7,234.35	5,065.90	4,998.34	160.52	21.08	-14.61	-607.01	4,993.08	2,286.60	2,212.92	73.68	31.036		
12,900.00	7,234.45	5,065.90	4,998.34	163.31	21.08	-14.61	-607.01	4,993.08	2,304.29	2,229.25	75.03	30.710		
13,000.00	7,234.56	5,065.90	4,998.34	166.11	21.08	-14.61	-607.01	4,993.08	2,326.15	2,249.85	76.30	30.486		
13,100.00	7,234.67	5,065.90	4,998.34	168.91	21.08	-14.61	-607.01	4,993.08	2,352.06	2,274.59	77.47	30.361		
13,200.00	7,234.77	5,065.90	4,998.34	171.71	21.08	-14.61	-607.01	4,993.08	2,381.90	2,303.36	78.53	30.329 SF		
13,300.00	7,234.88	5,065.90	4,998.34	174.52	21.08	-14.61	-607.01	4,993.08	2,415.50	2,336.01	79.49	30.387		
13,400.00	7,234.99	5,065.90	4,998.34	177.32	21.08	-14.61	-607.01	4,993.08	2,452.73	2,372.39	80.34	30.528		
13,500.00	7,235.09	5,065.90	4,998.34	180.13	21.08	-14.61	-607.01	4,993.08	2,493.42	2,412.32	81.09	30.747		
13,600.00	7,235.20	5,065.90	4,998.34	182.94	21.08	-14.61	-607.01	4,993.08	2,537.39	2,455.65	81.75	31.040		
13,700.00	7,235.31	5,065.90	4,998.34	185.74	21.08	-14.61	-607.01	4,993.08	2,584.49	2,502.18	82.30	31.402		
13,800.00	7,235.41	5,065.90	4,998.34	188.56	21.08	-14.61	-607.01	4,993.08	2,634.54	2,551.77	82.77	31.828		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,235.52	5,065.90	4,998.34	191.37	21.08	-14.61	-607.01	4,993.08	2,687.38	2,604.22	83.17	32.314		
14,000.00	7,235.63	5,065.90	4,998.34	194.18	21.08	-14.61	-607.01	4,993.08	2,742.86	2,659.37	83.48	32.855		
14,100.00	7,235.73	5,065.90	4,998.34	197.00	21.08	-14.61	-607.01	4,993.08	2,800.80	2,717.07	83.73	33.449		
14,200.00	7,235.84	5,065.90	4,998.34	199.81	21.08	-14.61	-607.01	4,993.08	2,861.07	2,777.14	83.93	34.090		
14,300.00	7,235.95	5,065.90	4,998.34	202.63	21.08	-14.61	-607.01	4,993.08	2,923.52	2,839.45	84.06	34.777		
14,400.00	7,236.05	5,065.90	4,998.34	205.44	21.08	-14.61	-607.01	4,993.08	2,988.01	2,903.85	84.16	35.505		
14,500.00	7,236.16	5,065.90	4,998.34	208.26	21.08	-14.61	-607.01	4,993.08	3,054.41	2,970.20	84.21	36.273		
14,600.00	7,236.27	5,065.90	4,998.34	211.08	21.08	-14.61	-607.01	4,993.08	3,122.60	3,038.38	84.22	37.077		
14,700.00	7,236.37	5,065.90	4,998.34	213.90	21.08	-14.61	-607.01	4,993.08	3,192.47	3,108.27	84.20	37.914		
14,800.00	7,236.48	5,065.90	4,998.34	216.72	21.08	-14.61	-607.01	4,993.08	3,263.91	3,179.75	84.16	38.783		
14,900.00	7,236.59	5,065.90	4,998.34	219.55	21.08	-14.61	-607.01	4,993.08	3,336.81	3,252.72	84.09	39.682		
15,000.00	7,236.69	5,065.90	4,998.34	222.37	21.08	-14.61	-607.01	4,993.08	3,411.09	3,327.09	84.00	40.607		
15,100.00	7,236.80	5,065.90	4,998.34	225.19	21.08	-14.61	-607.01	4,993.08	3,486.66	3,402.76	83.90	41.558		
15,200.00	7,236.91	5,065.90	4,998.34	228.02	21.08	-14.61	-607.01	4,993.08	3,563.43	3,479.65	83.78	42.533		
15,300.00	7,237.02	5,065.90	4,998.34	230.84	21.08	-14.61	-607.01	4,993.08	3,641.32	3,557.67	83.65	43.530		
15,400.00	7,237.12	5,065.90	4,998.34	233.67	21.08	-14.61	-607.01	4,993.08	3,720.28	3,636.77	83.51	44.548		
15,500.00	7,237.23	5,065.90	4,998.34	236.50	21.08	-14.61	-607.01	4,993.08	3,800.22	3,716.86	83.37	45.585		
15,600.00	7,237.34	5,065.90	4,998.34	239.32	21.08	-14.61	-607.01	4,993.08	3,881.10	3,797.88	83.22	46.639		
15,700.00	7,237.44	5,065.90	4,998.34	242.15	21.08	-14.61	-607.01	4,993.08	3,962.85	3,879.79	83.06	47.711		
15,800.00	7,237.55	5,065.90	4,998.34	244.98	21.08	-14.61	-607.01	4,993.08	4,045.42	3,962.51	82.90	48.798		
15,900.00	7,237.66	5,065.90	4,998.34	247.81	21.08	-14.61	-607.01	4,993.08	4,128.76	4,046.01	82.74	49.899		
16,000.00	7,237.76	5,065.90	4,998.34	250.64	21.08	-14.61	-607.01	4,993.08	4,212.82	4,130.24	82.58	51.014		
16,100.00	7,237.87	5,065.90	4,998.34	253.47	21.08	-14.61	-607.01	4,993.08	4,297.57	4,215.15	82.42	52.141		
16,200.00	7,237.98	5,065.90	4,998.34	256.30	21.08	-14.61	-607.01	4,993.08	4,382.96	4,300.69	82.26	53.280		
16,300.00	7,238.08	5,065.90	4,998.34	259.13	21.08	-14.61	-607.01	4,993.08	4,468.95	4,386.85	82.10	54.430		
16,400.00	7,238.19	5,065.90	4,998.34	261.96	21.08	-14.61	-607.01	4,993.08	4,555.52	4,473.57	81.95	55.590		
16,500.00	7,238.30	5,065.90	4,998.34	264.79	21.08	-14.61	-607.01	4,993.08	4,642.63	4,560.83	81.79	56.760		
16,600.00	7,238.40	5,065.90	4,998.34	267.63	21.08	-14.61	-607.01	4,993.08	4,730.25	4,648.60	81.64	57.938		
16,700.00	7,238.51	5,065.90	4,998.34	270.46	21.08	-14.61	-607.01	4,993.08	4,818.35	4,736.85	81.50	59.124		
16,800.00	7,238.62	5,065.90	4,998.34	273.29	21.08	-14.61	-607.01	4,993.08	4,906.90	4,825.55	81.35	60.318		
16,900.00	7,238.72	5,065.90	4,998.34	276.13	21.08	-14.61	-607.01	4,993.08	4,995.89	4,914.68	81.21	61.519		
17,000.00	7,238.83	5,065.90	4,998.34	278.96	21.08	-14.61	-607.01	4,993.08	5,085.29	5,004.21	81.07	62.726		
17,100.00	7,238.94	5,065.90	4,998.34	281.80	21.08	-14.61	-607.01	4,993.08	5,175.07	5,094.13	80.94	63.938		
17,200.00	7,239.04	5,065.90	4,998.34	284.63	21.08	-14.61	-607.01	4,993.08	5,265.23	5,184.42	80.81	65.157		
17,300.00	7,239.15	5,065.90	4,998.34	287.47	21.08	-14.61	-607.01	4,993.08	5,355.73	5,275.05	80.68	66.380		
17,400.00	7,239.26	5,065.90	4,998.34	290.30	21.08	-14.61	-607.01	4,993.08	5,446.56	5,366.00	80.56	67.607		
17,500.00	7,239.36	5,065.90	4,998.34	293.14	21.08	-14.61	-607.01	4,993.08	5,537.72	5,457.27	80.44	68.839		
17,600.00	7,239.47	5,065.90	4,998.34	295.98	21.08	-14.61	-607.01	4,993.08	5,629.17	5,548.84	80.33	70.075		
17,700.00	7,239.58	5,065.90	4,998.34	298.81	21.08	-14.61	-607.01	4,993.08	5,720.90	5,640.68	80.22	71.313		
17,800.00	7,239.68	5,065.90	4,998.34	301.65	21.08	-14.61	-607.01	4,993.08	5,812.91	5,732.80	80.12	72.555		
17,900.00	7,239.79	5,065.90	4,998.34	304.49	21.08	-14.61	-607.01	4,993.08	5,905.18	5,825.17	80.02	73.800		
18,000.00	7,239.90	5,065.90	4,998.34	307.33	21.08	-14.61	-607.01	4,993.08	5,997.70	5,917.78	79.92	75.047		
18,095.23	7,240.00	5,065.90	4,998.34	310.03	21.08	-14.61	-607.01	4,993.08	6,086.03	6,006.20	79.83	76.236		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.53	-542.53	5,601.88	5,628.31					
100.00	100.00	54.70	54.70	3.28	3.28	95.53	-542.63	5,601.84	5,628.07	5,621.50	6.57	857.045		
200.00	200.00	154.35	154.35	3.34	3.31	95.54	-543.24	5,601.67	5,627.95	5,621.30	6.65	846.609		
212.27	212.27	165.73	165.72	3.35	3.32	-98.28	-543.32	5,601.65	5,627.94	5,621.28	6.66	844.467		
300.00	299.98	262.33	262.33	3.44	3.40	-98.29	-543.99	5,601.50	5,628.12	5,621.28	6.84	822.379		
400.00	399.84	385.95	385.94	3.59	3.58	-98.35	-544.62	5,600.91	5,628.45	5,621.28	7.17	784.901		
500.00	499.45	486.62	486.61	3.79	3.78	-98.42	-544.80	5,600.21	5,629.05	5,621.49	7.56	744.335		
600.00	598.70	1,982.12	1,961.52	4.03	11.72	-101.21	-459.59	5,416.81	5,621.14	5,607.56	13.58	414.021		
700.00	697.47	2,232.18	2,200.86	4.31	14.32	-102.40	-425.61	5,352.92	5,596.89	5,581.67	15.21	367.892		
800.00	795.62	2,307.32	2,272.53	4.64	15.16	-103.13	-414.87	5,333.06	5,572.98	5,557.03	15.95	349.470		
900.00	893.06	2,400.92	2,361.82	5.00	16.21	-103.93	-401.33	5,308.44	5,550.14	5,533.29	16.85	329.442		
1,000.00	989.64	2,522.56	2,477.67	5.40	17.61	-104.87	-383.27	5,276.06	5,528.00	5,510.02	17.98	307.392		
1,100.00	1,085.27	1,100.00	2,715.36	5.83	5.92	-106.48	-341.92	5,205.89	5,506.02	5,496.33	9.69	568.126		
1,200.00	1,179.82	2,835.93	2,773.71	6.29	21.67	-107.23	-331.24	5,187.53	5,483.58	5,462.54	21.03	260.691		
1,235.00	1,212.63	2,846.44	2,783.61	6.46	21.81	-107.43	-329.50	5,184.49	5,476.24	5,454.94	21.30	257.159		
1,300.00	1,273.43	2,866.03	2,802.13	6.79	22.07	-107.54	-326.35	5,178.91	5,463.14	5,441.35	21.80	250.656		
1,400.00	1,366.98	2,900.00	2,834.35	7.30	22.52	-107.71	-321.15	5,169.51	5,444.06	5,421.44	22.62	240.706		
1,500.00	1,460.52	2,980.59	2,911.01	7.84	23.49	-108.13	-309.47	5,147.57	5,425.88	5,402.15	23.74	228.579		
1,600.00	1,554.07	1,600.00	3,031.82	8.38	7.23	-108.78	-291.53	5,112.09	5,407.43	5,392.16	15.26	354.260		
1,700.00	1,647.61	3,146.95	3,069.03	8.93	25.53	-108.98	-286.00	5,101.15	5,389.63	5,363.55	26.09	206.617		
1,800.00	1,741.16	3,200.00	3,119.67	9.49	26.17	-109.26	-278.58	5,087.20	5,373.35	5,346.25	27.09	198.321		
1,900.00	1,834.70	3,224.09	3,142.73	10.06	26.42	-109.38	-275.30	5,081.08	5,358.09	5,330.16	27.92	191.906		
2,000.00	1,928.25	3,300.00	3,215.52	10.63	27.23	-109.76	-265.80	5,061.73	5,343.58	5,314.51	29.07	183.843		
2,100.00	2,021.79	3,363.51	3,276.57	11.21	27.87	-110.08	-258.60	5,045.75	5,329.77	5,299.65	30.12	176.944		
2,200.00	2,115.33	3,421.98	3,332.91	11.79	28.44	-110.36	-252.36	5,031.44	5,316.92	5,285.77	31.15	170.678		
2,300.00	2,208.88	3,489.65	3,398.24	12.37	29.08	-110.69	-245.49	5,015.18	5,304.84	5,272.61	32.23	164.602		
2,400.00	2,302.42	3,550.53	3,457.09	12.96	29.63	-110.98	-239.43	5,000.82	5,293.53	5,260.26	33.27	159.093		
2,500.00	2,395.97	4,030.06	3,915.21	13.55	35.12	-113.46	-179.81	4,873.52	5,281.76	5,244.75	37.01	142.726		
2,600.00	2,489.51	4,100.00	3,980.86	14.14	36.16	-113.85	-168.71	4,852.10	5,265.12	5,226.78	38.35	137.296		
2,700.00	2,583.06	4,139.15	4,017.71	14.74	36.69	-114.06	-162.68	4,840.34	5,249.49	5,210.05	39.44	133.115		
2,800.00	2,676.60	4,200.00	4,075.40	15.34	37.52	-114.39	-154.33	4,822.88	5,235.25	5,194.57	40.69	128.669		
2,900.00	2,770.14	4,200.00	4,075.40	15.93	37.52	-114.39	-154.33	4,822.88	5,222.06	5,180.56	41.50	125.839		
3,000.00	2,863.69	4,259.89	4,132.46	16.53	38.23	-114.71	-146.48	4,806.49	5,210.08	5,167.36	42.71	121.979		
3,100.00	2,957.23	4,428.11	4,292.47	17.13	40.30	-115.63	-122.65	4,760.36	5,198.75	5,154.01	44.74	116.200		
3,200.00	3,050.78	3,200.00	4,553.05	17.74	19.73	-117.23	-77.34	4,675.97	5,185.28	5,152.25	33.03	156.984		
3,300.00	3,144.32	4,745.23	4,589.91	18.34	45.06	-117.46	-71.28	4,663.34	5,170.86	5,121.67	49.19	105.115		
3,400.00	3,237.87	4,800.00	4,641.34	18.94	45.91	-117.78	-62.54	4,646.68	5,158.07	5,107.51	50.56	102.019		
3,500.00	3,331.41	4,800.00	4,641.34	19.55	45.91	-117.78	-62.54	4,646.68	5,146.37	5,094.92	51.45	100.033		
3,600.00	3,424.96	4,855.13	4,693.30	20.15	46.67	-118.10	-53.49	4,630.62	5,136.05	5,083.24	52.81	97.257		
3,666.72	3,487.37	4,900.00	4,735.65	20.56	47.28	-118.36	-45.94	4,617.89	5,129.85	5,076.06	53.79	95.361		
3,700.00	3,518.57	4,900.00	4,735.65	20.76	47.28	-118.31	-45.94	4,617.89	5,126.81	5,072.73	54.09	94.791		
3,800.00	3,613.09	4,962.32	4,794.59	21.34	48.09	-118.49	-35.41	4,600.57	5,117.33	5,061.85	55.48	92.234		
3,900.00	3,708.70	5,000.00	4,830.28	21.90	48.58	-118.51	-29.12	4,590.27	5,107.17	5,050.54	56.63	90.186		
4,000.00	3,805.27	5,054.81	4,882.36	22.44	49.22	-118.60	-20.13	4,575.76	5,096.43	5,038.57	57.85	88.090		
4,100.00	3,902.69	5,100.00	4,925.50	22.95	49.75	-118.61	-12.92	4,564.37	5,085.31	5,026.35	58.96	86.245		
4,200.00	4,000.84	5,177.73	5,000.07	23.43	50.53	-118.71	-1.81	4,545.49	5,073.40	5,013.19	60.21	84.256		
4,300.00	4,099.59	5,200.00	5,021.52	23.89	50.76	-118.57	0.94	4,540.18	5,060.61	4,999.59	61.02	82.936		
4,400.00	4,198.84	5,245.88	5,065.93	24.32	51.12	-118.48	6.13	4,529.89	5,047.30	4,985.43	61.87	81.573		
4,500.00	4,298.45	5,300.00	5,118.73	24.73	51.54	-118.38	11.50	4,519.31	5,034.19	4,971.46	62.73	80.248		
4,600.00	4,398.30	5,300.00	5,118.73	25.11	51.54	-118.13	11.50	4,519.31	5,020.33	4,957.11	63.23	79.403		
4,701.72	4,500.00	5,369.21	5,186.63	25.45	51.94	75.84	17.33	4,507.21	5,005.89	4,941.92	63.97	78.248		
4,800.00	4,598.28	5,400.00	5,216.89	25.74	52.12	75.80	19.61	4,502.04	4,991.92	4,927.44	64.48	77.419		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	5,462.20	5,278.20	26.04	52.41	75.73	23.67	4,492.36	4,978.56	4,913.47	65.09	76.485		
5,000.00	4,798.28	5,500.00	5,315.57	26.34	52.59	75.69	25.81	4,487.11	4,966.50	4,900.90	65.60	75.709		
5,100.00	4,898.28	5,536.19	5,351.42	26.65	52.72	75.65	27.67	4,482.59	4,955.68	4,889.62	66.07	75.009		
5,200.00	4,998.28	5,570.08	5,385.08	26.96	52.84	75.63	29.28	4,478.86	4,946.19	4,879.67	66.52	74.356		
5,300.00	5,098.28	5,600.00	5,414.83	27.27	52.94	75.60	30.60	4,475.98	4,938.03	4,871.08	66.95	73.758		
5,400.00	5,198.28	5,666.78	5,481.30	27.59	53.13	75.55	33.48	4,470.28	4,930.86	4,863.36	67.49	73.056		
5,500.00	5,298.28	5,728.05	5,542.33	27.91	53.29	75.51	36.17	4,465.58	4,924.51	4,856.49	68.02	72.402		
5,600.00	5,398.28	5,800.00	5,614.04	28.23	53.48	75.46	39.24	4,460.67	4,918.92	4,850.34	68.57	71.733		
5,700.00	5,498.28	5,858.17	5,672.07	28.56	53.62	75.43	41.42	4,457.20	4,914.02	4,844.95	69.07	71.149		
5,800.00	5,598.28	5,929.43	5,743.21	28.89	53.78	75.39	43.42	4,453.57	4,909.78	4,840.18	69.60	70.543		
5,900.00	5,698.28	6,007.13	5,820.82	29.22	53.96	75.37	44.71	4,450.23	4,906.04	4,835.89	70.15	69.940		
6,000.00	5,798.28	6,086.14	5,899.78	29.56	54.12	75.35	45.40	4,447.35	4,902.74	4,832.05	70.69	69.356		
6,100.00	5,898.28	6,174.47	5,988.07	29.90	54.31	75.34	45.77	4,444.55	4,899.78	4,828.52	71.26	68.755		
6,200.00	5,998.28	6,270.04	6,083.60	30.24	54.51	75.33	45.72	4,441.81	4,896.99	4,825.12	71.86	68.142		
6,300.00	6,098.28	6,358.17	6,171.69	30.58	54.70	75.33	45.17	4,439.52	4,894.32	4,821.88	72.44	67.566		
6,400.00	6,198.28	6,464.63	6,278.12	30.92	54.92	75.34	44.17	4,437.05	4,891.84	4,818.77	73.08	66.941		
6,500.00	6,298.28	6,588.45	6,401.88	31.27	55.19	75.34	42.63	4,433.73	4,888.93	4,815.15	73.78	66.263		
6,600.00	6,398.28	6,690.60	6,503.98	31.62	55.41	75.35	41.09	4,430.77	4,885.75	4,811.33	74.41	65.657		
6,700.00	6,498.28	6,801.87	6,615.19	31.97	55.65	75.36	39.27	4,427.46	4,882.46	4,807.37	75.08	65.029		
6,794.10	6,592.38	6,918.33	6,731.56	32.31	55.92	75.37	37.53	4,423.52	4,879.02	4,803.27	75.76	64.403		
6,800.00	6,598.28	6,915.21	6,728.45	32.33	55.91	-14.45	37.57	4,423.65	4,878.79	4,803.03	75.76	64.394		
6,850.00	6,648.21	6,951.82	6,765.04	32.51	55.99	-14.55	36.96	4,422.46	4,874.67	4,798.62	76.04	64.104		
6,900.00	6,697.79	6,988.12	6,801.32	32.69	56.07	-14.73	36.31	4,421.40	4,866.90	4,790.59	76.32	63.771		
6,950.00	6,746.73	7,051.27	6,864.43	32.86	56.22	-15.04	35.12	4,419.60	4,855.46	4,778.77	76.69	63.316		
7,000.00	6,794.71	7,000.00	6,974.10	33.03	56.09	-15.52	33.25	4,415.27	4,839.77	4,763.02	76.74	63.064		
7,050.00	6,841.44	7,223.61	7,036.58	33.20	56.63	-16.11	32.32	4,412.29	4,820.28	4,742.71	77.57	62.142		
7,100.00	6,886.64	7,243.98	7,056.93	33.35	56.68	-16.80	32.12	4,411.33	4,797.46	4,719.68	77.78	61.680		
7,150.00	6,930.03	7,263.54	7,076.47	33.50	56.73	-17.65	31.99	4,410.48	4,771.58	4,693.60	77.98	61.189		
7,200.00	6,971.33	7,300.00	7,112.91	33.64	56.81	-18.74	31.89	4,409.12	4,742.84	4,664.60	78.23	60.624		
7,250.00	7,010.30	7,300.00	7,112.91	33.77	56.81	-19.97	31.89	4,409.12	4,711.17	4,632.82	78.35	60.129		
7,300.00	7,046.69	7,324.59	7,137.48	33.89	56.87	-21.57	31.89	4,408.32	4,676.95	4,598.39	78.55	59.540		
7,350.00	7,080.28	7,347.56	7,160.44	34.00	56.93	-23.56	31.90	4,407.63	4,640.24	4,561.50	78.74	58.930		
7,400.00	7,110.86	7,368.45	7,181.32	34.11	56.98	-26.05	31.92	4,407.04	4,601.26	4,522.34	78.92	58.303		
7,450.00	7,138.25	7,387.12	7,199.99	34.21	57.02	-29.20	31.94	4,406.54	4,560.25	4,481.16	79.09	57.660		
7,500.00	7,162.27	7,400.00	7,212.86	34.32	57.05	-33.21	31.96	4,406.21	4,517.45	4,438.21	79.24	57.012		
7,550.00	7,182.77	7,400.00	7,212.86	34.43	57.05	-38.24	31.96	4,406.21	4,473.14	4,393.80	79.34	56.380		
7,600.00	7,199.64	7,400.00	7,212.86	34.57	57.05	-44.83	31.96	4,406.21	4,427.59	4,348.15	79.44	55.733		
7,650.00	7,212.76	7,400.00	7,212.86	34.76	57.05	-53.49	31.96	4,406.21	4,381.05	4,301.50	79.55	55.071		
7,700.00	7,222.06	7,400.00	7,212.86	35.02	57.05	-64.69	31.96	4,406.21	4,333.78	4,254.11	79.67	54.395		
7,750.00	7,227.47	7,400.00	7,212.86	35.37	57.05	-78.37	31.96	4,406.21	4,286.04	4,206.24	79.80	53.709		
7,793.42	7,229.00	7,400.00	7,212.86	35.74	57.05	-91.40	31.96	4,406.21	4,244.43	4,164.51	79.92	53.107		
7,800.00	7,229.01	7,400.00	7,212.86	35.80	57.05	-91.40	31.96	4,406.21	4,238.12	4,158.18	79.94	53.015		
7,900.00	7,229.11	7,400.00	7,212.86	36.91	57.05	-91.40	31.96	4,406.21	4,142.39	4,062.14	80.25	51.616		
8,000.00	7,229.22	7,400.00	7,212.86	38.28	57.05	-91.40	31.96	4,406.21	4,046.87	3,966.26	80.61	50.204		
8,100.00	7,229.33	7,400.00	7,212.86	39.83	57.05	-91.40	31.96	4,406.21	3,951.56	3,870.56	81.01	48.780		
8,200.00	7,229.43	7,400.00	7,212.86	41.53	57.05	-91.40	31.96	4,406.21	3,856.50	3,775.04	81.46	47.344		
8,300.00	7,229.54	7,400.00	7,212.86	43.36	57.05	-91.40	31.96	4,406.21	3,761.69	3,679.73	81.96	45.896		
8,400.00	7,229.65	7,400.00	7,212.86	45.30	57.05	-91.40	31.96	4,406.21	3,667.15	3,584.63	82.53	44.437		
8,500.00	7,229.75	7,400.00	7,212.86	47.33	57.05	-91.40	31.96	4,406.21	3,572.92	3,489.76	83.16	42.966		
8,600.00	7,229.86	7,400.00	7,212.86	49.45	57.05	-91.40	31.96	4,406.21	3,479.00	3,395.14	83.86	41.485		
8,700.00	7,229.97	7,400.00	7,212.86	51.64	57.05	-91.40	31.96	4,406.21	3,385.43	3,300.79	84.65	39.995		
8,800.00	7,230.07	7,400.00	7,212.86	53.89	57.05	-91.40	31.96	4,406.21	3,292.24	3,206.72	85.52	38.497		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Northridge #4AD - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,900.00	7,230.18	7,400.00	7,212.86	56.19	57.05	-91.40	31.96	4,406.21	3,199.47	3,112.98	86.49	36.992				
9,000.00	7,230.29	7,400.00	7,212.86	58.55	57.05	-91.40	31.96	4,406.21	3,107.14	3,019.57	87.57	35.484				
9,100.00	7,230.39	7,400.00	7,212.86	60.94	57.05	-91.40	31.96	4,406.21	3,015.30	2,926.54	88.76	33.973				
9,200.00	7,230.50	7,400.00	7,212.86	63.38	57.05	-91.40	31.96	4,406.21	2,924.00	2,833.92	90.07	32.463				
9,300.00	7,230.61	7,400.00	7,212.86	65.85	57.05	-91.40	31.96	4,406.21	2,833.28	2,741.75	91.53	30.956				
9,400.00	7,230.72	7,400.00	7,212.86	68.35	57.05	-91.40	31.96	4,406.21	2,743.21	2,650.08	93.13	29.456				
9,500.00	7,230.82	7,400.00	7,212.86	70.87	57.05	-91.40	31.96	4,406.21	2,653.85	2,558.96	94.89	27.967				
9,600.00	7,230.93	7,400.00	7,212.86	73.42	57.05	-91.40	31.96	4,406.21	2,565.27	2,468.44	96.83	26.493				
9,700.00	7,231.04	7,400.00	7,212.86	75.99	57.05	-91.40	31.96	4,406.21	2,477.57	2,378.61	98.96	25.037				
9,800.00	7,231.14	7,400.00	7,212.86	78.59	57.05	-91.40	31.96	4,406.21	2,390.83	2,289.54	101.29	23.605				
9,900.00	7,231.25	7,400.00	7,212.86	81.19	57.05	-91.40	31.96	4,406.21	2,305.16	2,201.33	103.84	22.200				
10,000.00	7,231.36	7,400.00	7,212.86	83.82	57.05	-91.40	31.96	4,406.21	2,220.70	2,114.08	106.62	20.828				
10,100.00	7,231.46	7,400.00	7,212.86	86.46	57.05	-91.40	31.96	4,406.21	2,137.57	2,027.92	109.65	19.494				
10,200.00	7,231.57	7,400.00	7,212.86	89.11	57.05	-91.40	31.96	4,406.21	2,055.95	1,943.00	112.95	18.202				
10,300.00	7,231.68	7,400.00	7,212.86	91.77	57.05	-91.40	31.96	4,406.21	1,976.02	1,859.49	116.52	16.958				
10,400.00	7,231.78	7,400.00	7,212.86	94.45	57.05	-91.40	31.96	4,406.21	1,897.99	1,777.60	120.39	15.766				
10,500.00	7,231.89	7,400.60	7,213.46	97.14	57.05	-91.42	31.96	4,406.20	1,822.11	1,697.56	124.55	14.629				
10,600.00	7,232.00	7,398.51	7,211.38	99.83	57.05	-91.33	31.96	4,406.25	1,748.66	1,619.66	129.00	13.555				
10,700.00	7,232.10	7,396.40	7,209.26	102.53	57.04	-91.23	31.96	4,406.30	1,677.95	1,544.21	133.74	12.546				
10,800.00	7,232.21	7,394.25	7,207.11	105.25	57.04	-91.12	31.95	4,406.36	1,610.34	1,471.58	138.76	11.606				
10,900.00	7,232.32	7,392.06	7,204.93	107.96	57.03	-91.02	31.95	4,406.41	1,546.25	1,402.23	144.02	10.737				
11,000.00	7,232.42	7,389.84	7,202.71	110.69	57.03	-90.92	31.95	4,406.47	1,486.12	1,336.65	149.47	9.943				
11,100.00	7,232.53	7,387.59	7,200.45	113.42	57.02	-90.81	31.94	4,406.53	1,430.46	1,275.42	155.04	9.226				
11,200.00	7,232.64	7,385.30	7,198.16	116.16	57.02	-90.70	31.94	4,406.59	1,379.81	1,219.18	160.63	8.590				
11,300.00	7,232.74	7,382.97	7,195.84	118.90	57.01	-90.59	31.94	4,406.65	1,334.73	1,168.62	166.11	8.035				
11,400.00	7,232.85	7,380.60	7,193.47	121.65	57.01	-90.48	31.94	4,406.71	1,295.82	1,124.49	171.33	7.563				
11,500.00	7,232.96	7,378.19	7,191.06	124.41	57.00	-90.37	31.93	4,406.77	1,263.63	1,087.52	176.11	7.175				
11,600.00	7,233.06	7,375.75	7,188.62	127.16	56.99	-90.25	31.93	4,406.84	1,238.69	1,058.43	180.27	6.872				
11,700.00	7,233.17	7,373.26	7,186.13	129.92	56.99	-90.13	31.93	4,406.91	1,221.46	1,037.83	183.63	6.652				
11,800.00	7,233.28	7,370.73	7,183.60	132.69	56.98	-90.01	31.92	4,406.97	1,212.24	1,026.18	186.06	6.515				
11,862.18	7,233.34	7,369.13	7,182.00	134.41	56.98	-89.94	31.92	4,407.02	1,210.65	1,023.59	187.06	6.472 CC, ES				
11,900.00	7,233.38	7,368.15	7,181.03	135.46	56.98	-89.89	31.92	4,407.04	1,211.24	1,023.77	187.47	6.461 SF				
12,000.00	7,233.49	7,365.53	7,178.41	138.23	56.97	-89.77	31.92	4,407.12	1,218.46	1,030.63	187.84	6.487				
12,100.00	7,233.60	7,362.87	7,175.74	141.01	56.96	-89.64	31.92	4,407.19	1,233.77	1,046.58	187.20	6.591				
12,200.00	7,233.71	7,360.16	7,173.03	143.79	56.96	-89.51	31.91	4,407.27	1,256.87	1,071.21	185.65	6.770				
12,300.00	7,233.81	7,357.39	7,170.27	146.57	56.95	-89.38	31.91	4,407.35	1,287.33	1,103.98	183.35	7.021				
12,400.00	7,233.92	7,354.58	7,167.46	149.35	56.94	-89.25	31.91	4,407.43	1,324.66	1,144.21	180.45	7.341				
12,500.00	7,234.03	7,351.72	7,164.60	152.14	56.94	-89.11	31.91	4,407.51	1,368.28	1,191.15	177.13	7.725				
12,600.00	7,234.13	7,348.81	7,161.69	154.93	56.93	-88.98	31.91	4,407.59	1,417.62	1,244.09	173.53	8.169				
12,700.00	7,234.24	7,345.84	7,158.73	157.72	56.92	-88.84	31.90	4,407.68	1,472.11	1,302.30	169.80	8.669				
12,800.00	7,234.35	7,342.82	7,155.71	160.52	56.92	-88.69	31.90	4,407.77	1,531.19	1,365.14	166.04	9.222				
12,900.00	7,234.45	7,339.74	7,152.63	163.31	56.91	-88.55	31.90	4,407.86	1,594.35	1,432.01	162.34	9.821				
13,000.00	7,234.56	7,336.60	7,149.49	166.11	56.90	-88.40	31.90	4,407.95	1,661.12	1,502.38	158.75	10.464				
13,100.00	7,234.67	7,333.41	7,146.30	168.91	56.89	-88.25	31.90	4,408.05	1,731.10	1,575.79	155.31	11.146				
13,200.00	7,234.77	7,330.15	7,143.04	171.71	56.89	-88.09	31.90	4,408.15	1,803.90	1,651.86	152.04	11.864				
13,300.00	7,234.88	7,326.82	7,139.71	174.52	56.88	-87.94	31.89	4,408.25	1,879.20	1,730.24	148.96	12.615				
13,400.00	7,234.99	7,323.43	7,136.33	177.32	56.87	-87.78	31.89	4,408.36	1,956.71	1,810.63	146.08	13.395				
13,500.00	7,235.09	7,319.98	7,132.87	180.13	56.86	-87.61	31.89	4,408.47	2,036.17	1,892.80	143.37	14.202				
13,600.00	7,235.20	7,317.83	7,130.73	182.94	56.86	-87.51	31.91	4,408.56	2,117.37	1,976.51	140.86	15.032				
13,700.00	7,235.31	7,314.17	7,127.07	185.74	56.85	-87.34	31.90	4,408.67	2,200.12	2,061.61	138.51	15.885				
13,800.00	7,235.41	7,310.30	7,123.20	188.56	56.84	-87.16	31.90	4,408.79	2,284.24	2,147.93	136.31	16.757				
13,900.00	7,235.52	7,306.21	7,119.11	191.37	56.83	-86.96	31.89	4,408.92	2,369.59	2,235.32	134.27	17.648				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	7,301.87	7,114.77	194.18	56.82	-86.76	31.89	4,409.06	2,456.04	2,323.67	132.37	18.555		
14,100.00	7,235.73	7,297.26	7,110.17	197.00	56.81	-86.54	31.89	4,409.21	2,543.48	2,412.89	130.59	19.476		
14,200.00	7,235.84	7,292.37	7,105.28	199.81	56.80	-86.31	31.90	4,409.38	2,631.81	2,502.87	128.94	20.411		
14,300.00	7,235.95	7,287.15	7,100.06	202.63	56.78	-86.06	31.91	4,409.57	2,720.94	2,593.55	127.39	21.359		
14,400.00	7,236.05	7,281.57	7,094.49	205.44	56.77	-85.80	31.92	4,409.77	2,810.79	2,684.85	125.94	22.318		
14,500.00	7,236.16	7,275.61	7,088.53	208.26	56.75	-85.52	31.94	4,410.00	2,901.31	2,776.72	124.59	23.287		
14,600.00	7,236.27	7,269.21	7,082.14	211.08	56.74	-85.22	31.96	4,410.25	2,992.41	2,869.10	123.32	24.266		
14,700.00	7,236.37	7,262.33	7,075.26	213.90	56.72	-84.90	32.00	4,410.53	3,084.06	2,961.94	122.13	25.253		
14,800.00	7,236.48	7,254.91	7,067.85	216.72	56.70	-84.55	32.04	4,410.84	3,176.21	3,055.20	121.01	26.248		
14,900.00	7,236.59	7,246.88	7,059.83	219.55	56.68	-84.18	32.10	4,411.20	3,268.81	3,148.86	119.95	27.251		
15,000.00	7,236.69	7,238.17	7,051.13	222.37	56.66	-83.77	32.17	4,411.59	3,361.82	3,242.86	118.96	28.261		
15,100.00	7,236.80	7,228.69	7,041.66	225.19	56.64	-83.33	32.26	4,412.04	3,455.21	3,337.19	118.02	29.276		
15,200.00	7,236.91	7,218.32	7,031.30	228.02	56.61	-82.84	32.38	4,412.56	3,548.94	3,431.81	117.14	30.298		
15,300.00	7,237.02	7,206.95	7,019.94	230.84	56.59	-82.32	32.52	4,413.15	3,643.00	3,526.70	116.30	31.325		
15,400.00	7,237.12	7,200.00	7,013.01	233.67	56.57	-82.00	32.62	4,413.53	3,737.34	3,621.83	115.52	32.353		
15,500.00	7,237.23	7,200.00	7,013.01	236.50	56.57	-82.00	32.62	4,413.53	3,831.98	3,717.18	114.79	33.382		
15,600.00	7,237.34	7,200.00	7,013.01	239.32	56.57	-82.00	32.62	4,413.53	3,926.87	3,812.77	114.11	34.414		
15,700.00	7,237.44	7,200.00	7,013.01	242.15	56.57	-82.00	32.62	4,413.53	4,022.02	3,908.56	113.46	35.449		
15,800.00	7,237.55	7,200.00	7,013.01	244.98	56.57	-82.00	32.62	4,413.53	4,117.39	4,004.55	112.85	36.486		
15,900.00	7,237.66	7,200.00	7,013.01	247.81	56.57	-82.00	32.62	4,413.53	4,212.98	4,100.72	112.27	37.527		
16,000.00	7,237.76	7,181.48	6,994.52	250.64	56.53	-81.14	32.89	4,414.51	4,308.70	4,197.02	111.68	38.581		
16,100.00	7,237.87	7,178.83	6,991.87	253.47	56.52	-81.02	32.93	4,414.64	4,404.65	4,293.50	111.15	39.628		
16,200.00	7,237.98	7,176.23	6,989.28	256.30	56.51	-80.90	32.97	4,414.77	4,500.78	4,390.13	110.65	40.676		
16,300.00	7,238.08	7,173.69	6,986.74	259.13	56.51	-80.78	33.01	4,414.90	4,597.07	4,486.90	110.17	41.726		
16,400.00	7,238.19	7,171.20	6,984.25	261.96	56.50	-80.67	33.05	4,415.02	4,693.52	4,583.80	109.72	42.778		
16,500.00	7,238.30	7,168.76	6,981.81	264.79	56.49	-80.56	33.08	4,415.14	4,790.10	4,680.82	109.29	43.830		
16,600.00	7,238.40	7,166.37	6,979.42	267.63	56.49	-80.45	33.12	4,415.25	4,886.83	4,777.95	108.88	44.883		
16,700.00	7,238.51	7,164.02	6,977.08	270.46	56.48	-80.34	33.16	4,415.37	4,983.67	4,875.19	108.49	45.938		
16,800.00	7,238.62	7,161.72	6,974.78	273.29	56.48	-80.23	33.19	4,415.47	5,080.64	4,972.53	108.12	46.992		
16,900.00	7,238.72	7,159.47	6,972.53	276.13	56.47	-80.13	33.23	4,415.58	5,177.73	5,069.96	107.76	48.048		
17,000.00	7,238.83	7,157.26	6,970.32	278.96	56.47	-80.03	33.26	4,415.68	5,274.92	5,167.49	107.43	49.103		
17,100.00	7,238.94	7,155.09	6,968.16	281.80	56.46	-79.93	33.30	4,415.78	5,372.21	5,265.10	107.10	50.159		
17,200.00	7,239.04	7,152.96	6,966.03	284.63	56.46	-79.83	33.33	4,415.88	5,469.59	5,362.80	106.80	51.215		
17,300.00	7,239.15	7,150.87	6,963.95	287.47	56.45	-79.74	33.37	4,415.97	5,567.07	5,460.57	106.50	52.271		
17,400.00	7,239.26	7,148.82	6,961.90	290.30	56.45	-79.65	33.40	4,416.07	5,664.63	5,558.41	106.23	53.326		
17,500.00	7,239.36	7,146.81	6,959.89	293.14	56.44	-79.55	33.43	4,416.15	5,762.28	5,656.32	105.96	54.382		
17,600.00	7,239.47	7,144.84	6,957.92	295.98	56.44	-79.46	33.46	4,416.24	5,860.00	5,754.30	105.71	55.437		
17,700.00	7,239.58	7,142.90	6,955.98	298.81	56.43	-79.38	33.50	4,416.33	5,957.80	5,852.34	105.46	56.491		
17,800.00	7,239.68	7,140.99	6,954.08	301.65	56.43	-79.29	33.53	4,416.41	6,055.67	5,950.44	105.23	57.545		
17,900.00	7,239.79	7,139.12	6,952.21	304.49	56.42	-79.20	33.56	4,416.49	6,153.61	6,048.59	105.01	58.598		
18,000.00	7,239.90	7,137.29	6,950.38	307.33	56.42	-79.12	33.59	4,416.57	6,251.61	6,146.80	104.80	59.651		
18,095.23	7,240.00	7,135.57	6,948.66	310.03	56.41	-79.04	33.62	4,416.64	6,344.99	6,240.38	104.61	60.653		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	1,294.12	1,271.72	3.28	10.18	96.91	-655.62	5,410.35	5,607.91					
100.00	100.00	1,445.84	1,416.01	3.28	11.99	97.22	-680.46	5,370.60	5,583.22	5,570.50	12.73	438.721		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	97.34	-689.93	5,356.53	5,559.15	5,545.95	13.19	421.313		
300.00	299.98	1,556.70	1,521.36	3.44	13.31	-96.84	-700.08	5,342.18	5,536.02	5,522.28	13.74	402.997		
400.00	399.84	1,624.29	1,585.80	3.59	14.08	-97.18	-711.89	5,325.55	5,513.98	5,499.57	14.41	382.541		
500.00	499.45	1,722.72	1,679.70	3.79	15.17	-97.49	-729.01	5,301.52	5,492.62	5,477.23	15.39	356.967		
600.00	598.70	1,940.29	1,886.97	4.03	17.67	-97.77	-764.76	5,245.94	5,470.38	5,453.00	17.37	314.847		
700.00	697.47	2,000.00	1,943.92	4.31	18.37	-98.20	-773.79	5,230.41	5,448.12	5,430.04	18.09	301.216		
800.00	795.62	2,086.32	2,026.31	4.64	19.35	-98.64	-787.07	5,208.32	5,426.81	5,407.77	19.05	284.946		
900.00	893.06	2,159.82	2,096.44	5.00	20.18	-99.09	-798.71	5,189.65	5,406.27	5,386.32	19.94	271.088		
1,000.00	989.64	2,225.51	2,159.16	5.40	20.90	-99.53	-809.31	5,173.29	5,386.77	5,365.96	20.82	258.785		
1,100.00	1,085.27	2,285.04	2,216.02	5.83	21.55	-99.96	-819.37	5,158.81	5,368.53	5,346.85	21.68	247.680		
1,200.00	1,179.82	2,457.62	2,381.24	6.29	23.38	-100.60	-846.07	5,116.77	5,350.86	5,327.48	23.38	228.901		
1,235.00	1,212.63	1,235.00	2,409.45	6.46	10.69	-100.79	-849.89	5,109.31	5,344.39	5,329.35	15.03	355.540		
1,300.00	1,273.43	2,541.69	2,461.82	6.79	24.26	-100.90	-857.28	5,095.60	5,332.64	5,308.23	24.41	218.462		
1,400.00	1,366.98	2,600.00	2,517.68	7.30	24.88	-101.02	-866.04	5,081.33	5,315.29	5,290.00	25.29	210.156		
1,500.00	1,460.52	2,936.66	2,838.22	7.84	28.92	-101.71	-915.09	4,990.98	5,294.58	5,266.27	28.31	187.045		
1,600.00	1,554.07	3,113.77	3,005.39	8.38	31.36	-102.06	-941.64	4,938.86	5,272.42	5,242.19	30.23	174.395		
1,700.00	1,647.61	3,200.00	3,086.62	8.93	32.61	-102.24	-954.01	4,912.72	5,249.48	5,218.04	31.44	166.989		
1,800.00	1,741.16	3,266.77	3,149.71	9.49	33.52	-102.39	-962.95	4,892.75	5,227.02	5,194.57	32.45	161.080		
1,900.00	1,834.70	1,900.00	3,247.26	10.06	14.99	-102.62	-977.06	4,862.55	5,205.15	5,183.24	21.90	237.624		
2,000.00	1,928.25	3,450.07	3,322.92	10.63	36.04	-102.79	-988.93	4,838.76	5,183.09	5,148.19	34.91	148.475		
2,100.00	2,021.79	3,500.00	3,370.18	11.21	36.73	-102.89	-996.29	4,824.43	5,161.97	5,126.13	35.84	144.034		
2,200.00	2,115.33	4,128.86	3,958.56	11.79	47.00	-104.39	-1,075.50	4,619.74	5,140.26	5,099.20	41.06	125.189		
2,300.00	2,208.88	4,200.00	4,023.33	12.37	48.59	-104.53	-1,087.04	4,592.67	5,110.04	5,067.71	42.34	120.700		
2,400.00	2,302.42	4,233.65	4,054.09	12.96	49.26	-104.60	-1,092.35	4,580.12	5,080.66	5,037.45	43.21	117.590		
2,500.00	2,395.97	4,266.20	4,084.05	13.55	49.92	-104.67	-1,097.30	4,568.37	5,052.48	5,008.41	44.06	114.660		
2,600.00	2,489.51	4,300.00	4,115.33	14.14	50.59	-104.75	-1,102.23	4,556.58	5,025.52	4,980.58	44.93	111.852		
2,700.00	2,583.06	4,432.13	4,237.85	14.74	53.03	-105.06	-1,120.65	4,510.67	4,998.77	4,952.22	46.55	107.387		
2,800.00	2,676.60	4,500.00	4,300.54	15.34	54.32	-105.21	-1,131.01	4,486.82	4,971.83	4,924.15	47.68	104.271		
2,900.00	2,770.14	4,558.10	4,354.21	15.93	55.40	-105.33	-1,140.63	4,466.74	4,945.60	4,896.83	48.76	101.420		
3,000.00	2,863.69	4,600.00	4,393.03	16.53	56.18	-105.41	-1,147.85	4,452.72	4,920.45	4,870.75	49.70	99.004		
3,100.00	2,957.23	4,651.39	4,440.76	17.13	57.05	-105.51	-1,156.97	4,436.00	4,896.31	4,845.60	50.71	96.548		
3,200.00	3,050.78	4,700.00	4,486.01	17.74	57.88	-105.61	-1,165.84	4,420.64	4,873.13	4,821.43	51.70	94.258		
3,300.00	3,144.32	4,741.10	4,524.44	18.34	58.49	-105.69	-1,173.19	4,408.05	4,851.01	4,798.44	52.58	92.264		
3,400.00	3,237.87	4,800.00	4,579.92	18.94	59.36	-105.82	-1,182.91	4,390.82	4,830.14	4,776.56	53.59	90.134		
3,500.00	3,331.41	4,826.25	4,604.79	19.55	59.69	-105.88	-1,186.90	4,383.43	4,810.26	4,755.98	54.29	88.607		
3,600.00	3,424.96	4,874.46	4,650.66	20.15	60.28	-106.00	-1,193.59	4,370.20	4,791.52	4,736.40	55.12	86.934		
3,666.72	3,487.37	4,900.00	4,675.06	20.56	60.60	-106.07	-1,196.80	4,363.38	4,779.61	4,723.99	55.62	85.932		
3,700.00	3,518.57	4,900.00	4,675.06	20.76	60.60	-105.96	-1,196.80	4,363.38	4,773.88	4,718.09	55.79	85.570		
3,800.00	3,613.09	4,943.31	4,716.65	21.34	61.01	-105.73	-1,201.76	4,352.37	4,756.76	4,700.26	56.50	84.187		
3,900.00	3,708.70	5,000.00	4,771.52	21.90	61.55	-105.54	-1,207.36	4,339.26	4,740.47	4,683.20	57.27	82.773		
4,000.00	3,805.27	5,009.22	4,780.48	22.44	61.62	-105.24	-1,208.19	4,337.25	4,724.19	4,666.40	57.79	81.749		
4,100.00	3,902.69	5,103.87	4,872.47	22.95	62.36	-105.07	-1,216.65	4,316.65	4,707.91	4,649.24	58.67	80.249		
4,200.00	4,000.84	5,142.76	4,910.35	23.43	62.63	-104.79	-1,219.97	4,308.45	4,691.44	4,632.15	59.29	79.132		
4,300.00	4,099.59	5,200.00	4,966.29	23.89	63.03	-104.53	-1,224.41	4,297.19	4,675.36	4,615.38	59.97	77.958		
4,400.00	4,198.84	5,200.00	4,966.29	24.32	63.03	-104.22	-1,224.41	4,297.19	4,659.66	4,599.25	60.41	77.129		
4,500.00	4,298.45	5,255.15	5,020.43	24.73	63.32	-103.94	-1,228.20	4,287.40	4,644.28	4,583.23	61.04	76.080		
4,600.00	4,398.30	5,300.00	5,064.64	25.11	63.56	-103.64	-1,230.92	4,280.34	4,629.60	4,567.97	61.63	75.119		
4,701.72	4,500.00	5,326.99	5,091.30	25.45	63.66	90.48	-1,232.40	4,276.46	4,615.17	4,553.06	62.11	74.310		
4,800.00	4,598.28	5,364.40	5,128.33	25.74	63.80	90.51	-1,234.30	4,271.49	4,602.14	4,539.57	62.57	73.549		
4,900.00	4,698.28	5,400.00	5,163.64	26.04	63.93	90.53	-1,235.92	4,267.22	4,590.20	4,527.17	63.03	72.825		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	5,450.01	5,213.32	26.34	64.08	90.55	-1,237.93	4,261.82	4,579.47	4,515.96	63.52	72.098		
5,100.00	4,898.28	5,500.00	5,263.05	26.65	64.22	90.58	-1,239.63	4,257.03	4,569.89	4,505.89	64.00	71.406		
5,200.00	4,998.28	5,549.14	5,311.99	26.96	64.33	90.60	-1,241.08	4,252.86	4,561.40	4,496.94	64.46	70.761		
5,300.00	5,098.28	5,600.00	5,362.69	27.27	64.45	90.61	-1,242.44	4,249.05	4,553.95	4,489.02	64.93	70.139		
5,400.00	5,198.28	5,655.04	5,417.60	27.59	64.56	90.63	-1,243.79	4,245.48	4,547.51	4,482.11	65.40	69.537		
5,500.00	5,298.28	5,700.00	5,462.47	27.91	64.65	90.64	-1,244.81	4,243.00	4,542.11	4,476.29	65.83	69.002		
5,600.00	5,398.28	5,751.38	5,513.79	28.23	64.74	90.66	-1,245.76	4,240.76	4,537.84	4,471.58	66.27	68.480		
5,700.00	5,498.28	5,800.00	5,562.39	28.56	64.83	90.66	-1,246.33	4,239.30	4,534.81	4,468.13	66.69	68.001		
5,800.00	5,598.28	5,869.14	5,631.51	28.89	64.94	90.67	-1,246.80	4,237.86	4,532.71	4,465.53	67.18	67.475		
5,900.00	5,698.28	5,942.92	5,705.29	29.22	65.06	90.67	-1,247.13	4,236.71	4,531.15	4,463.47	67.68	66.949		
6,000.00	5,798.28	6,019.73	5,782.09	29.56	65.18	90.68	-1,247.42	4,235.98	4,530.19	4,461.99	68.20	66.428		
6,100.00	5,898.28	6,113.23	5,875.58	29.90	65.34	90.68	-1,247.75	4,235.33	4,529.50	4,460.72	68.78	65.854		
6,200.00	5,998.28	6,200.18	5,962.53	30.24	65.48	90.69	-1,248.07	4,234.93	4,529.04	4,459.70	69.34	65.314		
6,300.00	6,098.28	6,287.85	6,050.20	30.58	65.63	90.69	-1,248.45	4,234.77	4,528.87	4,458.96	69.91	64.782		
6,400.00	6,198.28	6,390.26	6,152.62	30.92	65.80	90.70	-1,248.92	4,234.71	4,528.82	4,458.28	70.54	64.201		
6,477.02	6,275.30	6,462.94	6,225.30	31.19	65.92	90.70	-1,249.20	4,234.67	4,528.77	4,457.77	71.01	63.781		
6,500.00	6,298.28	6,484.30	6,246.66	31.27	65.96	90.70	-1,249.26	4,234.67	4,528.78	4,457.64	71.14	63.658		
6,600.00	6,398.28	6,568.33	6,330.68	31.62	66.10	90.70	-1,249.43	4,234.83	4,528.97	4,457.27	71.70	63.163		
6,700.00	6,498.28	6,663.56	6,425.91	31.97	66.27	90.71	-1,249.59	4,235.30	4,529.47	4,457.16	72.31	62.638		
6,794.10	6,592.38	6,764.02	6,526.36	32.31	66.45	90.71	-1,249.75	4,235.74	4,529.88	4,456.95	72.94	62.108		
6,800.00	6,598.28	6,770.43	6,532.78	32.33	66.46	0.89	-1,249.75	4,235.76	4,529.87	4,456.90	72.98	62.074		
6,850.00	6,648.21	6,818.45	6,580.80	32.51	66.54	0.89	-1,249.74	4,235.92	4,527.61	4,454.32	73.29	61.778		
6,900.00	6,697.79	6,858.70	6,621.04	32.69	66.62	0.91	-1,249.82	4,236.11	4,521.52	4,447.95	73.57	61.461		
6,950.00	6,746.73	6,898.46	6,660.80	32.86	66.69	0.92	-1,250.01	4,236.38	4,511.65	4,437.81	73.84	61.100		
7,000.00	6,794.71	6,900.00	6,662.35	33.03	66.69	0.94	-1,250.02	4,236.40	4,498.27	4,424.33	73.94	60.836		
7,050.00	6,841.44	6,900.00	6,662.35	33.20	66.69	0.97	-1,250.02	4,236.40	4,481.64	4,407.62	74.02	60.545		
7,100.00	6,886.64	6,900.00	6,662.35	33.35	66.69	1.00	-1,250.02	4,236.40	4,461.84	4,387.75	74.09	60.223		
7,150.00	6,930.03	6,900.00	6,662.35	33.50	66.69	1.05	-1,250.02	4,236.40	4,438.95	4,364.81	74.14	59.871		
7,200.00	6,971.33	6,900.00	6,662.35	33.64	66.69	1.10	-1,250.02	4,236.40	4,413.06	4,338.88	74.18	59.489		
7,250.00	7,010.30	6,900.00	6,662.35	33.77	66.69	1.16	-1,250.02	4,236.40	4,384.29	4,310.08	74.21	59.078		
7,300.00	7,046.69	6,900.00	6,662.35	33.89	66.69	1.24	-1,250.02	4,236.40	4,352.75	4,278.52	74.23	58.639		
7,350.00	7,080.28	6,900.00	6,662.35	34.00	66.69	1.33	-1,250.02	4,236.40	4,318.58	4,244.34	74.24	58.172		
7,400.00	7,110.86	6,900.00	6,662.35	34.11	66.69	1.45	-1,250.02	4,236.40	4,281.92	4,207.69	74.24	57.679		
7,450.00	7,138.25	6,900.00	6,662.35	34.21	66.69	1.60	-1,250.02	4,236.40	4,242.95	4,168.73	74.23	57.161		
7,500.00	7,162.27	6,900.00	6,662.35	34.32	66.69	1.79	-1,250.02	4,236.40	4,201.85	4,127.64	74.21	56.619		
7,550.00	7,182.77	6,900.00	6,662.35	34.43	66.69	2.04	-1,250.02	4,236.40	4,158.80	4,084.61	74.19	56.053		
7,600.00	7,199.64	6,900.00	6,662.35	34.57	66.69	2.40	-1,250.02	4,236.40	4,114.02	4,039.85	74.17	55.465		
7,650.00	7,212.76	6,900.00	6,662.35	34.76	66.69	2.91	-1,250.02	4,236.40	4,067.74	3,993.58	74.15	54.858		
7,700.00	7,222.06	6,900.00	6,662.35	35.02	66.69	3.71	-1,250.02	4,236.40	4,020.17	3,946.04	74.13	54.231		
7,750.00	7,227.47	6,900.00	6,662.35	35.37	66.69	5.14	-1,250.02	4,236.40	3,971.59	3,897.48	74.11	53.588		
7,793.42	7,229.00	6,900.00	6,662.35	35.74	66.69	7.73	-1,250.02	4,236.40	3,928.78	3,854.68	74.10	53.017		
7,800.00	7,229.01	6,900.00	6,662.35	35.80	66.69	7.73	-1,250.02	4,236.40	3,922.27	3,848.16	74.10	52.929		
7,900.00	7,229.11	6,900.00	6,662.35	36.91	66.69	7.73	-1,250.02	4,236.40	3,823.19	3,749.11	74.08	51.608		
8,000.00	7,229.22	6,900.00	6,662.35	38.28	66.69	7.73	-1,250.02	4,236.40	3,724.17	3,650.11	74.06	50.286		
8,100.00	7,229.33	6,900.00	6,662.35	39.83	66.69	7.73	-1,250.02	4,236.40	3,625.19	3,551.16	74.04	48.965		
8,200.00	7,229.43	6,900.00	6,662.35	41.53	66.69	7.73	-1,250.02	4,236.40	3,526.28	3,452.27	74.01	47.644		
8,300.00	7,229.54	6,900.00	6,662.35	43.36	66.69	7.73	-1,250.02	4,236.40	3,427.43	3,353.44	73.99	46.324		
8,400.00	7,229.65	6,900.00	6,662.35	45.30	66.69	7.73	-1,250.02	4,236.40	3,328.65	3,254.69	73.96	45.004		
8,500.00	7,229.75	6,900.00	6,662.35	47.33	66.69	7.73	-1,250.02	4,236.40	3,229.94	3,156.00	73.94	43.685		
8,600.00	7,229.86	6,900.00	6,662.35	49.45	66.69	7.73	-1,250.02	4,236.40	3,131.32	3,057.41	73.91	42.367		
8,700.00	7,229.97	6,900.00	6,662.35	51.64	66.69	7.73	-1,250.02	4,236.40	3,032.78	2,958.90	73.88	41.050		
8,800.00	7,230.07	6,900.00	6,662.35	53.89	66.69	7.73	-1,250.02	4,236.40	2,934.35	2,860.50	73.85	39.734		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	6,900.00	6,662.35	56.19	66.69	7.73	-1,250.02	4,236.40	2,836.02	2,762.20	73.82	38.419		
9,000.00	7,230.29	6,900.00	6,662.35	58.55	66.69	7.73	-1,250.02	4,236.40	2,737.81	2,664.03	73.78	37.106		
9,100.00	7,230.39	6,900.00	6,662.35	60.94	66.69	7.73	-1,250.02	4,236.40	2,639.74	2,566.00	73.75	35.795		
9,200.00	7,230.50	6,900.00	6,662.35	63.38	66.69	7.73	-1,250.02	4,236.40	2,541.82	2,468.12	73.71	34.486		
9,300.00	7,230.61	6,900.00	6,662.35	65.85	66.69	7.73	-1,250.02	4,236.40	2,444.07	2,370.41	73.66	33.179		
9,400.00	7,230.72	6,900.00	6,662.35	68.35	66.69	7.73	-1,250.02	4,236.40	2,346.51	2,272.90	73.62	31.875		
9,500.00	7,230.82	6,900.00	6,662.35	70.87	66.69	7.73	-1,250.02	4,236.40	2,249.16	2,175.60	73.57	30.574		
9,600.00	7,230.93	6,900.00	6,662.35	73.42	66.69	7.73	-1,250.02	4,236.40	2,152.06	2,078.55	73.51	29.276		
9,700.00	7,231.04	6,900.00	6,662.35	75.99	66.69	7.73	-1,250.02	4,236.40	2,055.23	1,981.79	73.45	27.982		
9,800.00	7,231.14	6,900.00	6,662.35	78.59	66.69	7.73	-1,250.02	4,236.40	1,958.73	1,885.35	73.38	26.693		
9,900.00	7,231.25	6,900.00	6,662.35	81.19	66.69	7.73	-1,250.02	4,236.40	1,862.59	1,789.28	73.30	25.409		
10,000.00	7,231.36	6,900.00	6,662.35	83.82	66.69	7.73	-1,250.02	4,236.40	1,766.88	1,693.66	73.22	24.131		
10,100.00	7,231.46	6,900.00	6,662.35	86.46	66.69	7.73	-1,250.02	4,236.40	1,671.67	1,598.54	73.13	22.860		
10,200.00	7,231.57	6,900.00	6,662.35	89.11	66.69	7.73	-1,250.02	4,236.40	1,577.05	1,504.03	73.02	21.598		
10,300.00	7,231.68	6,900.00	6,662.35	91.77	66.69	7.73	-1,250.02	4,236.40	1,483.14	1,410.24	72.90	20.345		
10,400.00	7,231.78	6,900.00	6,662.35	94.45	66.69	7.73	-1,250.02	4,236.40	1,390.08	1,317.32	72.76	19.104		
10,500.00	7,231.89	6,900.00	6,662.35	97.14	66.69	7.73	-1,250.02	4,236.40	1,298.06	1,225.45	72.61	17.878		
10,600.00	7,232.00	6,900.00	6,662.35	99.83	66.69	7.73	-1,250.02	4,236.40	1,207.30	1,134.88	72.43	16.669		
10,700.00	7,232.10	6,900.00	6,662.35	102.53	66.69	7.73	-1,250.02	4,236.40	1,118.12	1,045.91	72.21	15.483		
10,800.00	7,232.21	6,900.00	6,662.35	105.25	66.69	7.73	-1,250.02	4,236.40	1,030.93	958.97	71.96	14.326		
10,900.00	7,232.32	6,900.00	6,662.35	107.96	66.69	7.73	-1,250.02	4,236.40	946.28	874.63	71.65	13.207		
11,000.00	7,232.42	6,900.00	6,662.35	110.69	66.69	7.73	-1,250.02	4,236.40	864.91	793.66	71.25	12.139		
11,100.00	7,232.53	6,900.00	6,662.35	113.42	66.69	7.73	-1,250.02	4,236.40	787.84	717.11	70.73	11.139		
11,200.00	7,232.64	6,900.00	6,662.35	116.16	66.69	7.73	-1,250.02	4,236.40	716.46	646.46	70.00	10.235		
11,300.00	7,232.74	6,900.00	6,662.35	118.90	66.69	7.73	-1,250.02	4,236.40	652.63	583.67	68.97	9.463		
11,400.00	7,232.85	6,900.00	6,662.35	121.65	66.69	7.73	-1,250.02	4,236.40	598.79	531.28	67.51	8.869		
11,500.00	7,232.96	6,900.00	6,662.35	124.41	66.69	7.73	-1,250.02	4,236.40	557.83	492.18	65.65	8.496		
11,600.00	7,233.06	6,900.00	6,662.35	127.16	66.69	7.73	-1,250.02	4,236.40	532.73	468.75	63.98	8.327		
11,686.89	7,233.16	6,900.00	6,662.35	129.56	66.69	7.73	-1,250.02	4,236.40	525.59	461.64	63.95	8.218 CC		
11,700.00	7,233.17	6,900.00	6,662.35	129.92	66.69	7.73	-1,250.02	4,236.40	525.76	461.61	64.14	8.197 ES		
11,800.00	7,233.28	6,900.00	6,662.35	132.69	66.69	7.73	-1,250.02	4,236.40	537.63	470.63	66.99	8.025		
11,900.00	7,233.38	6,900.00	6,662.35	135.46	66.69	7.73	-1,250.02	4,236.40	567.15	496.42	70.73	8.018 SF		
12,000.00	7,233.49	6,900.00	6,662.35	138.23	66.69	7.73	-1,250.02	4,236.40	611.79	537.93	73.86	8.283		
12,100.00	7,233.60	6,900.00	6,662.35	141.01	66.69	7.73	-1,250.02	4,236.40	668.51	592.45	76.06	8.789		
12,200.00	7,233.71	6,900.00	6,662.35	143.79	66.69	7.73	-1,250.02	4,236.40	734.53	657.05	77.47	9.481		
12,300.00	7,233.81	6,900.00	6,662.35	146.57	66.69	7.73	-1,250.02	4,236.40	807.56	729.22	78.34	10.309		
12,400.00	7,233.92	6,900.00	6,662.35	149.35	66.69	7.73	-1,250.02	4,236.40	885.87	807.03	78.84	11.236		
12,500.00	7,234.03	6,900.00	6,662.35	152.14	66.69	7.73	-1,250.02	4,236.40	968.19	889.06	79.13	12.235		
12,600.00	7,234.13	6,900.00	6,662.35	154.93	66.69	7.73	-1,250.02	4,236.40	1,053.57	974.29	79.28	13.289		
12,700.00	7,234.24	6,900.00	6,662.35	157.72	66.69	7.73	-1,250.02	4,236.40	1,141.33	1,061.98	79.35	14.384		
12,800.00	7,234.35	6,900.00	6,662.35	160.52	66.69	7.73	-1,250.02	4,236.40	1,230.96	1,151.59	79.37	15.509		
12,900.00	7,234.45	6,900.00	6,662.35	163.31	66.69	7.73	-1,250.02	4,236.40	1,322.07	1,242.71	79.37	16.658		
13,000.00	7,234.56	6,900.00	6,662.35	166.11	66.69	7.73	-1,250.02	4,236.40	1,414.39	1,335.05	79.35	17.826		
13,100.00	7,234.67	6,900.00	6,662.35	168.91	66.69	7.73	-1,250.02	4,236.40	1,507.69	1,428.37	79.32	19.008		
13,200.00	7,234.77	6,900.00	6,662.35	171.71	66.69	7.73	-1,250.02	4,236.40	1,601.80	1,522.50	79.29	20.201		
13,300.00	7,234.88	6,900.00	6,662.35	174.52	66.69	7.73	-1,250.02	4,236.40	1,696.58	1,617.31	79.27	21.404		
13,400.00	7,234.99	6,900.00	6,662.35	177.32	66.69	7.73	-1,250.02	4,236.40	1,791.92	1,712.68	79.24	22.613		
13,500.00	7,235.09	6,900.00	6,662.35	180.13	66.69	7.73	-1,250.02	4,236.40	1,887.75	1,808.53	79.22	23.828		
13,600.00	7,235.20	6,900.00	6,662.35	182.94	66.69	7.73	-1,250.02	4,236.40	1,983.99	1,904.79	79.21	25.048		
13,700.00	7,235.31	6,900.00	6,662.35	185.74	66.69	7.73	-1,250.02	4,236.40	2,080.59	2,001.39	79.20	26.270		
13,800.00	7,235.41	6,900.00	6,662.35	188.56	66.69	7.73	-1,250.02	4,236.40	2,177.49	2,098.30	79.19	27.495		
13,900.00	7,235.52	6,900.00	6,662.35	191.37	66.69	7.73	-1,250.02	4,236.40	2,274.66	2,195.47	79.19	28.722		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	6,900.00	6,662.35	194.18	66.69	7.73	-1,250.02	4,236.40	2,372.07	2,292.87	79.20	29.950		
14,100.00	7,235.73	6,900.00	6,662.35	197.00	66.69	7.73	-1,250.02	4,236.40	2,469.69	2,390.48	79.21	31.179		
14,200.00	7,235.84	6,900.00	6,662.35	199.81	66.69	7.73	-1,250.02	4,236.40	2,567.48	2,488.26	79.22	32.408		
14,300.00	7,235.95	6,900.00	6,662.35	202.63	66.69	7.73	-1,250.02	4,236.40	2,665.44	2,586.20	79.24	33.638		
14,400.00	7,236.05	6,900.00	6,662.35	205.44	66.69	7.73	-1,250.02	4,236.40	2,763.55	2,684.29	79.26	34.866		
14,500.00	7,236.16	6,900.00	6,662.35	208.26	66.69	7.73	-1,250.02	4,236.40	2,861.79	2,782.50	79.29	36.094		
14,600.00	7,236.27	6,900.00	6,662.35	211.08	66.69	7.73	-1,250.02	4,236.40	2,960.14	2,880.83	79.31	37.322		
14,700.00	7,236.37	6,900.00	6,662.35	213.90	66.69	7.73	-1,250.02	4,236.40	3,058.61	2,979.26	79.35	38.548		
14,800.00	7,236.48	6,900.00	6,662.35	216.72	66.69	7.73	-1,250.02	4,236.40	3,157.17	3,077.79	79.38	39.773		
14,900.00	7,236.59	6,900.00	6,662.35	219.55	66.69	7.73	-1,250.02	4,236.40	3,255.81	3,176.40	79.42	40.996		
15,000.00	7,236.69	6,900.00	6,662.35	222.37	66.69	7.73	-1,250.02	4,236.40	3,354.54	3,275.08	79.46	42.218		
15,100.00	7,236.80	6,900.00	6,662.35	225.19	66.69	7.73	-1,250.02	4,236.40	3,453.34	3,373.84	79.50	43.438		
15,200.00	7,236.91	6,900.00	6,662.35	228.02	66.69	7.73	-1,250.02	4,236.40	3,552.21	3,472.66	79.55	44.656		
15,300.00	7,237.02	6,900.00	6,662.35	230.84	66.69	7.73	-1,250.02	4,236.40	3,651.14	3,571.54	79.59	45.872		
15,400.00	7,237.12	6,900.00	6,662.35	233.67	66.69	7.73	-1,250.02	4,236.40	3,750.12	3,670.48	79.64	47.087		
15,500.00	7,237.23	6,900.00	6,662.35	236.50	66.69	7.73	-1,250.02	4,236.40	3,849.16	3,769.47	79.70	48.299		
15,600.00	7,237.34	6,900.00	6,662.35	239.32	66.69	7.73	-1,250.02	4,236.40	3,948.25	3,868.50	79.75	49.508		
15,700.00	7,237.44	6,900.00	6,662.35	242.15	66.69	7.73	-1,250.02	4,236.40	4,047.38	3,967.58	79.81	50.716		
15,800.00	7,237.55	6,900.00	6,662.35	244.98	66.69	7.73	-1,250.02	4,236.40	4,146.55	4,066.69	79.86	51.921		
15,900.00	7,237.66	6,900.00	6,662.35	247.81	66.69	7.73	-1,250.02	4,236.40	4,245.77	4,165.84	79.92	53.123		
16,000.00	7,237.76	6,900.00	6,662.35	250.64	66.69	7.73	-1,250.02	4,236.40	4,345.02	4,265.03	79.98	54.323		
16,100.00	7,237.87	6,900.00	6,662.35	253.47	66.69	7.73	-1,250.02	4,236.40	4,444.30	4,364.25	80.05	55.521		
16,200.00	7,237.98	6,900.00	6,662.35	256.30	66.69	7.73	-1,250.02	4,236.40	4,543.61	4,463.50	80.11	56.715		
16,300.00	7,238.08	6,900.00	6,662.35	259.13	66.69	7.73	-1,250.02	4,236.40	4,642.95	4,562.78	80.18	57.907		
16,400.00	7,238.19	6,900.00	6,662.35	261.96	66.69	7.73	-1,250.02	4,236.40	4,742.33	4,662.08	80.25	59.097		
16,500.00	7,238.30	6,900.00	6,662.35	264.79	66.69	7.73	-1,250.02	4,236.40	4,841.72	4,761.41	80.32	60.283		
16,600.00	7,238.40	6,900.00	6,662.35	267.63	66.69	7.73	-1,250.02	4,236.40	4,941.14	4,860.76	80.39	61.467		
16,700.00	7,238.51	6,900.00	6,662.35	270.46	66.69	7.73	-1,250.02	4,236.40	5,040.59	4,960.13	80.46	62.648		
16,800.00	7,238.62	6,900.00	6,662.35	273.29	66.69	7.73	-1,250.02	4,236.40	5,140.05	5,059.52	80.53	63.826		
16,900.00	7,238.72	6,900.00	6,662.35	276.13	66.69	7.73	-1,250.02	4,236.40	5,239.54	5,158.93	80.61	65.000		
17,000.00	7,238.83	6,900.00	6,662.35	278.96	66.69	7.73	-1,250.02	4,236.40	5,339.04	5,258.36	80.68	66.172		
17,100.00	7,238.94	6,900.00	6,662.35	281.80	66.69	7.73	-1,250.02	4,236.40	5,438.57	5,357.80	80.76	67.341		
17,200.00	7,239.04	6,900.00	6,662.35	284.63	66.69	7.73	-1,250.02	4,236.40	5,538.11	5,457.27	80.84	68.507		
17,300.00	7,239.15	6,900.00	6,662.35	287.47	66.69	7.73	-1,250.02	4,236.40	5,637.66	5,556.74	80.92	69.670		
17,400.00	7,239.26	6,900.00	6,662.35	290.30	66.69	7.73	-1,250.02	4,236.40	5,737.24	5,656.23	81.00	70.829		
17,500.00	7,239.36	6,900.00	6,662.35	293.14	66.69	7.73	-1,250.02	4,236.40	5,836.82	5,755.74	81.08	71.986		
17,600.00	7,239.47	6,900.00	6,662.35	295.98	66.69	7.73	-1,250.02	4,236.40	5,936.42	5,855.26	81.17	73.139		
17,700.00	7,239.58	6,900.00	6,662.35	298.81	66.69	7.73	-1,250.02	4,236.40	6,036.04	5,954.79	81.25	74.289		
17,800.00	7,239.68	6,900.00	6,662.35	301.65	66.69	7.73	-1,250.02	4,236.40	6,135.66	6,054.33	81.34	75.436		
17,900.00	7,239.79	6,900.00	6,662.35	304.49	66.69	7.73	-1,250.02	4,236.40	6,235.30	6,153.88	81.42	76.580		
18,000.00	7,239.90	6,900.00	6,662.35	307.33	66.69	7.73	-1,250.02	4,236.40	6,334.95	6,253.44	81.51	77.720		
18,095.23	7,240.00	6,900.00	6,662.35	310.03	66.69	7.73	-1,250.02	4,236.40	6,429.86	6,348.26	81.59	78.803		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	74.76	143.55	526.96	546.21					
100.00	100.00	100.93	100.92	3.28	3.29	74.77	143.30	526.27	545.49	538.92	6.57	82.987		
200.00	200.00	203.97	203.95	3.34	3.34	74.77	142.80	524.48	543.69	537.01	6.67	81.457		
300.00	299.98	303.06	303.01	3.44	3.44	-119.20	141.96	522.48	542.36	535.48	6.88	78.815		
305.05	305.02	307.77	307.73	3.45	3.45	-119.22	141.92	522.40	542.36	535.47	6.89	78.670 CC, ES		
400.00	399.84	400.85	400.79	3.59	3.60	-119.64	141.41	521.18	543.50	536.31	7.18	75.664		
500.00	499.45	504.15	504.07	3.79	3.81	-120.44	141.12	519.35	546.09	538.50	7.59	71.953		
600.00	598.70	607.33	607.22	4.03	4.06	-121.57	140.97	516.71	549.91	541.83	8.08	68.055		
700.00	697.47	705.70	705.55	4.31	4.32	-122.92	140.97	513.73	555.44	546.81	8.63	64.363		
800.00	795.62	808.55	808.36	4.64	4.63	-124.44	139.62	510.99	563.18	553.93	9.26	60.844		
900.00	893.06	901.58	901.33	5.00	4.93	-125.94	137.82	508.43	573.08	563.18	9.90	57.869		
1,000.00	989.64	994.64	994.36	5.40	5.25	-127.60	136.57	506.68	586.62	576.03	10.59	55.371		
1,100.00	1,085.27	1,093.54	1,093.24	5.83	5.60	-129.53	135.49	504.85	603.19	591.84	11.35	53.156		
1,200.00	1,179.82	1,198.35	1,197.99	6.29	5.98	-131.78	134.56	501.49	621.80	609.64	12.16	51.130		
1,235.00	1,212.63	1,234.03	1,233.64	6.46	6.11	-132.58	134.22	499.94	628.75	616.30	12.45	50.499		
1,300.00	1,273.43	1,278.34	1,277.92	6.79	6.28	-133.70	134.08	498.32	642.89	630.00	12.89	49.862		
1,400.00	1,366.98	1,356.28	1,355.84	7.30	6.56	-135.61	135.38	497.35	668.32	654.71	13.61	49.101		
1,500.00	1,460.52	1,437.55	1,437.07	7.84	6.85	-137.50	137.66	497.10	696.16	681.81	14.34	48.538		
1,600.00	1,554.07	1,521.54	1,520.93	8.38	7.16	-139.48	142.36	497.06	726.62	711.53	15.09	48.157		
1,700.00	1,647.61	1,612.06	1,611.28	8.93	7.50	-141.49	147.82	496.60	757.97	742.09	15.88	47.737		
1,800.00	1,741.16	1,687.44	1,686.39	9.49	7.78	-143.17	154.15	495.97	791.40	774.82	16.58	47.735		
1,900.00	1,834.70	1,756.41	1,754.96	10.06	8.05	-144.66	161.63	495.99	827.78	810.55	17.23	48.043		
2,000.00	1,928.25	1,844.57	1,842.45	10.63	8.39	-146.47	172.41	496.75	866.37	848.36	18.01	48.102		
2,100.00	2,021.79	1,926.37	1,923.56	11.21	8.72	-148.08	183.00	496.76	905.68	886.92	18.75	48.296		
2,200.00	2,115.33	2,011.83	2,008.03	11.79	9.08	-149.76	195.95	495.81	946.48	926.96	19.53	48.474		
2,300.00	2,208.88	2,102.96	2,098.08	12.37	9.47	-151.44	209.80	494.27	987.72	967.37	20.35	48.535		
2,400.00	2,302.42	2,196.75	2,190.80	12.96	9.89	-153.03	223.82	492.41	1,029.28	1,008.08	21.20	48.540		
2,500.00	2,395.97	2,293.48	2,286.49	13.55	10.32	-154.56	237.75	489.84	1,070.66	1,048.57	22.09	48.466		
2,600.00	2,489.51	2,388.99	2,380.99	14.14	10.76	-155.98	251.15	486.58	1,111.92	1,088.94	22.97	48.400		
2,700.00	2,583.06	2,481.32	2,472.35	14.74	11.19	-157.27	263.94	482.74	1,153.14	1,129.30	23.84	48.378		
2,800.00	2,676.60	2,575.51	2,565.54	15.34	11.63	-158.52	276.95	478.40	1,194.56	1,169.84	24.72	48.325		
2,900.00	2,770.14	2,671.04	2,660.06	15.93	12.08	-159.72	289.80	473.29	1,235.78	1,210.16	25.62	48.236		
3,000.00	2,863.69	2,764.45	2,752.47	16.53	12.52	-160.83	302.25	467.75	1,277.02	1,250.51	26.51	48.178		
3,100.00	2,957.23	2,858.56	2,845.58	17.13	12.97	-161.90	314.60	461.71	1,318.24	1,290.84	27.40	48.105		
3,200.00	3,050.78	2,950.76	2,936.79	17.74	13.42	-162.89	326.51	455.43	1,359.47	1,331.18	28.29	48.057		
3,300.00	3,144.32	3,046.01	3,031.02	18.34	13.88	-163.86	338.63	448.78	1,400.79	1,371.59	29.20	47.967		
3,400.00	3,237.87	3,124.63	3,108.87	18.94	14.26	-164.60	348.27	443.41	1,442.13	1,412.16	29.97	48.115		
3,500.00	3,331.41	3,186.00	3,169.61	19.55	14.56	-165.13	356.45	440.24	1,485.19	1,454.61	30.58	48.567		
3,600.00	3,424.96	3,281.47	3,264.05	20.15	15.03	-165.91	369.67	435.79	1,529.07	1,497.57	31.50	48.539		
3,666.72	3,487.37	3,346.25	3,328.16	20.56	15.35	-166.41	378.39	432.56	1,558.17	1,526.04	32.13	48.499		
3,700.00	3,518.57	3,378.78	3,360.37	20.76	15.51	-166.73	382.66	430.96	1,572.47	1,540.03	32.44	48.471		
3,800.00	3,613.09	3,472.02	3,452.69	21.34	15.97	-167.57	394.81	426.15	1,613.29	1,579.96	33.33	48.400		
3,900.00	3,708.70	3,576.95	3,556.63	21.90	16.48	-168.38	408.01	420.45	1,650.66	1,616.34	34.32	48.096		
4,000.00	3,805.27	3,670.74	3,649.60	22.44	16.94	-169.03	419.34	415.48	1,684.59	1,649.40	35.19	47.868		
4,100.00	3,902.69	3,761.22	3,739.25	22.95	17.39	-169.61	430.50	410.42	1,715.50	1,679.47	36.02	47.623		
4,200.00	4,000.84	3,849.15	3,825.82	23.43	18.30	-170.54	449.60	398.92	1,741.50	1,703.81	37.69	46.200		
4,300.00	4,099.59	4,159.68	4,135.94	23.89	19.20	-171.14	456.00	389.18	1,758.33	1,718.97	39.36	44.668		
4,400.00	4,198.84	4,247.31	4,223.51	24.32	19.55	-171.32	455.50	385.80	1,768.43	1,728.31	40.11	44.084		
4,500.00	4,298.45	4,359.46	4,335.60	24.73	19.99	-171.46	454.08	382.76	1,774.90	1,733.89	41.00	43.285		
4,600.00	4,398.30	4,458.39	4,434.49	25.11	20.37	-171.55	452.38	380.28	1,777.59	1,735.80	41.79	42.535		
4,701.72	4,500.00	4,540.70	4,516.76	25.45	20.69	22.22	451.29	378.35	1,777.27	1,734.83	42.44	41.878		
4,766.05	4,564.33	4,581.26	4,557.33	25.64	20.85	22.22	451.06	378.20	1,776.84	1,734.09	42.75	41.563		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,598.28	4,612.00	4,588.06	25.74	20.97	22.23	451.06	378.61	1,777.00	1,734.02	42.98	41.347		
4,900.00	4,698.28	4,695.46	4,671.50	26.04	21.29	22.27	451.40	380.11	1,777.99	1,734.40	43.59	40.785		
5,000.00	4,798.28	4,786.34	4,762.38	26.34	21.65	22.30	452.18	381.42	1,779.34	1,735.07	44.27	40.194		
5,100.00	4,898.28	4,882.37	4,858.39	26.65	22.04	22.33	453.49	382.69	1,781.10	1,736.11	44.99	39.588		
5,200.00	4,998.28	4,984.37	4,960.37	26.96	22.45	22.34	455.05	383.75	1,782.91	1,737.15	45.76	38.960		
5,300.00	5,098.28	5,081.92	5,057.91	27.27	22.85	22.34	456.67	384.41	1,784.70	1,738.19	46.51	38.372		
5,400.00	5,198.28	5,182.32	5,158.29	27.59	23.27	22.32	458.58	384.69	1,786.56	1,739.28	47.29	37.782		
5,500.00	5,298.28	5,285.13	5,261.08	27.91	23.70	22.30	460.54	384.70	1,788.33	1,740.25	48.09	37.191		
5,600.00	5,398.28	5,383.75	5,359.68	28.23	24.11	22.26	462.51	384.36	1,790.05	1,741.19	48.86	36.637		
5,700.00	5,498.28	5,477.64	5,453.53	28.56	24.52	22.21	464.87	383.38	1,791.98	1,742.38	49.60	36.126		
5,800.00	5,598.28	5,580.93	5,556.76	28.89	24.96	22.13	467.97	382.03	1,794.28	1,743.86	50.42	35.587		
5,900.00	5,698.28	5,713.04	5,688.86	29.22	25.49	22.15	468.26	382.66	1,794.45	1,743.03	51.42	34.897		
6,000.00	5,798.28	5,803.40	5,779.22	29.56	25.85	22.16	468.50	383.18	1,794.92	1,742.79	52.13	34.431		
6,100.00	5,898.28	5,899.13	5,874.95	29.90	26.25	22.15	469.34	383.18	1,795.72	1,742.83	52.89	33.951		
6,200.00	5,998.28	5,997.59	5,973.40	30.24	26.67	22.12	470.61	382.60	1,796.70	1,743.02	53.68	33.471		
6,300.00	6,098.28	6,093.20	6,068.99	30.58	27.07	22.06	472.16	381.50	1,797.77	1,743.32	54.45	33.016		
6,400.00	6,198.28	6,192.33	6,168.08	30.92	27.50	21.99	474.26	379.85	1,799.11	1,743.85	55.25	32.561		
6,500.00	6,298.28	6,325.86	6,301.58	31.27	28.06	21.91	475.86	377.91	1,799.74	1,743.46	56.29	31.975		
6,522.70	6,320.98	6,338.26	6,313.98	31.35	28.10	21.92	475.77	378.07	1,799.69	1,743.30	56.39	31.914		
6,600.00	6,398.28	6,387.81	6,363.44	31.62	28.29	22.00	475.13	380.66	1,800.29	1,743.49	56.80	31.697		
6,700.00	6,498.28	6,443.78	6,418.91	31.97	28.49	22.23	473.79	387.79	1,802.97	1,745.74	57.23	31.503		
6,794.10	6,592.38	6,488.64	6,462.40	32.31	28.64	22.57	471.88	398.58	1,808.04	1,750.51	57.54	31.425		
6,800.00	6,598.28	6,491.37	6,465.00	32.33	28.65	-67.19	471.73	399.39	1,808.44	1,750.89	57.55	31.423		
6,850.00	6,648.21	6,512.00	6,484.48	32.51	28.72	-66.76	470.56	406.08	1,811.37	1,753.71	57.66	31.413		
6,900.00	6,697.79	6,545.07	6,515.32	32.69	28.82	-66.34	468.64	417.86	1,813.41	1,755.55	57.86	31.343		
6,950.00	6,746.73	6,575.42	6,543.46	32.86	28.91	-66.08	467.02	429.12	1,814.43	1,756.42	58.01	31.277		
7,000.00	6,794.71	6,607.00	6,572.56	33.03	29.01	-65.96	465.48	441.29	1,814.42	1,756.25	58.17	31.193		
7,050.00	6,841.44	6,607.00	6,572.56	33.20	29.01	-66.02	465.48	441.29	1,813.73	1,755.73	58.00	31.271		
7,100.00	6,886.64	6,649.64	6,611.12	33.35	29.12	-66.12	463.59	459.36	1,811.68	1,753.43	58.25	31.102		
7,150.00	6,930.03	6,671.32	6,630.24	33.50	29.18	-66.34	462.69	469.55	1,809.09	1,750.81	58.28	31.041		
7,200.00	6,971.33	6,703.00	6,657.51	33.64	29.27	-66.67	461.44	485.60	1,805.77	1,747.35	58.42	30.911		
7,250.00	7,010.30	6,718.42	6,670.55	33.77	29.31	-67.08	460.88	493.81	1,801.53	1,743.13	58.40	30.849		
7,300.00	7,046.69	6,746.92	6,694.47	33.89	29.39	-67.64	459.97	509.28	1,796.44	1,737.89	58.55	30.683		
7,350.00	7,080.28	6,775.14	6,717.92	34.00	29.46	-68.34	459.23	524.97	1,790.47	1,731.74	58.73	30.487		
7,400.00	7,110.86	6,804.19	6,741.78	34.11	29.53	-69.17	458.62	541.51	1,783.69	1,724.71	58.97	30.247		
7,450.00	7,138.25	6,838.36	6,769.37	34.21	29.62	-70.18	457.87	561.67	1,776.04	1,716.70	59.35	29.927		
7,500.00	7,162.27	6,872.26	6,796.12	34.32	29.70	-71.32	456.97	582.47	1,767.57	1,707.78	59.78	29.566		
7,550.00	7,182.77	6,893.00	6,812.17	34.43	29.75	-72.39	456.35	595.59	1,758.42	1,698.28	60.14	29.239		
7,600.00	7,199.64	6,921.87	6,834.06	34.57	29.88	-73.67	455.56	614.40	1,748.82	1,688.12	60.70	28.811		
7,650.00	7,212.76	6,942.27	6,849.15	34.76	30.01	-74.88	455.13	628.11	1,739.05	1,677.80	61.25	28.394		
7,700.00	7,222.06	6,962.20	6,863.61	35.02	30.13	-76.13	454.82	641.84	1,729.17	1,667.30	61.88	27.946		
7,750.00	7,227.47	6,988.00	6,881.85	35.37	30.30	-77.55	454.57	660.07	1,719.34	1,656.68	62.66	27.440		
7,793.42	7,229.00	6,988.00	6,881.85	35.74	30.30	-78.31	454.57	660.07	1,710.91	1,647.78	63.14	27.098		
7,800.00	7,229.01	6,988.00	6,881.85	35.80	30.30	-78.31	454.57	660.07	1,709.69	1,646.47	63.22	27.045		
7,900.00	7,229.11	7,043.23	6,918.77	36.91	30.73	-79.54	454.39	701.13	1,692.47	1,627.22	65.25	25.938		
8,000.00	7,229.22	7,093.34	6,949.43	38.28	31.14	-80.58	454.51	740.76	1,679.10	1,611.70	67.40	24.912		
8,100.00	7,229.33	7,171.03	6,992.88	39.83	31.89	-82.05	454.37	805.14	1,668.44	1,598.31	70.12	23.793		
8,200.00	7,229.43	7,236.14	7,024.85	41.53	32.64	-83.14	453.88	861.83	1,660.04	1,587.15	72.89	22.774		
8,300.00	7,229.54	7,309.06	7,053.66	43.36	33.59	-84.13	453.25	928.76	1,654.00	1,578.07	75.92	21.785		
8,400.00	7,229.65	7,397.31	7,077.57	45.30	34.88	-84.95	451.95	1,013.62	1,649.46	1,570.12	79.34	20.790		
8,500.00	7,229.75	7,481.64	7,088.32	47.33	36.31	-85.31	449.72	1,097.18	1,645.45	1,562.56	82.89	19.850		
8,600.00	7,229.86	7,548.00	7,094.22	49.45	37.50	-85.51	448.89	1,163.27	1,643.18	1,556.90	86.28	19.045		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,665.70	7,229.93	7,594.22	7,098.26	50.88	38.42	-85.65	449.04	1,209.31	1,642.76	1,554.08	88.68	18.525		
8,700.00	7,229.97	7,617.63	7,100.44	51.64	38.89	-85.72	449.35	1,232.62	1,642.88	1,552.96	89.92	18.271		
8,800.00	7,230.07	7,703.06	7,108.25	53.89	40.68	-86.00	451.34	1,317.66	1,644.20	1,550.18	94.01	17.489		
8,900.00	7,230.18	7,797.14	7,114.98	56.19	42.78	-86.23	453.73	1,411.47	1,645.94	1,547.49	98.46	16.717		
9,000.00	7,230.29	7,908.48	7,122.54	58.55	45.41	-86.50	456.58	1,522.52	1,647.77	1,544.30	103.47	15.925		
9,100.00	7,230.39	7,992.95	7,125.59	60.94	47.49	-86.60	458.32	1,606.91	1,649.34	1,541.36	107.98	15.275		
9,200.00	7,230.50	8,094.69	7,129.60	63.38	50.09	-86.74	461.37	1,708.53	1,651.80	1,538.77	113.03	14.614		
9,300.00	7,230.61	8,193.16	7,133.23	65.85	52.70	-86.87	463.91	1,806.89	1,653.85	1,535.73	118.12	14.001		
9,400.00	7,230.72	8,303.15	7,137.11	68.35	55.68	-87.00	466.67	1,916.78	1,655.87	1,532.25	123.62	13.395		
9,500.00	7,230.82	8,406.26	7,142.22	70.87	58.56	-87.18	468.83	2,019.74	1,657.40	1,528.35	129.05	12.843		
9,600.00	7,230.93	8,523.63	7,150.29	73.42	61.91	-87.45	470.43	2,136.82	1,658.08	1,523.11	134.98	12.284		
9,700.00	7,231.04	8,614.11	7,157.40	75.99	64.52	-87.70	471.67	2,227.01	1,658.81	1,518.59	140.21	11.831		
9,800.00	7,231.14	8,715.07	7,163.00	78.59	67.48	-87.89	473.33	2,327.79	1,659.93	1,514.14	145.79	11.386		
9,900.00	7,231.25	8,821.87	7,166.37	81.19	70.65	-88.00	474.28	2,434.54	1,660.37	1,508.79	151.58	10.954		
10,000.00	7,231.36	8,904.96	7,168.26	83.82	73.13	-88.07	475.45	2,517.59	1,661.39	1,504.69	156.70	10.602		
10,100.00	7,231.46	8,998.56	7,170.74	86.46	75.96	-88.15	477.80	2,611.13	1,663.47	1,501.30	162.17	10.257		
10,200.00	7,231.57	9,152.83	7,171.80	89.11	80.65	-88.18	478.61	2,765.39	1,663.58	1,494.12	169.46	9.817		
10,300.00	7,231.68	9,260.61	7,169.87	91.77	83.96	-88.11	477.13	2,873.13	1,661.95	1,486.55	175.40	9.475		
10,400.00	7,231.78	9,366.69	7,167.64	94.45	87.24	-88.03	475.17	2,979.17	1,659.85	1,478.52	181.33	9.154		
10,500.00	7,231.89	9,444.70	7,168.32	97.14	89.66	-88.04	474.28	3,057.17	1,658.36	1,471.85	186.50	8.892		
10,541.32	7,231.93	9,472.34	7,169.10	98.25	90.52	-88.07	474.27	3,084.79	1,658.18	1,469.67	188.51	8.796		
10,600.00	7,232.00	9,510.55	7,170.49	99.83	91.72	-88.12	474.67	3,122.98	1,658.54	1,467.23	191.31	8.670		
10,700.00	7,232.10	9,588.69	7,174.29	102.53	94.16	-88.25	476.72	3,201.00	1,660.64	1,464.18	196.46	8.453		
10,800.00	7,232.21	9,678.74	7,179.24	105.25	96.99	-88.42	479.70	3,290.86	1,663.47	1,461.46	202.00	8.235		
10,900.00	7,232.32	9,796.38	7,183.56	107.96	100.69	-88.57	483.84	3,408.35	1,666.66	1,458.19	208.47	7.995		
11,000.00	7,232.42	9,934.48	7,189.16	110.69	105.07	-88.75	485.57	3,546.32	1,667.45	1,451.87	215.58	7.735		
11,007.49	7,232.43	9,944.29	7,189.47	110.90	105.38	-88.76	485.58	3,556.13	1,667.43	1,451.34	216.09	7.716		
11,100.00	7,232.53	10,029.40	7,192.52	113.42	108.09	-88.87	486.01	3,641.18	1,667.52	1,446.16	221.35	7.533		
11,200.00	7,232.64	10,127.84	7,196.23	116.16	111.22	-88.99	486.53	3,739.54	1,667.66	1,440.41	227.25	7.338		
11,300.00	7,232.74	10,217.82	7,200.06	118.90	114.10	-89.12	487.38	3,829.44	1,668.22	1,435.33	232.89	7.163		
11,400.00	7,232.85	10,319.91	7,203.55	121.65	117.37	-89.23	488.62	3,931.46	1,669.06	1,430.14	238.92	6.986		
11,500.00	7,232.96	10,431.32	7,204.42	124.41	120.94	-89.26	489.28	4,042.86	1,669.31	1,424.08	245.24	6.807		
11,600.00	7,233.06	10,530.02	7,204.38	127.16	124.11	-89.26	489.64	4,141.56	1,669.36	1,418.20	251.17	6.646		
11,700.00	7,233.17	10,621.23	7,204.02	129.92	127.04	-89.24	490.18	4,232.77	1,669.64	1,412.77	256.87	6.500		
11,800.00	7,233.28	10,704.87	7,203.97	132.69	129.74	-89.24	491.37	4,316.40	1,670.75	1,408.43	262.33	6.369		
11,900.00	7,233.38	10,824.19	7,204.77	135.46	133.58	-89.26	493.88	4,435.69	1,672.67	1,403.72	268.95	6.219		
12,000.00	7,233.49	10,951.64	7,204.66	138.23	137.71	-89.25	493.22	4,563.14	1,671.70	1,395.92	275.78	6.062		
12,100.00	7,233.60	11,072.18	7,205.12	141.01	141.61	-89.26	491.14	4,683.66	1,669.60	1,387.22	282.38	5.913		
12,200.00	7,233.71	11,150.62	7,205.98	143.79	144.16	-89.29	490.02	4,762.08	1,667.84	1,380.03	287.80	5.795		
12,300.00	7,233.81	11,232.70	7,206.83	146.57	146.83	-89.31	489.81	4,844.16	1,667.25	1,373.95	293.30	5.684		
12,304.30	7,233.82	11,236.23	7,206.86	146.69	146.94	-89.31	489.83	4,847.69	1,667.25	1,373.72	293.54	5.680		
12,400.00	7,233.92	11,309.31	7,207.08	149.35	149.32	-89.32	490.55	4,920.76	1,667.90	1,369.31	298.58	5.586		
12,500.00	7,234.03	11,414.52	7,205.80	152.14	152.73	-89.27	492.40	5,025.95	1,669.36	1,364.57	304.79	5.477		
12,600.00	7,234.13	11,516.46	7,203.32	154.93	156.05	-89.18	493.65	5,127.85	1,670.30	1,359.42	310.88	5.373		
12,700.00	7,234.24	11,593.77	7,202.28	157.72	158.56	-89.15	495.10	5,205.13	1,671.88	1,355.73	316.15	5.288		
12,800.00	7,234.35	11,659.63	7,201.97	160.52	160.70	-89.13	497.40	5,270.95	1,675.11	1,354.17	320.93	5.219		
12,900.00	7,234.45	11,754.77	7,202.42	163.31	163.79	-89.15	502.74	5,365.94	1,680.36	1,353.57	326.79	5.142		
13,000.00	7,234.56	11,928.18	7,201.39	166.11	169.45	-89.11	505.93	5,539.30	1,681.23	1,345.79	335.44	5.012		
13,100.00	7,234.67	11,990.00	7,201.79	168.91	171.47	-89.12	507.02	5,601.10	1,682.64	1,342.41	340.22	4.946		
13,200.00	7,234.77	13,200.00	7,202.71	171.71	211.08	-89.14	507.19	5,774.96	1,682.01	1,299.43	382.58	4.397		
13,300.00	7,234.88	12,281.42	7,200.22	174.52	181.00	-89.05	503.94	5,892.40	1,678.84	1,323.68	355.16	4.727		
13,400.00	7,234.99	12,356.05	7,198.90	177.32	183.45	-89.01	502.54	5,967.00	1,676.68	1,316.11	360.56	4.650		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,235.09	12,504.22	7,196.13	180.13	188.31	-88.90	498.43	6,115.08	1,673.52	1,305.67	367.85	4.549		
13,600.00	7,235.20	12,607.16	7,193.62	182.94	191.69	-88.81	494.26	6,217.91	1,669.19	1,295.20	373.99	4.463		
13,700.00	7,235.31	12,685.14	7,191.47	185.74	194.25	-88.73	491.14	6,295.80	1,665.04	1,285.47	379.57	4.387		
13,800.00	7,235.41	12,745.00	7,189.04	188.56	196.21	-88.64	490.17	6,355.59	1,663.15	1,278.60	384.55	4.325		
13,829.01	7,235.44	12,761.87	7,188.28	189.37	196.76	-88.62	490.16	6,372.45	1,663.06	1,277.12	385.94	4.309		
13,900.00	7,235.52	12,807.90	7,186.48	191.37	198.27	-88.55	490.61	6,418.43	1,663.59	1,274.16	389.43	4.272		
14,000.00	7,235.63	12,890.33	7,184.00	194.18	200.97	-88.47	492.74	6,500.81	1,665.88	1,271.02	394.87	4.219		
14,100.00	7,235.73	12,982.39	7,180.88	197.00	203.99	-88.36	495.42	6,592.77	1,668.58	1,267.95	400.63	4.165		
14,200.00	7,235.84	13,124.41	7,175.84	199.81	208.64	-88.18	499.13	6,734.64	1,671.25	1,263.08	408.17	4.095		
14,300.00	7,235.95	13,195.39	7,174.54	202.63	210.97	-88.14	500.37	6,805.59	1,672.71	1,259.46	413.25	4.048		
14,400.00	7,236.05	13,268.82	7,173.27	205.44	213.38	-88.09	502.81	6,878.98	1,675.76	1,257.46	418.31	4.006		
14,500.00	7,236.16	13,351.87	7,170.55	208.26	216.10	-88.00	506.74	6,961.89	1,680.26	1,256.60	423.66	3.966		
14,600.00	7,236.27	13,539.52	7,164.18	211.08	222.26	-87.78	511.34	7,149.32	1,682.54	1,249.63	432.91	3.887		
14,700.00	7,236.37	13,642.04	7,161.64	213.90	225.63	-87.69	511.52	7,251.81	1,682.50	1,243.43	439.07	3.832		
14,799.30	7,236.48	13,732.93	7,162.98	216.71	228.63	-87.73	511.17	7,342.68	1,681.78	1,236.89	444.89	3.780		
14,800.00	7,236.48	13,733.40	7,162.98	216.72	228.64	-87.73	511.17	7,343.15	1,681.78	1,236.85	444.93	3.780		
14,900.00	7,236.59	13,827.29	7,162.89	219.55	231.73	-87.73	512.22	7,437.04	1,682.55	1,231.71	450.85	3.732		
15,000.00	7,236.69	13,943.44	7,158.59	222.37	235.56	-87.58	511.83	7,553.10	1,681.99	1,224.58	457.41	3.677		
15,100.00	7,236.80	14,037.48	7,154.12	225.19	238.65	-87.42	511.56	7,647.03	1,681.60	1,218.31	463.29	3.630		
15,200.00	7,236.91	14,134.02	7,150.75	228.02	241.84	-87.30	511.63	7,743.51	1,681.51	1,212.26	469.25	3.583		
15,300.00	7,237.02	14,258.43	7,149.88	230.84	245.94	-87.27	511.31	7,867.91	1,681.02	1,204.95	476.07	3.531		
15,400.00	7,237.12	14,369.93	7,148.44	233.67	249.62	-87.21	509.22	7,979.38	1,678.85	1,196.38	482.48	3.480		
15,497.90	7,237.23	14,431.87	7,147.85	236.44	251.67	-87.19	508.72	8,041.31	1,677.80	1,190.36	487.44	3.442		
15,500.00	7,237.23	14,433.19	7,147.84	236.50	251.71	-87.19	508.73	8,042.64	1,677.81	1,190.26	487.55	3.441		
15,600.00	7,237.34	14,537.19	7,146.89	239.32	255.14	-87.15	509.24	8,146.63	1,678.04	1,184.26	493.78	3.398		
15,700.00	7,237.44	14,639.09	7,146.14	242.15	258.51	-87.12	509.24	8,248.52	1,677.76	1,177.81	499.95	3.356		
15,800.00	7,237.55	14,749.28	7,146.06	244.98	262.15	-87.11	509.00	8,358.72	1,677.24	1,170.87	506.37	3.312		
15,900.00	7,237.66	14,866.65	7,145.93	247.81	266.03	-87.10	507.33	8,476.07	1,675.46	1,162.49	512.97	3.266		
16,000.00	7,237.76	14,959.45	7,145.85	250.64	269.10	-87.09	506.08	8,568.86	1,673.79	1,154.88	518.91	3.226		
16,100.00	7,237.87	15,046.01	7,145.41	253.47	271.96	-87.07	505.13	8,655.42	1,672.45	1,147.79	524.66	3.188		
16,136.81	7,237.91	15,070.84	7,145.32	254.51	272.78	-87.07	505.11	8,680.24	1,672.31	1,145.77	526.55	3.176		
16,200.00	7,237.98	15,114.00	7,145.31	256.30	274.21	-87.07	505.52	8,723.41	1,672.70	1,142.95	529.75	3.158		
16,300.00	7,238.08	15,220.00	7,145.39	259.13	277.71	-87.07	507.16	8,829.39	1,673.95	1,137.86	536.09	3.123		
16,400.00	7,238.19	15,354.81	7,144.42	261.96	282.17	-87.02	505.99	8,964.19	1,672.47	1,129.19	543.27	3.078		
16,475.67	7,238.27	15,409.72	7,144.00	264.11	283.98	-87.01	505.79	9,019.10	1,671.99	1,124.69	547.29	3.055		
16,500.00	7,238.30	15,426.72	7,143.87	264.79	284.55	-87.00	505.87	9,036.10	1,672.04	1,123.50	548.55	3.048		
16,600.00	7,238.40	15,494.00	7,143.32	267.63	286.77	-86.98	506.94	9,103.36	1,673.38	1,119.90	553.49	3.023		
16,700.00	7,238.51	15,549.00	7,142.84	270.46	288.58	-86.97	508.86	9,158.33	1,676.84	1,119.20	557.64	3.007		
16,800.00	7,238.62	15,624.75	7,142.03	273.29	291.07	-86.94	513.14	9,233.95	1,682.32	1,119.80	562.52	2.991		
16,900.00	7,238.72	15,730.44	7,141.59	276.13	294.54	-86.94	520.48	9,339.38	1,688.99	1,120.06	568.93	2.969		
17,000.00	7,238.83	15,910.02	7,144.91	278.96	300.46	-87.06	528.41	9,518.73	1,693.14	1,114.54	578.59	2.926		
17,100.00	7,238.94	16,020.48	7,146.36	281.80	304.11	-87.10	529.83	9,629.17	1,694.01	1,108.89	585.12	2.895		
17,200.00	7,239.04	16,088.81	7,147.36	284.63	306.37	-87.14	531.26	9,697.49	1,695.74	1,105.65	590.09	2.874		
17,300.00	7,239.15	16,177.64	7,149.02	287.47	309.30	-87.20	534.62	9,786.24	1,699.07	1,103.29	595.79	2.852		
17,400.00	7,239.26	16,303.05	7,151.70	290.30	313.44	-87.29	538.61	9,911.55	1,701.86	1,098.88	602.98	2.822		
17,500.00	7,239.36	16,384.17	7,152.09	293.14	316.12	-87.30	540.76	9,992.63	1,704.20	1,095.83	608.38	2.801		
17,600.00	7,239.47	16,554.89	7,152.41	295.98	321.77	-87.31	541.82	10,163.32	1,704.07	1,087.13	616.94	2.762		
17,700.00	7,239.58	16,669.42	7,152.40	298.81	325.57	-87.30	540.81	10,277.85	1,702.93	1,079.49	623.45	2.731		
17,800.00	7,239.68	16,795.59	7,152.40	301.65	329.75	-87.29	537.60	10,403.97	1,700.06	1,069.91	630.14	2.698		
17,900.00	7,239.79	16,845.00	7,152.40	304.49	331.39	-87.28	536.05	10,453.36	1,697.30	1,062.21	635.10	2.673		
17,910.03	7,239.80	16,845.00	7,152.40	304.77	331.39	-87.28	536.05	10,453.36	1,697.27	1,061.86	635.41	2.671		
18,000.00	7,239.90	16,845.00	7,152.40	307.33	331.39	-87.28	536.05	10,453.36	1,699.66	1,062.40	637.26	2.667 SF		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #11-5-3NCHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 133-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
18,095.23	7,240.00	16,845.00	7,152.40	310.03	331.39	-87.28	536.05	10,453.36	1,707.35	1,070.06	637.29	2.679	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	77.76	113.68	523.90	536.14					
100.00	100.00	100.38	100.37	3.28	3.30	77.79	113.14	522.79	534.94	528.36	6.59	81.234		
200.00	200.00	201.51	201.49	3.34	3.38	77.84	112.37	521.50	533.54	526.83	6.71	79.461		
300.00	299.98	303.77	303.73	3.44	3.51	-116.15	111.72	519.75	532.50	525.55	6.95	76.608		
335.47	335.42	339.61	339.56	3.49	3.57	-116.29	111.55	519.03	532.41	525.35	7.06	75.434 CC, ES		
400.00	399.84	404.04	403.98	3.59	3.69	-116.64	111.21	517.72	532.74	525.46	7.28	73.183		
500.00	499.45	511.07	510.97	3.79	3.93	-117.52	110.59	514.90	534.02	526.30	7.72	69.189		
600.00	598.70	615.48	615.30	4.03	4.21	-118.74	110.02	510.80	535.84	527.60	8.23	65.087		
700.00	697.47	708.81	708.57	4.31	4.48	-120.05	109.34	507.39	539.83	531.05	8.78	61.490		
800.00	795.62	808.37	808.06	4.64	4.79	-121.72	108.76	503.85	546.15	536.75	9.41	58.059		
900.00	893.06	899.65	899.30	5.00	5.09	-123.38	107.99	501.30	555.52	545.47	10.06	55.242		
1,000.00	989.64	995.75	995.38	5.40	5.42	-125.25	106.95	499.41	568.21	557.44	10.77	52.771		
1,100.00	1,085.27	1,100.05	1,099.63	5.83	5.80	-127.43	105.19	496.79	583.02	571.47	11.55	50.475		
1,200.00	1,179.82	1,200.54	1,200.02	6.29	6.17	-129.62	102.81	493.25	599.73	587.37	12.36	48.540		
1,235.00	1,212.63	1,233.96	1,233.41	6.46	6.30	-130.37	101.94	491.98	606.23	593.59	12.64	47.968		
1,300.00	1,273.43	1,295.94	1,295.32	6.79	6.54	-131.91	100.26	489.63	618.86	605.70	13.17	47.007		
1,400.00	1,366.98	1,389.53	1,388.81	7.30	6.91	-134.11	97.62	486.19	639.19	625.21	13.98	45.719		
1,500.00	1,460.52	1,478.97	1,478.17	7.84	7.26	-136.09	95.25	483.32	660.90	646.11	14.79	44.691		
1,600.00	1,554.07	1,566.07	1,565.22	8.38	7.61	-137.92	93.52	481.11	684.34	668.75	15.59	43.896		
1,700.00	1,647.61	1,673.83	1,672.92	8.93	8.04	-140.08	91.76	477.92	708.46	691.95	16.51	42.919		
1,800.00	1,741.16	1,789.86	1,788.74	9.49	8.52	-142.15	87.21	472.73	730.79	713.32	17.47	41.820		
1,900.00	1,834.70	1,899.34	1,897.74	10.06	8.99	-143.79	78.84	466.98	750.75	732.34	18.42	40.768		
2,000.00	1,928.25	1,985.56	1,983.59	10.63	9.36	-144.95	71.76	463.24	771.51	752.26	19.25	40.085		
2,100.00	2,021.79	2,083.75	2,081.42	11.21	9.78	-146.15	63.95	460.19	793.69	773.55	20.14	39.405		
2,200.00	2,115.33	2,196.17	2,193.20	11.79	10.28	-147.50	53.57	454.24	813.66	792.55	21.12	38.532		
2,300.00	2,208.88	2,281.61	2,278.19	12.37	10.66	-148.47	45.93	450.06	834.54	812.59	21.96	38.010		
2,400.00	2,302.42	2,367.10	2,363.31	12.96	11.04	-149.34	38.45	447.31	856.96	834.17	22.79	37.599		
2,500.00	2,395.97	2,463.03	2,458.89	13.55	11.46	-150.22	30.42	445.39	880.68	857.00	23.69	37.177		
2,600.00	2,489.51	2,574.40	2,569.74	14.14	11.96	-151.33	21.10	440.34	902.90	878.22	24.68	36.587		
2,700.00	2,583.06	2,669.51	2,664.40	14.74	12.40	-152.24	13.02	435.74	925.13	899.55	25.58	36.170		
2,800.00	2,676.60	2,762.00	2,756.46	15.34	12.82	-153.07	5.15	431.50	947.73	921.26	26.46	35.814		
2,900.00	2,770.14	2,848.72	2,842.81	15.93	13.21	-153.79	-1.99	428.21	971.23	943.92	27.31	35.561		
3,000.00	2,863.69	2,949.96	2,943.70	16.53	13.67	-154.55	-10.05	425.47	995.78	967.53	28.25	35.245		
3,100.00	2,957.23	3,052.96	3,046.19	17.13	14.15	-155.35	-19.09	420.79	1,018.69	989.48	29.21	34.879		
3,200.00	3,050.78	3,139.40	3,132.28	17.74	14.55	-156.00	-25.89	417.15	1,042.68	1,012.62	30.06	34.691		
3,300.00	3,144.32	3,227.71	3,220.29	18.34	14.95	-156.78	-30.89	411.71	1,067.45	1,036.54	30.91	34.533		
3,400.00	3,237.87	3,312.15	3,304.49	18.94	15.33	-157.52	-34.79	406.68	1,093.34	1,061.61	31.74	34.451		
3,500.00	3,331.41	3,402.39	3,394.52	19.55	15.74	-158.26	-38.42	401.96	1,120.31	1,087.71	32.60	34.364		
3,600.00	3,424.96	3,503.34	3,495.24	20.15	16.20	-159.00	-43.41	397.06	1,146.92	1,113.37	33.55	34.188		
3,666.72	3,487.37	3,555.16	3,546.95	20.56	16.43	-159.38	-45.66	394.61	1,165.15	1,131.08	34.06	34.206		
3,700.00	3,518.57	3,594.73	3,586.44	20.76	16.61	-159.73	-47.11	392.69	1,174.26	1,139.84	34.42	34.113		
3,800.00	3,613.09	3,728.17	3,719.33	21.34	17.23	-160.80	-54.69	383.40	1,196.62	1,161.03	35.59	33.622		
3,900.00	3,708.70	3,831.67	3,822.31	21.90	17.72	-161.54	-61.59	375.61	1,215.02	1,178.48	36.53	33.257		
4,000.00	3,805.27	3,928.96	3,919.08	22.44	18.18	-162.14	-68.38	368.19	1,229.95	1,192.52	37.43	32.863		
4,100.00	3,902.69	4,021.76	4,011.42	22.95	18.62	-162.62	-74.65	361.39	1,242.00	1,203.73	38.27	32.451		
4,200.00	4,000.84	4,135.93	4,125.02	23.43	19.16	-163.09	-82.88	353.59	1,250.72	1,211.46	39.25	31.862		
4,300.00	4,099.59	4,225.38	4,214.01	23.89	19.59	-163.34	-90.25	348.21	1,255.65	1,215.60	40.05	31.349		
4,400.00	4,198.84	4,304.09	4,292.39	24.32	19.96	-163.52	-95.84	343.93	1,258.53	1,217.77	40.76	30.879		
4,500.00	4,298.45	4,402.18	4,390.20	24.73	20.41	-163.69	-101.73	339.21	1,259.33	1,217.75	41.58	30.285		
4,600.00	4,398.30	4,496.12	4,483.86	25.11	20.85	-163.75	-107.88	335.29	1,256.66	1,214.30	42.36	29.665		
4,701.72	4,500.00	4,575.34	4,562.90	25.45	21.20	30.09	-112.48	332.72	1,251.67	1,208.69	42.98	29.119		
4,800.00	4,598.28	4,641.88	4,629.34	25.74	21.49	30.16	-115.92	332.67	1,247.30	1,203.84	43.46	28.703		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,712.00	4,699.44	26.04	21.77	30.22	-117.22	333.27	1,245.92	1,202.00	43.92	28.366		
4,908.16	4,706.44	4,712.00	4,699.44	26.06	21.77	30.22	-117.22	333.27	1,245.89	1,201.99	43.90	28.378		
5,000.00	4,798.28	4,788.63	4,776.07	26.34	22.05	30.24	-116.82	334.05	1,246.72	1,202.29	44.42	28.065		
5,100.00	4,898.28	4,887.89	4,875.32	26.65	22.42	30.24	-115.73	334.74	1,248.02	1,202.88	45.15	27.643		
5,200.00	4,998.28	4,991.54	4,978.96	26.96	22.81	30.20	-114.22	334.51	1,249.17	1,203.24	45.93	27.199		
5,300.00	5,098.28	5,096.53	5,083.93	27.27	23.22	30.11	-112.59	333.37	1,249.96	1,203.23	46.73	26.747		
5,400.00	5,198.28	5,201.32	5,188.70	27.59	23.64	30.01	-111.04	331.58	1,250.39	1,202.85	47.54	26.300		
5,500.00	5,298.28	5,308.72	5,296.09	27.91	24.08	30.01	-111.26	331.52	1,250.18	1,201.79	48.38	25.838		
5,594.28	5,392.55	5,398.19	5,385.55	28.21	24.44	30.03	-111.62	331.76	1,249.98	1,200.91	49.07	25.475		
5,600.00	5,398.28	5,403.49	5,390.86	28.23	24.46	30.03	-111.62	331.75	1,249.98	1,200.87	49.11	25.454		
5,700.00	5,498.28	5,508.90	5,496.26	28.56	24.89	30.00	-111.09	331.22	1,250.18	1,200.24	49.94	25.036		
5,800.00	5,598.28	5,619.77	5,607.12	28.89	25.36	29.94	-111.76	329.45	1,248.80	1,197.98	50.83	24.570		
5,900.00	5,698.28	5,709.13	5,696.45	29.22	25.73	29.87	-111.59	327.70	1,247.99	1,196.48	51.51	24.226		
6,000.00	5,798.28	5,816.01	5,803.30	29.56	26.18	29.75	-110.63	325.24	1,247.65	1,195.28	52.37	23.824		
6,095.11	5,893.39	5,899.11	5,886.39	29.88	26.53	29.69	-110.78	323.83	1,246.76	1,193.76	53.00	23.522		
6,100.00	5,898.28	5,902.54	5,889.82	29.90	26.54	29.69	-110.76	323.80	1,246.76	1,193.74	53.03	23.512		
6,200.00	5,998.28	5,983.40	5,970.67	30.24	26.86	29.66	-109.58	323.74	1,247.92	1,194.31	53.62	23.275		
6,300.00	6,098.28	6,095.42	6,082.66	30.58	27.31	29.57	-107.23	322.82	1,249.37	1,194.85	54.52	22.916		
6,400.00	6,198.28	6,196.06	6,183.30	30.92	27.72	29.52	-106.43	321.99	1,249.66	1,194.34	55.32	22.589		
6,500.00	6,298.28	6,295.12	6,282.33	31.27	28.12	29.42	-104.55	320.47	1,250.55	1,194.45	56.10	22.290		
6,600.00	6,398.28	6,389.30	6,376.50	31.62	28.50	29.37	-103.42	319.93	1,251.33	1,194.49	56.83	22.017		
6,700.00	6,498.28	6,478.19	6,465.35	31.97	28.86	29.32	-101.62	319.70	1,252.97	1,195.46	57.51	21.788		
6,794.10	6,592.38	6,546.49	6,533.53	32.31	29.12	29.48	-101.69	323.56	1,255.60	1,197.64	57.96	21.662		
6,800.00	6,598.28	6,549.87	6,536.89	32.33	29.13	-60.31	-101.73	323.93	1,255.84	1,197.86	57.98	21.660		
6,850.00	6,648.21	6,578.43	6,565.16	32.51	29.23	-60.08	-102.30	327.91	1,257.23	1,199.11	58.11	21.635		
6,900.00	6,697.79	6,613.00	6,599.02	32.69	29.36	-59.94	-103.40	334.72	1,257.54	1,199.25	58.30	21.572		
6,950.00	6,746.73	6,636.22	6,621.48	32.86	29.44	-59.95	-104.42	340.53	1,256.69	1,198.38	58.31	21.554		
7,000.00	6,794.71	6,665.70	6,649.56	33.03	29.53	-60.04	-106.07	349.35	1,254.71	1,196.33	58.37	21.495		
7,050.00	6,841.44	6,708.00	6,688.82	33.20	29.67	-60.22	-109.15	364.74	1,251.70	1,193.10	58.60	21.360		
7,100.00	6,886.64	6,726.56	6,705.74	33.35	29.73	-60.56	-110.62	372.23	1,247.32	1,188.84	58.48	21.329		
7,150.00	6,930.03	6,759.54	6,735.75	33.50	29.83	-61.07	-112.94	385.72	1,241.81	1,183.24	58.57	21.203		
7,200.00	6,971.33	6,792.29	6,765.47	33.64	29.92	-61.79	-114.88	399.33	1,235.09	1,176.43	58.66	21.056		
7,250.00	7,010.30	6,821.15	6,791.57	33.77	30.01	-62.67	-116.27	411.56	1,227.27	1,168.56	58.71	20.904		
7,300.00	7,046.69	6,847.71	6,815.41	33.89	30.09	-63.69	-117.28	423.24	1,218.60	1,159.84	58.76	20.740		
7,350.00	7,080.28	6,873.90	6,838.70	34.00	30.16	-64.85	-118.01	435.18	1,209.17	1,150.34	58.83	20.552		
7,400.00	7,110.86	6,899.00	6,860.84	34.11	30.23	-66.13	-118.47	447.01	1,199.11	1,140.16	58.95	20.341		
7,450.00	7,138.25	6,899.00	6,860.84	34.21	30.23	-66.98	-118.47	447.01	1,189.02	1,130.35	58.67	20.266		
7,500.00	7,162.27	6,932.55	6,889.56	34.32	30.32	-68.62	-118.74	464.33	1,178.21	1,119.10	59.11	19.932		
7,550.00	7,182.77	6,949.23	6,903.25	34.43	30.37	-69.92	-118.74	473.86	1,167.74	1,108.41	59.33	19.682		
7,600.00	7,199.64	6,966.01	6,916.58	34.57	30.41	-71.25	-118.65	484.04	1,157.38	1,097.73	59.66	19.400		
7,650.00	7,212.76	6,994.00	6,937.80	34.76	30.49	-72.92	-118.31	502.29	1,147.39	1,087.08	60.31	19.025		
7,700.00	7,222.06	7,004.47	6,945.47	35.02	30.52	-74.11	-118.13	509.41	1,137.46	1,076.67	60.79	18.712		
7,750.00	7,227.47	7,033.77	6,966.83	35.37	30.61	-75.92	-117.51	529.46	1,127.79	1,066.05	61.74	18.267		
7,793.42	7,229.00	7,057.88	6,984.28	35.74	30.69	-77.51	-116.87	546.07	1,119.60	1,056.96	62.64	17.874		
7,800.00	7,229.01	7,061.43	6,986.85	35.80	30.71	-77.64	-116.77	548.53	1,118.40	1,055.62	62.78	17.815		
7,900.00	7,229.11	7,122.69	7,030.15	36.91	30.99	-79.88	-114.93	591.80	1,102.81	1,037.63	65.18	16.920		
8,000.00	7,229.22	7,197.04	7,077.41	38.28	31.46	-82.33	-114.03	649.15	1,091.41	1,023.51	67.90	16.075		
8,100.00	7,229.33	7,265.67	7,114.07	39.83	32.01	-84.25	-113.88	707.10	1,083.91	1,013.30	70.61	15.350		
8,200.00	7,229.43	7,344.47	7,147.35	41.53	32.81	-86.01	-113.88	778.47	1,079.62	1,006.05	73.57	14.674		
8,300.00	7,229.54	7,447.21	7,178.91	43.36	34.06	-87.68	-114.40	876.19	1,076.98	999.98	77.00	13.986		
8,400.00	7,229.65	7,526.06	7,195.32	45.30	35.21	-88.54	-115.30	953.27	1,074.89	994.63	80.26	13.393		
8,427.24	7,229.68	7,545.55	7,198.14	45.85	35.50	-88.69	-115.24	972.55	1,074.79	993.65	81.13	13.247		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #12-5-4CHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 39-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,500.00	7,229.75	7,608.47	7,204.05	47.33	36.52	-89.00	-114.60	1,035.18	1,075.16	991.48	83.68	12.848					
8,600.00	7,229.86	7,698.23	7,209.89	49.45	38.13	-89.31	-112.46	1,124.72	1,077.08	989.64	87.44	12.318					
8,700.00	7,229.97	7,904.39	7,221.15	51.64	42.37	-89.90	-116.64	1,330.44	1,075.34	981.47	93.87	11.456					
8,800.00	7,230.07	7,980.00	7,226.52	53.89	44.13	-90.18	-121.97	1,405.67	1,068.10	970.14	97.97	10.903					
8,900.00	7,230.18	8,035.66	7,233.17	56.19	45.45	-90.54	-124.45	1,460.86	1,063.89	962.21	101.68	10.464					
8,927.51	7,230.21	8,047.79	7,235.20	56.84	45.74	-90.65	-124.52	1,472.82	1,063.69	961.08	102.61	10.366					
9,000.00	7,230.29	8,075.00	7,240.48	58.55	46.39	-90.93	-124.07	1,499.50	1,065.12	960.24	104.87	10.156					
9,100.00	7,230.39	8,150.68	7,254.85	60.94	48.25	-91.69	-120.41	1,573.70	1,070.28	961.21	109.07	9.813					
9,200.00	7,230.50	8,247.30	7,268.50	63.38	50.70	-92.40	-113.64	1,669.11	1,077.51	963.56	113.95	9.456					
9,300.00	7,230.61	8,378.00	7,277.31	65.85	54.12	-92.85	-106.05	1,799.22	1,083.36	963.35	120.01	9.028					
9,400.00	7,230.72	8,461.61	7,276.81	68.35	56.38	-92.80	-101.27	1,882.68	1,088.66	963.99	124.67	8.733					
9,500.00	7,230.82	8,547.81	7,275.97	70.87	58.73	-92.74	-95.46	1,968.68	1,095.02	965.57	129.45	8.459					
9,600.00	7,230.93	8,673.57	7,274.84	73.42	62.26	-92.66	-87.86	2,094.19	1,100.65	964.98	135.67	8.112					
9,700.00	7,231.04	8,792.96	7,274.10	75.99	65.68	-92.60	-82.63	2,213.47	1,104.73	962.99	141.75	7.794					
9,800.00	7,231.14	8,936.79	7,275.09	78.59	69.89	-92.64	-80.87	2,357.26	1,105.68	957.06	148.62	7.440					
9,900.00	7,231.25	9,031.55	7,276.26	81.19	72.71	-92.70	-81.34	2,452.01	1,104.91	950.87	154.04	7.173					
9,946.48	7,231.30	9,071.15	7,276.82	82.41	73.90	-92.72	-81.34	2,491.61	1,104.78	948.34	156.44	7.062					
10,000.00	7,231.36	9,117.42	7,278.01	83.82	75.29	-92.78	-81.10	2,537.86	1,104.96	945.74	159.22	6.940					
10,100.00	7,231.46	9,202.44	7,280.46	86.46	77.86	-92.90	-79.81	2,622.84	1,106.29	941.92	164.37	6.730					
10,200.00	7,231.57	9,299.19	7,283.24	89.11	80.80	-93.04	-77.46	2,719.52	1,108.54	938.60	169.94	6.523					
10,300.00	7,231.68	9,396.38	7,286.36	91.77	83.78	-93.19	-74.95	2,816.63	1,110.96	935.41	175.55	6.328					
10,400.00	7,231.78	9,501.43	7,287.66	94.45	87.01	-93.24	-72.18	2,921.63	1,113.34	931.87	181.47	6.135					
10,500.00	7,231.89	9,627.16	7,288.11	97.14	90.91	-93.25	-70.47	3,047.35	1,114.42	926.32	188.10	5.925					
10,600.00	7,232.00	9,781.29	7,288.81	99.83	95.74	-93.29	-73.74	3,201.42	1,112.12	916.67	195.45	5.690					
10,700.00	7,232.10	9,863.76	7,288.41	102.53	98.33	-93.28	-77.11	3,283.82	1,107.71	906.88	200.83	5.516					
10,800.00	7,232.21	9,944.67	7,288.50	105.25	100.88	-93.28	-78.97	3,364.70	1,105.09	898.95	206.14	5.361					
10,900.00	7,232.32	10,026.27	7,287.48	107.96	103.46	-93.23	-79.41	3,446.29	1,104.15	892.72	211.43	5.222					
10,906.41	7,232.32	10,031.51	7,287.41	108.14	103.63	-93.22	-79.39	3,451.54	1,104.15	892.38	211.77	5.214					
11,000.00	7,232.42	10,102.84	7,286.44	110.69	105.88	-93.17	-78.50	3,522.85	1,104.97	888.48	216.50	5.104					
11,100.00	7,232.53	10,173.61	7,285.71	113.42	108.12	-93.12	-75.83	3,593.57	1,108.34	887.10	221.24	5.010					
11,200.00	7,232.64	10,253.97	7,284.87	116.16	110.66	-93.06	-71.08	3,673.78	1,113.87	887.58	226.29	4.922					
11,300.00	7,232.74	10,356.88	7,284.18	118.90	113.91	-93.00	-64.15	3,776.45	1,120.24	887.92	232.32	4.822					
11,400.00	7,232.85	10,483.58	7,284.13	121.65	117.94	-92.97	-57.53	3,902.97	1,125.11	885.74	239.37	4.700					
11,500.00	7,232.96	10,598.79	7,283.15	124.41	121.62	-92.91	-53.70	4,018.11	1,128.05	882.13	245.91	4.587					
11,600.00	7,233.06	10,722.42	7,281.68	127.16	125.59	-92.82	-51.30	4,141.71	1,129.65	876.93	252.72	4.470					
11,700.00	7,233.17	10,844.53	7,278.75	129.92	129.52	-92.67	-51.96	4,263.78	1,128.61	869.20	259.41	4.351					
11,768.08	7,233.24	10,893.91	7,277.31	131.81	131.11	-92.59	-52.14	4,313.13	1,128.04	865.14	262.90	4.291					
11,800.00	7,233.28	10,917.06	7,276.73	132.69	131.86	-92.56	-51.95	4,336.28	1,128.17	863.65	264.52	4.265					
11,900.00	7,233.38	10,993.43	7,275.30	135.46	134.32	-92.48	-50.22	4,412.61	1,130.02	860.39	269.63	4.191					
12,000.00	7,233.49	11,091.43	7,274.56	138.23	137.48	-92.43	-46.61	4,510.55	1,133.33	857.79	275.54	4.113					
12,100.00	7,233.60	11,232.57	7,274.22	141.01	142.04	-92.40	-44.07	4,651.65	1,134.89	851.86	283.03	4.010					
12,200.00	7,233.71	11,364.90	7,270.65	143.79	146.33	-92.22	-46.61	4,783.89	1,132.42	842.43	289.99	3.905					
12,300.00	7,233.81	11,453.17	7,267.21	146.57	149.20	-92.05	-49.12	4,872.06	1,129.16	833.44	295.72	3.818					
12,400.00	7,233.92	11,545.04	7,264.36	149.35	152.19	-91.90	-50.18	4,963.88	1,127.54	826.00	301.53	3.739					
12,500.00	7,234.03	11,645.66	7,264.60	152.14	155.47	-91.91	-51.83	5,064.49	1,125.58	817.99	307.59	3.659					
12,596.75	7,234.13	11,723.00	7,264.30	154.84	157.99	-91.89	-52.59	5,141.82	1,124.40	811.57	312.83	3.594					
12,600.00	7,234.13	11,723.00	7,264.30	154.93	157.99	-91.89	-52.59	5,141.82	1,124.40	811.49	312.92	3.593					
12,700.00	7,234.24	11,723.00	7,264.30	157.72	157.99	-91.89	-52.59	5,141.82	1,129.13	814.80	314.32	3.592 SF					
12,800.00	7,234.35	11,723.00	7,264.30	160.52	157.99	-91.89	-52.59	5,141.82	1,142.62	829.21	313.41	3.646					
12,900.00	7,234.45	11,723.00	7,264.30	163.31	157.99	-91.89	-52.59	5,141.82	1,164.57	854.21	310.36	3.752					
13,000.00	7,234.56	11,723.00	7,264.30	166.11	157.99	-91.89	-52.59	5,141.82	1,194.52	889.06	305.46	3.911					
13,100.00	7,234.67	11,723.00	7,264.30	168.91	157.99	-91.89	-52.59	5,141.82	1,231.88	932.78	299.09	4.119					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,234.77	11,723.00	7,264.30	171.71	157.99	-91.89	-52.59	5,141.82	1,276.00	984.36	291.64	4.375		
13,300.00	7,234.88	11,723.00	7,264.30	174.52	157.99	-91.89	-52.59	5,141.82	1,326.21	1,042.74	283.47	4.679		
13,400.00	7,234.99	11,723.00	7,264.30	177.32	157.99	-91.89	-52.59	5,141.82	1,381.84	1,106.95	274.89	5.027		
13,500.00	7,235.09	11,723.00	7,264.30	180.13	157.99	-91.89	-52.59	5,141.82	1,442.26	1,176.11	266.16	5.419		
13,600.00	7,235.20	11,723.00	7,264.30	182.94	157.99	-91.89	-52.59	5,141.82	1,506.91	1,249.43	257.48	5.852		
13,700.00	7,235.31	11,723.00	7,264.30	185.74	157.99	-91.89	-52.59	5,141.82	1,575.25	1,326.25	249.00	6.326		
13,800.00	7,235.41	11,723.00	7,264.30	188.56	157.99	-91.89	-52.59	5,141.82	1,646.84	1,406.03	240.81	6.839		
13,900.00	7,235.52	11,723.00	7,264.30	191.37	157.99	-91.89	-52.59	5,141.82	1,721.26	1,488.28	232.98	7.388		
14,000.00	7,235.63	11,723.00	7,264.30	194.18	157.99	-91.89	-52.59	5,141.82	1,798.16	1,572.62	225.54	7.973		
14,100.00	7,235.73	11,723.00	7,264.30	197.00	157.99	-91.89	-52.59	5,141.82	1,877.24	1,658.73	218.51	8.591		
14,200.00	7,235.84	11,723.00	7,264.30	199.81	157.99	-91.89	-52.59	5,141.82	1,958.23	1,746.34	211.89	9.242		
14,300.00	7,235.95	11,723.00	7,264.30	202.63	157.99	-91.89	-52.59	5,141.82	2,040.91	1,835.24	205.67	9.923		
14,400.00	7,236.05	11,723.00	7,264.30	205.44	157.99	-91.89	-52.59	5,141.82	2,125.08	1,925.25	199.84	10.634		
14,500.00	7,236.16	11,723.00	7,264.30	208.26	157.99	-91.89	-52.59	5,141.82	2,210.57	2,016.20	194.37	11.373		
14,600.00	7,236.27	11,723.00	7,264.30	211.08	157.99	-91.89	-52.59	5,141.82	2,297.23	2,107.98	189.25	12.138		
14,700.00	7,236.37	11,723.00	7,264.30	213.90	157.99	-91.89	-52.59	5,141.82	2,384.94	2,200.47	184.47	12.929		
14,800.00	7,236.48	11,723.00	7,264.30	216.72	157.99	-91.89	-52.59	5,141.82	2,473.58	2,293.59	179.98	13.743		
14,900.00	7,236.59	11,723.00	7,264.30	219.55	157.99	-91.89	-52.59	5,141.82	2,563.05	2,387.27	175.78	14.581		
15,000.00	7,236.69	11,723.00	7,264.30	222.37	157.99	-91.89	-52.59	5,141.82	2,653.28	2,481.43	171.85	15.440		
15,100.00	7,236.80	11,723.00	7,264.30	225.19	157.99	-91.89	-52.59	5,141.82	2,744.18	2,576.02	168.16	16.319		
15,200.00	7,236.91	11,723.00	7,264.30	228.02	157.99	-91.89	-52.59	5,141.82	2,835.70	2,671.00	164.70	17.217		
15,300.00	7,237.02	11,723.00	7,264.30	230.84	157.99	-91.89	-52.59	5,141.82	2,927.77	2,766.32	161.45	18.134		
15,400.00	7,237.12	11,723.00	7,264.30	233.67	157.99	-91.89	-52.59	5,141.82	3,020.34	2,861.94	158.40	19.068		
15,500.00	7,237.23	11,723.00	7,264.30	236.50	157.99	-91.89	-52.59	5,141.82	3,113.38	2,957.85	155.53	20.018		
15,600.00	7,237.34	11,723.00	7,264.30	239.32	157.99	-91.89	-52.59	5,141.82	3,206.83	3,054.00	152.83	20.983		
15,700.00	7,237.44	11,723.00	7,264.30	242.15	157.99	-91.89	-52.59	5,141.82	3,300.67	3,150.39	150.28	21.963		
15,800.00	7,237.55	11,723.00	7,264.30	244.98	157.99	-91.89	-52.59	5,141.82	3,394.86	3,246.98	147.88	22.956		
15,900.00	7,237.66	11,723.00	7,264.30	247.81	157.99	-91.89	-52.59	5,141.82	3,489.37	3,343.75	145.62	23.962		
16,000.00	7,237.76	11,723.00	7,264.30	250.64	157.99	-91.89	-52.59	5,141.82	3,584.18	3,440.70	143.48	24.980		
16,100.00	7,237.87	11,723.00	7,264.30	253.47	157.99	-91.89	-52.59	5,141.82	3,679.27	3,537.81	141.46	26.009		
16,200.00	7,237.98	11,723.00	7,264.30	256.30	157.99	-91.89	-52.59	5,141.82	3,774.61	3,635.06	139.55	27.049		
16,300.00	7,238.08	11,723.00	7,264.30	259.13	157.99	-91.89	-52.59	5,141.82	3,870.18	3,732.45	137.74	28.098		
16,400.00	7,238.19	11,723.00	7,264.30	261.96	157.99	-91.89	-52.59	5,141.82	3,965.98	3,829.95	136.02	29.157		
16,500.00	7,238.30	11,723.00	7,264.30	264.79	157.99	-91.89	-52.59	5,141.82	4,061.97	3,927.58	134.40	30.224		
16,600.00	7,238.40	11,723.00	7,264.30	267.63	157.99	-91.89	-52.59	5,141.82	4,158.16	4,025.30	132.85	31.299		
16,700.00	7,238.51	11,723.00	7,264.30	270.46	157.99	-91.89	-52.59	5,141.82	4,254.52	4,123.13	131.39	32.381		
16,800.00	7,238.62	11,723.00	7,264.30	273.29	157.99	-91.89	-52.59	5,141.82	4,351.04	4,221.05	130.00	33.470		
16,900.00	7,238.72	11,723.00	7,264.30	276.13	157.99	-91.89	-52.59	5,141.82	4,447.72	4,319.05	128.67	34.566		
17,000.00	7,238.83	11,723.00	7,264.30	278.96	157.99	-91.89	-52.59	5,141.82	4,544.54	4,417.13	127.41	35.667		
17,100.00	7,238.94	11,723.00	7,264.30	281.80	157.99	-91.89	-52.59	5,141.82	4,641.50	4,515.28	126.22	36.774		
17,200.00	7,239.04	11,723.00	7,264.30	284.63	157.99	-91.89	-52.59	5,141.82	4,738.58	4,613.51	125.07	37.886		
17,300.00	7,239.15	11,723.00	7,264.30	287.47	157.99	-91.89	-52.59	5,141.82	4,835.79	4,711.80	123.99	39.003		
17,400.00	7,239.26	11,723.00	7,264.30	290.30	157.99	-91.89	-52.59	5,141.82	4,933.10	4,810.15	122.95	40.123		
17,500.00	7,239.36	11,723.00	7,264.30	293.14	157.99	-91.89	-52.59	5,141.82	5,030.52	4,908.56	121.96	41.248		
17,600.00	7,239.47	11,723.00	7,264.30	295.98	157.99	-91.89	-52.59	5,141.82	5,128.04	5,007.02	121.01	42.376		
17,700.00	7,239.58	11,723.00	7,264.30	298.81	157.99	-91.89	-52.59	5,141.82	5,225.65	5,105.54	120.11	43.507		
17,800.00	7,239.68	11,723.00	7,264.30	301.65	157.99	-91.89	-52.59	5,141.82	5,323.35	5,204.10	119.25	44.641		
17,900.00	7,239.79	11,723.00	7,264.30	304.49	157.99	-91.89	-52.59	5,141.82	5,421.14	5,302.71	118.43	45.777		
18,000.00	7,239.90	11,723.00	7,264.30	307.33	157.99	-91.89	-52.59	5,141.82	5,519.00	5,401.36	117.64	46.915		
18,095.23	7,240.00	11,723.00	7,264.30	310.03	157.99	-91.89	-52.59	5,141.82	5,612.27	5,495.35	116.92	48.002		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	79.30	98.74	522.51	531.80					
100.00	100.00	97.65	97.65	3.28	3.30	79.33	98.34	522.00	531.20	524.62	6.58	80.690		
200.00	200.00	200.57	200.56	3.34	3.38	79.43	97.24	521.04	530.09	523.37	6.71	78.957		
300.00	299.98	304.80	304.77	3.44	3.51	-114.49	95.91	519.37	529.00	522.05	6.95	76.068		
380.78	380.66	387.72	387.66	3.56	3.66	-114.82	94.87	517.47	528.65	521.43	7.22	73.237 CC		
400.00	399.84	407.28	407.21	3.59	3.70	-114.94	94.68	516.97	528.67	521.38	7.29	72.527 ES		
500.00	499.45	511.59	511.47	3.79	3.93	-115.81	93.92	513.81	529.29	521.57	7.72	68.551		
600.00	598.70	606.03	605.86	4.03	4.18	-116.87	93.15	510.89	531.52	523.32	8.20	64.802		
700.00	697.47	702.01	701.81	4.31	4.45	-118.13	91.85	508.88	536.43	527.68	8.76	61.259		
800.00	795.62	796.80	796.57	4.64	4.74	-119.53	90.05	507.61	543.96	534.59	9.37	58.078		
900.00	893.06	889.01	888.74	5.00	5.04	-120.99	87.60	507.42	554.53	544.52	10.01	55.378		
1,000.00	989.64	985.40	985.08	5.40	5.36	-122.61	84.32	508.12	568.10	557.38	10.72	53.002		
1,100.00	1,085.27	1,086.98	1,086.59	5.83	5.72	-124.47	80.49	508.60	583.85	572.36	11.49	50.829		
1,200.00	1,179.82	1,192.21	1,191.72	6.29	6.10	-126.60	76.19	507.26	600.64	588.33	12.31	48.790		
1,235.00	1,212.63	1,217.20	1,216.68	6.46	6.19	-127.09	75.27	507.00	607.36	594.80	12.56	48.371		
1,300.00	1,273.43	1,263.20	1,262.66	6.79	6.36	-128.18	73.77	507.41	621.58	608.57	13.01	47.786		
1,400.00	1,366.98	1,374.82	1,374.20	7.30	6.78	-130.65	70.55	509.93	645.75	631.85	13.90	46.465		
1,500.00	1,460.52	1,502.81	1,501.99	7.84	7.29	-133.43	65.20	505.59	665.17	650.28	14.89	44.682		
1,600.00	1,554.07	1,617.47	1,616.22	8.38	7.76	-135.90	59.83	497.39	682.23	666.40	15.82	43.119		
1,700.00	1,647.61	1,727.47	1,725.48	8.93	8.23	-138.11	52.48	487.03	697.19	680.45	16.75	41.631		
1,800.00	1,741.16	1,829.43	1,826.62	9.49	8.68	-139.88	43.16	478.05	712.06	694.40	17.65	40.339		
1,900.00	1,834.70	1,928.08	1,924.26	10.06	9.12	-141.28	31.28	470.61	726.74	708.18	18.56	39.163		
2,000.00	1,928.25	2,015.99	2,011.12	10.63	9.53	-142.23	18.47	466.31	742.30	722.88	19.43	38.211		
2,100.00	2,021.79	2,099.21	2,093.50	11.21	9.92	-143.07	6.95	463.68	759.86	739.58	20.27	37.481		
2,200.00	2,115.33	2,186.76	2,180.33	11.79	10.32	-143.92	-4.12	462.11	779.38	758.24	21.14	36.870		
2,300.00	2,208.88	2,283.51	2,276.45	12.37	10.76	-144.94	-14.74	459.59	799.62	777.57	22.05	36.260		
2,400.00	2,302.42	2,395.63	2,387.84	12.96	11.29	-146.11	-26.99	455.67	819.56	796.50	23.05	35.552		
2,500.00	2,395.97	2,503.81	2,495.13	13.55	11.80	-147.32	-38.94	448.69	837.49	813.46	24.03	34.858		
2,600.00	2,489.51	2,623.96	2,614.07	14.14	12.39	-148.67	-52.77	438.97	854.32	829.27	25.05	34.102		
2,700.00	2,583.06	2,723.39	2,712.28	14.74	12.89	-149.74	-65.41	429.87	869.84	843.86	25.98	33.475		
2,800.00	2,676.60	2,806.00	2,793.96	15.34	13.30	-150.59	-75.50	422.81	886.38	859.55	26.84	33.027		
2,900.00	2,770.14	2,888.38	2,875.59	15.93	13.71	-151.40	-84.79	416.81	904.73	877.05	27.68	32.683		
3,000.00	2,863.69	2,973.53	2,960.13	16.53	14.12	-152.17	-93.75	411.82	924.77	896.23	28.53	32.410		
3,100.00	2,957.23	3,070.07	3,056.05	17.13	14.59	-153.01	-103.38	406.72	945.80	916.34	29.45	32.113		
3,200.00	3,050.78	3,182.83	3,167.99	17.74	15.14	-153.96	-115.24	400.00	966.20	935.73	30.47	31.711		
3,300.00	3,144.32	3,295.06	3,279.13	18.34	15.71	-154.84	-128.75	392.34	985.08	953.60	31.48	31.289		
3,400.00	3,237.87	3,378.25	3,361.54	18.94	16.13	-155.49	-138.51	386.48	1,004.21	971.88	32.33	31.058		
3,500.00	3,331.41	3,449.92	3,432.69	19.55	16.48	-156.03	-145.84	382.13	1,025.27	992.18	33.10	30.978		
3,600.00	3,424.96	3,538.88	3,521.22	20.15	16.91	-156.68	-153.67	377.96	1,048.38	1,014.42	33.96	30.867		
3,666.72	3,487.37	3,615.30	3,597.21	20.56	17.28	-157.19	-160.83	374.50	1,063.69	1,029.02	34.66	30.686		
3,700.00	3,518.57	3,658.32	3,639.94	20.76	17.49	-157.50	-165.49	372.50	1,070.75	1,035.71	35.04	30.555		
3,800.00	3,613.09	3,807.69	3,787.53	21.34	18.26	-158.31	-186.82	364.25	1,086.40	1,050.12	36.28	29.944		
3,900.00	3,708.70	3,911.36	3,889.55	21.90	18.82	-158.71	-204.24	358.33	1,096.94	1,059.70	37.24	29.452		
4,000.00	3,805.27	3,998.35	3,975.19	22.44	19.29	-158.96	-218.78	353.57	1,104.53	1,066.42	38.11	28.984		
4,100.00	3,902.69	4,075.45	4,051.31	22.95	19.69	-159.13	-230.48	350.06	1,110.65	1,071.76	38.89	28.558		
4,200.00	4,000.84	4,151.77	4,126.91	23.43	20.08	-159.27	-240.45	347.18	1,115.70	1,076.07	39.64	28.149		
4,300.00	4,099.59	4,240.14	4,214.63	23.89	20.52	-159.36	-250.81	344.47	1,119.03	1,078.60	40.44	27.674		
4,400.00	4,198.84	4,347.70	4,321.44	24.32	21.06	-159.38	-263.05	341.19	1,119.40	1,078.04	41.36	27.065		
4,500.00	4,298.45	4,461.97	4,434.75	24.73	21.63	-159.38	-276.68	335.44	1,114.83	1,072.52	42.31	26.349		
4,600.00	4,398.30	4,556.34	4,528.40	25.11	22.11	-159.34	-287.10	330.10	1,107.44	1,064.34	43.11	25.690		
4,701.72	4,500.00	4,661.51	4,632.68	25.45	22.65	34.59	-298.93	323.43	1,096.03	1,052.08	43.95	24.940		
4,800.00	4,598.28	4,751.15	4,721.62	25.74	23.10	34.68	-308.98	318.53	1,083.90	1,039.25	44.65	24.273		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,839.59	4,809.38	26.04	23.54	34.87	-319.46	315.51	1,072.23	1,026.87	45.36	23.637		
5,000.00	4,798.28	4,920.76	4,890.07	26.34	23.94	35.05	-328.14	313.58	1,062.09	1,016.08	46.01	23.084		
5,100.00	4,898.28	5,003.78	4,972.73	26.65	24.33	35.20	-335.50	311.74	1,053.56	1,006.90	46.66	22.579		
5,200.00	4,998.28	5,082.17	5,050.92	26.96	24.69	35.29	-340.76	310.07	1,046.85	999.59	47.26	22.153		
5,300.00	5,098.28	5,152.12	5,120.80	27.27	24.99	35.35	-343.83	309.14	1,042.52	994.79	47.74	21.839		
5,400.00	5,198.28	5,232.76	5,201.43	27.59	25.32	35.41	-345.49	309.34	1,040.92	992.62	48.30	21.549		
5,500.00	5,298.28	5,323.24	5,291.90	27.91	25.68	35.40	-345.86	308.92	1,040.32	991.36	48.96	21.248		
5,504.66	5,302.94	5,327.28	5,295.94	27.92	25.69	35.40	-345.84	308.88	1,040.32	991.33	48.99	21.236		
5,600.00	5,398.28	5,412.49	5,381.13	28.23	26.01	35.31	-344.50	307.84	1,040.85	991.27	49.58	20.992		
5,700.00	5,498.28	5,509.06	5,477.65	28.56	26.35	35.16	-341.89	306.21	1,042.08	991.80	50.28	20.725		
5,800.00	5,598.28	5,610.49	5,578.99	28.89	26.72	34.94	-338.59	303.67	1,043.32	992.28	51.04	20.443		
5,900.00	5,698.28	5,708.32	5,676.79	29.22	27.07	34.83	-336.47	302.69	1,044.52	992.76	51.76	20.180		
6,000.00	5,798.28	5,804.58	5,773.03	29.56	27.42	34.88	-335.73	304.34	1,046.13	993.66	52.47	19.936		
6,100.00	5,898.28	5,931.66	5,900.10	29.90	27.89	34.86	-334.54	304.83	1,047.26	993.70	53.55	19.555		
6,181.55	5,979.83	6,004.39	5,972.83	30.17	28.18	34.85	-334.85	304.25	1,046.65	992.55	54.09	19.350		
6,200.00	5,998.28	6,019.04	5,987.48	30.24	28.24	34.84	-334.73	304.13	1,046.68	992.49	54.19	19.315		
6,300.00	6,098.28	6,121.06	6,089.49	30.58	28.63	34.78	-333.60	303.56	1,047.27	992.28	54.99	19.045		
6,400.00	6,198.28	6,212.68	6,181.10	30.92	28.98	34.73	-332.86	303.15	1,047.70	992.03	55.67	18.820		
6,500.00	6,298.28	6,307.02	6,275.42	31.27	29.33	34.63	-330.76	302.30	1,049.01	992.64	56.37	18.609		
6,600.00	6,398.28	6,393.83	6,362.20	31.62	29.64	34.59	-328.93	302.75	1,051.05	994.07	56.98	18.447		
6,700.00	6,498.28	6,462.03	6,430.35	31.97	29.88	34.62	-327.07	304.69	1,055.05	997.73	57.32	18.406		
6,794.10	6,592.38	6,519.00	6,487.09	32.31	30.08	34.75	-324.86	309.13	1,062.19	1,004.69	57.50	18.474		
6,800.00	6,598.28	6,519.00	6,487.09	32.33	30.08	-55.02	-324.86	309.13	1,062.74	1,005.29	57.45	18.500		
6,850.00	6,648.21	6,553.25	6,521.03	32.51	30.19	-54.65	-323.61	313.54	1,066.56	1,008.99	57.57	18.526		
6,900.00	6,697.79	6,585.30	6,552.55	32.69	30.30	-54.42	-322.92	319.29	1,068.95	1,011.32	57.63	18.547		
6,950.00	6,746.73	6,614.00	6,580.51	32.86	30.39	-54.33	-322.71	325.76	1,069.91	1,012.31	57.61	18.572		
7,000.00	6,794.71	6,642.78	6,608.24	33.03	30.48	-54.36	-322.69	333.47	1,069.58	1,012.02	57.56	18.583		
7,050.00	6,841.44	6,669.81	6,633.95	33.20	30.57	-54.53	-322.70	341.80	1,068.08	1,010.63	57.44	18.594		
7,100.00	6,886.64	6,701.08	6,663.06	33.35	30.66	-54.81	-323.29	353.16	1,065.25	1,007.86	57.40	18.560		
7,150.00	6,930.03	6,735.92	6,694.64	33.50	30.75	-55.21	-324.78	367.81	1,060.98	1,003.56	57.42	18.477		
7,200.00	6,971.33	6,771.94	6,726.59	33.64	30.85	-55.78	-326.81	384.29	1,055.14	997.66	57.48	18.358		
7,250.00	7,010.30	6,804.00	6,754.42	33.77	30.94	-56.50	-329.03	400.07	1,047.76	990.30	57.46	18.236		
7,300.00	7,046.69	6,829.91	6,776.49	33.89	31.00	-57.34	-330.78	413.53	1,039.22	981.90	57.32	18.129		
7,350.00	7,080.28	6,853.14	6,795.99	34.00	31.05	-58.32	-332.01	426.09	1,029.85	972.69	57.16	18.016		
7,400.00	7,110.86	6,876.18	6,815.04	34.11	31.11	-59.44	-332.93	439.00	1,019.72	962.67	57.05	17.873		
7,450.00	7,138.25	6,899.00	6,833.63	34.21	31.16	-60.70	-333.52	452.23	1,008.92	951.91	57.01	17.697		
7,500.00	7,162.27	6,923.46	6,853.13	34.32	31.21	-62.13	-333.97	466.98	997.52	940.40	57.12	17.463		
7,550.00	7,182.77	6,947.89	6,872.07	34.43	31.25	-63.68	-334.34	482.41	985.61	928.26	57.35	17.186		
7,600.00	7,199.64	6,972.23	6,890.37	34.57	31.30	-65.34	-334.64	498.45	973.30	915.59	57.71	16.867		
7,650.00	7,212.76	6,994.00	6,906.24	34.76	31.34	-67.04	-334.86	513.35	960.74	902.59	58.14	16.523		
7,700.00	7,222.06	7,020.49	6,924.96	35.02	31.38	-68.98	-335.00	532.09	948.07	889.17	58.90	16.097		
7,750.00	7,227.47	7,044.18	6,941.16	35.37	31.42	-70.92	-334.99	549.37	935.49	875.75	59.74	15.660		
7,793.42	7,229.00	7,064.46	6,954.62	35.74	31.45	-72.64	-334.88	564.54	924.78	864.19	60.59	15.262		
7,800.00	7,229.01	7,067.52	6,956.62	35.80	31.45	-72.76	-334.85	566.86	923.20	862.47	60.73	15.201		
7,900.00	7,229.11	7,122.63	6,991.08	36.91	31.52	-74.90	-334.20	609.84	902.32	839.11	63.21	14.274		
8,000.00	7,229.22	7,189.98	7,029.36	38.28	31.61	-77.31	-333.58	665.25	886.64	820.52	66.12	13.410		
8,100.00	7,229.33	7,276.30	7,071.63	39.83	32.41	-80.01	-334.11	740.46	874.66	805.14	69.51	12.583		
8,200.00	7,229.43	7,374.51	7,110.95	41.53	33.56	-82.55	-337.09	830.36	864.50	791.30	73.20	11.810		
8,300.00	7,229.54	7,450.75	7,134.59	43.36	34.63	-84.09	-340.01	902.75	856.39	779.80	76.59	11.182		
8,400.00	7,229.65	7,533.66	7,150.08	45.30	35.93	-85.10	-342.72	984.05	850.94	770.84	80.10	10.623		
8,500.00	7,229.75	7,623.80	7,155.04	47.33	37.53	-85.41	-345.47	1,074.00	847.13	763.32	83.81	10.107		
8,600.00	7,229.86	7,710.96	7,158.48	49.45	39.16	-85.63	-347.35	1,161.07	844.39	756.80	87.60	9.640		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,651.17	7,229.92	7,747.18	7,159.32	50.57	39.89	-85.68	-347.49	1,197.28	843.94	754.50	89.44	9.436		
8,700.00	7,229.97	7,781.75	7,159.63	51.64	40.60	-85.70	-347.07	1,231.85	844.35	753.18	91.17	9.261		
8,800.00	7,230.07	7,870.88	7,158.96	53.89	42.51	-85.66	-344.61	1,320.94	846.82	751.54	95.28	8.887		
8,900.00	7,230.18	7,968.49	7,156.66	56.19	44.74	-85.51	-341.39	1,418.47	849.99	750.23	99.76	8.521		
9,000.00	7,230.29	8,058.70	7,154.23	58.55	46.89	-85.36	-337.91	1,508.58	853.74	749.58	104.16	8.196		
9,100.00	7,230.39	8,152.36	7,153.46	60.94	49.21	-85.32	-333.15	1,602.11	858.56	749.73	108.83	7.889		
9,200.00	7,230.50	8,251.80	7,153.96	63.38	51.76	-85.38	-327.61	1,701.39	863.76	749.94	113.82	7.589		
9,300.00	7,230.61	8,348.10	7,155.24	65.85	54.31	-85.48	-322.06	1,797.53	869.10	750.26	118.83	7.314		
9,400.00	7,230.72	8,454.10	7,156.52	68.35	57.18	-85.59	-315.98	1,903.34	874.41	750.13	124.29	7.036		
9,500.00	7,230.82	8,560.23	7,156.91	70.87	61.00	-85.62	-312.31	2,039.41	876.59	745.74	130.85	6.699		
9,600.00	7,230.93	8,669.28	7,157.26	73.42	63.83	-85.64	-311.32	2,138.46	877.25	741.02	136.24	6.439		
9,700.00	7,231.04	8,783.66	7,157.09	75.99	66.57	-85.63	-309.89	2,232.82	878.47	736.95	141.51	6.208		
9,800.00	7,231.14	8,895.09	7,157.06	78.59	69.56	-85.63	-307.95	2,334.23	880.07	732.98	147.09	5.983		
9,900.00	7,231.25	8,987.22	7,157.21	81.19	72.59	-85.64	-306.54	2,436.35	881.12	728.38	152.74	5.769		
10,000.00	7,231.36	9,084.49	7,156.80	83.82	75.51	-85.61	-305.04	2,533.61	882.37	724.12	158.26	5.576		
10,100.00	7,231.46	9,179.08	7,153.99	86.46	78.38	-85.43	-303.41	2,628.14	884.02	720.36	163.66	5.402		
10,200.00	7,231.57	9,281.63	7,151.59	89.11	81.50	-85.28	-301.12	2,730.64	886.13	716.73	169.40	5.231		
10,300.00	7,231.68	9,380.48	7,151.81	91.77	84.53	-85.29	-299.19	2,829.46	887.75	712.66	175.08	5.070		
10,400.00	7,231.78	9,467.85	7,152.99	94.45	87.23	-85.37	-296.69	2,916.79	890.20	709.82	180.37	4.935		
10,500.00	7,231.89	9,571.22	7,154.99	97.14	90.43	-85.51	-292.56	3,020.06	893.73	707.40	186.33	4.796		
10,600.00	7,232.00	9,694.56	7,154.53	99.83	94.28	-85.49	-290.16	3,143.37	895.40	702.40	193.00	4.639		
10,700.00	7,232.10	9,773.85	7,153.90	102.53	96.76	-85.45	-288.79	3,222.64	896.88	698.84	198.04	4.529		
10,800.00	7,232.21	9,876.40	7,153.25	105.25	99.98	-85.41	-285.77	3,325.14	899.56	695.58	203.97	4.410		
10,900.00	7,232.32	9,966.80	7,153.09	107.96	102.83	-85.41	-282.99	3,415.49	902.33	692.89	209.44	4.308		
11,000.00	7,232.42	10,094.64	7,154.22	110.69	106.88	-85.48	-280.32	3,543.29	903.99	687.56	216.43	4.177		
11,100.00	7,232.53	10,184.58	7,154.21	113.42	109.74	-85.48	-279.26	3,633.22	904.85	682.90	221.96	4.077		
11,200.00	7,232.64	10,279.21	7,153.60	116.16	112.75	-85.44	-277.26	3,727.82	906.70	679.05	227.65	3.983		
11,300.00	7,232.74	10,401.75	7,154.48	118.90	116.67	-85.50	-275.63	3,850.35	907.70	673.27	234.43	3.872		
11,400.00	7,232.85	10,509.55	7,153.12	121.65	120.13	-85.39	-277.03	3,958.13	906.14	665.55	240.59	3.766		
11,500.00	7,232.96	10,601.84	7,151.06	124.41	123.09	-85.25	-277.68	4,050.39	905.31	659.08	246.23	3.677		
11,573.14	7,233.04	10,670.51	7,150.36	126.42	125.30	-85.20	-277.72	4,119.05	905.10	654.69	250.41	3.614		
11,600.00	7,233.06	10,695.17	7,150.11	127.16	126.10	-85.19	-277.63	4,143.71	905.13	653.21	251.93	3.593		
11,700.00	7,233.17	10,794.83	7,149.01	129.92	129.31	-85.11	-276.94	4,243.36	905.61	647.76	257.85	3.512		
11,800.00	7,233.28	10,886.71	7,149.85	132.69	132.28	-85.16	-276.24	4,335.23	906.01	642.46	263.55	3.438		
11,900.00	7,233.38	11,004.53	7,152.49	135.46	136.08	-85.33	-274.35	4,453.00	907.27	637.01	270.26	3.357		
12,000.00	7,233.49	11,118.22	7,153.84	138.23	139.77	-85.39	-275.97	4,566.67	905.41	628.69	276.72	3.272		
12,100.00	7,233.60	11,211.07	7,154.05	141.01	142.79	-85.39	-277.44	4,659.51	903.49	620.98	282.51	3.198		
12,200.00	7,233.71	11,307.83	7,153.45	143.79	145.93	-85.34	-278.47	4,756.26	902.18	613.78	288.40	3.128		
12,298.14	7,233.81	11,395.62	7,152.73	146.52	148.79	-85.29	-278.77	4,844.05	901.60	607.68	293.92	3.067		
12,300.00	7,233.81	11,397.28	7,152.71	146.57	148.84	-85.29	-278.77	4,845.71	901.60	607.57	294.03	3.066		
12,400.00	7,233.92	11,488.91	7,151.34	149.35	151.82	-85.19	-278.14	4,937.33	902.10	602.41	299.69	3.010		
12,500.00	7,234.03	11,578.43	7,149.46	152.14	154.73	-85.08	-276.66	5,026.82	903.62	598.39	305.22	2.961		
12,600.00	7,234.13	11,650.00	7,147.72	154.93	157.06	-84.97	-274.93	5,098.34	906.32	596.50	309.82	2.925 SF		
12,700.00	7,234.24	11,650.00	7,147.72	157.72	157.06	-84.97	-274.93	5,098.34	917.02	608.25	308.77	2.970		
12,800.00	7,234.35	11,650.00	7,147.72	160.52	157.06	-84.97	-274.93	5,098.34	938.32	633.89	304.43	3.082		
12,900.00	7,234.45	11,650.00	7,147.72	163.31	157.06	-84.97	-274.93	5,098.34	969.51	672.12	297.39	3.260		
13,000.00	7,234.56	11,650.00	7,147.72	166.11	157.06	-84.97	-274.93	5,098.34	1,009.69	721.33	288.35	3.502		
13,100.00	7,234.67	11,650.00	7,147.72	168.91	157.06	-84.97	-274.93	5,098.34	1,057.82	779.77	278.04	3.805		
13,200.00	7,234.77	11,650.00	7,147.72	171.71	157.06	-84.97	-274.93	5,098.34	1,112.87	845.78	267.09	4.167		
13,300.00	7,234.88	11,650.00	7,147.72	174.52	157.06	-84.97	-274.93	5,098.34	1,173.88	917.89	256.00	4.586		
13,400.00	7,234.99	11,650.00	7,147.72	177.32	157.06	-84.97	-274.93	5,098.34	1,239.97	994.86	245.11	5.059		
13,500.00	7,235.09	11,650.00	7,147.72	180.13	157.06	-84.97	-274.93	5,098.34	1,310.35	1,075.71	234.65	5.584		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,600.00	7,235.20	11,650.00	7,147.72	182.94	157.06	-84.97	-274.93	5,098.34	1,384.39	1,159.63	224.76	6.159		
13,700.00	7,235.31	11,650.00	7,147.72	185.74	157.06	-84.97	-274.93	5,098.34	1,461.53	1,246.02	215.51	6.782		
13,800.00	7,235.41	11,650.00	7,147.72	188.56	157.06	-84.97	-274.93	5,098.34	1,541.29	1,334.37	206.92	7.449		
13,900.00	7,235.52	11,650.00	7,147.72	191.37	157.06	-84.97	-274.93	5,098.34	1,623.29	1,424.32	198.97	8.158		
14,000.00	7,235.63	11,650.00	7,147.72	194.18	157.06	-84.97	-274.93	5,098.34	1,707.22	1,515.57	191.65	8.908		
14,100.00	7,235.73	11,650.00	7,147.72	197.00	157.06	-84.97	-274.93	5,098.34	1,792.79	1,607.89	184.90	9.696		
14,200.00	7,235.84	11,650.00	7,147.72	199.81	157.06	-84.97	-274.93	5,098.34	1,879.79	1,701.09	178.70	10.519		
14,300.00	7,235.95	11,650.00	7,147.72	202.63	157.06	-84.97	-274.93	5,098.34	1,968.03	1,795.03	173.00	11.376		
14,400.00	7,236.05	11,650.00	7,147.72	205.44	157.06	-84.97	-274.93	5,098.34	2,057.34	1,889.59	167.75	12.264		
14,500.00	7,236.16	11,650.00	7,147.72	208.26	157.06	-84.97	-274.93	5,098.34	2,147.59	1,984.67	162.92	13.182		
14,600.00	7,236.27	11,650.00	7,147.72	211.08	157.06	-84.97	-274.93	5,098.34	2,238.68	2,080.21	158.47	14.127		
14,700.00	7,236.37	11,650.00	7,147.72	213.90	157.06	-84.97	-274.93	5,098.34	2,330.49	2,176.14	154.36	15.098		
14,800.00	7,236.48	11,650.00	7,147.72	216.72	157.06	-84.97	-274.93	5,098.34	2,422.95	2,272.40	150.56	16.093		
14,900.00	7,236.59	11,650.00	7,147.72	219.55	157.06	-84.97	-274.93	5,098.34	2,515.99	2,368.95	147.04	17.111		
15,000.00	7,236.69	11,650.00	7,147.72	222.37	157.06	-84.97	-274.93	5,098.34	2,609.55	2,465.76	143.79	18.149		
15,100.00	7,236.80	11,650.00	7,147.72	225.19	157.06	-84.97	-274.93	5,098.34	2,703.56	2,562.79	140.77	19.206		
15,200.00	7,236.91	11,650.00	7,147.72	228.02	157.06	-84.97	-274.93	5,098.34	2,797.99	2,660.03	137.96	20.281		
15,300.00	7,237.02	11,650.00	7,147.72	230.84	157.06	-84.97	-274.93	5,098.34	2,892.80	2,757.44	135.35	21.372		
15,400.00	7,237.12	11,650.00	7,147.72	233.67	157.06	-84.97	-274.93	5,098.34	2,987.94	2,855.02	132.92	22.479		
15,500.00	7,237.23	11,650.00	7,147.72	236.50	157.06	-84.97	-274.93	5,098.34	3,083.39	2,952.73	130.66	23.599		
15,600.00	7,237.34	11,650.00	7,147.72	239.32	157.06	-84.97	-274.93	5,098.34	3,179.12	3,050.58	128.54	24.733		
15,700.00	7,237.44	11,650.00	7,147.72	242.15	157.06	-84.97	-274.93	5,098.34	3,275.11	3,148.54	126.56	25.878		
15,800.00	7,237.55	11,650.00	7,147.72	244.98	157.06	-84.97	-274.93	5,098.34	3,371.33	3,246.62	124.71	27.033		
15,900.00	7,237.66	11,650.00	7,147.72	247.81	157.06	-84.97	-274.93	5,098.34	3,467.76	3,344.78	122.97	28.199		
16,000.00	7,237.76	11,650.00	7,147.72	250.64	157.06	-84.97	-274.93	5,098.34	3,564.39	3,443.04	121.35	29.373		
16,100.00	7,237.87	11,650.00	7,147.72	253.47	157.06	-84.97	-274.93	5,098.34	3,661.20	3,541.38	119.82	30.556		
16,200.00	7,237.98	11,650.00	7,147.72	256.30	157.06	-84.97	-274.93	5,098.34	3,758.18	3,639.79	118.38	31.746		
16,300.00	7,238.08	11,650.00	7,147.72	259.13	157.06	-84.97	-274.93	5,098.34	3,855.31	3,738.28	117.03	32.942		
16,400.00	7,238.19	11,650.00	7,147.72	261.96	157.06	-84.97	-274.93	5,098.34	3,952.58	3,836.82	115.76	34.145		
16,500.00	7,238.30	11,650.00	7,147.72	264.79	157.06	-84.97	-274.93	5,098.34	4,049.99	3,935.43	114.56	35.352		
16,600.00	7,238.40	11,650.00	7,147.72	267.63	157.06	-84.97	-274.93	5,098.34	4,147.52	4,034.09	113.43	36.564		
16,700.00	7,238.51	11,650.00	7,147.72	270.46	157.06	-84.97	-274.93	5,098.34	4,245.17	4,132.81	112.36	37.781		
16,800.00	7,238.62	11,650.00	7,147.72	273.29	157.06	-84.97	-274.93	5,098.34	4,342.92	4,231.57	111.35	39.001		
16,900.00	7,238.72	11,650.00	7,147.72	276.13	157.06	-84.97	-274.93	5,098.34	4,440.77	4,330.37	110.40	40.224		
17,000.00	7,238.83	11,650.00	7,147.72	278.96	157.06	-84.97	-274.93	5,098.34	4,538.72	4,429.22	109.50	41.450		
17,100.00	7,238.94	11,650.00	7,147.72	281.80	157.06	-84.97	-274.93	5,098.34	4,636.76	4,528.11	108.65	42.677		
17,200.00	7,239.04	11,650.00	7,147.72	284.63	157.06	-84.97	-274.93	5,098.34	4,734.87	4,627.03	107.84	43.907		
17,300.00	7,239.15	11,650.00	7,147.72	287.47	157.06	-84.97	-274.93	5,098.34	4,833.07	4,725.99	107.07	45.138		
17,400.00	7,239.26	11,650.00	7,147.72	290.30	157.06	-84.97	-274.93	5,098.34	4,931.33	4,824.99	106.35	46.371		
17,500.00	7,239.36	11,650.00	7,147.72	293.14	157.06	-84.97	-274.93	5,098.34	5,029.67	4,924.01	105.66	47.604		
17,600.00	7,239.47	11,650.00	7,147.72	295.98	157.06	-84.97	-274.93	5,098.34	5,128.07	5,023.06	105.00	48.837		
17,700.00	7,239.58	11,650.00	7,147.72	298.81	157.06	-84.97	-274.93	5,098.34	5,226.53	5,122.15	104.38	50.071		
17,800.00	7,239.68	11,650.00	7,147.72	301.65	157.06	-84.97	-274.93	5,098.34	5,325.04	5,221.25	103.79	51.305		
17,900.00	7,239.79	11,650.00	7,147.72	304.49	157.06	-84.97	-274.93	5,098.34	5,423.62	5,320.38	103.23	52.539		
18,000.00	7,239.90	11,650.00	7,147.72	307.33	157.06	-84.97	-274.93	5,098.34	5,522.24	5,419.54	102.70	53.772		
18,095.23	7,240.00	11,650.00	7,147.72	310.03	157.06	-84.97	-274.93	5,098.34	5,616.20	5,513.99	102.21	54.945		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	71.88	173.42	530.02	557.72					
100.00	100.00	99.93	99.92	3.28	3.29	71.89	173.19	529.45	557.10	550.52	6.57	84.759		
200.00	200.00	203.03	203.01	3.34	3.32	71.89	172.56	527.74	555.33	548.67	6.66	83.382		
268.37	268.36	268.41	268.39	3.40	3.38	-122.05	172.61	526.67	554.71	547.93	6.78	81.811 CC, ES		
300.00	299.98	297.87	297.84	3.44	3.41	-122.16	172.82	526.27	554.87	548.02	6.85	80.998		
400.00	399.84	391.64	391.59	3.59	3.54	-122.72	174.37	525.44	557.37	550.24	7.13	78.136		
500.00	499.45	483.35	483.23	3.79	3.71	-123.66	177.85	524.99	562.97	555.46	7.50	75.022		
600.00	598.70	572.99	572.63	4.03	3.91	-125.03	184.37	525.05	572.53	564.57	7.95	71.984		
700.00	697.47	668.32	667.60	4.31	4.16	-126.77	192.66	525.30	585.40	576.91	8.48	68.995		
800.00	795.62	762.66	761.57	4.64	4.44	-128.60	200.86	525.88	601.41	592.33	9.08	66.259		
900.00	893.06	853.27	851.72	5.00	4.73	-130.55	210.03	526.14	620.86	611.15	9.71	63.911		
1,000.00	989.64	937.57	935.25	5.40	5.03	-132.60	221.34	526.00	644.85	634.47	10.38	62.121		
1,100.00	1,085.27	1,024.56	1,021.05	5.83	5.37	-134.94	235.60	525.03	673.37	662.28	11.10	60.690		
1,200.00	1,179.82	1,107.06	1,102.16	6.29	5.72	-137.21	250.68	523.63	706.55	694.73	11.82	59.758		
1,235.00	1,212.63	1,137.90	1,132.43	6.46	5.86	-138.06	256.51	523.09	719.26	707.17	12.10	59.465		
1,300.00	1,273.43	1,195.73	1,189.25	6.79	6.12	-139.92	267.23	522.07	743.60	731.00	12.60	59.026		
1,400.00	1,366.98	1,278.10	1,270.20	7.30	6.50	-142.39	282.44	520.75	782.41	769.06	13.34	58.634		
1,500.00	1,460.52	1,367.76	1,358.30	7.84	6.93	-144.84	299.01	519.42	822.71	808.57	14.14	58.191		
1,600.00	1,554.07	1,470.93	1,459.87	8.38	7.42	-147.38	316.99	517.21	863.16	848.14	15.02	57.455		
1,700.00	1,647.61	1,553.48	1,541.27	8.93	7.83	-149.22	330.54	514.94	903.60	887.81	15.79	57.219		
1,800.00	1,741.16	1,652.53	1,638.89	9.49	8.31	-151.26	347.06	512.27	945.17	928.49	16.67	56.691		
1,900.00	1,834.70	1,733.20	1,718.50	10.06	8.71	-152.79	359.79	509.53	986.48	969.04	17.44	56.574		
2,000.00	1,928.25	1,807.43	1,791.65	10.63	9.09	-154.09	372.28	507.81	1,029.72	1,011.56	18.15	56.720		
2,100.00	2,021.79	1,886.12	1,869.23	11.21	9.49	-155.32	385.48	507.15	1,074.27	1,055.37	18.90	56.836		
2,200.00	2,115.33	1,963.13	1,945.08	11.79	9.88	-156.42	398.73	507.10	1,119.98	1,100.34	19.63	57.047		
2,300.00	2,208.88	2,033.32	2,014.08	12.37	10.26	-157.38	411.62	507.23	1,167.04	1,146.73	20.31	57.457		
2,400.00	2,302.42	2,135.17	2,114.04	12.96	10.80	-158.72	431.14	506.75	1,214.84	1,193.59	21.25	57.161		
2,500.00	2,395.97	2,254.74	2,231.67	13.55	11.44	-160.23	452.21	503.18	1,260.58	1,238.24	22.35	56.414		
2,600.00	2,489.51	2,314.55	2,290.44	14.14	11.77	-160.97	463.07	500.79	1,306.73	1,283.77	22.96	56.922		
2,700.00	2,583.06	2,395.40	2,369.67	14.74	12.21	-161.92	478.95	497.95	1,354.54	1,330.80	23.74	57.056		
2,800.00	2,676.60	2,484.07	2,456.76	15.34	12.70	-162.85	495.49	495.72	1,402.33	1,377.74	24.59	57.024		
2,900.00	2,770.14	2,555.01	2,526.46	15.93	13.09	-163.52	508.60	494.51	1,450.61	1,425.32	25.29	57.367		
3,000.00	2,863.69	2,619.00	2,589.19	16.53	13.45	-164.07	521.21	494.43	1,500.57	1,474.65	25.92	57.903		
3,100.00	2,957.23	2,696.24	2,664.79	17.13	13.89	-164.70	537.05	494.72	1,551.56	1,524.89	26.66	58.190		
3,200.00	3,050.78	2,787.59	2,754.19	17.74	14.41	-165.43	555.83	494.37	1,602.49	1,574.94	27.55	58.172		
3,300.00	3,144.32	2,884.43	2,848.98	18.34	14.97	-166.18	575.57	493.04	1,653.09	1,624.60	28.49	58.030		
3,400.00	3,237.87	2,973.06	2,935.79	18.94	15.48	-166.84	593.38	491.29	1,703.40	1,674.05	29.35	58.035		
3,500.00	3,331.41	3,070.68	3,031.50	19.55	16.03	-167.50	612.53	489.45	1,753.52	1,723.22	30.30	57.869		
3,600.00	3,424.96	3,165.05	3,124.12	20.15	16.57	-168.11	630.48	487.42	1,803.19	1,771.97	31.22	57.758		
3,666.72	3,487.37	3,228.31	3,186.30	20.56	16.92	-168.48	642.08	486.42	1,836.18	1,804.34	31.84	57.676		
3,700.00	3,518.57	3,260.08	3,217.52	20.76	17.10	-168.74	647.88	485.76	1,852.41	1,820.27	32.14	57.630		
3,800.00	3,613.09	3,344.42	3,300.47	21.34	17.56	-169.37	663.08	484.43	1,899.21	1,866.25	32.95	57.632		
3,900.00	3,708.70	3,433.34	3,388.01	21.90	18.05	-169.91	678.70	484.38	1,943.17	1,909.38	33.79	57.501		
4,000.00	3,805.27	3,529.66	3,482.85	22.44	18.58	-170.42	695.51	484.22	1,983.95	1,949.27	34.69	57.194		
4,100.00	3,902.69	3,643.37	3,594.92	22.95	19.20	-170.92	714.74	483.67	2,021.06	1,985.33	35.73	56.567		
4,200.00	4,000.84	3,707.23	3,657.85	23.43	19.55	-171.23	725.58	483.18	2,054.97	2,018.67	36.30	56.605		
4,300.00	4,099.59	3,773.15	3,722.61	23.89	19.92	-171.52	737.92	482.87	2,087.23	2,050.35	36.88	56.597		
4,400.00	4,198.84	3,860.45	3,808.22	24.32	20.42	-171.85	754.99	482.33	2,116.98	2,079.34	37.64	56.237		
4,500.00	4,298.45	3,963.92	3,909.63	24.73	21.02	-172.20	775.50	481.16	2,143.54	2,104.99	38.55	55.600		
4,600.00	4,398.30	4,081.28	4,024.80	25.11	21.69	-172.57	797.98	478.92	2,165.87	2,126.29	39.58	54.721		
4,701.72	4,500.00	4,212.31	4,153.51	25.45	22.43	20.89	822.24	475.69	2,184.45	2,143.76	40.70	53.676		
4,800.00	4,598.28	4,279.19	4,219.26	25.74	22.81	20.73	834.33	473.88	2,200.24	2,159.05	41.19	53.411		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,361.91	4,300.48	26.04	23.28	20.58	850.04	473.55	2,217.85	2,176.01	41.84	53.007		
5,000.00	4,798.28	4,479.56	4,416.11	26.34	23.94	20.36	871.75	472.77	2,234.93	2,192.11	42.82	52.195		
5,100.00	4,898.28	4,599.83	4,534.40	26.65	24.62	20.12	893.37	470.91	2,251.32	2,207.50	43.82	51.374		
5,200.00	4,998.28	4,672.22	4,605.61	26.96	25.02	19.98	906.33	469.87	2,267.72	2,223.33	44.38	51.094		
5,300.00	5,098.28	4,778.78	4,710.38	27.27	25.62	19.81	925.80	469.61	2,284.86	2,239.60	45.26	50.478		
5,400.00	5,198.28	4,885.20	4,815.11	27.59	26.22	19.63	944.63	468.81	2,301.31	2,255.16	46.15	49.871		
5,500.00	5,298.28	5,009.80	4,937.84	27.91	26.90	19.40	966.08	466.95	2,317.06	2,269.87	47.19	49.098		
5,600.00	5,398.28	5,106.15	5,032.89	28.23	27.43	19.25	981.79	466.02	2,332.17	2,284.18	47.98	48.602		
5,700.00	5,498.28	5,177.22	5,102.89	28.56	27.82	19.13	994.08	465.21	2,348.15	2,299.60	48.55	48.366		
5,800.00	5,598.28	5,296.45	5,220.29	28.89	28.48	18.91	1,014.78	463.00	2,363.95	2,314.39	49.56	47.699		
5,900.00	5,698.28	5,372.84	5,295.40	29.22	28.91	18.76	1,028.51	460.91	2,380.12	2,329.94	50.18	47.430		
6,000.00	5,798.28	5,455.35	5,376.48	29.56	29.38	18.61	1,043.72	459.51	2,397.09	2,346.23	50.86	47.131		
6,100.00	5,898.28	5,510.70	5,529.47	29.90	30.24	18.37	1,070.66	458.08	2,413.30	2,361.10	52.20	46.230		
6,200.00	5,998.28	6,049.15	5,965.34	30.24	32.27	17.89	1,113.25	451.12	2,424.48	2,369.08	55.40	43.762		
6,300.00	6,098.28	6,191.60	6,107.78	30.58	32.73	17.91	1,112.49	451.52	2,423.80	2,367.45	56.35	43.015		
6,400.00	6,198.28	6,286.44	6,202.62	30.92	33.04	17.92	1,111.88	451.77	2,423.27	2,366.20	57.07	42.465		
6,470.88	6,269.15	6,345.98	6,262.15	31.17	33.23	17.94	1,111.37	452.72	2,423.04	2,365.50	57.55	42.106		
6,500.00	6,298.28	6,367.56	6,283.73	31.27	33.31	17.95	1,111.26	453.16	2,423.09	2,365.36	57.73	41.973		
6,600.00	6,398.28	6,410.00	6,326.15	31.62	33.45	17.98	1,111.21	454.18	2,424.21	2,366.01	58.20	41.653		
6,700.00	6,498.28	6,467.55	6,383.56	31.97	33.64	18.06	1,111.59	457.97	2,427.27	2,368.54	58.72	41.334		
6,794.10	6,592.38	6,505.00	6,420.68	32.31	33.77	18.17	1,112.17	462.89	2,432.54	2,373.43	59.10	41.157		
6,800.00	6,598.28	6,505.00	6,420.68	32.33	33.77	-71.62	1,112.17	462.89	2,432.94	2,373.82	59.11	41.158		
6,850.00	6,648.21	6,505.00	6,420.68	32.51	33.77	-71.34	1,112.17	462.89	2,436.19	2,377.03	59.16	41.179		
6,900.00	6,697.79	6,505.00	6,420.68	32.69	33.77	-71.08	1,112.17	462.89	2,439.21	2,380.03	59.18	41.219		
6,950.00	6,746.73	6,505.00	6,420.68	32.86	33.77	-70.84	1,112.17	462.89	2,441.98	2,382.82	59.16	41.279		
7,000.00	6,794.71	6,550.05	6,464.61	33.03	33.93	-70.75	1,113.66	472.64	2,442.59	2,383.14	59.45	41.085		
7,050.00	6,841.44	6,560.98	6,475.06	33.20	33.97	-70.67	1,114.21	475.80	2,443.79	2,384.31	59.48	41.085		
7,100.00	6,886.64	6,600.00	6,511.46	33.35	34.11	-70.72	1,116.77	489.55	2,445.23	2,385.51	59.72	40.944		
7,150.00	6,930.03	6,600.00	6,511.46	33.50	34.11	-70.74	1,116.77	489.55	2,444.97	2,385.33	59.64	40.993		
7,200.00	6,971.33	6,600.00	6,511.46	33.64	34.11	-70.78	1,116.77	489.55	2,444.45	2,384.89	59.55	41.045		
7,250.00	7,010.30	6,712.17	6,614.56	33.77	34.50	-71.67	1,123.47	533.20	2,443.01	2,382.59	60.42	40.435		
7,300.00	7,046.69	6,769.46	6,667.63	33.89	34.69	-72.48	1,126.00	554.61	2,439.21	2,378.37	60.84	40.091		
7,350.00	7,080.28	6,885.54	6,767.40	34.00	35.00	-73.73	1,123.30	613.21	2,433.25	2,371.52	61.73	39.417		
7,400.00	7,110.86	6,905.69	6,783.32	34.11	35.04	-74.45	1,121.93	625.50	2,426.24	2,364.30	61.94	39.168		
7,450.00	7,138.25	6,932.00	6,803.62	34.21	35.09	-75.28	1,120.25	642.14	2,418.81	2,356.57	62.24	38.862		
7,500.00	7,162.27	6,945.19	6,813.60	34.32	35.12	-76.07	1,119.47	650.74	2,410.99	2,348.48	62.51	38.572		
7,550.00	7,182.77	6,963.75	6,827.38	34.43	35.16	-76.96	1,118.45	663.12	2,402.90	2,340.02	62.87	38.219		
7,600.00	7,199.64	6,980.00	6,839.20	34.57	35.19	-77.87	1,117.63	674.24	2,394.60	2,331.31	63.29	37.838		
7,650.00	7,212.76	7,005.06	6,856.93	34.76	35.25	-78.92	1,116.42	691.91	2,386.12	2,322.27	63.85	37.369		
7,700.00	7,222.06	7,027.00	6,871.90	35.02	35.30	-79.96	1,115.37	707.91	2,377.51	2,313.05	64.46	36.881		
7,750.00	7,227.47	7,045.91	6,884.37	35.37	35.34	-81.00	1,114.48	722.11	2,368.90	2,303.76	65.13	36.370		
7,793.42	7,229.00	7,061.84	6,894.51	35.74	35.38	-81.90	1,113.78	734.36	2,361.49	2,295.74	65.76	35.912		
7,800.00	7,229.01	7,064.25	6,896.02	35.80	35.38	-81.94	1,113.67	736.24	2,360.39	2,294.53	65.86	35.841		
7,900.00	7,229.11	7,092.03	6,912.84	36.91	35.45	-82.34	1,112.61	758.32	2,345.23	2,277.82	67.42	34.788		
8,000.00	7,229.22	7,122.00	6,929.74	38.28	35.53	-82.75	1,112.01	783.05	2,333.41	2,264.21	69.20	33.718		
8,100.00	7,229.33	7,170.00	6,955.21	39.83	35.68	-83.38	1,111.65	823.74	2,324.49	2,253.12	71.37	32.570		
8,200.00	7,229.43	7,252.80	6,995.70	41.53	36.02	-84.37	1,110.71	895.91	2,317.00	2,242.88	74.12	31.260		
8,300.00	7,229.54	7,286.35	7,009.14	43.36	36.21	-84.70	1,110.38	926.65	2,311.73	2,235.22	76.51	30.215		
8,400.00	7,229.65	7,312.00	7,018.22	45.30	36.37	-84.92	1,110.76	950.63	2,309.66	2,230.74	78.92	29.266		
8,500.00	7,229.75	7,466.81	7,051.49	47.33	37.95	-85.74	1,112.87	1,101.44	2,309.34	2,226.10	83.24	27.743		
8,600.00	7,229.86	7,529.74	7,057.24	49.45	38.85	-85.88	1,112.30	1,164.10	2,307.49	2,220.95	86.54	26.665		
8,653.47	7,229.92	7,560.76	7,059.88	50.62	39.34	-85.95	1,112.43	1,195.01	2,307.23	2,218.91	88.31	26.125		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	7,599.79	7,063.15	51.64	39.99	-86.03	1,112.94	1,233.89	2,307.40	2,217.32	90.08	25.615		
8,800.00	7,230.07	7,709.67	7,070.00	53.89	42.04	-86.20	1,113.29	1,343.52	2,306.93	2,212.41	94.52	24.407		
8,805.18	7,230.08	7,712.84	7,070.02	54.01	42.10	-86.20	1,113.30	1,346.70	2,306.92	2,212.22	94.71	24.358		
8,900.00	7,230.18	7,769.79	7,069.08	56.19	43.27	-86.17	1,113.87	1,403.63	2,307.69	2,209.50	98.19	23.502		
9,000.00	7,230.29	7,835.00	7,069.05	58.55	44.65	-86.17	1,115.79	1,468.81	2,310.23	2,208.19	102.04	22.641		
9,100.00	7,230.39	7,915.77	7,069.70	60.94	46.48	-86.19	1,119.15	1,549.50	2,313.98	2,207.64	106.34	21.760		
9,200.00	7,230.50	9,200.00	7,069.57	63.38	78.72	-86.19	1,124.80	1,701.74	2,317.66	2,176.70	140.96	16.442		
9,300.00	7,230.61	8,193.96	7,068.82	65.85	53.33	-86.17	1,126.05	1,827.57	2,318.26	2,200.25	118.02	19.643		
9,400.00	7,230.72	8,290.11	7,069.10	68.35	55.85	-86.18	1,127.19	1,923.70	2,319.11	2,196.02	123.09	18.841		
9,500.00	7,230.82	8,446.25	7,071.73	70.87	60.09	-86.24	1,126.71	2,079.80	2,318.21	2,188.49	129.73	17.870		
9,600.00	7,230.93	8,529.22	7,072.89	73.42	62.40	-86.26	1,125.93	2,162.76	2,316.88	2,182.20	134.68	17.203		
9,700.00	7,231.04	8,611.21	7,074.04	75.99	64.72	-86.29	1,125.92	2,244.75	2,316.44	2,176.79	139.66	16.587		
9,800.00	7,231.14	8,719.93	7,073.90	78.59	67.84	-86.28	1,125.79	2,353.46	2,316.01	2,170.65	145.36	15.932		
9,900.00	7,231.25	8,887.61	7,073.57	81.19	72.73	-86.26	1,124.10	2,521.13	2,315.16	2,162.56	152.60	15.171		
10,000.00	7,231.36	8,981.18	7,072.53	83.82	75.50	-86.23	1,121.34	2,614.65	2,311.96	2,153.91	158.05	14.628		
10,100.00	7,231.46	9,061.99	7,070.93	86.46	77.92	-86.19	1,119.28	2,695.42	2,309.23	2,146.02	163.21	14.149		
10,200.00	7,231.57	9,123.61	7,069.23	89.11	79.78	-86.14	1,118.37	2,757.00	2,307.68	2,139.80	167.88	13.746		
10,237.58	7,231.61	9,145.71	7,068.49	90.11	80.44	-86.12	1,118.32	2,779.09	2,307.55	2,137.95	169.60	13.605		
10,300.00	7,231.68	9,192.74	7,066.68	91.77	81.87	-86.07	1,118.58	2,826.09	2,307.84	2,135.10	172.74	13.360		
10,400.00	7,231.78	9,283.51	7,062.71	94.45	84.63	-85.97	1,119.27	2,916.76	2,308.60	2,130.41	178.19	12.956		
10,500.00	7,231.89	9,357.00	7,062.82	97.14	86.89	-85.98	1,120.73	2,990.23	2,310.25	2,127.06	183.19	12.611		
10,600.00	7,232.00	9,439.30	7,064.74	99.83	89.42	-86.03	1,123.27	3,072.47	2,312.86	2,124.40	188.46	12.272		
10,700.00	7,232.10	9,604.44	7,064.90	102.53	94.55	-86.03	1,125.65	3,237.58	2,313.68	2,117.54	196.13	11.796		
10,800.00	7,232.21	9,697.54	7,065.33	105.25	97.45	-86.04	1,126.29	3,330.67	2,314.02	2,112.24	201.78	11.468		
10,900.00	7,232.32	9,791.57	7,065.52	107.96	100.40	-86.04	1,127.15	3,424.70	2,314.61	2,107.14	207.46	11.157		
11,000.00	7,232.42	9,927.16	7,066.05	110.69	104.66	-86.05	1,127.95	3,560.28	2,314.96	2,100.63	214.33	10.801		
11,100.00	7,232.53	10,010.79	7,066.14	113.42	107.30	-86.05	1,127.83	3,643.91	2,314.50	2,094.73	219.77	10.532		
11,115.08	7,232.55	10,023.45	7,066.22	113.84	107.70	-86.05	1,127.87	3,656.57	2,314.49	2,093.90	220.59	10.492		
11,200.00	7,232.64	10,096.13	7,066.03	116.16	110.01	-86.05	1,128.28	3,729.25	2,314.72	2,089.46	225.26	10.276		
11,300.00	7,232.74	10,175.56	7,064.76	118.90	112.53	-86.01	1,129.18	3,808.66	2,315.66	2,085.09	230.57	10.043		
11,400.00	7,232.85	10,290.07	7,062.74	121.65	116.17	-85.96	1,131.05	3,923.13	2,317.14	2,080.24	236.90	9.781		
11,500.00	7,232.96	10,429.63	7,060.60	124.41	120.62	-85.91	1,130.66	4,062.68	2,316.50	2,072.55	243.95	9.496		
11,567.61	7,233.03	10,476.05	7,060.50	126.27	122.11	-85.90	1,130.59	4,109.09	2,316.19	2,068.81	247.38	9.363		
11,600.00	7,233.06	10,498.93	7,060.52	127.16	122.84	-85.90	1,130.71	4,131.97	2,316.26	2,067.22	249.04	9.301		
11,700.00	7,233.17	10,581.01	7,060.53	129.92	125.47	-85.90	1,131.63	4,214.05	2,317.06	2,062.58	254.47	9.105		
11,800.00	7,233.28	10,712.47	7,061.14	132.69	129.69	-85.91	1,132.96	4,345.49	2,317.78	2,056.41	261.36	8.868		
11,900.00	7,233.38	10,826.38	7,062.76	135.46	133.36	-85.95	1,132.44	4,459.40	2,316.85	2,049.10	267.75	8.653		
11,997.92	7,233.49	10,906.39	7,062.47	138.17	135.94	-85.94	1,132.39	4,539.40	2,316.50	2,043.39	273.11	8.482		
12,000.00	7,233.49	10,908.16	7,062.46	138.23	136.00	-85.94	1,132.39	4,541.17	2,316.50	2,043.27	273.23	8.478		
12,100.00	7,233.60	11,013.68	7,061.68	141.01	139.40	-85.92	1,132.86	4,646.69	2,316.70	2,037.32	279.38	8.292		
12,200.00	7,233.71	11,113.28	7,062.50	143.79	142.62	-85.93	1,132.67	4,746.28	2,316.13	2,030.75	285.38	8.116		
12,220.01	7,233.73	11,128.48	7,062.60	144.34	143.12	-85.94	1,132.71	4,761.49	2,316.11	2,029.67	286.45	8.086		
12,300.00	7,233.81	11,191.89	7,062.83	146.57	145.17	-85.94	1,133.17	4,824.89	2,316.42	2,025.64	290.77	7.966		
12,400.00	7,233.92	11,272.46	7,062.92	149.35	147.78	-85.94	1,134.33	4,905.46	2,317.54	2,021.33	296.21	7.824		
12,500.00	7,234.03	11,356.14	7,063.54	152.14	150.49	-85.96	1,136.34	4,989.10	2,319.55	2,017.83	301.73	7.688		
12,600.00	7,234.13	11,545.27	7,065.15	154.93	156.63	-86.00	1,138.08	5,178.19	2,320.28	2,009.91	310.37	7.476		
12,700.00	7,234.24	11,622.00	7,064.03	157.72	159.13	-85.96	1,137.42	5,254.91	2,319.21	2,003.46	315.76	7.345		
12,744.77	7,234.29	11,653.34	7,063.46	158.97	160.15	-85.95	1,137.40	5,286.25	2,319.09	2,001.02	318.07	7.291		
12,800.00	7,234.35	11,692.91	7,062.65	160.52	161.44	-85.93	1,137.60	5,325.80	2,319.28	1,998.33	320.94	7.226		
12,900.00	7,234.45	11,819.36	7,061.10	163.31	165.55	-85.89	1,138.40	5,452.23	2,319.76	1,992.02	327.74	7.078		
12,905.40	7,234.46	11,827.60	7,061.13	163.46	165.82	-85.89	1,138.38	5,460.48	2,319.73	1,991.59	328.15	7.069		
13,000.00	7,234.56	11,886.01	7,061.09	166.11	167.73	-85.89	1,138.90	5,518.89	2,320.14	1,987.33	332.82	6.971		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,100.00	7,234.67	12,056.29	7,061.06	168.91	173.28	-85.88	1,137.75	5,689.15	2,318.84	1,977.99	340.85	6.803		
13,200.00	7,234.77	12,136.87	7,060.82	171.71	175.91	-85.87	1,136.59	5,769.71	2,317.14	1,970.75	346.39	6.689		
13,300.00	7,234.88	12,216.94	7,060.15	174.52	178.53	-85.85	1,136.22	5,849.78	2,316.40	1,964.51	351.89	6.583		
13,362.54	7,234.95	12,271.18	7,059.95	176.27	180.30	-85.84	1,136.28	5,904.02	2,316.29	1,960.85	355.44	6.517		
13,400.00	7,234.99	12,298.50	7,059.95	177.32	181.20	-85.84	1,136.42	5,931.34	2,316.37	1,958.95	357.42	6.481		
13,500.00	7,235.09	12,370.00	7,060.03	180.13	183.54	-85.84	1,137.43	6,002.83	2,317.45	1,954.84	362.61	6.391		
13,600.00	7,235.20	12,482.16	7,061.26	182.94	187.21	-85.87	1,139.25	6,114.97	2,318.66	1,949.58	369.08	6.282		
13,700.00	7,235.31	12,558.00	7,062.90	185.74	189.69	-85.91	1,141.05	6,190.77	2,320.50	1,946.09	374.40	6.198		
13,800.00	7,235.41	12,730.14	7,066.47	188.56	195.33	-86.00	1,141.55	6,362.86	2,319.75	1,937.07	382.68	6.062		
13,890.66	7,235.51	12,799.40	7,066.35	191.10	197.60	-85.99	1,141.39	6,432.11	2,319.29	1,931.70	387.59	5.984		
13,900.00	7,235.52	12,806.26	7,066.31	191.37	197.83	-85.99	1,141.42	6,438.98	2,319.30	1,931.21	388.09	5.976		
14,000.00	7,235.63	12,886.08	7,065.52	194.18	200.45	-85.97	1,142.11	6,518.78	2,319.90	1,926.35	393.56	5.895		
14,100.00	7,235.73	12,976.21	7,064.26	197.00	203.40	-85.94	1,143.44	6,608.90	2,321.15	1,921.83	399.32	5.813		
14,200.00	7,235.84	13,086.01	7,061.43	199.81	207.00	-85.87	1,145.04	6,718.65	2,322.50	1,916.82	405.68	5.725		
14,300.00	7,235.95	13,168.20	7,060.13	202.63	209.70	-85.83	1,146.05	6,800.82	2,323.58	1,912.39	411.19	5.651		
14,400.00	7,236.05	13,266.63	7,057.95	205.44	212.93	-85.78	1,148.56	6,899.20	2,325.97	1,908.77	417.20	5.575		
14,500.00	7,236.16	13,428.72	7,057.15	208.26	218.26	-85.76	1,149.31	7,061.28	2,325.97	1,900.83	425.14	5.471		
14,600.00	7,236.27	13,556.10	7,057.78	211.08	222.45	-85.77	1,148.37	7,188.65	2,324.98	1,893.01	431.97	5.382		
14,700.00	7,236.37	13,676.54	7,061.28	213.90	226.41	-85.85	1,145.62	7,309.01	2,322.11	1,883.49	438.62	5.294		
14,800.00	7,236.48	13,767.86	7,062.66	216.72	229.42	-85.87	1,143.49	7,400.29	2,319.36	1,874.83	444.53	5.218		
14,900.00	7,236.59	13,855.43	7,062.83	219.55	232.31	-85.87	1,141.77	7,487.84	2,317.08	1,866.75	450.33	5.145		
15,000.00	7,236.69	13,949.06	7,061.68	222.37	235.39	-85.84	1,140.28	7,581.45	2,315.27	1,859.01	456.26	5.074		
15,100.00	7,236.80	14,023.31	7,060.02	225.19	237.84	-85.79	1,139.37	7,655.67	2,313.94	1,852.30	461.65	5.012		
15,139.57	7,236.84	14,048.69	7,059.65	226.31	238.67	-85.78	1,139.34	7,681.05	2,313.82	1,850.17	463.65	4.990		
15,200.00	7,236.91	14,092.63	7,059.24	228.02	240.12	-85.77	1,139.65	7,724.98	2,314.08	1,847.24	466.84	4.957		
15,300.00	7,237.02	14,186.50	7,057.21	230.84	243.21	-85.72	1,140.69	7,818.83	2,315.02	1,842.29	472.73	4.897		
15,400.00	7,237.12	14,304.13	7,057.03	233.67	247.09	-85.71	1,141.65	7,936.45	2,315.52	1,836.14	479.38	4.830		
15,500.00	7,237.23	14,402.02	7,056.45	236.50	250.32	-85.70	1,142.08	8,034.34	2,315.70	1,830.28	485.42	4.771		
15,600.00	7,237.34	14,503.70	7,054.62	239.32	253.67	-85.65	1,142.69	8,135.99	2,316.13	1,824.58	491.55	4.712		
15,700.00	7,237.44	14,612.19	7,055.70	242.15	257.25	-85.67	1,143.08	8,244.48	2,316.09	1,818.16	497.93	4.651		
15,742.33	7,237.49	14,655.10	7,055.85	243.35	258.67	-85.68	1,143.16	8,287.39	2,316.03	1,815.49	500.54	4.627		
15,800.00	7,237.55	14,696.23	7,056.08	244.98	260.02	-85.68	1,143.43	8,328.52	2,316.18	1,812.61	503.58	4.599		
15,900.00	7,237.66	14,788.77	7,056.86	247.81	263.08	-85.70	1,144.66	8,421.05	2,317.11	1,807.64	509.47	4.548		
16,000.00	7,237.76	14,888.48	7,056.78	250.64	266.37	-85.70	1,145.71	8,520.75	2,317.86	1,802.28	515.58	4.496		
16,100.00	7,237.87	14,992.65	7,058.29	253.47	269.81	-85.73	1,147.14	8,624.90	2,318.82	1,796.97	521.85	4.443		
16,200.00	7,237.98	15,103.99	7,058.33	256.30	273.48	-85.73	1,147.99	8,736.23	2,319.25	1,790.94	528.31	4.390		
16,300.00	7,238.08	15,192.65	7,057.40	259.13	276.41	-85.71	1,148.55	8,824.89	2,319.66	1,785.58	534.07	4.343		
16,400.00	7,238.19	15,286.59	7,057.22	261.96	279.51	-85.70	1,149.67	8,918.81	2,320.55	1,780.55	540.00	4.297		
16,500.00	7,238.30	15,381.56	7,055.39	264.79	282.65	-85.66	1,150.97	9,013.76	2,321.74	1,775.81	545.93	4.253		
16,600.00	7,238.40	15,508.09	7,052.22	267.63	286.83	-85.57	1,151.34	9,140.24	2,321.79	1,768.97	552.81	4.200		
16,700.00	7,238.51	15,601.03	7,051.38	270.46	289.90	-85.55	1,151.94	9,233.18	2,322.18	1,763.46	558.71	4.156		
16,800.00	7,238.62	15,721.69	7,051.07	273.29	293.89	-85.54	1,152.23	9,353.83	2,322.13	1,756.70	565.43	4.107		
16,900.00	7,238.72	15,815.83	7,049.79	276.13	297.00	-85.51	1,151.89	9,447.97	2,321.58	1,750.21	571.37	4.063		
17,000.00	7,238.83	15,929.16	7,046.52	278.96	300.75	-85.42	1,151.54	9,561.24	2,321.21	1,743.41	577.81	4.017		
17,100.00	7,238.94	16,017.96	7,044.63	281.80	303.68	-85.37	1,151.06	9,650.02	2,320.54	1,736.95	583.59	3.976		
17,200.00	7,239.04	16,113.61	7,043.58	284.63	306.85	-85.34	1,151.05	9,745.67	2,320.31	1,730.74	589.57	3.936		
17,245.53	7,239.09	16,154.95	7,042.91	285.92	308.21	-85.32	1,151.08	9,787.00	2,320.25	1,728.03	592.22	3.918		
17,300.00	7,239.15	16,202.35	7,042.34	287.47	309.78	-85.31	1,151.25	9,834.40	2,320.34	1,725.00	595.34	3.897		
17,400.00	7,239.26	16,310.83	7,040.87	290.30	313.37	-85.27	1,151.71	9,942.86	2,320.57	1,718.88	601.69	3.857		
17,435.38	7,239.30	16,344.83	7,040.02	291.31	314.50	-85.25	1,151.73	9,976.85	2,320.55	1,716.75	603.80	3.843		
17,500.00	7,239.36	16,403.79	7,038.40	293.14	316.45	-85.21	1,151.85	10,035.79	2,320.63	1,713.07	607.56	3.820		
17,600.00	7,239.47	16,474.00	7,036.32	295.98	318.77	-85.15	1,152.10	10,105.97	2,321.10	1,708.39	612.70	3.788		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Boomerang 21-5 - SRC Wiedeman #21-5-3CHZ - OH - OH		Offset Site Error:		0.00 ft	
Survey Program:												168-MWD		Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
17,700.00	7,239.58	16,474.00	7,036.32	298.81	318.77	-85.15	1,152.10	10,105.97	2,324.78	1,709.84	614.94	3.780 SF					
17,800.00	7,239.68	16,474.00	7,036.32	301.65	318.77	-85.15	1,152.10	10,105.97	2,332.74	1,716.69	616.06	3.787					
17,900.00	7,239.79	16,474.00	7,036.32	304.49	318.77	-85.15	1,152.10	10,105.97	2,344.95	1,728.88	616.07	3.806					
18,000.00	7,239.90	16,474.00	7,036.32	307.33	318.77	-85.15	1,152.10	10,105.97	2,361.33	1,746.33	615.01	3.840					
18,095.23	7,240.00	16,474.00	7,036.32	310.03	318.77	-85.15	1,152.10	10,105.97	2,380.74	1,767.69	613.04	3.883					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	73.30	158.48	528.35	551.66					
100.00	100.00	93.82	93.82	3.28	3.29	73.32	158.35	528.32	551.54	544.97	6.57	83.934		
200.00	200.00	195.76	195.76	3.34	3.32	73.36	157.88	528.19	551.29	544.63	6.65	82.842		
252.40	252.40	250.52	250.51	3.38	3.36	-120.48	157.45	527.91	551.16	544.41	6.75	81.688 CC, ES		
300.00	299.98	299.76	299.76	3.44	3.42	-120.56	157.01	527.48	551.28	544.43	6.86	80.408		
400.00	399.84	398.88	398.86	3.59	3.56	-120.97	156.36	526.40	552.72	545.57	7.15	77.300		
500.00	499.45	502.58	502.55	3.79	3.76	-121.69	155.72	525.12	555.91	548.36	7.55	73.638		
600.00	598.70	602.50	602.46	4.03	3.99	-122.66	155.00	523.35	560.52	552.50	8.02	69.859		
700.00	697.47	694.78	694.73	4.31	4.23	-123.80	154.93	522.05	567.80	559.26	8.54	66.449		
800.00	795.62	795.23	795.17	4.64	4.52	-125.33	155.58	520.83	577.87	568.72	9.15	63.168		
900.00	893.06	887.24	887.15	5.00	4.80	-126.96	157.15	519.50	590.69	580.91	9.78	60.420		
1,000.00	989.64	977.60	977.45	5.40	5.08	-128.80	160.25	518.37	607.25	596.81	10.44	58.166		
1,100.00	1,085.27	1,065.31	1,065.06	5.83	5.37	-130.72	164.45	517.64	627.93	616.80	11.13	56.416		
1,200.00	1,179.82	1,150.42	1,150.03	6.29	5.66	-132.62	169.31	517.58	653.04	641.20	11.84	55.159		
1,235.00	1,212.63	1,180.58	1,180.12	6.46	5.77	-133.30	171.22	517.72	662.92	650.82	12.10	54.802		
1,300.00	1,273.43	1,241.82	1,241.23	6.79	5.99	-134.97	175.23	517.88	681.90	669.30	12.60	54.135		
1,400.00	1,366.98	1,330.38	1,329.57	7.30	6.31	-137.28	181.40	517.61	711.90	698.55	13.35	53.314		
1,500.00	1,460.52	1,408.93	1,407.74	7.84	6.61	-139.34	189.09	516.90	744.18	730.11	14.07	52.891		
1,600.00	1,554.07	1,486.47	1,484.63	8.38	6.92	-141.40	199.07	515.76	779.02	764.23	14.78	52.694		
1,700.00	1,647.61	1,578.19	1,575.34	8.93	7.30	-143.77	212.45	513.62	815.52	799.93	15.59	52.310		
1,800.00	1,741.16	1,675.61	1,671.66	9.49	7.72	-146.13	226.62	510.29	852.47	836.03	16.45	51.836		
1,900.00	1,834.70	1,773.56	1,768.55	10.06	8.15	-148.33	240.31	505.91	889.47	872.15	17.32	51.364		
2,000.00	1,928.25	1,868.05	1,862.13	10.63	8.57	-150.26	252.66	501.43	926.63	908.45	18.17	50.984		
2,100.00	2,021.79	1,934.88	1,928.31	11.21	8.88	-151.51	261.61	498.97	965.40	946.56	18.84	51.246		
2,200.00	2,115.33	2,027.73	2,020.22	11.79	9.30	-153.11	274.55	496.49	1,005.81	986.12	19.69	51.080		
2,300.00	2,208.88	2,125.23	2,116.87	12.37	9.75	-154.63	287.04	493.66	1,045.88	1,025.30	20.58	50.812		
2,400.00	2,302.42	2,222.88	2,213.80	12.96	10.20	-156.00	298.58	490.84	1,085.74	1,064.26	21.48	50.546		
2,500.00	2,395.97	2,301.17	2,291.48	13.55	10.56	-157.04	307.94	488.34	1,126.00	1,103.76	22.23	50.645		
2,600.00	2,489.51	2,370.87	2,360.44	14.14	10.90	-157.98	317.69	485.66	1,167.85	1,144.93	22.91	50.965		
2,700.00	2,583.06	2,448.84	2,437.43	14.74	11.28	-158.98	329.85	483.23	1,211.57	1,187.91	23.66	51.201		
2,800.00	2,676.60	2,543.52	2,530.99	15.34	11.74	-160.12	343.87	479.73	1,254.83	1,230.27	24.56	51.096		
2,900.00	2,770.14	2,599.95	2,586.67	15.93	12.02	-160.76	352.93	478.14	1,299.80	1,274.69	25.11	51.755		
3,000.00	2,863.69	2,680.26	2,665.71	16.53	12.43	-161.63	367.05	476.37	1,346.48	1,320.60	25.88	52.018		
3,100.00	2,957.23	2,779.17	2,762.99	17.13	12.94	-162.68	384.61	473.19	1,393.18	1,366.35	26.83	51.920		
3,200.00	3,050.78	2,854.04	2,836.70	17.74	13.33	-163.41	397.56	470.80	1,439.83	1,412.27	27.56	52.251		
3,300.00	3,144.32	2,932.35	2,913.81	18.34	13.73	-164.07	411.13	470.16	1,487.63	1,459.32	28.31	52.548		
3,400.00	3,237.87	3,031.73	3,011.72	18.94	14.25	-164.86	428.14	469.12	1,535.39	1,506.12	29.27	52.462		
3,500.00	3,331.41	3,138.37	3,116.90	19.55	14.80	-165.67	445.57	466.85	1,582.27	1,551.98	30.29	52.232		
3,600.00	3,424.96	3,243.75	3,220.96	20.15	15.34	-166.44	461.89	463.64	1,628.30	1,596.99	31.31	52.008		
3,666.72	3,487.37	3,302.48	3,278.99	20.56	15.64	-166.85	470.72	461.46	1,658.68	1,626.80	31.88	52.030		
3,700.00	3,518.57	3,327.38	3,303.59	20.76	15.77	-167.09	474.46	460.68	1,673.77	1,641.65	32.12	52.108		
3,800.00	3,613.09	3,419.96	3,395.08	21.34	16.24	-167.85	488.39	458.40	1,717.42	1,684.42	33.01	52.034		
3,900.00	3,708.70	3,501.03	3,475.22	21.90	16.66	-168.47	500.36	455.88	1,757.65	1,723.88	33.77	52.049		
4,000.00	3,805.27	3,583.20	3,556.60	22.44	16.98	-168.91	510.19	454.93	1,796.22	1,761.88	34.34	52.312		
4,100.00	3,902.69	3,676.15	3,648.12	22.95	17.56	-169.51	528.09	453.32	1,831.76	1,796.38	35.38	51.774		
4,200.00	4,000.84	3,769.71	3,740.48	23.43	18.05	-170.00	542.80	451.14	1,863.73	1,827.50	36.22	51.449		
4,300.00	4,099.59	3,862.53	3,832.02	23.89	18.54	-170.46	557.90	448.15	1,892.62	1,855.57	37.05	51.081		
4,400.00	4,198.84	3,966.76	3,934.74	24.32	19.10	-170.94	575.03	443.84	1,918.11	1,880.13	37.98	50.506		
4,500.00	4,298.45	4,063.38	4,049.74	24.73	19.72	-171.42	593.63	438.45	1,939.71	1,900.70	39.01	49.727		
4,600.00	4,398.30	4,216.09	4,180.93	25.11	20.40	-171.89	612.70	432.27	1,956.52	1,916.35	40.16	48.713		
4,701.72	4,500.00	4,332.63	4,296.32	25.45	21.00	21.57	627.84	426.22	1,968.63	1,927.50	41.13	47.863		
4,800.00	4,598.28	4,402.45	4,365.51	25.74	21.35	21.40	636.82	423.73	1,979.15	1,937.49	41.65	47.517		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,572.13	4,534.13	26.04	22.16	21.12	655.30	420.41	1,988.46	1,945.42	43.04	46.197		
5,000.00	4,798.28	4,754.17	4,715.70	26.34	22.98	20.93	668.12	418.19	1,994.85	1,950.39	44.45	44.873		
5,100.00	4,898.28	4,933.71	4,895.16	26.65	23.69	20.82	671.43	415.62	1,995.60	1,949.86	45.74	43.625		
5,134.05	4,932.33	4,963.88	4,925.33	26.75	23.81	20.81	671.55	415.22	1,995.57	1,949.59	45.98	43.404		
5,200.00	4,998.28	5,026.84	4,988.28	26.96	24.05	20.79	671.94	414.42	1,995.64	1,949.19	46.46	42.957		
5,300.00	5,098.28	5,133.21	5,094.64	27.27	24.46	20.74	672.61	412.88	1,995.73	1,948.47	47.26	42.230		
5,400.00	5,198.28	5,236.43	5,197.84	27.59	24.86	20.68	672.96	410.93	1,995.38	1,947.33	48.04	41.534		
5,500.00	5,298.28	5,343.87	5,305.27	27.91	25.28	20.62	673.28	408.78	1,994.95	1,946.10	48.85	40.837		
5,600.00	5,398.28	5,439.80	5,401.18	28.23	25.65	20.57	673.27	406.95	1,994.27	1,944.68	49.59	40.211		
5,660.28	5,458.56	5,490.20	5,451.56	28.43	25.85	20.54	673.46	406.00	1,994.10	1,944.10	50.00	39.881		
5,700.00	5,498.28	5,521.49	5,482.85	28.56	25.97	20.52	673.75	405.41	1,994.18	1,943.92	50.26	39.679		
5,800.00	5,598.28	5,608.21	5,569.55	28.89	26.32	20.48	674.96	404.30	1,995.02	1,944.07	50.95	39.157		
5,900.00	5,698.28	5,687.63	5,648.95	29.22	26.63	20.50	675.82	405.21	1,996.48	1,944.89	51.59	38.699		
6,000.00	5,798.28	5,760.33	5,721.62	29.56	26.92	20.54	677.34	407.20	1,999.36	1,947.18	52.18	38.319		
6,100.00	5,898.28	5,940.95	5,902.15	29.90	27.64	20.58	680.99	410.00	2,002.58	1,949.11	53.48	37.446		
6,185.10	5,983.38	6,015.18	5,976.38	30.18	27.93	20.56	681.04	409.30	2,002.35	1,948.28	54.08	37.027		
6,200.00	5,998.28	6,028.18	5,989.37	30.24	27.98	20.55	681.10	409.16	2,002.36	1,948.18	54.18	36.956		
6,300.00	6,098.28	6,118.68	6,079.86	30.58	28.35	20.51	681.89	407.92	2,002.69	1,947.78	54.92	36.467		
6,400.00	6,198.28	6,253.37	6,214.53	30.92	28.86	20.51	680.36	407.43	2,001.20	1,945.30	55.90	35.800		
6,449.00	6,247.28	6,279.14	6,240.29	31.09	28.96	20.53	680.04	407.86	2,000.91	1,944.77	56.14	35.641		
6,500.00	6,298.28	6,315.00	6,276.14	31.27	29.09	20.55	680.01	408.78	2,001.26	1,944.82	56.44	35.457		
6,600.00	6,398.28	6,362.44	6,323.50	31.62	29.27	20.62	680.28	411.42	2,003.53	1,946.66	56.87	35.230		
6,700.00	6,498.28	6,410.00	6,370.79	31.97	29.45	20.75	680.55	416.45	2,008.03	1,950.76	57.27	35.065		
6,794.10	6,592.38	6,455.19	6,415.31	32.31	29.61	20.95	680.90	424.06	2,014.64	1,957.04	57.60	34.979		
6,800.00	6,598.28	6,457.57	6,417.64	32.33	29.62	-68.81	680.92	424.55	2,015.13	1,957.52	57.61	34.978		
6,850.00	6,648.21	6,477.76	6,437.31	32.51	29.69	-68.40	681.14	429.14	2,018.93	1,961.19	57.74	34.967		
6,900.00	6,697.79	6,505.00	6,463.56	32.69	29.78	-68.05	681.49	436.40	2,022.06	1,964.15	57.90	34.921		
6,950.00	6,746.73	6,531.81	6,489.11	32.86	29.87	-67.80	681.76	444.49	2,024.29	1,966.24	58.04	34.875		
7,000.00	6,794.71	6,572.80	6,527.72	33.03	30.00	-67.65	681.74	458.26	2,025.32	1,967.02	58.30	34.741		
7,050.00	6,841.44	6,600.00	6,553.00	33.20	30.09	-67.64	681.44	468.30	2,025.14	1,966.71	58.42	34.664		
7,100.00	6,886.64	6,628.70	6,579.31	33.35	30.17	-67.75	681.08	479.75	2,024.00	1,965.45	58.55	34.569		
7,150.00	6,930.03	6,650.15	6,598.70	33.50	30.24	-67.95	680.91	488.92	2,022.11	1,963.50	58.61	34.502		
7,200.00	6,971.33	6,671.55	6,617.79	33.64	30.30	-68.24	680.84	498.59	2,019.46	1,960.79	58.67	34.421		
7,250.00	7,010.30	6,695.00	6,638.41	33.77	30.37	-68.64	680.87	509.76	2,016.07	1,957.30	58.76	34.309		
7,300.00	7,046.69	6,719.47	6,659.52	33.89	30.44	-69.14	680.90	522.12	2,011.90	1,953.02	58.88	34.167		
7,350.00	7,080.28	6,746.69	6,682.45	34.00	30.51	-69.75	680.82	536.78	2,006.92	1,947.85	59.07	33.976		
7,400.00	7,110.86	6,773.93	6,704.79	34.11	30.58	-70.46	680.61	552.38	2,001.17	1,941.87	59.30	33.747		
7,450.00	7,138.25	6,790.00	6,717.65	34.21	30.63	-71.15	680.43	562.00	1,994.76	1,935.29	59.47	33.543		
7,500.00	7,162.27	6,823.51	6,743.79	34.32	30.71	-72.09	680.02	582.97	1,987.66	1,927.75	59.91	33.179		
7,550.00	7,182.77	6,847.05	6,761.60	34.43	30.77	-73.03	679.77	598.36	1,980.10	1,919.80	60.30	32.836		
7,600.00	7,199.64	6,885.00	6,789.30	34.57	30.87	-74.22	679.41	624.28	1,972.21	1,911.31	60.90	32.383		
7,650.00	7,212.76	6,885.00	6,789.30	34.76	30.87	-74.96	679.41	624.28	1,963.81	1,902.60	61.21	32.083		
7,700.00	7,222.06	6,913.05	6,808.99	35.02	30.94	-76.16	679.25	644.27	1,955.23	1,893.30	61.93	31.574		
7,750.00	7,227.47	6,933.05	6,822.61	35.37	31.00	-77.28	679.22	658.91	1,946.57	1,883.95	62.63	31.082		
7,793.42	7,229.00	6,950.01	6,833.89	35.74	31.05	-78.26	679.26	671.57	1,939.05	1,875.76	63.30	30.635		
7,800.00	7,229.01	6,952.55	6,835.56	35.80	31.06	-78.31	679.27	673.49	1,937.92	1,874.52	63.40	30.566		
7,900.00	7,229.11	6,994.92	6,862.47	36.91	31.21	-79.11	679.59	706.20	1,922.60	1,857.42	65.18	29.496		
8,000.00	7,229.22	7,046.97	6,892.42	38.28	31.48	-79.99	679.94	748.75	1,910.40	1,843.10	67.30	28.387		
8,100.00	7,229.33	7,111.93	6,924.53	39.83	31.99	-80.95	680.06	805.20	1,900.86	1,831.09	69.77	27.245		
8,200.00	7,229.43	7,186.32	6,954.66	41.53	32.77	-81.84	679.48	873.17	1,893.13	1,820.58	72.55	26.095		
8,300.00	7,229.54	7,253.40	6,975.96	43.36	33.61	-82.48	678.83	936.75	1,887.23	1,811.79	75.44	25.016		
8,400.00	7,229.65	7,320.07	6,991.11	45.30	34.58	-82.93	678.32	1,001.64	1,883.19	1,804.68	78.51	23.987		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,229.75	7,397.76	7,001.22	47.33	35.85	-83.23	677.96	1,078.65	1,880.80	1,798.89	81.91	22.963		
8,600.00	7,229.86	7,486.46	7,010.07	49.45	37.43	-83.50	677.90	1,166.92	1,879.27	1,793.59	85.68	21.934		
8,700.00	7,229.97	7,576.29	7,018.79	51.64	39.20	-83.76	678.19	1,256.31	1,878.20	1,788.50	89.70	20.938		
8,771.89	7,230.04	7,635.04	7,023.82	53.25	40.43	-83.91	678.70	1,314.85	1,877.95	1,785.35	92.59	20.282		
8,800.00	7,230.07	7,659.80	7,025.66	53.89	40.97	-83.97	679.00	1,339.54	1,877.98	1,784.20	93.78	20.025		
8,900.00	7,230.18	7,750.58	7,030.06	56.19	43.00	-84.10	680.12	1,430.19	1,878.39	1,780.24	98.15	19.137		
9,000.00	7,230.29	7,836.16	7,032.20	58.55	45.01	-84.16	681.51	1,515.74	1,879.45	1,776.91	102.54	18.328		
9,100.00	7,230.39	7,917.19	7,033.89	60.94	47.00	-84.22	683.52	1,596.73	1,881.40	1,774.45	106.95	17.591		
9,200.00	7,230.50	7,996.60	7,035.39	63.38	49.01	-84.27	686.31	1,676.07	1,884.40	1,772.99	111.41	16.914		
9,300.00	7,230.61	8,131.66	7,037.28	65.85	52.54	-84.33	690.99	1,811.04	1,887.53	1,770.16	117.37	16.081		
9,400.00	7,230.72	8,255.21	7,041.98	68.35	55.92	-84.48	692.69	1,934.48	1,888.14	1,764.90	123.23	15.322		
9,500.00	7,230.82	8,354.00	7,045.83	70.87	58.68	-84.59	694.05	2,033.18	1,888.82	1,760.28	128.54	14.694		
9,600.00	7,230.93	8,445.14	7,048.82	73.42	61.27	-84.68	694.99	2,124.27	1,889.26	1,755.55	133.71	14.130		
9,700.00	7,231.04	8,577.04	7,052.75	75.99	65.08	-84.80	697.18	2,256.09	1,890.62	1,750.59	140.04	13.501		
9,800.00	7,231.14	8,680.35	7,053.79	78.59	68.11	-84.83	696.47	2,359.39	1,889.53	1,743.88	145.65	12.973		
9,900.00	7,231.25	8,801.35	7,054.75	81.19	71.70	-84.85	695.16	2,480.37	1,888.07	1,736.29	151.78	12.439		
10,000.00	7,231.36	8,896.15	7,058.06	83.82	74.55	-84.94	693.92	2,575.11	1,886.14	1,728.85	157.30	11.991		
10,100.00	7,231.46	8,977.38	7,061.83	86.46	77.02	-85.05	693.53	2,656.25	1,884.95	1,722.47	162.48	11.601		
10,200.00	7,231.57	9,074.20	7,065.39	89.11	79.97	-85.15	693.53	2,753.00	1,884.32	1,716.21	168.12	11.209		
10,279.92	7,231.65	9,144.02	7,067.34	91.24	82.12	-85.21	693.73	2,822.79	1,884.12	1,711.70	172.42	10.927		
10,300.00	7,231.68	9,161.66	7,067.83	91.77	82.66	-85.22	693.84	2,840.42	1,884.13	1,710.62	173.51	10.859		
10,400.00	7,231.78	9,254.44	7,071.15	94.45	85.53	-85.32	694.71	2,933.14	1,884.46	1,705.38	179.08	10.523		
10,500.00	7,231.89	9,327.41	7,074.25	97.14	87.79	-85.42	696.06	3,006.03	1,885.66	1,701.58	184.08	10.244		
10,600.00	7,232.00	9,401.84	7,076.75	99.83	90.11	-85.50	698.48	3,080.38	1,888.32	1,699.22	189.10	9.986		
10,700.00	7,232.10	9,502.36	7,078.64	102.53	93.25	-85.56	702.67	3,180.79	1,892.02	1,697.08	194.95	9.705		
10,800.00	7,232.21	9,619.61	7,081.62	105.25	96.92	-85.65	706.39	3,297.94	1,894.65	1,693.29	201.35	9.410		
10,900.00	7,232.32	9,747.58	7,086.73	107.96	100.96	-85.81	709.24	3,425.77	1,896.26	1,688.14	208.11	9.112		
11,000.00	7,232.42	9,839.73	7,091.81	110.69	103.88	-85.96	710.98	3,517.77	1,897.43	1,683.63	213.80	8.875		
11,100.00	7,232.53	9,993.78	7,100.33	113.42	108.77	-86.22	712.50	3,671.56	1,897.94	1,676.59	221.35	8.574		
11,200.00	7,232.64	10,139.78	7,108.75	116.16	113.43	-86.46	708.84	3,817.27	1,894.54	1,665.98	228.56	8.289		
11,300.00	7,232.74	10,221.71	7,111.54	118.90	116.05	-86.53	706.52	3,899.11	1,891.17	1,657.11	234.06	8.080		
11,400.00	7,232.85	10,321.45	7,110.92	121.65	119.25	-86.51	703.57	3,998.80	1,887.94	1,647.95	240.00	7.866		
11,500.00	7,232.96	10,384.66	7,108.81	124.41	121.28	-86.44	702.38	4,061.96	1,885.95	1,641.02	244.93	7.700		
11,600.00	7,233.06	10,466.30	7,105.92	127.16	123.90	-86.35	702.14	4,143.55	1,885.54	1,635.20	250.33	7.532		
11,605.67	7,233.07	10,471.23	7,105.79	127.32	124.06	-86.34	702.14	4,148.48	1,885.54	1,634.89	250.65	7.523		
11,700.00	7,233.17	10,531.45	7,104.64	129.92	125.99	-86.31	702.66	4,208.68	1,886.24	1,631.03	255.21	7.391		
11,800.00	7,233.28	10,588.00	7,104.28	132.69	127.81	-86.30	704.52	4,265.20	1,889.23	1,629.51	259.73	7.274		
11,900.00	7,233.38	10,716.93	7,105.08	135.46	131.96	-86.32	708.74	4,394.05	1,892.02	1,625.32	266.70	7.094		
12,000.00	7,233.49	10,806.46	7,104.22	138.23	134.85	-86.30	711.76	4,483.52	1,895.11	1,622.78	272.33	6.959		
12,100.00	7,233.60	10,953.02	7,107.99	141.01	139.59	-86.41	714.76	4,629.99	1,896.52	1,616.65	279.87	6.776		
12,200.00	7,233.71	11,037.82	7,110.55	143.79	142.34	-86.49	716.11	4,714.74	1,897.61	1,612.18	285.43	6.648		
12,300.00	7,233.81	11,133.60	7,114.57	146.57	145.44	-86.61	718.08	4,810.42	1,899.10	1,607.75	291.35	6.518		
12,400.00	7,233.92	11,273.36	7,115.90	149.35	149.98	-86.65	719.05	4,950.11	1,899.29	1,600.68	298.61	6.360		
12,500.00	7,234.03	11,388.72	7,114.83	152.14	153.73	-86.61	718.00	5,065.45	1,898.07	1,592.99	305.08	6.222		
12,600.00	7,234.13	11,470.36	7,115.63	154.93	156.39	-86.63	717.70	5,147.09	1,897.33	1,586.74	310.60	6.109		
12,614.97	7,234.15	11,481.00	7,115.84	155.35	156.74	-86.64	717.73	5,157.72	1,897.31	1,585.94	311.37	6.093		
12,700.00	7,234.24	11,546.57	7,116.14	157.72	158.87	-86.64	718.57	5,223.29	1,898.02	1,582.11	315.92	6.008		
12,800.00	7,234.35	11,638.06	7,113.98	160.52	161.85	-86.58	719.69	5,314.74	1,899.09	1,577.42	321.66	5.904		
12,900.00	7,234.45	11,815.52	7,116.95	163.31	167.65	-86.66	719.00	5,492.14	1,898.11	1,568.10	330.00	5.752		
13,000.00	7,234.56	11,893.16	7,115.31	166.11	170.18	-86.60	717.58	5,569.74	1,896.09	1,560.64	335.45	5.652		
13,100.00	7,234.67	11,984.87	7,111.81	168.91	173.18	-86.49	716.59	5,661.38	1,894.93	1,553.69	341.24	5.553		
13,176.14	7,234.75	12,042.45	7,109.42	171.04	175.06	-86.42	716.31	5,718.91	1,894.52	1,549.24	345.28	5.487		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,234.77	12,059.87	7,108.60	171.71	175.63	-86.39	716.34	5,736.31	1,894.56	1,548.04	346.52	5.467		
13,300.00	7,234.88	12,138.56	7,104.90	174.52	178.20	-86.28	717.12	5,814.91	1,895.52	1,543.66	351.86	5.387		
13,400.00	7,234.99	12,237.05	7,102.45	177.32	181.42	-86.21	718.98	5,913.35	1,897.25	1,539.41	357.85	5.302		
13,500.00	7,235.09	12,330.60	7,101.57	180.13	184.48	-86.18	720.64	6,006.88	1,898.78	1,535.09	363.69	5.221		
13,600.00	7,235.20	12,414.54	7,099.55	182.94	187.23	-86.12	722.73	6,090.77	1,901.11	1,531.93	369.18	5.150		
13,700.00	7,235.31	12,524.82	7,097.43	185.74	190.84	-86.06	726.02	6,200.98	1,903.95	1,528.36	375.58	5.069		
13,800.00	7,235.41	12,629.94	7,098.65	188.56	194.28	-86.10	728.39	6,306.06	1,905.79	1,523.94	381.85	4.991		
13,900.00	7,235.52	12,755.49	7,101.43	191.37	198.40	-86.18	730.73	6,431.56	1,907.22	1,518.42	388.80	4.905		
14,000.00	7,235.63	12,869.71	7,101.12	194.18	202.15	-86.17	730.96	6,545.77	1,907.09	1,511.77	395.32	4.824		
14,015.77	7,235.64	12,882.46	7,100.94	194.62	202.57	-86.16	730.98	6,558.51	1,907.08	1,510.89	396.19	4.814		
14,100.00	7,235.73	12,958.63	7,099.93	197.00	205.07	-86.13	731.45	6,634.67	1,907.39	1,506.34	401.05	4.756		
14,200.00	7,235.84	13,044.50	7,096.83	199.81	207.89	-86.03	732.13	6,720.48	1,908.13	1,501.48	406.65	4.692		
14,300.00	7,235.95	13,181.80	7,095.01	202.63	212.41	-85.98	733.29	6,857.76	1,908.91	1,495.06	413.85	4.613		
14,400.00	7,236.05	13,288.17	7,093.04	205.44	215.90	-85.91	731.99	6,964.10	1,907.48	1,487.38	420.10	4.541		
14,500.00	7,236.16	13,417.06	7,088.05	208.26	220.14	-85.75	729.93	7,092.87	1,905.93	1,479.06	426.87	4.465		
14,600.00	7,236.27	13,523.85	7,083.27	211.08	223.66	-85.60	726.56	7,199.51	1,902.78	1,469.73	433.05	4.394		
14,700.00	7,236.37	13,597.00	7,080.56	213.90	226.07	-85.51	725.14	7,272.59	1,900.74	1,462.31	438.42	4.335		
14,800.00	7,236.48	13,700.06	7,077.70	216.72	229.46	-85.41	723.85	7,375.60	1,899.41	1,454.85	444.55	4.273		
14,900.00	7,236.59	13,798.13	7,077.17	219.55	232.70	-85.39	722.52	7,473.66	1,897.78	1,447.19	450.60	4.212		
15,000.00	7,236.69	13,899.55	7,075.64	222.37	236.04	-85.34	720.95	7,575.04	1,896.05	1,439.34	456.71	4.152		
15,100.00	7,236.80	13,976.00	7,072.94	225.19	238.56	-85.25	719.86	7,651.44	1,894.69	1,432.59	462.10	4.100		
15,149.65	7,236.85	14,017.06	7,071.33	226.60	239.91	-85.20	719.61	7,692.46	1,894.43	1,429.58	464.84	4.075		
15,200.00	7,236.91	14,049.54	7,070.09	228.02	240.98	-85.16	719.76	7,724.93	1,894.66	1,427.34	467.33	4.054		
15,300.00	7,237.02	14,129.58	7,066.78	230.84	243.62	-85.06	721.04	7,804.88	1,896.27	1,423.59	472.68	4.012		
15,400.00	7,237.12	14,207.36	7,062.62	233.67	246.17	-84.94	722.82	7,882.53	1,898.75	1,420.87	477.88	3.973		
15,500.00	7,237.23	14,301.09	7,058.91	236.50	249.25	-84.83	726.40	7,976.12	1,902.56	1,418.91	483.65	3.934		
15,600.00	7,237.34	14,449.98	7,057.07	239.32	254.16	-84.78	729.80	8,124.94	1,904.57	1,413.10	491.47	3.875		
15,700.00	7,237.44	14,525.73	7,056.72	242.15	256.66	-84.77	731.18	8,200.69	1,906.12	1,409.39	496.73	3.837		
15,800.00	7,237.55	14,638.55	7,054.75	244.98	260.37	-84.71	733.75	8,313.46	1,908.28	1,405.03	503.24	3.792		
15,900.00	7,237.66	14,710.53	7,052.87	247.81	262.75	-84.66	735.40	8,385.39	1,910.51	1,402.22	508.29	3.759		
16,000.00	7,237.76	14,852.75	7,051.07	250.64	267.44	-84.61	738.66	8,527.55	1,912.68	1,396.84	515.84	3.708		
16,100.00	7,237.87	14,952.79	7,051.62	253.47	270.74	-84.63	740.28	8,627.57	1,913.92	1,391.96	521.97	3.667		
16,200.00	7,237.98	15,082.29	7,049.47	256.30	275.02	-84.55	739.47	8,757.04	1,912.92	1,384.00	528.92	3.617		
16,259.95	7,238.04	15,127.97	7,049.03	258.00	276.53	-84.54	739.39	8,802.72	1,912.68	1,380.53	532.15	3.594		
16,300.00	7,238.08	15,156.18	7,048.84	259.13	277.46	-84.53	739.54	8,830.94	1,912.80	1,378.58	534.23	3.581		
16,400.00	7,238.19	15,233.27	7,048.28	261.96	280.01	-84.52	740.81	8,908.00	1,914.16	1,374.60	539.56	3.548		
16,500.00	7,238.30	15,331.95	7,047.19	264.79	283.27	-84.49	742.77	9,006.67	1,915.94	1,370.34	545.59	3.512		
16,600.00	7,238.40	15,447.46	7,045.09	267.63	287.08	-84.43	745.20	9,122.13	1,917.97	1,365.78	552.18	3.473		
16,692.06	7,238.50	15,560.16	7,044.54	270.24	290.81	-84.41	745.59	9,234.82	1,917.95	1,359.50	558.45	3.434		
16,700.00	7,238.51	15,567.43	7,044.48	270.46	291.05	-84.40	745.61	9,242.09	1,917.95	1,359.04	558.91	3.432		
16,800.00	7,238.62	15,660.28	7,043.81	273.29	294.12	-84.38	746.04	9,334.94	1,918.18	1,353.39	564.79	3.396		
16,900.00	7,238.72	15,736.68	7,043.77	276.13	296.64	-84.38	746.93	9,411.33	1,919.07	1,348.95	570.12	3.366		
17,000.00	7,238.83	15,818.38	7,042.09	278.96	299.34	-84.33	748.97	9,492.99	1,921.41	1,345.88	575.53	3.339		
17,100.00	7,238.94	15,919.39	7,039.48	281.80	302.68	-84.26	751.54	9,593.93	1,923.88	1,342.28	581.60	3.308		
17,200.00	7,239.04	16,022.53	7,036.78	284.63	306.08	-84.18	754.28	9,697.00	1,926.48	1,338.72	587.76	3.278		
17,300.00	7,239.15	16,114.22	7,034.38	287.47	309.11	-84.11	756.45	9,788.63	1,928.82	1,335.34	593.49	3.250		
17,400.00	7,239.26	16,209.90	7,031.84	290.30	312.27	-84.04	759.62	9,884.22	1,932.07	1,332.71	599.36	3.224		
17,500.00	7,239.36	16,349.03	7,028.96	293.14	316.86	-83.96	762.64	10,023.28	1,934.16	1,327.36	606.80	3.187		
17,600.00	7,239.47	16,488.17	7,029.21	295.98	321.47	-83.96	762.58	10,162.43	1,933.64	1,319.54	614.10	3.149		
17,700.00	7,239.58	16,595.90	7,030.08	298.81	325.04	-83.98	761.94	10,270.14	1,932.68	1,312.24	620.44	3.115		
17,800.00	7,239.68	16,687.89	7,031.05	301.65	328.09	-84.01	760.86	10,362.13	1,931.12	1,304.74	626.38	3.083		
17,900.00	7,239.79	16,770.17	7,032.04	304.49	330.82	-84.03	760.93	10,444.40	1,930.75	1,298.72	632.03	3.055		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #21-5-3NBHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 165-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
17,927.61	7,239.82	16,797.77	7,032.38	305.27	331.73	-84.04	761.03	10,472.00	1,930.72	1,296.99	633.73	3.047	
18,000.00	7,239.90	16,792.00	7,032.30	307.33	331.54	-84.04	761.01	10,466.23	1,932.24	1,296.92	635.32	3.041 SF	
18,095.23	7,240.00	16,792.00	7,032.30	310.03	331.54	-84.04	761.01	10,466.23	1,938.35	1,302.05	636.30	3.046	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	82.45	68.87	519.73	524.32					
100.00	100.00	101.89	101.88	3.28	3.30	82.49	68.41	518.73	523.29	516.71	6.59	79.444		
200.00	200.00	207.03	206.99	3.34	3.38	82.58	67.24	516.53	521.07	514.35	6.72	77.483		
300.00	299.98	306.92	306.83	3.44	3.52	-111.30	65.45	513.94	518.90	511.94	6.96	74.557		
358.34	358.26	361.84	361.72	3.52	3.61	-111.42	63.96	512.78	518.44	511.31	7.13	72.683		
400.00	399.84	399.95	399.81	3.59	3.69	-111.53	62.71	512.30	518.69	511.42	7.27	71.329		
500.00	499.45	494.77	494.55	3.79	3.89	-111.92	58.95	512.08	521.15	513.47	7.68	67.896		
600.00	598.70	595.03	594.67	4.03	4.15	-112.51	53.70	512.49	525.41	517.23	8.17	64.279		
700.00	697.47	713.96	713.25	4.31	4.50	-113.37	44.76	511.32	529.42	520.61	8.81	60.061		
800.00	795.62	831.63	830.08	4.64	4.91	-114.32	32.03	505.80	530.59	521.04	9.55	55.585		
900.00	893.06	931.41	928.74	5.00	5.30	-115.13	18.06	500.52	532.21	521.94	10.27	51.799		
1,000.00	989.64	1,035.01	1,030.80	5.40	5.74	-116.04	1.13	495.09	535.03	523.94	11.08	48.267		
1,100.00	1,085.27	1,133.44	1,127.62	5.83	6.18	-117.12	-15.65	489.44	538.91	526.98	11.93	45.184		
1,200.00	1,179.82	1,226.18	1,218.82	6.29	6.62	-118.30	-31.99	485.22	545.66	532.88	12.79	42.671		
1,235.00	1,212.63	1,260.72	1,252.75	6.46	6.79	-118.77	-38.29	483.88	548.67	535.56	13.11	41.850		
1,300.00	1,273.43	1,322.20	1,313.07	6.79	7.10	-119.67	-49.96	481.67	554.60	540.90	13.70	40.468		
1,400.00	1,366.98	1,409.99	1,399.34	7.30	7.54	-120.94	-66.05	479.60	565.38	550.78	14.60	38.728		
1,500.00	1,460.52	1,501.32	1,489.58	7.84	7.98	-122.46	-80.05	478.09	578.14	562.63	15.51	37.284		
1,600.00	1,554.07	1,603.10	1,590.42	8.38	8.47	-124.30	-93.61	475.59	591.34	574.87	16.46	35.921		
1,700.00	1,647.61	1,706.08	1,692.50	8.93	8.97	-126.12	-106.85	472.79	605.05	587.63	17.43	34.720		
1,800.00	1,741.16	1,814.86	1,800.02	9.49	9.51	-127.96	-122.20	466.80	616.16	597.73	18.43	33.436		
1,900.00	1,834.70	1,914.08	1,898.11	10.06	10.02	-129.50	-136.53	462.55	628.83	609.45	19.39	32.433		
2,000.00	1,928.25	2,022.01	2,004.45	10.63	10.59	-131.05	-153.80	455.96	639.55	619.15	20.40	31.343		
2,100.00	2,021.79	2,111.20	2,092.17	11.21	11.07	-132.16	-169.21	451.42	651.00	629.66	21.34	30.512		
2,200.00	2,115.33	2,208.37	2,187.87	11.79	11.60	-133.30	-185.66	447.83	664.06	641.75	22.31	29.759		
2,300.00	2,208.88	2,321.90	2,299.19	12.37	12.24	-134.39	-207.52	443.52	676.13	652.72	23.41	28.885		
2,400.00	2,302.42	2,407.55	2,382.85	12.96	12.74	-135.05	-225.63	440.64	687.74	663.38	24.36	28.233		
2,500.00	2,395.97	2,514.81	2,487.83	13.55	13.37	-135.86	-247.48	438.06	700.71	675.26	25.44	27.542		
2,600.00	2,489.51	2,642.26	2,612.19	14.14	14.13	-136.94	-274.23	430.37	710.30	683.69	26.61	26.695		
2,700.00	2,583.06	2,740.81	2,708.05	14.74	14.74	-137.75	-295.82	422.86	718.27	690.65	27.62	26.002		
2,800.00	2,676.60	2,829.13	2,794.27	15.34	15.27	-138.58	-313.63	415.88	727.19	698.61	28.57	25.448		
2,900.00	2,770.14	2,909.64	2,873.24	15.93	15.74	-139.38	-328.25	410.46	738.41	708.96	29.46	25.066		
3,000.00	2,863.69	3,000.83	2,962.96	16.53	16.25	-140.26	-343.84	405.48	751.51	721.12	30.39	24.733		
3,100.00	2,957.23	3,084.17	3,045.13	17.13	16.71	-141.07	-357.19	401.76	766.23	734.98	31.25	24.521		
3,200.00	3,050.78	3,163.82	3,123.92	17.74	17.13	-141.84	-368.58	399.23	783.24	751.18	32.06	24.430		
3,300.00	3,144.32	3,274.33	3,233.44	18.34	17.70	-142.94	-383.04	396.06	801.50	768.42	33.09	24.225		
3,400.00	3,237.87	3,400.15	3,357.61	18.94	18.39	-144.10	-402.23	389.59	816.81	782.61	34.21	23.879		
3,500.00	3,331.41	3,485.70	3,441.88	19.55	18.87	-144.79	-416.36	385.57	831.76	796.67	35.09	23.704		
3,600.00	3,424.96	3,578.01	3,532.90	20.15	19.38	-145.49	-431.32	381.88	847.64	811.63	36.01	23.539		
3,666.72	3,487.37	3,649.62	3,603.55	20.56	19.78	-146.06	-442.51	378.57	858.26	821.57	36.68	23.396		
3,700.00	3,518.57	3,686.22	3,639.65	20.76	19.98	-146.41	-448.18	376.54	863.24	826.22	37.02	23.316		
3,800.00	3,613.09	3,797.41	3,749.04	21.34	20.61	-147.23	-467.16	370.50	875.35	837.29	38.06	23.000		
3,900.00	3,708.70	3,904.04	3,853.66	21.90	21.24	-147.76	-486.93	364.61	883.52	844.45	39.07	22.613		
4,000.00	3,805.27	4,003.68	3,951.26	22.44	21.84	-148.05	-506.22	359.24	888.28	848.24	40.05	22.182		
4,100.00	3,902.69	4,105.53	4,051.07	22.95	22.45	-148.19	-525.82	353.91	890.31	849.29	41.03	21.701		
4,200.00	4,000.84	4,199.07	4,142.69	23.43	23.00	-148.18	-543.96	348.91	889.20	847.25	41.95	21.196		
4,300.00	4,099.59	4,323.81	4,264.88	23.89	23.76	-147.97	-568.19	342.30	885.30	842.25	43.05	20.565		
4,400.00	4,198.84	4,410.44	4,349.44	24.32	24.29	-147.64	-586.21	336.89	876.64	832.71	43.94	19.952		
4,500.00	4,298.45	4,525.86	4,462.23	24.73	25.00	-147.08	-609.62	329.67	865.46	820.49	44.97	19.246		
4,600.00	4,398.30	4,602.59	4,537.27	25.11	25.47	-146.56	-624.73	324.57	851.47	805.68	45.79	18.597		
4,701.72	4,500.00	4,715.61	4,648.04	25.45	26.15	48.12	-645.95	317.18	835.14	788.37	46.77	17.857		
4,800.00	4,598.28	4,793.23	4,724.21	25.74	26.60	48.58	-659.80	311.59	818.11	770.59	47.52	17.216		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,905.18	4,834.12	26.04	27.26	49.30	-679.59	304.04	801.38	752.92	48.47	16.535		
5,000.00	4,798.28	4,990.48	4,917.70	26.34	27.78	49.97	-695.88	299.07	784.47	735.16	49.31	15.909		
5,100.00	4,898.28	5,080.83	5,006.44	26.65	28.31	50.70	-712.26	294.53	768.94	718.76	50.18	15.324		
5,200.00	4,998.28	5,179.16	5,103.08	26.96	28.88	51.53	-729.87	290.11	754.10	702.99	51.11	14.755		
5,300.00	5,098.28	5,276.30	5,198.54	27.27	29.45	52.39	-747.30	285.76	739.42	687.37	52.04	14.208		
5,400.00	5,198.28	5,376.56	5,297.04	27.59	30.04	53.33	-765.55	281.43	724.88	671.87	53.01	13.674		
5,500.00	5,298.28	5,457.85	5,376.91	27.91	30.51	54.18	-780.42	279.00	711.54	657.67	53.87	13.207		
5,600.00	5,398.28	5,540.60	5,458.50	28.23	30.96	55.04	-794.15	277.89	700.75	646.04	54.72	12.807		
5,700.00	5,498.28	5,628.46	5,545.59	28.56	31.41	55.77	-805.65	276.68	692.13	636.59	55.54	12.461		
5,800.00	5,598.28	5,715.83	5,632.49	28.89	31.83	56.32	-814.59	275.33	685.12	628.81	56.31	12.167		
5,900.00	5,698.28	5,803.63	5,720.08	29.22	32.22	56.68	-820.59	274.00	680.07	623.05	57.02	11.928		
6,000.00	5,798.28	5,894.09	5,810.45	29.56	32.58	56.85	-824.05	272.47	676.56	618.87	57.69	11.728		
6,100.00	5,898.28	5,989.64	5,905.97	29.90	32.93	56.85	-825.26	270.62	674.24	615.87	58.36	11.553		
6,200.00	5,998.28	6,091.08	6,007.37	30.24	33.28	56.74	-825.44	267.96	671.94	612.86	59.08	11.373		
6,300.00	6,098.28	6,187.26	6,103.53	30.58	33.61	56.65	-825.77	265.54	669.65	609.92	59.74	11.210		
6,400.00	6,198.28	6,276.47	6,192.72	30.92	33.91	56.53	-825.08	263.87	668.53	608.25	60.29	11.089		
6,410.74	6,209.02	6,285.77	6,202.02	30.96	33.94	56.52	-825.02	263.82	668.52	608.18	60.34	11.079		
6,500.00	6,298.28	6,367.19	6,283.43	31.27	34.19	56.51	-824.57	264.28	669.20	608.34	60.86	10.996		
6,600.00	6,398.28	6,458.57	6,374.79	31.62	34.47	56.40	-822.68	264.74	670.78	609.37	61.41	10.923		
6,700.00	6,498.28	6,537.37	6,453.53	31.97	34.70	56.33	-820.45	266.74	674.54	612.80	61.73	10.927		
6,794.10	6,592.38	6,599.36	6,515.32	32.31	34.87	56.33	-817.74	270.84	682.01	620.28	61.73	11.049		
6,800.00	6,598.28	6,613.00	6,528.88	32.33	34.90	-33.45	-816.99	272.11	682.70	620.76	61.94	11.021		
6,850.00	6,648.21	6,639.76	6,555.44	32.51	34.97	-33.31	-815.59	275.00	686.39	624.63	61.75	11.115		
6,900.00	6,697.79	6,677.92	6,593.23	32.69	35.07	-33.34	-814.02	280.08	687.77	625.99	61.78	11.132		
6,950.00	6,746.73	6,708.00	6,622.92	32.86	35.15	-33.50	-813.14	284.85	686.81	625.27	61.54	11.161		
7,000.00	6,794.71	6,739.15	6,653.43	33.03	35.24	-33.78	-812.57	291.06	683.97	622.70	61.27	11.163		
7,050.00	6,841.44	6,764.90	6,678.34	33.20	35.30	-34.14	-812.38	297.56	679.69	618.93	60.75	11.187		
7,100.00	6,886.64	6,803.00	6,714.55	33.35	35.40	-34.67	-812.58	309.40	674.14	613.50	60.64	11.117		
7,150.00	6,930.03	6,820.19	6,730.61	33.50	35.44	-35.19	-812.88	315.50	666.64	607.00	59.64	11.178		
7,200.00	6,971.33	6,852.93	6,760.82	33.64	35.53	-35.94	-813.85	328.10	657.49	598.25	59.24	11.099		
7,250.00	7,010.30	6,885.67	6,790.45	33.77	35.61	-36.85	-815.38	341.93	646.44	587.63	58.81	10.991		
7,300.00	7,046.69	6,918.55	6,819.64	33.89	35.69	-37.95	-817.30	356.94	633.54	575.15	58.40	10.849		
7,350.00	7,080.28	6,951.27	6,848.35	34.00	35.76	-39.33	-818.97	372.55	618.85	560.86	57.99	10.672		
7,400.00	7,110.86	6,983.57	6,876.37	34.11	35.84	-41.02	-820.29	388.56	602.46	544.87	57.59	10.462		
7,450.00	7,138.25	6,994.00	6,885.34	34.21	35.86	-42.40	-820.65	393.86	585.08	529.17	55.91	10.465		
7,500.00	7,162.27	7,031.49	6,916.84	34.32	35.93	-44.82	-821.63	414.15	566.21	510.23	55.98	10.115		
7,550.00	7,182.77	7,054.01	6,935.04	34.43	35.97	-47.01	-821.97	427.41	547.20	491.99	55.20	9.913		
7,600.00	7,199.64	7,089.00	6,962.15	34.57	36.03	-50.03	-822.12	449.51	528.10	472.66	55.45	9.524		
7,650.00	7,212.76	7,089.00	6,962.15	34.76	36.03	-51.51	-822.12	449.51	508.53	455.07	53.46	9.512		
7,700.00	7,222.06	7,124.49	6,987.96	35.02	36.07	-55.06	-822.15	473.86	488.82	434.47	54.35	8.994		
7,750.00	7,227.47	7,149.53	7,004.98	35.37	36.10	-58.24	-822.32	492.22	469.53	414.70	54.84	8.563		
7,793.42	7,229.00	7,171.79	7,019.25	35.74	36.13	-61.17	-822.56	509.31	453.17	397.54	55.63	8.146		
7,800.00	7,229.01	7,184.00	7,026.71	35.80	36.14	-62.05	-822.74	518.97	450.88	394.53	56.35	8.001		
7,900.00	7,229.11	7,245.69	7,062.96	36.91	36.20	-66.55	-823.78	568.87	418.25	358.58	59.67	7.009		
8,000.00	7,229.22	7,317.68	7,102.93	38.28	36.28	-71.93	-825.07	628.72	393.21	329.02	64.19	6.126		
8,100.00	7,229.33	7,391.75	7,139.71	39.83	36.37	-77.24	-825.59	692.99	377.04	308.19	68.85	5.476		
8,200.00	7,229.43	7,475.58	7,174.60	41.53	36.51	-82.52	-825.85	769.17	368.31	294.77	73.54	5.008		
8,300.00	7,229.54	7,568.74	7,202.33	43.36	36.86	-86.82	-826.60	858.02	364.23	286.37	77.86	4.678		
8,400.00	7,229.65	7,660.10	7,217.85	45.30	37.65	-89.24	-826.94	948.00	362.92	281.23	81.70	4.442		
8,500.00	7,229.75	7,765.58	7,227.63	47.33	39.16	-90.77	-826.89	1,053.00	362.68	276.85	85.83	4.226		
8,590.76	7,229.85	7,850.98	7,230.84	49.25	40.67	-91.27	-827.86	1,138.33	361.45	272.07	89.38	4.044 CC		
8,600.00	7,229.86	7,859.09	7,231.07	49.45	40.82	-91.30	-827.83	1,146.45	361.46	271.74	89.73	4.028		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #22-5-4CHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 39-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,700.00	7,229.97	7,955.01	7,233.34	51.64	42.71	-91.64	-826.40	1,242.32	362.67	268.82	93.86	3.864				
8,800.00	7,230.07	8,055.53	7,235.11	53.89	44.85	-91.90	-824.70	1,342.81	364.09	265.77	98.32	3.703				
8,900.00	7,230.18	8,154.16	7,235.16	56.19	47.09	-91.88	-822.98	1,441.43	365.52	262.66	102.86	3.554				
9,000.00	7,230.29	8,251.67	7,234.70	58.55	49.41	-91.78	-820.69	1,538.91	367.52	260.02	107.50	3.419				
9,100.00	7,230.39	8,352.43	7,234.14	60.94	51.91	-91.67	-818.03	1,639.64	369.83	257.41	112.42	3.290				
9,200.00	7,230.50	8,448.27	7,233.88	63.38	54.37	-91.60	-815.18	1,735.43	372.47	255.23	117.24	3.177				
9,300.00	7,230.61	8,557.95	7,232.34	65.85	57.28	-91.34	-812.51	1,845.06	374.55	251.76	122.79	3.050				
9,400.00	7,230.72	8,655.19	7,230.59	68.35	59.94	-91.05	-811.11	1,942.27	375.63	247.76	127.87	2.938				
9,500.00	7,230.82	8,748.65	7,230.22	70.87	62.53	-90.97	-808.68	2,035.70	377.90	245.05	132.85	2.845				
9,600.00	7,230.93	8,843.42	7,231.62	73.42	65.20	-91.16	-804.68	2,130.37	381.82	243.84	137.97	2.767				
9,700.00	7,231.04	8,949.21	7,233.44	75.99	68.23	-91.40	-800.55	2,236.07	385.44	241.66	143.78	2.681				
9,800.00	7,231.14	9,051.55	7,235.81	78.59	71.21	-91.72	-797.45	2,338.32	388.20	238.76	149.45	2.598				
9,900.00	7,231.25	9,157.00	7,238.85	81.19	74.32	-92.15	-795.50	2,443.71	389.83	234.49	155.33	2.510				
10,000.00	7,231.36	9,257.56	7,241.29	83.82	77.33	-92.49	-794.66	2,544.24	390.43	229.43	161.00	2.425				
10,100.00	7,231.46	9,359.52	7,243.87	86.46	80.40	-92.84	-793.36	2,646.15	391.50	224.74	166.76	2.348				
10,200.00	7,231.57	9,462.74	7,246.28	89.11	83.55	-93.18	-793.67	2,749.35	390.99	218.37	172.62	2.265				
10,300.00	7,231.68	9,563.46	7,248.52	91.77	86.64	-93.50	-793.86	2,850.04	390.60	212.23	178.37	2.190				
10,376.49	7,231.76	9,637.36	7,250.02	93.82	88.91	-93.71	-794.17	2,923.93	390.13	207.49	182.64	2.136				
10,400.00	7,231.78	9,658.86	7,250.88	94.45	89.58	-93.84	-794.10	2,945.41	390.20	206.31	183.89	2.122				
10,500.00	7,231.89	9,762.27	7,256.36	97.14	92.78	-94.62	-793.50	3,048.67	390.86	201.09	189.78	2.060				
10,600.00	7,232.00	9,865.01	7,259.54	99.83	95.99	-95.08	-794.32	3,151.35	389.99	194.34	195.65	1.993				
10,700.00	7,232.10	9,963.13	7,261.69	102.53	99.06	-95.39	-795.00	3,249.45	389.18	187.85	201.33	1.933				
10,739.60	7,232.15	10,000.74	7,262.60	103.61	100.24	-95.52	-795.08	3,287.05	389.06	185.54	203.52	1.912				
10,800.00	7,232.21	10,057.22	7,263.37	105.25	102.01	-95.63	-794.68	3,343.52	389.36	182.55	206.81	1.883				
10,900.00	7,232.32	10,155.95	7,263.36	107.96	105.12	-95.59	-793.08	3,442.23	390.64	178.05	212.58	1.838				
11,000.00	7,232.42	10,246.67	7,264.10	110.69	107.97	-95.65	-790.70	3,532.91	393.01	175.17	217.84	1.804				
11,100.00	7,232.53	10,341.50	7,267.07	113.42	110.96	-96.01	-786.43	3,627.60	397.48	174.23	223.25	1.780				
11,200.00	7,232.64	10,457.05	7,268.84	116.16	114.61	-96.19	-782.29	3,743.05	400.93	170.83	230.10	1.742				
11,300.00	7,232.74	10,551.83	7,269.37	118.90	117.62	-96.22	-780.17	3,837.80	402.87	167.20	235.67	1.709				
11,400.00	7,232.85	10,666.09	7,272.47	121.65	121.27	-96.64	-780.02	3,952.00	402.91	160.68	242.23	1.663				
11,500.00	7,232.96	10,763.52	7,276.20	124.41	124.40	-97.17	-780.71	4,049.36	402.32	154.47	247.85	1.623				
11,600.00	7,233.06	10,868.64	7,277.23	127.16	127.78	-97.33	-781.69	4,154.46	401.19	147.24	253.95	1.580				
11,700.00	7,233.17	10,966.51	7,276.02	129.92	130.93	-97.17	-783.19	4,252.32	399.20	139.35	259.85	1.536				
11,743.79	7,233.22	11,005.39	7,275.80	131.14	132.18	-97.14	-783.27	4,291.19	398.93	136.70	262.22	1.521				
11,800.00	7,233.28	11,057.72	7,275.99	132.69	133.86	-97.15	-782.80	4,343.53	399.26	133.91	265.35	1.505				
11,900.00	7,233.38	11,152.69	7,277.70	135.46	136.92	-97.36	-781.21	4,438.46	400.82	129.92	270.90	1.480	Level 3			
12,000.00	7,233.49	11,249.04	7,279.30	138.23	140.02	-97.52	-778.32	4,534.75	403.68	127.15	276.53	1.460	Level 3			
12,100.00	7,233.60	11,350.05	7,280.23	141.01	143.27	-97.58	-775.00	4,635.71	406.72	124.20	282.52	1.440	Level 3			
12,200.00	7,233.71	11,451.56	7,280.30	143.79	146.54	-97.53	-771.95	4,737.17	409.37	120.76	288.61	1.418	Level 3			
12,300.00	7,233.81	11,551.24	7,279.63	146.57	149.76	-97.37	-769.07	4,836.81	411.82	117.19	294.62	1.398	Level 3			
12,400.00	7,233.92	11,649.17	7,277.71	149.35	152.93	-97.04	-765.76	4,934.66	414.60	113.99	300.61	1.379	Level 3			
12,500.00	7,234.03	11,745.92	7,274.92	152.14	156.05	-96.59	-761.73	5,031.29	418.06	111.52	306.54	1.364	Level 3, ES, SF			
12,600.00	7,234.13	11,784.00	7,273.79	154.93	157.28	-96.40	-760.00	5,069.31	426.42	121.62	304.79	1.399	Level 3			
12,700.00	7,234.24	11,784.00	7,273.79	157.72	157.28	-96.40	-760.00	5,069.31	455.45	168.04	287.41	1.585				
12,800.00	7,234.35	11,784.00	7,273.79	160.52	157.28	-96.40	-760.00	5,069.31	503.03	240.17	262.86	1.914				
12,900.00	7,234.45	11,784.00	7,273.79	163.31	157.28	-96.40	-760.00	5,069.31	564.49	327.21	237.27	2.379				
13,000.00	7,234.56	11,784.00	7,273.79	166.11	157.28	-96.40	-760.00	5,069.31	635.80	421.87	213.93	2.972				
13,100.00	7,234.67	11,784.00	7,273.79	168.91	157.28	-96.40	-760.00	5,069.31	714.04	520.12	193.92	3.682				
13,200.00	7,234.77	11,784.00	7,273.79	171.71	157.28	-96.40	-760.00	5,069.31	797.15	619.95	177.20	4.499				
13,300.00	7,234.88	11,784.00	7,273.79	174.52	157.28	-96.40	-760.00	5,069.31	883.78	720.41	163.37	5.410				
13,400.00	7,234.99	11,784.00	7,273.79	177.32	157.28	-96.40	-760.00	5,069.31	972.97	821.04	151.93	6.404				
13,500.00	7,235.09	11,784.00	7,273.79	180.13	157.28	-96.40	-760.00	5,069.31	1,064.08	921.65	142.43	7.471				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,600.00	7,235.20	11,784.00	7,273.79	182.94	157.28	-96.40	-760.00	5,069.31	1,156.66	1,022.16	134.50	8.600		
13,700.00	7,235.31	11,784.00	7,273.79	185.74	157.28	-96.40	-760.00	5,069.31	1,250.39	1,122.55	127.84	9.781		
13,800.00	7,235.41	11,784.00	7,273.79	188.56	157.28	-96.40	-760.00	5,069.31	1,345.02	1,222.81	122.21	11.006		
13,900.00	7,235.52	11,784.00	7,273.79	191.37	157.28	-96.40	-760.00	5,069.31	1,440.38	1,322.96	117.41	12.268		
14,000.00	7,235.63	11,784.00	7,273.79	194.18	157.28	-96.40	-760.00	5,069.31	1,536.32	1,423.01	113.31	13.559		
14,100.00	7,235.73	11,784.00	7,273.79	197.00	157.28	-96.40	-760.00	5,069.31	1,632.76	1,522.98	109.77	14.874		
14,200.00	7,235.84	11,784.00	7,273.79	199.81	157.28	-96.40	-760.00	5,069.31	1,729.59	1,622.88	106.71	16.208		
14,300.00	7,235.95	11,784.00	7,273.79	202.63	157.28	-96.40	-760.00	5,069.31	1,826.77	1,722.72	104.05	17.557		
14,400.00	7,236.05	11,784.00	7,273.79	205.44	157.28	-96.40	-760.00	5,069.31	1,924.24	1,822.52	101.72	18.917		
14,500.00	7,236.16	11,784.00	7,273.79	208.26	157.28	-96.40	-760.00	5,069.31	2,021.96	1,922.28	99.68	20.285		
14,600.00	7,236.27	11,784.00	7,273.79	211.08	157.28	-96.40	-760.00	5,069.31	2,119.89	2,022.01	97.88	21.659		
14,700.00	7,236.37	11,784.00	7,273.79	213.90	157.28	-96.40	-760.00	5,069.31	2,218.00	2,121.72	96.28	23.037		
14,800.00	7,236.48	11,784.00	7,273.79	216.72	157.28	-96.40	-760.00	5,069.31	2,316.27	2,221.41	94.87	24.416		
14,900.00	7,236.59	11,784.00	7,273.79	219.55	157.28	-96.40	-760.00	5,069.31	2,414.69	2,321.09	93.60	25.797		
15,000.00	7,236.69	11,784.00	7,273.79	222.37	157.28	-96.40	-760.00	5,069.31	2,513.23	2,420.75	92.48	27.177		
15,100.00	7,236.80	11,784.00	7,273.79	225.19	157.28	-96.40	-760.00	5,069.31	2,611.88	2,520.41	91.47	28.555		
15,200.00	7,236.91	11,784.00	7,273.79	228.02	157.28	-96.40	-760.00	5,069.31	2,710.63	2,620.07	90.56	29.931		
15,300.00	7,237.02	11,784.00	7,273.79	230.84	157.28	-96.40	-760.00	5,069.31	2,809.47	2,719.73	89.75	31.304		
15,400.00	7,237.12	11,784.00	7,273.79	233.67	157.28	-96.40	-760.00	5,069.31	2,908.39	2,819.38	89.01	32.674		
15,500.00	7,237.23	11,784.00	7,273.79	236.50	157.28	-96.40	-760.00	5,069.31	3,007.38	2,919.03	88.35	34.040		
15,600.00	7,237.34	11,784.00	7,273.79	239.32	157.28	-96.40	-760.00	5,069.31	3,106.44	3,018.69	87.75	35.402		
15,700.00	7,237.44	11,784.00	7,273.79	242.15	157.28	-96.40	-760.00	5,069.31	3,205.55	3,118.35	87.20	36.760		
15,800.00	7,237.55	11,784.00	7,273.79	244.98	157.28	-96.40	-760.00	5,069.31	3,304.72	3,218.01	86.71	38.113		
15,900.00	7,237.66	11,784.00	7,273.79	247.81	157.28	-96.40	-760.00	5,069.31	3,403.93	3,317.67	86.26	39.461		
16,000.00	7,237.76	11,784.00	7,273.79	250.64	157.28	-96.40	-760.00	5,069.31	3,503.19	3,417.34	85.85	40.805		
16,100.00	7,237.87	11,784.00	7,273.79	253.47	157.28	-96.40	-760.00	5,069.31	3,602.50	3,517.01	85.48	42.143		
16,200.00	7,237.98	11,784.00	7,273.79	256.30	157.28	-96.40	-760.00	5,069.31	3,701.83	3,616.69	85.15	43.477		
16,300.00	7,238.08	11,784.00	7,273.79	259.13	157.28	-96.40	-760.00	5,069.31	3,801.21	3,716.37	84.84	44.805		
16,400.00	7,238.19	11,784.00	7,273.79	261.96	157.28	-96.40	-760.00	5,069.31	3,900.61	3,816.05	84.56	46.129		
16,500.00	7,238.30	11,784.00	7,273.79	264.79	157.28	-96.40	-760.00	5,069.31	4,000.05	3,915.74	84.30	47.447		
16,600.00	7,238.40	11,784.00	7,273.79	267.63	157.28	-96.40	-760.00	5,069.31	4,099.51	4,015.44	84.07	48.761		
16,700.00	7,238.51	11,784.00	7,273.79	270.46	157.28	-96.40	-760.00	5,069.31	4,199.00	4,115.14	83.86	50.069		
16,800.00	7,238.62	11,784.00	7,273.79	273.29	157.28	-96.40	-760.00	5,069.31	4,298.51	4,214.84	83.67	51.372		
16,900.00	7,238.72	11,784.00	7,273.79	276.13	157.28	-96.40	-760.00	5,069.31	4,398.05	4,314.55	83.50	52.671		
17,000.00	7,238.83	11,784.00	7,273.79	278.96	157.28	-96.40	-760.00	5,069.31	4,497.60	4,414.26	83.34	53.964		
17,100.00	7,238.94	11,784.00	7,273.79	281.80	157.28	-96.40	-760.00	5,069.31	4,597.17	4,513.97	83.20	55.252		
17,200.00	7,239.04	11,784.00	7,273.79	284.63	157.28	-96.40	-760.00	5,069.31	4,696.77	4,613.69	83.08	56.535		
17,300.00	7,239.15	11,784.00	7,273.79	287.47	157.28	-96.40	-760.00	5,069.31	4,796.38	4,713.41	82.96	57.814		
17,400.00	7,239.26	11,784.00	7,273.79	290.30	157.28	-96.40	-760.00	5,069.31	4,896.00	4,813.14	82.86	59.087		
17,500.00	7,239.36	11,784.00	7,273.79	293.14	157.28	-96.40	-760.00	5,069.31	4,995.64	4,912.87	82.77	60.355		
17,600.00	7,239.47	11,784.00	7,273.79	295.98	157.28	-96.40	-760.00	5,069.31	5,095.30	5,012.61	82.69	61.619		
17,700.00	7,239.58	11,784.00	7,273.79	298.81	157.28	-96.40	-760.00	5,069.31	5,194.96	5,112.34	82.62	62.878		
17,800.00	7,239.68	11,784.00	7,273.79	301.65	157.28	-96.40	-760.00	5,069.31	5,294.64	5,212.08	82.56	64.132		
17,900.00	7,239.79	11,784.00	7,273.79	304.49	157.28	-96.40	-760.00	5,069.31	5,394.33	5,311.83	82.51	65.381		
18,000.00	7,239.90	11,784.00	7,273.79	307.33	157.28	-96.40	-760.00	5,069.31	5,494.04	5,411.58	82.46	66.625		
18,095.23	7,240.00	11,784.00	7,273.79	310.03	157.28	-96.40	-760.00	5,069.31	5,588.99	5,506.57	82.43	67.806		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	76.25	128.61	525.57	541.12					
100.00	100.00	97.68	97.68	3.28	3.30	76.25	128.44	524.83	540.34	533.75	6.58	82.080		
200.00	200.00	197.50	197.49	3.34	3.37	76.28	127.99	524.11	539.53	532.83	6.71	80.423		
274.72	274.71	274.25	274.24	3.41	3.47	-117.65	127.87	523.38	539.27	532.39	6.87	78.448 CC		
300.00	299.98	300.58	300.57	3.44	3.50	-117.73	127.82	523.04	539.29	532.35	6.94	77.666 ES		
400.00	399.84	405.18	405.15	3.59	3.69	-118.28	127.80	521.06	539.92	532.64	7.28	74.157		
500.00	499.45	501.40	501.35	3.79	3.90	-119.10	128.00	518.97	542.07	534.38	7.69	70.505		
600.00	598.70	596.26	596.20	4.03	4.14	-120.07	127.66	517.86	546.89	538.72	8.17	66.943		
700.00	697.47	698.03	697.96	4.31	4.43	-121.28	126.43	517.15	553.92	545.18	8.74	63.409		
800.00	795.62	804.54	804.43	4.64	4.75	-122.73	123.93	515.67	562.08	552.70	9.38	59.924		
900.00	893.06	891.50	891.37	5.00	5.03	-124.08	122.26	514.70	572.95	562.94	10.01	57.231		
1,000.00	989.64	981.02	980.88	5.40	5.33	-125.66	121.49	514.71	587.78	577.09	10.68	55.011		
1,100.00	1,085.27	1,071.71	1,071.56	5.83	5.62	-127.40	121.35	515.47	606.40	595.02	11.39	53.250		
1,200.00	1,179.82	1,162.99	1,162.84	6.29	5.93	-129.21	121.42	516.83	628.66	616.53	12.12	51.855		
1,235.00	1,212.63	1,195.32	1,195.16	6.46	6.04	-129.86	121.41	517.43	637.28	624.89	12.39	51.432		
1,300.00	1,273.43	1,256.22	1,256.05	6.79	6.25	-131.33	121.59	518.45	653.85	640.96	12.89	50.717		
1,400.00	1,366.98	1,350.42	1,350.24	7.30	6.59	-133.52	122.39	519.66	680.09	666.42	13.68	49.721		
1,500.00	1,460.52	1,444.86	1,444.66	7.84	6.93	-135.60	123.49	520.44	707.05	692.57	14.48	48.828		
1,600.00	1,554.07	1,538.18	1,537.97	8.38	7.28	-137.57	125.03	520.75	734.74	719.45	15.29	48.056		
1,700.00	1,647.61	1,631.36	1,631.14	8.93	7.64	-139.40	126.66	520.99	763.20	747.09	16.11	47.383		
1,800.00	1,741.16	1,725.66	1,725.43	9.49	8.00	-141.14	128.45	521.02	792.29	775.35	16.94	46.773		
1,900.00	1,834.70	1,818.71	1,818.46	10.06	8.36	-142.76	130.22	520.80	821.84	804.07	17.77	46.247		
2,000.00	1,928.25	1,910.69	1,910.42	10.63	8.73	-144.25	132.03	520.70	852.10	833.50	18.60	45.808		
2,100.00	2,021.79	2,001.59	2,001.28	11.21	9.09	-145.68	134.55	520.00	882.97	863.54	19.43	45.445		
2,200.00	2,115.33	2,101.60	2,101.01	11.79	9.50	-147.46	140.73	516.05	914.54	894.23	20.32	45.017		
2,300.00	2,208.88	2,238.76	2,237.35	12.37	10.06	-150.00	149.60	504.28	944.19	922.75	21.43	44.056		
2,400.00	2,302.42	2,332.41	2,330.40	12.96	10.46	-151.62	153.70	494.44	971.88	949.58	22.29	43.593		
2,500.00	2,395.97	2,417.64	2,415.18	13.55	10.82	-152.96	157.04	486.41	1,000.59	977.48	23.11	43.296		
2,600.00	2,489.51	2,503.67	2,500.84	14.14	11.19	-154.21	160.45	479.21	1,030.54	1,006.61	23.93	43.063		
2,700.00	2,583.06	2,597.69	2,594.50	14.74	11.60	-155.48	164.17	471.85	1,061.30	1,036.50	24.81	42.781		
2,800.00	2,676.60	2,695.05	2,691.46	15.34	12.02	-156.74	167.88	463.79	1,092.18	1,066.47	25.71	42.479		
2,900.00	2,770.14	2,782.06	2,778.04	15.93	12.40	-157.83	171.44	456.11	1,123.40	1,096.86	26.55	42.318		
3,000.00	2,863.69	2,876.33	2,871.68	16.53	12.82	-159.05	176.69	446.45	1,155.46	1,128.02	27.44	42.113		
3,100.00	2,957.23	2,965.35	2,950.19	17.13	13.18	-160.01	180.91	438.61	1,187.97	1,159.75	28.22	42.099		
3,200.00	3,050.78	3,035.47	3,029.76	17.74	13.54	-160.95	186.46	431.14	1,222.34	1,193.34	29.00	42.144		
3,300.00	3,144.32	3,136.40	3,130.11	18.34	14.00	-162.04	192.83	422.26	1,256.87	1,226.92	29.96	41.956		
3,400.00	3,237.87	3,223.67	3,216.91	18.94	14.39	-162.91	197.75	414.72	1,291.30	1,260.50	30.80	41.921		
3,500.00	3,331.41	3,297.24	3,290.10	19.55	14.73	-163.60	202.58	409.06	1,327.13	1,295.60	31.53	42.087		
3,600.00	3,424.96	3,388.53	3,380.95	20.15	15.14	-164.40	208.83	402.67	1,363.77	1,331.36	32.41	42.076		
3,666.72	3,487.37	3,451.58	3,443.72	20.56	15.43	-164.92	213.00	398.43	1,388.29	1,355.28	33.02	42.047		
3,700.00	3,518.57	3,483.15	3,475.16	20.76	15.57	-165.23	215.03	396.32	1,400.35	1,367.03	33.32	42.028		
3,800.00	3,613.09	3,577.66	3,569.29	21.34	16.00	-166.08	220.91	390.25	1,434.50	1,400.29	34.22	41.925		
3,900.00	3,708.70	3,670.17	3,661.45	21.90	16.42	-166.82	226.55	384.49	1,465.60	1,430.52	35.08	41.777		
4,000.00	3,805.27	3,816.05	3,806.98	22.44	17.06	-167.66	232.01	376.50	1,491.80	1,455.42	36.38	41.008		
4,100.00	3,902.69	3,910.72	3,901.50	22.95	17.48	-168.13	233.83	371.69	1,513.41	1,476.18	37.23	40.647		
4,200.00	4,000.84	3,993.56	3,984.23	23.43	17.84	-168.49	235.58	367.80	1,532.11	1,494.14	37.97	40.347		
4,300.00	4,099.59	4,099.38	4,090.03	23.89	18.28	-168.72	237.12	367.28	1,548.66	1,509.79	38.87	39.841		
4,400.00	4,198.84	4,218.86	4,209.50	24.32	18.76	-168.82	235.53	368.08	1,559.67	1,519.83	39.84	39.151		
4,500.00	4,298.45	4,332.21	4,322.82	24.73	19.21	-168.88	233.55	368.33	1,566.80	1,526.06	40.74	38.461		
4,600.00	4,398.30	4,396.76	4,387.36	25.11	19.46	-168.88	232.63	368.96	1,571.12	1,529.86	41.26	38.080		
4,701.72	4,500.00	4,480.74	4,471.32	25.45	19.80	24.98	232.75	370.97	1,573.99	1,532.11	41.89	37.577		
4,800.00	4,598.28	4,570.33	4,560.89	25.74	20.16	25.04	233.40	372.88	1,575.53	1,532.99	42.54	37.034		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,661.27	4,651.80	26.04	20.53	25.05	235.09	374.20	1,577.83	1,534.61	43.22	36.511		
5,000.00	4,798.28	4,758.60	4,749.09	26.34	20.94	25.05	237.44	375.16	1,580.43	1,536.47	43.95	35.959		
5,100.00	4,898.28	4,867.55	4,858.02	26.65	21.40	25.03	240.15	375.89	1,582.98	1,538.19	44.79	35.341		
5,200.00	4,998.28	5,015.62	5,006.07	26.96	22.02	25.01	241.15	375.76	1,583.55	1,537.60	45.95	34.466		
5,300.00	5,098.28	5,110.00	5,100.44	27.27	22.41	24.97	241.03	374.33	1,582.79	1,536.12	46.67	33.912		
5,400.00	5,198.28	5,205.83	5,196.25	27.59	22.82	24.90	241.40	372.59	1,582.38	1,534.96	47.42	33.369		
5,500.00	5,298.28	5,304.43	5,294.83	27.91	23.25	24.83	241.99	370.55	1,582.05	1,533.86	48.19	32.827		
5,600.00	5,398.28	5,407.93	5,398.30	28.23	23.69	24.75	242.90	368.51	1,582.03	1,533.03	49.01	32.282		
5,700.00	5,498.28	5,524.80	5,515.16	28.56	24.18	24.72	241.69	367.19	1,580.55	1,530.63	49.91	31.667		
5,800.00	5,598.28	5,614.33	5,604.68	28.89	24.55	24.71	240.87	366.46	1,579.37	1,528.76	50.61	31.205		
5,900.00	5,698.28	5,704.74	5,695.09	29.22	24.93	24.69	240.71	365.64	1,578.84	1,527.51	51.33	30.760		
5,942.21	5,740.49	5,743.15	5,733.49	29.36	25.10	24.67	240.87	365.19	1,578.78	1,527.15	51.63	30.577		
6,000.00	5,798.28	5,799.67	5,790.01	29.56	25.33	24.64	241.19	364.59	1,578.83	1,526.75	52.08	30.317		
6,100.00	5,898.28	5,893.56	5,883.90	29.90	25.72	24.65	241.22	364.86	1,578.99	1,526.17	52.82	29.896		
6,200.00	5,998.28	5,981.44	5,971.78	30.24	26.09	24.65	241.93	365.21	1,579.88	1,526.37	53.51	29.526		
6,300.00	6,098.28	6,082.21	6,072.53	30.58	26.52	24.63	243.53	365.11	1,581.29	1,526.98	54.31	29.116		
6,400.00	6,198.28	6,184.96	6,175.27	30.92	26.95	24.63	244.33	365.46	1,582.12	1,526.99	55.13	28.698		
6,500.00	6,298.28	6,261.48	6,251.79	31.27	27.27	24.61	245.52	365.63	1,583.69	1,527.96	55.73	28.417		
6,600.00	6,398.28	6,329.00	6,319.16	31.62	27.55	24.74	246.41	369.73	1,587.36	1,531.12	56.23	28.228		
6,700.00	6,498.28	6,369.49	6,359.23	31.97	27.70	24.92	246.70	375.46	1,593.86	1,537.44	56.43	28.247		
6,794.10	6,592.38	6,424.00	6,412.05	32.31	27.90	25.35	246.67	388.78	1,603.41	1,546.69	56.72	28.268		
6,800.00	6,598.28	6,424.00	6,412.05	32.33	27.90	-64.41	246.67	388.78	1,604.05	1,547.35	56.70	28.290		
6,850.00	6,648.21	6,437.95	6,425.34	32.51	27.95	-63.88	246.61	393.04	1,609.27	1,552.61	56.66	28.402		
6,900.00	6,697.79	6,472.70	6,458.28	32.69	28.08	-63.32	246.46	404.10	1,613.45	1,556.62	56.84	28.387		
6,950.00	6,746.73	6,507.70	6,491.24	32.86	28.20	-62.93	246.34	415.85	1,616.35	1,559.35	57.01	28.354		
7,000.00	6,794.71	6,519.00	6,501.84	33.03	28.24	-62.75	246.30	419.78	1,618.18	1,561.32	56.86	28.457		
7,050.00	6,841.44	6,551.71	6,532.20	33.20	28.36	-62.65	246.39	431.94	1,618.85	1,561.87	56.98	28.411		
7,100.00	6,886.64	6,571.20	6,550.01	33.35	28.43	-62.67	246.63	439.86	1,618.80	1,561.89	56.91	28.443		
7,150.00	6,930.03	6,614.00	6,588.29	33.50	28.58	-62.87	247.61	458.95	1,618.32	1,561.16	57.16	28.311		
7,200.00	6,971.33	6,614.00	6,588.29	33.64	28.58	-63.04	247.61	458.95	1,616.14	1,559.32	56.82	28.443		
7,250.00	7,010.30	6,714.67	6,675.73	33.77	28.98	-63.86	247.29	508.78	1,612.51	1,554.59	57.92	27.842		
7,300.00	7,046.69	6,735.29	6,693.12	33.89	29.08	-64.46	246.57	519.84	1,606.59	1,548.66	57.94	27.729		
7,350.00	7,080.28	6,760.45	6,713.84	34.00	29.20	-65.20	245.60	534.08	1,599.76	1,541.71	58.05	27.557		
7,400.00	7,110.86	6,785.62	6,733.97	34.11	29.31	-66.04	244.55	549.14	1,592.07	1,533.86	58.21	27.350		
7,450.00	7,138.25	6,804.00	6,748.29	34.21	29.40	-66.92	243.74	560.64	1,583.61	1,525.28	58.33	27.150		
7,500.00	7,162.27	6,839.28	6,775.03	34.32	29.60	-68.10	242.14	583.59	1,574.29	1,515.50	58.79	26.779		
7,550.00	7,182.77	6,866.78	6,795.31	34.43	29.76	-69.31	240.92	602.12	1,564.29	1,505.08	59.21	26.420		
7,600.00	7,199.64	6,899.00	6,818.41	34.57	29.94	-70.72	239.51	624.53	1,553.68	1,493.89	59.79	25.985		
7,650.00	7,212.76	6,899.00	6,818.41	34.76	29.94	-71.67	239.51	624.53	1,542.78	1,482.78	60.01	25.710		
7,700.00	7,222.06	6,931.10	6,840.51	35.02	30.17	-73.26	238.32	647.78	1,531.43	1,470.60	60.83	25.178		
7,750.00	7,227.47	6,948.42	6,851.95	35.37	30.30	-74.62	237.84	660.77	1,520.21	1,458.70	61.52	24.712		
7,793.42	7,229.00	6,963.19	6,861.44	35.74	30.40	-75.82	237.52	672.10	1,510.55	1,448.35	62.19	24.287		
7,800.00	7,229.01	6,965.42	6,862.84	35.80	30.42	-75.87	237.48	673.82	1,509.10	1,446.80	62.30	24.222		
7,900.00	7,229.11	6,994.00	6,880.38	36.91	30.62	-76.53	237.12	696.39	1,489.59	1,425.59	64.00	23.276		
8,000.00	7,229.22	7,054.72	6,914.27	38.28	31.18	-77.82	236.71	746.73	1,474.02	1,407.59	66.42	22.191		
8,100.00	7,229.33	7,110.39	6,941.15	39.83	31.74	-78.84	236.39	795.46	1,462.00	1,393.06	68.93	21.208		
8,200.00	7,229.43	7,168.49	6,964.88	41.53	32.41	-79.76	236.32	848.49	1,453.28	1,381.63	71.65	20.283		
8,300.00	7,229.54	7,250.21	6,991.78	43.36	33.50	-80.81	236.35	925.63	1,447.09	1,372.18	74.91	19.319		
8,400.00	7,229.65	7,321.74	7,011.03	45.30	34.59	-81.56	236.17	994.51	1,442.35	1,364.17	78.17	18.450		
8,500.00	7,229.75	7,388.62	7,026.05	47.33	35.68	-82.15	237.13	1,059.66	1,440.18	1,358.69	81.50	17.672		
8,585.26	7,229.85	7,462.53	7,037.50	49.14	37.01	-82.60	238.44	1,132.66	1,439.66	1,354.91	84.74	16.988		
8,600.00	7,229.86	7,460.00	7,037.21	49.45	36.96	-82.59	238.40	1,130.14	1,439.73	1,354.71	85.01	16.935		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	7,600.10	7,049.93	51.64	39.75	-83.10	242.06	1,269.56	1,441.51	1,351.42	90.09	16.002		
8,800.00	7,230.07	7,687.10	7,052.20	53.89	41.64	-83.19	241.52	1,356.53	1,440.26	1,346.02	94.24	15.283		
8,832.94	7,230.11	7,707.85	7,052.42	54.65	42.10	-83.19	241.50	1,377.27	1,440.10	1,344.63	95.47	15.084		
8,900.00	7,230.18	7,747.42	7,052.56	56.19	43.00	-83.20	242.06	1,416.84	1,440.78	1,342.87	97.91	14.715		
9,000.00	7,230.29	7,828.19	7,052.15	58.55	44.90	-83.19	244.42	1,497.57	1,443.42	1,341.29	102.13	14.133		
9,100.00	7,230.39	7,922.46	7,052.22	60.94	47.21	-83.20	248.01	1,591.77	1,446.89	1,340.07	106.82	13.546		
9,200.00	7,230.50	8,030.09	7,053.03	63.38	49.96	-83.25	252.15	1,699.32	1,450.32	1,338.32	112.00	12.950		
9,300.00	7,230.61	8,178.28	7,057.30	65.85	53.93	-83.42	255.24	1,847.41	1,451.74	1,333.27	118.47	12.254		
9,400.00	7,230.72	8,280.57	7,061.37	68.35	56.76	-83.58	255.31	1,949.62	1,451.05	1,327.22	123.82	11.719		
9,500.00	7,230.82	8,395.61	7,067.37	70.87	60.01	-83.81	255.68	2,064.50	1,450.53	1,320.90	129.63	11.190		
9,600.00	7,230.93	8,482.18	7,071.53	73.42	62.51	-83.96	255.45	2,150.97	1,449.47	1,314.74	134.72	10.759		
9,700.00	7,231.04	8,578.95	7,075.39	75.99	65.33	-84.11	255.93	2,247.66	1,449.24	1,309.09	140.14	10.341		
9,751.10	7,231.09	8,626.70	7,077.50	77.32	66.73	-84.19	256.22	2,295.36	1,449.15	1,306.26	142.89	10.142		
9,800.00	7,231.14	8,670.36	7,079.27	78.59	68.03	-84.26	256.61	2,338.98	1,449.24	1,303.78	145.47	9.963		
9,900.00	7,231.25	8,766.54	7,082.51	81.19	70.89	-84.39	257.77	2,435.11	1,449.80	1,298.83	150.96	9.604		
10,000.00	7,231.36	8,852.51	7,084.43	83.82	73.47	-84.47	259.10	2,521.04	1,450.82	1,294.65	156.17	9.290		
10,100.00	7,231.46	8,967.97	7,086.05	86.46	76.97	-84.53	261.25	2,636.47	1,452.29	1,289.98	162.31	8.948		
10,200.00	7,231.57	9,082.29	7,089.35	89.11	80.47	-84.66	261.96	2,750.74	1,452.32	1,283.84	168.48	8.620		
10,300.00	7,231.68	9,200.61	7,094.77	91.77	84.12	-84.86	261.38	2,868.92	1,451.08	1,276.26	174.82	8.301		
10,400.00	7,231.78	9,303.92	7,098.58	94.45	87.33	-85.00	260.16	2,972.16	1,449.27	1,268.54	180.72	8.019		
10,500.00	7,231.89	9,402.19	7,100.64	97.14	90.40	-85.07	258.71	3,070.40	1,447.31	1,260.82	186.49	7.761		
10,600.00	7,232.00	9,479.68	7,100.91	99.83	92.82	-85.08	257.89	3,147.88	1,445.99	1,254.36	191.63	7.546		
10,608.91	7,232.01	9,484.95	7,100.91	100.07	92.99	-85.08	257.90	3,153.15	1,445.98	1,253.94	192.04	7.530		
10,700.00	7,232.10	9,548.00	7,100.84	102.53	94.96	-85.07	259.04	3,216.19	1,447.20	1,250.76	196.44	7.367		
10,800.00	7,232.21	9,612.19	7,101.22	105.25	96.98	-85.09	261.66	3,280.32	1,450.72	1,249.68	201.04	7.216		
10,900.00	7,232.32	9,712.33	7,103.95	107.96	100.12	-85.21	266.96	3,380.28	1,455.45	1,248.52	206.93	7.034		
11,000.00	7,232.42	9,862.56	7,110.57	110.69	104.88	-85.48	272.10	3,530.26	1,458.23	1,243.60	214.63	6.794		
11,100.00	7,232.53	10,000.00	7,117.75	113.42	108.38	-85.76	271.70	3,674.54	1,457.08	1,200.28	256.80	5.674		
11,200.00	7,232.64	10,124.78	7,122.39	116.16	113.25	-85.92	268.39	3,792.14	1,453.55	1,225.10	228.45	6.363		
11,300.00	7,232.74	10,226.97	7,124.19	118.90	116.53	-85.98	265.33	3,894.27	1,450.13	1,215.66	234.47	6.185		
11,400.00	7,232.85	10,317.22	7,123.92	121.65	119.43	-85.96	262.70	3,984.47	1,446.94	1,206.79	240.15	6.025		
11,500.00	7,232.96	10,390.94	7,121.88	124.41	121.79	-85.87	261.40	4,058.15	1,445.06	1,199.74	245.32	5.891		
11,600.00	7,233.06	10,466.72	7,117.66	127.16	124.87	-85.70	260.72	4,153.84	1,444.36	1,193.27	251.09	5.752		
11,646.43	7,233.11	10,523.57	7,115.99	128.45	126.06	-85.63	260.55	4,190.65	1,444.18	1,190.64	253.54	5.696		
11,700.00	7,233.17	10,563.35	7,114.22	129.92	127.34	-85.56	260.73	4,230.39	1,444.43	1,188.18	256.25	5.637		
11,800.00	7,233.28	10,638.96	7,111.05	132.69	129.77	-85.43	262.10	4,305.92	1,446.25	1,184.93	261.32	5.534		
11,900.00	7,233.38	10,751.13	7,108.52	135.46	133.39	-85.34	265.48	4,418.00	1,449.21	1,181.51	267.70	5.414		
12,000.00	7,233.49	10,857.22	7,109.77	138.23	136.81	-85.38	267.29	4,524.07	1,450.48	1,176.56	273.92	5.295		
12,100.00	7,233.60	10,958.92	7,109.69	141.01	140.11	-85.38	269.00	4,625.75	1,451.85	1,171.88	279.97	5.186		
12,200.00	7,233.71	11,060.04	7,108.07	143.79	143.38	-85.32	270.42	4,726.84	1,453.08	1,167.09	285.99	5.081		
12,300.00	7,233.81	11,122.48	7,106.03	146.57	145.40	-85.24	272.00	4,789.23	1,455.55	1,164.97	290.58	5.009		
12,400.00	7,233.92	11,233.96	7,103.40	149.35	149.01	-85.15	276.80	4,900.57	1,459.82	1,162.83	296.99	4.915		
12,500.00	7,234.03	11,369.25	7,103.23	152.14	153.41	-85.14	279.01	5,035.83	1,460.99	1,156.74	304.25	4.802		
12,600.00	7,234.13	11,460.42	7,103.67	154.93	156.38	-85.16	280.46	5,126.99	1,462.19	1,152.20	309.99	4.717		
12,700.00	7,234.24	11,591.00	7,103.54	157.72	160.64	-85.15	280.58	5,257.57	1,461.88	1,144.87	317.01	4.611		
12,800.00	7,234.35	11,684.59	7,102.27	160.52	163.70	-85.09	279.95	5,351.14	1,461.03	1,138.20	322.83	4.526		
12,849.55	7,234.40	11,727.18	7,101.32	161.90	165.09	-85.05	279.89	5,393.73	1,460.90	1,135.32	325.58	4.487		
12,900.00	7,234.45	11,768.18	7,100.66	163.31	166.43	-85.02	280.10	5,434.72	1,461.07	1,132.76	328.31	4.450		
13,000.00	7,234.56	11,849.96	7,100.63	166.11	169.10	-85.02	281.40	5,516.48	1,462.35	1,128.63	333.72	4.382		
13,100.00	7,234.67	11,939.03	7,099.97	168.91	172.00	-85.00	283.81	5,605.52	1,464.78	1,125.43	339.35	4.316		
13,200.00	7,234.77	12,125.93	7,102.81	171.71	178.12	-85.10	284.99	5,792.35	1,465.40	1,117.23	348.18	4.209		
13,300.00	7,234.88	12,232.04	7,102.01	174.52	181.60	-85.05	281.36	5,898.38	1,461.74	1,107.38	354.36	4.125		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #A-5-3NBHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 39-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
13,400.00	7,234.99	12,316.23	7,098.64	177.32	184.36	-84.91	278.45	5,982.45	1,458.37	1,098.41	359.96	4.051					
13,500.00	7,235.09	12,394.65	7,096.43	180.13	186.93	-84.81	277.22	6,060.82	1,456.69	1,091.32	365.38	3.987					
13,600.00	7,235.20	12,500.99	7,095.41	182.94	190.42	-84.76	275.80	6,167.15	1,455.13	1,083.53	371.60	3.916					
13,700.00	7,235.31	12,595.28	7,095.81	185.74	193.52	-84.77	274.94	6,261.44	1,453.86	1,076.35	377.52	3.851					
13,800.00	7,235.41	12,687.61	7,094.80	188.56	196.56	-84.72	274.02	6,353.75	1,452.69	1,069.36	383.33	3.790					
13,837.26	7,235.45	12,715.34	7,094.20	189.60	197.47	-84.70	273.96	6,381.47	1,452.57	1,067.29	385.28	3.770					
13,900.00	7,235.52	12,762.33	7,092.97	191.37	199.01	-84.65	274.26	6,428.45	1,452.91	1,064.39	388.53	3.740					
14,000.00	7,235.63	12,838.65	7,091.20	194.18	201.51	-84.58	275.78	6,504.73	1,454.81	1,061.14	393.67	3.695					
14,100.00	7,235.73	12,956.85	7,088.69	197.00	205.39	-84.48	278.16	6,622.87	1,456.68	1,056.31	400.37	3.638					
14,200.00	7,235.84	13,037.82	7,086.77	199.81	208.05	-84.41	279.98	6,703.80	1,458.82	1,053.15	405.67	3.596					
14,300.00	7,235.95	13,129.16	7,085.36	202.63	211.05	-84.36	282.98	6,795.09	1,461.93	1,050.57	411.36	3.554					
14,400.00	7,236.05	13,245.06	7,086.85	205.44	214.85	-84.43	286.58	6,910.91	1,464.57	1,046.45	418.12	3.503					
14,500.00	7,236.16	13,340.16	7,087.91	208.26	217.98	-84.47	289.26	7,005.97	1,466.96	1,042.92	424.04	3.459					
14,600.00	7,236.27	13,434.51	7,087.44	211.08	221.07	-84.46	292.26	7,100.27	1,469.85	1,039.96	429.89	3.419					
14,700.00	7,236.37	13,556.50	7,086.25	213.90	225.08	-84.42	295.63	7,222.20	1,472.46	1,035.67	436.79	3.371					
14,800.00	7,236.48	13,662.05	7,086.00	216.72	228.56	-84.41	296.89	7,327.75	1,473.34	1,030.26	443.07	3.325					
14,900.00	7,236.59	13,822.84	7,085.48	219.55	233.86	-84.38	295.98	7,488.50	1,472.56	1,021.64	450.93	3.266					
15,000.00	7,236.69	13,921.84	7,083.87	222.37	237.13	-84.30	292.98	7,587.44	1,469.40	1,012.45	456.94	3.216					
15,100.00	7,236.80	14,009.32	7,084.60	225.19	240.02	-84.32	291.12	7,674.90	1,466.89	1,004.13	462.75	3.170					
15,200.00	7,236.91	14,103.00	7,084.83	228.02	243.12	-84.32	289.80	7,768.56	1,465.14	996.45	468.69	3.126					
15,300.00	7,237.02	14,200.22	7,082.96	230.84	246.33	-84.23	288.17	7,865.76	1,463.37	988.72	474.65	3.083					
15,400.00	7,237.12	14,283.80	7,081.95	233.67	249.09	-84.18	287.59	7,949.33	1,462.48	982.25	480.23	3.045					
15,438.14	7,237.16	14,316.80	7,081.54	234.75	250.18	-84.17	287.59	7,982.33	1,462.41	980.04	482.38	3.032					
15,500.00	7,237.23	14,371.70	7,080.51	236.50	251.99	-84.12	287.81	8,037.21	1,462.58	976.70	485.88	3.010					
15,600.00	7,237.34	14,467.43	7,078.78	239.32	255.15	-84.06	288.54	8,132.92	1,463.22	971.44	491.78	2.975					
15,700.00	7,237.44	14,563.82	7,080.26	242.15	258.33	-84.11	289.83	8,229.29	1,464.08	966.28	497.80	2.941					
15,800.00	7,237.55	14,656.08	7,082.79	244.98	261.37	-84.21	291.59	8,321.50	1,465.39	961.68	503.70	2.909					
15,900.00	7,237.66	14,752.48	7,084.37	247.81	264.55	-84.28	293.61	8,417.86	1,467.01	957.29	509.73	2.878					
16,000.00	7,237.76	14,841.47	7,084.32	250.64	267.49	-84.28	295.86	8,506.82	1,469.22	953.83	515.39	2.851					
16,100.00	7,237.87	14,944.31	7,084.61	253.47	270.88	-84.30	298.73	8,609.62	1,471.66	950.03	521.62	2.821					
16,200.00	7,237.98	15,054.52	7,084.12	256.30	274.52	-84.28	301.46	8,719.79	1,473.87	945.76	528.12	2.791					
16,300.00	7,238.08	15,175.38	7,084.63	259.13	278.51	-84.30	302.76	8,840.65	1,474.55	939.56	534.99	2.756					
16,400.00	7,238.19	15,271.37	7,083.96	261.96	281.68	-84.27	303.23	8,936.63	1,474.80	933.86	540.94	2.726					
16,500.00	7,238.30	15,368.66	7,082.27	264.79	284.90	-84.20	304.04	9,033.90	1,475.49	928.60	546.89	2.698					
16,600.00	7,238.40	15,464.62	7,081.08	267.63	288.07	-84.16	304.95	9,129.85	1,476.26	923.44	552.82	2.670					
16,700.00	7,238.51	15,580.68	7,079.35	270.46	291.91	-84.09	305.91	9,245.89	1,476.96	917.56	559.41	2.640					
16,800.00	7,238.62	15,694.27	7,078.39	273.29	295.67	-84.04	305.45	9,359.47	1,476.34	910.45	565.89	2.609					
16,900.00	7,238.72	15,795.90	7,078.69	276.13	299.03	-84.04	304.67	9,461.09	1,475.23	903.18	572.06	2.579					
17,000.00	7,238.83	15,888.29	7,078.05	278.96	302.09	-84.01	303.95	9,553.47	1,474.23	896.30	577.92	2.551					
17,028.58	7,238.86	15,907.55	7,077.68	279.77	302.73	-84.00	303.91	9,572.73	1,474.14	894.77	579.37	2.544					
17,100.00	7,238.94	15,955.70	7,077.05	281.80	304.32	-83.97	304.37	9,620.86	1,474.70	891.82	582.89	2.530					
17,200.00	7,239.04	16,063.47	7,077.78	284.63	307.89	-84.00	306.58	9,728.61	1,476.39	887.07	589.32	2.505					
17,300.00	7,239.15	16,174.39	7,080.05	287.47	311.56	-84.09	307.92	9,839.49	1,477.06	881.16	595.91	2.479					
17,400.00	7,239.26	16,280.13	7,078.97	290.30	315.06	-84.04	308.05	9,945.22	1,476.98	874.81	602.16	2.453					
17,406.13	7,239.26	16,285.17	7,078.91	290.48	315.22	-84.04	308.06	9,950.27	1,476.98	874.47	602.50	2.451					
17,500.00	7,239.36	16,363.88	7,079.56	293.14	317.83	-84.06	308.82	10,028.96	1,477.50	869.75	607.75	2.431					
17,600.00	7,239.47	16,462.26	7,081.64	295.98	321.08	-84.15	310.46	10,127.31	1,478.64	864.74	613.89	2.409					
17,700.00	7,239.58	16,590.97	7,082.41	298.81	325.35	-84.17	311.57	10,256.01	1,479.22	858.23	620.99	2.382					
17,800.00	7,239.68	16,728.22	7,081.64	301.65	329.90	-84.12	308.65	10,393.22	1,476.73	848.79	627.94	2.352					
17,889.83	7,239.78	16,769.00	7,081.21	304.20	331.25	-84.10	307.37	10,433.97	1,474.56	842.38	632.18	2.332					
17,900.00	7,239.79	16,769.00	7,081.21	304.49	331.25	-84.10	307.37	10,433.97	1,474.59	842.13	632.46	2.332 SF					
18,000.00	7,239.90	16,769.00	7,081.21	307.33	331.25	-84.10	307.37	10,433.97	1,478.67	845.04	633.63	2.334					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #A-5-3NBHZ - OH - OH		Offset Site Error:		0.00 ft	
Survey Program: 39-MWD															Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)							
18,095.23	7,240.00	16,769.00	7,081.21	310.03	331.25	-84.10	307.37	10,433.97	1,488.80	856.69	632.10	2.355						

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-69.20	346.47	-912.22	4,888.38					
100.00	100.00	0.00	0.00	3.28	0.00	-69.20	346.47	-912.22	4,790.44	4,783.54	6.90	693.980		
200.00	200.00	0.00	0.00	3.34	0.00	-69.20	346.47	-912.22	4,692.58	4,685.80	6.78	692.285		
300.00	299.98	0.00	0.00	3.44	0.00	105.95	346.47	-912.22	4,594.88	4,588.22	6.66	690.355		
400.00	399.84	0.00	0.00	3.59	0.00	114.01	346.47	-912.22	4,497.49	4,490.96	6.53	688.240		
500.00	499.45	0.00	0.00	3.79	0.00	121.00	346.47	-912.22	4,400.56	4,394.15	6.42	685.855		
600.00	598.70	0.00	0.00	4.03	0.00	126.94	346.47	-912.22	4,304.25	4,297.95	6.30	683.108		
700.00	697.47	0.00	0.00	4.31	0.00	131.94	346.47	-912.22	4,208.71	4,202.52	6.19	679.858		
800.00	795.62	0.00	0.00	4.64	0.00	136.13	346.47	-912.22	4,114.12	4,108.03	6.09	675.896		
900.00	893.06	0.00	0.00	5.00	0.00	139.65	346.47	-912.22	4,020.67	4,014.68	5.99	670.929		
1,000.00	989.64	0.00	0.00	5.40	0.00	142.63	346.47	-912.22	3,928.55	3,922.64	5.91	664.567		
1,100.00	1,085.27	0.00	0.00	5.83	0.00	145.15	346.47	-912.22	3,837.98	3,832.14	5.85	656.314		
1,200.00	1,179.82	0.00	0.00	6.29	0.00	147.29	346.47	-912.22	3,749.19	3,743.38	5.81	645.579		
1,235.00	1,212.63	0.00	0.00	6.46	0.00	147.97	346.47	-912.22	3,718.57	3,712.78	5.79	641.718		
1,300.00	1,273.43	0.00	0.00	6.79	0.00	147.97	346.47	-912.22	3,662.09	3,656.29	5.80	631.581		
1,400.00	1,366.98	0.00	0.00	7.30	0.00	147.97	346.47	-912.22	3,575.76	3,569.93	5.83	613.022		
1,500.00	1,460.52	0.00	0.00	7.84	0.00	147.97	346.47	-912.22	3,490.16	3,484.26	5.90	591.569		
1,600.00	1,554.07	0.00	0.00	8.38	0.00	147.97	346.47	-912.22	3,405.35	3,399.35	6.00	567.428		
1,700.00	1,647.61	0.00	0.00	8.93	0.00	147.97	346.47	-912.22	3,321.38	3,315.24	6.14	540.947		
1,800.00	1,741.16	0.00	0.00	9.49	0.00	147.97	346.47	-912.22	3,238.32	3,232.01	6.32	512.599		
1,900.00	1,834.70	0.00	0.00	10.06	0.00	147.97	346.47	-912.22	3,156.25	3,149.71	6.54	482.939		
2,000.00	1,928.25	0.00	0.00	10.63	0.00	147.97	346.47	-912.22	3,075.23	3,068.44	6.80	452.556		
2,100.00	2,021.79	0.00	0.00	11.21	0.00	147.97	346.47	-912.22	2,995.37	2,988.27	7.10	422.030		
2,200.00	2,115.33	0.00	0.00	11.79	0.00	147.97	346.47	-912.22	2,916.74	2,909.30	7.44	391.887		
2,300.00	2,208.88	0.00	0.00	12.37	0.00	147.97	346.47	-912.22	2,839.46	2,831.63	7.83	362.576		
2,400.00	2,302.42	0.00	0.00	12.96	0.00	147.97	346.47	-912.22	2,763.64	2,755.38	8.26	334.453		
2,500.00	2,395.97	0.00	0.00	13.55	0.00	147.97	346.47	-912.22	2,689.40	2,680.66	8.74	307.779		
2,600.00	2,489.51	0.00	0.00	14.14	0.00	147.97	346.47	-912.22	2,616.88	2,607.62	9.26	282.729		
2,700.00	2,583.06	0.00	0.00	14.74	0.00	147.97	346.47	-912.22	2,546.22	2,536.40	9.82	259.403		
2,800.00	2,676.60	0.00	0.00	15.34	0.00	147.97	346.47	-912.22	2,477.57	2,467.16	10.42	237.838		
2,900.00	2,770.14	0.00	0.00	15.93	0.00	147.97	346.47	-912.22	2,411.13	2,400.07	11.06	218.025		
3,000.00	2,863.69	0.00	0.00	16.53	0.00	147.97	346.47	-912.22	2,347.06	2,335.32	11.74	199.922		
3,100.00	2,957.23	0.00	0.00	17.13	0.00	147.97	346.47	-912.22	2,285.58	2,273.12	12.46	183.462		
3,200.00	3,050.78	0.00	0.00	17.74	0.00	147.97	346.47	-912.22	2,226.89	2,213.68	13.21	168.562		
3,300.00	3,144.32	0.00	0.00	18.34	0.00	147.97	346.47	-912.22	2,171.22	2,157.22	14.00	155.133		
3,400.00	3,237.87	0.00	0.00	18.94	0.00	147.97	346.47	-912.22	2,118.81	2,104.00	14.81	143.082		
3,500.00	3,331.41	0.00	0.00	19.55	0.00	147.97	346.47	-912.22	2,069.91	2,054.26	15.64	132.314		
3,600.00	3,424.96	0.00	0.00	20.15	0.00	147.97	346.47	-912.22	2,024.77	2,008.27	16.50	122.740		
3,666.72	3,487.37	0.00	0.00	20.56	0.00	147.97	346.47	-912.22	1,996.87	1,979.80	17.07	116.973		
3,700.00	3,518.57	0.00	0.00	20.76	0.00	147.82	346.47	-912.22	1,983.50	1,966.14	17.36	114.267		
3,800.00	3,613.09	0.00	0.00	21.34	0.00	147.36	346.47	-912.22	1,944.35	1,926.14	18.21	106.793		
3,900.00	3,708.70	0.00	0.00	21.90	0.00	146.92	346.47	-912.22	1,906.87	1,887.85	19.03	100.216		
4,000.00	3,805.27	0.00	0.00	22.44	0.00	146.50	346.47	-912.22	1,871.22	1,851.41	19.81	94.442		
4,100.00	3,902.69	0.00	0.00	22.95	0.00	146.11	346.47	-912.22	1,837.54	1,816.98	20.56	89.388		
4,200.00	4,000.84	0.00	0.00	23.43	0.00	145.73	346.47	-912.22	1,805.98	1,784.73	21.25	84.982		
4,300.00	4,099.59	0.00	0.00	23.89	0.00	145.39	346.47	-912.22	1,776.69	1,754.80	21.89	81.167		
4,400.00	4,198.84	0.00	0.00	24.32	0.00	145.07	346.47	-912.22	1,749.84	1,727.37	22.46	77.894		
4,500.00	4,298.45	0.00	0.00	24.73	0.00	144.78	346.47	-912.22	1,725.55	1,702.58	22.97	75.126		
4,600.00	4,398.30	0.00	0.00	25.11	0.00	144.52	346.47	-912.22	1,703.98	1,680.59	23.40	72.831		
4,701.72	4,500.00	0.00	0.00	25.45	0.00	-21.88	346.47	-912.22	1,684.96	1,661.23	23.73	71.014		
4,800.00	4,598.28	0.00	0.00	25.74	0.00	-21.88	346.47	-912.22	1,670.85	1,646.90	23.95	69.763		
4,900.00	4,698.28	0.00	0.00	26.04	0.00	-21.88	346.47	-912.22	1,662.35	1,638.25	24.10	68.966		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	9.98	9.98	26.34	0.02	-21.88	346.47	-912.23	1,659.81	1,635.58	24.23	68.502		
5,100.00	4,898.28	112.16	112.16	26.65	0.41	-21.90	345.93	-912.76	1,659.51	1,634.56	24.96	66.498		
5,200.00	4,998.28	213.61	213.60	26.96	0.85	-21.95	345.19	-913.96	1,659.28	1,633.54	25.75	64.451		
5,300.00	5,098.28	310.24	310.21	27.27	1.28	-22.01	344.27	-915.54	1,659.02	1,632.51	26.50	62.595		
5,400.00	5,198.28	432.29	432.23	27.59	1.82	-22.10	342.60	-917.59	1,658.41	1,630.96	27.45	60.416		
5,500.00	5,298.28	557.02	556.88	27.91	2.37	-22.22	338.84	-919.76	1,656.28	1,627.86	28.41	58.290		
5,600.00	5,398.28	688.27	687.97	28.23	2.96	-22.36	332.62	-921.54	1,652.41	1,622.99	29.42	56.169		
5,700.00	5,498.28	820.51	819.87	28.56	3.55	-22.55	323.43	-923.70	1,646.61	1,616.18	30.43	54.117		
5,800.00	5,598.28	924.39	923.36	28.89	4.04	-22.74	314.76	-926.02	1,639.76	1,608.49	31.26	52.449		
5,900.00	5,698.28	1,022.52	1,021.03	29.22	4.50	-22.97	305.89	-929.45	1,632.77	1,600.69	32.07	50.906		
6,000.00	5,798.28	1,118.42	1,116.40	29.56	4.96	-23.24	296.93	-933.96	1,626.00	1,593.12	32.88	49.452		
6,100.00	5,898.28	1,209.26	1,206.73	29.90	5.40	-23.51	288.51	-938.63	1,619.52	1,585.86	33.66	48.114		
6,200.00	5,998.28	1,290.30	1,287.35	30.24	5.79	-23.76	281.66	-943.24	1,614.03	1,579.65	34.38	46.950		
6,300.00	6,098.28	1,392.75	1,389.30	30.58	6.28	-24.07	273.58	-949.16	1,609.15	1,573.91	35.24	45.662		
6,400.00	6,198.28	1,546.66	1,542.26	30.92	7.03	-24.56	258.70	-957.58	1,602.63	1,566.19	36.44	43.981		
6,500.00	6,298.28	1,734.97	1,728.53	31.27	8.00	-25.16	231.97	-963.42	1,590.54	1,552.77	37.77	42.109		
6,600.00	6,398.28	1,833.01	1,825.37	31.62	8.50	-25.41	216.71	-963.87	1,576.63	1,538.02	38.61	40.839		
6,700.00	6,498.28	1,926.72	1,918.05	31.97	8.98	-25.62	202.85	-963.40	1,563.04	1,523.62	39.42	39.653		
6,794.10	6,592.38	2,017.59	2,007.84	32.31	9.45	-25.88	188.93	-964.51	1,550.52	1,510.31	40.21	38.564		
6,800.00	6,598.28	2,023.37	2,013.55	32.33	9.48	-115.78	188.02	-964.62	1,549.75	1,509.49	40.26	38.497		
6,850.00	6,648.21	2,071.52	2,061.09	32.51	9.74	-116.46	180.46	-965.69	1,544.20	1,503.52	40.68	37.957		
6,900.00	6,697.79	2,118.04	2,107.05	32.69	9.98	-117.10	173.31	-966.51	1,540.50	1,499.39	41.11	37.475		
6,950.00	6,746.73	2,160.75	2,149.28	32.86	10.21	-117.65	166.96	-966.99	1,538.76	1,497.24	41.52	37.060		
6,963.83	6,760.11	2,170.53	2,158.96	32.91	10.26	-117.77	165.53	-967.13	1,538.67	1,497.05	41.63	36.964 CC, ES		
7,000.00	6,794.71	2,195.75	2,183.91	33.03	10.39	-118.03	161.89	-967.63	1,539.30	1,497.40	41.90	36.735		
7,050.00	6,841.44	2,229.54	2,217.34	33.20	10.57	-118.30	157.10	-968.62	1,542.26	1,499.98	42.28	36.475		
7,100.00	6,886.64	2,272.83	2,260.16	33.35	10.80	-118.64	151.01	-970.33	1,547.63	1,504.90	42.72	36.224		
7,150.00	6,930.03	2,321.30	2,308.05	33.50	11.05	-119.01	143.86	-972.50	1,555.12	1,511.92	43.20	35.995		
7,200.00	6,971.33	2,364.12	2,350.32	33.64	11.28	-119.18	137.30	-974.52	1,564.84	1,521.18	43.66	35.840		
7,250.00	7,010.30	2,403.12	2,388.84	33.77	11.49	-119.14	131.39	-976.17	1,576.96	1,532.85	44.11	35.753		
7,300.00	7,046.69	2,439.75	2,425.02	33.89	11.69	-118.90	125.91	-977.50	1,591.53	1,546.98	44.55	35.727 SF		
7,350.00	7,080.28	2,466.51	2,451.47	34.00	11.83	-118.21	121.92	-978.54	1,608.66	1,563.72	44.94	35.795		
7,400.00	7,110.86	2,491.53	2,476.18	34.11	11.97	-117.26	118.18	-979.61	1,628.35	1,583.02	45.33	35.919		
7,450.00	7,138.25	2,513.41	2,497.79	34.21	12.09	-115.97	114.91	-980.63	1,650.55	1,604.84	45.72	36.104		
7,500.00	7,162.27	2,533.13	2,517.27	34.32	12.19	-114.34	111.95	-981.61	1,675.16	1,629.07	46.09	36.343		
7,550.00	7,182.77	2,551.48	2,535.39	34.43	12.29	-112.38	109.22	-982.51	1,702.03	1,655.56	46.47	36.629		
7,600.00	7,199.64	2,566.22	2,549.95	34.57	12.37	-109.96	107.03	-983.21	1,730.98	1,684.16	46.82	36.969		
7,650.00	7,212.76	2,577.22	2,560.81	34.76	12.43	-107.05	105.41	-983.73	1,761.84	1,714.69	47.15	37.363		
7,700.00	7,222.06	2,584.35	2,567.86	35.02	12.47	-103.63	104.36	-984.05	1,794.39	1,746.93	47.46	37.808		
7,750.00	7,227.47	2,587.53	2,571.00	35.37	12.49	-99.68	103.89	-984.20	1,828.38	1,780.65	47.74	38.301		
7,793.42	7,229.00	2,587.03	2,570.51	35.74	12.48	-95.84	103.97	-984.18	1,858.88	1,810.93	47.95	38.767		
7,800.00	7,229.01	2,586.72	2,570.20	35.80	12.48	-95.82	104.01	-984.16	1,863.56	1,815.58	47.98	38.840		
7,900.00	7,229.11	2,581.99	2,565.53	36.91	12.46	-95.62	104.71	-983.95	1,936.12	1,887.67	48.45	39.963		
8,000.00	7,229.22	2,577.19	2,560.78	38.28	12.43	-95.41	105.41	-983.73	2,011.03	1,962.11	48.92	41.110		
8,100.00	7,229.33	2,572.29	2,555.95	39.83	12.40	-95.19	106.13	-983.50	2,088.02	2,038.64	49.38	42.281		
8,200.00	7,229.43	2,567.31	2,551.03	41.53	12.38	-94.98	106.87	-983.26	2,166.89	2,117.05	49.84	43.477		
8,300.00	7,229.54	2,562.24	2,546.02	43.36	12.35	-94.75	107.62	-983.03	2,247.43	2,197.14	50.28	44.697		
8,400.00	7,229.65	2,557.08	2,540.92	45.30	12.32	-94.53	108.38	-982.78	2,329.46	2,278.76	50.71	45.941		
8,500.00	7,229.75	2,551.82	2,535.73	47.33	12.29	-94.30	109.16	-982.53	2,412.84	2,361.73	51.11	47.208		
8,600.00	7,229.86	2,546.47	2,530.44	49.45	12.26	-94.07	109.96	-982.27	2,497.44	2,445.94	51.50	48.496		
8,700.00	7,229.97	2,541.01	2,525.05	51.64	12.24	-93.83	110.77	-982.00	2,583.12	2,531.25	51.86	49.805		
8,800.00	7,230.07	2,535.46	2,519.57	53.89	12.21	-93.59	111.60	-981.72	2,669.79	2,617.58	52.21	51.133		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	2,529.80	2,513.97	56.19	12.17	-93.34	112.45	-981.44	2,757.35	2,704.81	52.54	52.478		
9,000.00	7,230.29	2,526.00	2,510.23	58.55	12.15	-93.18	113.02	-981.25	2,845.72	2,792.86	52.87	53.829		
9,100.00	7,230.39	2,526.00	2,510.23	60.94	12.15	-93.18	113.02	-981.25	2,934.84	2,881.65	53.19	55.174		
9,200.00	7,230.50	2,517.88	2,502.20	63.38	12.11	-92.82	114.24	-980.85	3,024.62	2,971.16	53.46	56.576		
9,300.00	7,230.61	2,514.54	2,498.91	65.85	12.09	-92.68	114.74	-980.68	3,115.03	3,061.29	53.74	57.965		
9,400.00	7,230.72	2,511.27	2,495.68	68.35	12.08	-92.54	115.23	-980.53	3,205.99	3,151.99	54.00	59.365		
9,500.00	7,230.82	2,508.08	2,492.53	70.87	12.06	-92.40	115.70	-980.37	3,297.48	3,243.22	54.26	60.775		
9,600.00	7,230.93	2,504.96	2,489.44	73.42	12.04	-92.26	116.17	-980.23	3,389.45	3,334.95	54.50	62.194		
9,700.00	7,231.04	2,501.90	2,486.43	75.99	12.02	-92.13	116.63	-980.08	3,481.85	3,427.12	54.73	63.621		
9,800.00	7,231.14	2,498.91	2,483.48	78.59	12.01	-92.00	117.08	-979.94	3,574.66	3,519.71	54.95	65.056		
9,900.00	7,231.25	2,495.99	2,480.59	81.19	11.99	-91.87	117.51	-979.81	3,667.84	3,612.68	55.16	66.497		
10,000.00	7,231.36	2,493.12	2,477.76	83.82	11.98	-91.75	117.94	-979.68	3,761.37	3,706.01	55.36	67.945		
10,100.00	7,231.46	2,490.32	2,474.99	86.46	11.96	-91.63	118.36	-979.56	3,855.22	3,799.67	55.55	69.399		
10,200.00	7,231.57	2,487.57	2,472.27	89.11	11.95	-91.51	118.77	-979.43	3,949.37	3,893.63	55.74	70.857		
10,300.00	7,231.68	2,484.88	2,469.62	91.77	11.93	-91.39	119.17	-979.32	4,043.80	3,987.88	55.92	72.320		
10,400.00	7,231.78	2,482.25	2,467.01	94.45	11.92	-91.28	119.57	-979.20	4,138.48	4,082.40	56.09	73.787		
10,500.00	7,231.89	2,479.66	2,464.46	97.14	11.91	-91.17	119.95	-979.09	4,233.41	4,177.16	56.25	75.258		
10,600.00	7,232.00	2,477.13	2,461.96	99.83	11.89	-91.06	120.33	-978.98	4,328.57	4,272.15	56.41	76.732		
10,700.00	7,232.10	2,474.65	2,459.51	102.53	11.88	-90.95	120.70	-978.88	4,423.93	4,367.37	56.57	78.209		
10,800.00	7,232.21	2,472.21	2,457.10	105.25	11.86	-90.85	121.07	-978.78	4,519.49	4,462.78	56.71	79.688		
10,900.00	7,232.32	2,469.83	2,454.74	107.96	11.85	-90.75	121.42	-978.68	4,615.24	4,558.38	56.86	81.170		
11,000.00	7,232.42	2,467.48	2,452.43	110.69	11.84	-90.65	121.77	-978.58	4,711.17	4,654.17	57.00	82.653		
11,100.00	7,232.53	11,620.59	7,078.13	113.42	157.71	-168.91	-272.29	3,675.28	4,723.94	4,618.84	105.10	44.949		
11,114.07	7,232.55	11,634.65	7,077.96	113.81	158.16	-168.90	-271.82	3,689.33	4,723.83	4,618.42	105.41	44.814		
11,200.00	7,232.64	11,600.00	7,078.38	116.16	157.04	-168.92	-272.97	3,654.70	4,724.75	4,618.94	105.81	44.653		
11,300.00	7,232.74	11,600.00	7,078.38	118.90	157.04	-168.92	-272.97	3,654.70	4,727.63	4,620.87	106.76	44.285		
11,400.00	7,232.85	11,600.00	7,078.38	121.65	157.04	-168.92	-272.97	3,654.70	4,732.62	4,624.95	107.67	43.954		
11,500.00	7,232.96	11,600.00	7,078.38	124.41	157.04	-168.92	-272.97	3,654.70	4,739.72	4,631.16	108.56	43.661		
11,600.00	7,233.06	11,600.00	7,078.38	127.16	157.04	-168.92	-272.97	3,654.70	4,748.91	4,639.50	109.41	43.405		
11,700.00	7,233.17	11,600.00	7,078.38	129.92	157.04	-168.92	-272.97	3,654.70	4,760.19	4,649.96	110.23	43.184		
11,800.00	7,233.28	11,600.00	7,078.38	132.69	157.04	-168.92	-272.97	3,654.70	4,773.53	4,662.52	111.02	42.998		
11,900.00	7,233.38	11,600.00	7,078.38	135.46	157.04	-168.92	-272.97	3,654.70	4,788.93	4,677.16	111.77	42.847		
12,000.00	7,233.49	11,600.00	7,078.38	138.23	157.04	-168.92	-272.97	3,654.70	4,806.36	4,693.87	112.48	42.729		
12,100.00	7,233.60	11,600.00	7,078.38	141.01	157.04	-168.92	-272.97	3,654.70	4,825.80	4,712.63	113.17	42.644		
12,200.00	7,233.71	11,600.00	7,078.38	143.79	157.04	-168.92	-272.97	3,654.70	4,847.22	4,733.41	113.81	42.590		
12,300.00	7,233.81	11,600.00	7,078.38	146.57	157.04	-168.92	-272.97	3,654.70	4,870.60	4,756.18	114.42	42.568		
12,400.00	7,233.92	11,600.00	7,078.38	149.35	157.04	-168.92	-272.97	3,654.70	4,895.92	4,780.92	114.99	42.576		
12,500.00	7,234.03	11,600.00	7,078.38	152.14	157.04	-168.92	-272.97	3,654.70	4,923.13	4,807.60	115.53	42.613		
12,600.00	7,234.13	11,600.00	7,078.38	154.93	157.04	-168.92	-272.97	3,654.70	4,952.22	4,836.18	116.03	42.679		
12,700.00	7,234.24	11,600.00	7,078.38	157.72	157.04	-168.92	-272.97	3,654.70	4,983.14	4,866.64	116.50	42.773		
12,800.00	7,234.35	11,600.00	7,078.38	160.52	157.04	-168.92	-272.97	3,654.70	5,015.87	4,898.93	116.94	42.893		
12,900.00	7,234.45	11,600.00	7,078.38	163.31	157.04	-168.92	-272.97	3,654.70	5,050.36	4,933.02	117.34	43.040		
13,000.00	7,234.56	11,600.00	7,078.38	166.11	157.04	-168.92	-272.97	3,654.70	5,086.59	4,968.88	117.71	43.213		
13,100.00	7,234.67	11,600.00	7,078.38	168.91	157.04	-168.92	-272.97	3,654.70	5,124.51	5,006.46	118.05	43.410		
13,200.00	7,234.77	11,600.00	7,078.38	171.71	157.04	-168.92	-272.97	3,654.70	5,164.09	5,045.74	118.36	43.631		
13,300.00	7,234.88	11,600.00	7,078.38	174.52	157.04	-168.92	-272.97	3,654.70	5,205.29	5,086.66	118.64	43.876		
13,400.00	7,234.99	11,600.00	7,078.38	177.32	157.04	-168.92	-272.97	3,654.70	5,248.08	5,129.19	118.89	44.143		
13,500.00	7,235.09	11,600.00	7,078.38	180.13	157.04	-168.92	-272.97	3,654.70	5,292.41	5,173.29	119.11	44.432		
13,600.00	7,235.20	11,600.00	7,078.38	182.94	157.04	-168.92	-272.97	3,654.70	5,338.24	5,218.93	119.31	44.742		
13,700.00	7,235.31	11,600.00	7,078.38	185.74	157.04	-168.92	-272.97	3,654.70	5,385.54	5,266.05	119.49	45.072		
13,800.00	7,235.41	11,600.00	7,078.38	188.56	157.04	-168.92	-272.97	3,654.70	5,434.27	5,314.63	119.64	45.423		
13,900.00	7,235.52	11,600.00	7,078.38	191.37	157.04	-168.92	-272.97	3,654.70	5,484.39	5,364.62	119.77	45.792		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	11,600.00	7,078.38	194.18	157.04	-168.92	-272.97	3,654.70	5,535.86	5,415.98	119.88	46.180		
14,100.00	7,235.73	11,600.00	7,078.38	197.00	157.04	-168.92	-272.97	3,654.70	5,588.64	5,468.68	119.96	46.586		
14,200.00	7,235.84	11,600.00	7,078.38	199.81	157.04	-168.92	-272.97	3,654.70	5,642.71	5,522.68	120.03	47.009		
14,300.00	7,235.95	11,600.00	7,078.38	202.63	157.04	-168.92	-272.97	3,654.70	5,698.02	5,577.93	120.09	47.449		
14,400.00	7,236.05	11,600.00	7,078.38	205.44	157.04	-168.92	-272.97	3,654.70	5,754.53	5,634.41	120.12	47.905		
14,500.00	7,236.16	11,600.00	7,078.38	208.26	157.04	-168.92	-272.97	3,654.70	5,812.22	5,692.07	120.14	48.377		
14,600.00	7,236.27	11,600.00	7,078.38	211.08	157.04	-168.92	-272.97	3,654.70	5,871.04	5,750.89	120.15	48.864		
14,700.00	7,236.37	11,600.00	7,078.38	213.90	157.04	-168.92	-272.97	3,654.70	5,930.96	5,810.82	120.14	49.365		
14,800.00	7,236.48	11,600.00	7,078.38	216.72	157.04	-168.92	-272.97	3,654.70	5,991.96	5,871.83	120.13	49.881		
14,900.00	7,236.59	11,600.00	7,078.38	219.55	157.04	-168.92	-272.97	3,654.70	6,053.99	5,933.89	120.10	50.410		
15,000.00	7,236.69	11,600.00	7,078.38	222.37	157.04	-168.92	-272.97	3,654.70	6,117.03	5,996.97	120.05	50.952		
15,100.00	7,236.80	11,600.00	7,078.38	225.19	157.04	-168.92	-272.97	3,654.70	6,181.04	6,061.04	120.00	51.507		
15,200.00	7,236.91	11,600.00	7,078.38	228.02	157.04	-168.92	-272.97	3,654.70	6,246.00	6,126.05	119.94	52.074		
15,300.00	7,237.02	11,600.00	7,078.38	230.84	157.04	-168.92	-272.97	3,654.70	6,311.87	6,191.99	119.88	52.653		
15,400.00	7,237.12	11,600.00	7,078.38	233.67	157.04	-168.92	-272.97	3,654.70	6,378.63	6,258.83	119.80	53.243		
15,500.00	7,237.23	11,600.00	7,078.38	236.50	157.04	-168.92	-272.97	3,654.70	6,446.25	6,326.53	119.72	53.844		
15,600.00	7,237.34	11,600.00	7,078.38	239.32	157.04	-168.92	-272.97	3,654.70	6,514.71	6,395.07	119.63	54.456		
15,700.00	7,237.44	11,600.00	7,078.38	242.15	157.04	-168.92	-272.97	3,654.70	6,583.97	6,464.43	119.54	55.077		
15,800.00	7,237.55	11,600.00	7,078.38	244.98	157.04	-168.92	-272.97	3,654.70	6,654.01	6,534.57	119.44	55.709		
15,900.00	7,237.66	11,600.00	7,078.38	247.81	157.04	-168.92	-272.97	3,654.70	6,724.81	6,605.47	119.34	56.350		
16,000.00	7,237.76	11,600.00	7,078.38	250.64	157.04	-168.92	-272.97	3,654.70	6,796.35	6,677.11	119.23	57.000		
16,100.00	7,237.87	11,600.00	7,078.38	253.47	157.04	-168.92	-272.97	3,654.70	6,868.59	6,749.47	119.12	57.659		
16,200.00	7,237.98	11,600.00	7,078.38	256.30	157.04	-168.92	-272.97	3,654.70	6,941.53	6,822.51	119.01	58.326		
16,300.00	7,238.08	11,600.00	7,078.38	259.13	157.04	-168.92	-272.97	3,654.70	7,015.13	6,896.23	118.90	59.001		
16,400.00	7,238.19	11,600.00	7,078.38	261.96	157.04	-168.92	-272.97	3,654.70	7,089.38	6,970.60	118.78	59.684		
16,500.00	7,238.30	11,600.00	7,078.38	264.79	157.04	-168.92	-272.97	3,654.70	7,164.25	7,045.59	118.66	60.375		
16,600.00	7,238.40	11,600.00	7,078.38	267.63	157.04	-168.92	-272.97	3,654.70	7,239.73	7,121.19	118.54	61.073		
16,700.00	7,238.51	11,600.00	7,078.38	270.46	157.04	-168.92	-272.97	3,654.70	7,315.80	7,197.38	118.42	61.778		
16,800.00	7,238.62	11,600.00	7,078.38	273.29	157.04	-168.92	-272.97	3,654.70	7,392.44	7,274.14	118.30	62.489		
16,900.00	7,238.72	11,600.00	7,078.38	276.13	157.04	-168.92	-272.97	3,654.70	7,469.63	7,351.46	118.18	63.207		
17,000.00	7,238.83	11,600.00	7,078.38	278.96	157.04	-168.92	-272.97	3,654.70	7,547.36	7,429.31	118.06	63.931		
17,100.00	7,238.94	11,600.00	7,078.38	281.80	157.04	-168.92	-272.97	3,654.70	7,625.61	7,507.67	117.93	64.661		
17,200.00	7,239.04	11,600.00	7,078.38	284.63	157.04	-168.92	-272.97	3,654.70	7,704.36	7,586.55	117.81	65.396		
17,300.00	7,239.15	11,600.00	7,078.38	287.47	157.04	-168.92	-272.97	3,654.70	7,783.60	7,665.91	117.69	66.137		
17,400.00	7,239.26	11,600.00	7,078.38	290.30	157.04	-168.92	-272.97	3,654.70	7,863.31	7,745.74	117.57	66.884		
17,500.00	7,239.36	11,600.00	7,078.38	293.14	157.04	-168.92	-272.97	3,654.70	7,943.48	7,826.03	117.45	67.635		
17,600.00	7,239.47	11,600.00	7,078.38	295.98	157.04	-168.92	-272.97	3,654.70	8,024.09	7,906.76	117.33	68.391		
17,700.00	7,239.58	11,600.00	7,078.38	298.81	157.04	-168.92	-272.97	3,654.70	8,105.14	7,987.93	117.21	69.152		
17,800.00	7,239.68	11,600.00	7,078.38	301.65	157.04	-168.92	-272.97	3,654.70	8,186.61	8,069.51	117.09	69.917		
17,900.00	7,239.79	11,600.00	7,078.38	304.49	157.04	-168.92	-272.97	3,654.70	8,268.48	8,151.50	116.97	70.686		
18,000.00	7,239.90	11,600.00	7,078.38	307.33	157.04	-168.92	-272.97	3,654.70	8,350.75	8,233.89	116.86	71.460		
18,095.23	7,240.00	11,600.00	7,078.38	310.03	157.04	-168.92	-272.97	3,654.70	8,429.45	8,312.70	116.75	72.200		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-67.77	376.71	-921.69	996.39					
100.00	100.00	58.86	58.86	3.28	3.29	-67.77	376.74	-921.77	995.80	989.23	6.57	151.510 CC, ES		
200.00	200.00	150.05	150.05	3.34	3.34	-67.77	377.03	-922.50	996.66	989.98	6.68	149.255		
300.00	299.98	260.72	260.71	3.44	3.46	98.48	377.07	-923.51	997.78	990.88	6.90	144.597		
400.00	399.84	349.81	349.78	3.59	3.60	98.60	375.68	-924.92	999.42	992.23	7.19	138.935		
500.00	499.45	439.05	438.91	3.79	3.78	98.75	372.63	-927.96	1,002.58	995.00	7.57	132.370		
600.00	598.70	520.31	519.89	4.03	3.98	98.87	368.06	-932.76	1,007.74	999.72	8.02	125.651		
700.00	697.47	599.13	598.11	4.31	4.21	98.91	361.54	-939.96	1,015.39	1,006.86	8.54	118.955		
800.00	795.62	688.67	686.50	4.64	4.50	98.94	352.05	-950.60	1,025.22	1,016.06	9.15	112.034		
900.00	893.06	802.17	798.34	5.00	4.93	99.15	338.50	-964.39	1,035.34	1,025.42	9.92	104.351		
1,000.00	989.64	922.47	916.67	5.40	5.44	99.53	321.85	-978.29	1,044.86	1,034.04	10.81	96.638		
1,100.00	1,085.27	1,114.81	1,104.96	5.83	6.34	100.38	285.53	-992.24	1,048.90	1,036.77	12.13	86.449		
1,200.00	1,179.82	1,233.45	1,220.06	6.29	6.95	100.99	257.08	-996.10	1,047.92	1,034.72	13.21	79.345		
1,235.00	1,212.63	1,286.73	1,271.64	6.46	7.23	101.31	243.76	-997.46	1,047.45	1,033.79	13.66	76.694		
1,300.00	1,273.43	1,370.34	1,352.29	6.79	7.70	101.82	221.74	-997.83	1,044.93	1,030.50	14.43	72.395		
1,400.00	1,366.98	1,465.27	1,443.72	7.30	8.24	102.37	196.21	-998.28	1,041.07	1,025.58	15.49	67.203		
1,500.00	1,460.52	1,555.06	1,530.32	7.84	8.77	102.91	172.51	-999.03	1,037.87	1,021.33	16.55	62.718		
1,600.00	1,554.07	1,645.18	1,617.44	8.38	9.31	103.47	149.49	-1,000.59	1,035.95	1,018.33	17.62	58.793		
1,700.00	1,647.61	1,744.02	1,713.34	8.93	9.91	104.17	125.59	-1,002.00	1,034.54	1,015.80	18.74	55.200		
1,800.00	1,741.16	1,844.07	1,810.47	9.49	10.51	104.89	101.63	-1,003.20	1,033.20	1,013.33	19.87	51.986		
1,855.25	1,792.84	1,886.37	1,851.56	9.80	10.77	105.20	91.63	-1,003.74	1,032.70	1,012.26	20.43	50.539		
1,900.00	1,834.70	1,912.66	1,877.19	10.06	10.93	105.41	85.78	-1,004.42	1,033.10	1,012.26	20.84	49.573		
2,000.00	1,928.25	1,974.83	1,938.03	10.63	11.29	105.92	73.37	-1,007.24	1,036.89	1,015.15	21.75	47.683		
2,100.00	2,021.79	2,048.38	2,010.50	11.21	11.69	106.64	61.55	-1,011.38	1,043.85	1,021.17	22.68	46.024		
2,200.00	2,115.33	2,169.38	2,130.39	11.79	12.29	108.08	45.64	-1,014.39	1,049.81	1,025.99	23.82	44.068		
2,300.00	2,208.88	2,239.61	2,200.30	12.37	12.61	109.04	38.99	-1,015.66	1,057.87	1,033.21	24.66	42.898		
2,400.00	2,302.42	2,326.63	2,287.10	12.96	12.99	110.31	33.06	-1,017.21	1,067.99	1,042.44	25.55	41.807		
2,500.00	2,395.97	2,411.94	2,372.31	13.55	13.33	111.63	29.22	-1,018.25	1,079.66	1,053.27	26.39	40.910		
2,600.00	2,489.51	2,497.06	2,457.41	14.14	13.65	113.03	27.48	-1,018.70	1,093.02	1,065.82	27.20	40.181		
2,700.00	2,583.06	2,588.41	2,548.76	14.74	13.97	114.55	26.58	-1,018.93	1,107.66	1,079.63	28.03	39.522		
2,800.00	2,676.60	2,668.92	2,629.27	15.34	14.24	115.91	27.09	-1,018.87	1,123.92	1,095.16	28.76	39.079		
2,900.00	2,770.14	2,758.09	2,718.42	15.93	14.51	117.41	28.64	-1,018.75	1,141.76	1,112.24	29.51	38.686		
3,000.00	2,863.69	2,837.74	2,798.04	16.53	14.76	118.74	30.62	-1,018.92	1,161.21	1,131.00	30.21	38.440		
3,100.00	2,957.23	2,935.09	2,895.36	17.13	15.06	120.31	33.37	-1,019.30	1,181.88	1,150.87	31.01	38.113		
3,200.00	3,050.78	3,021.54	2,981.77	17.74	15.34	121.65	35.58	-1,020.03	1,203.48	1,171.72	31.75	37.901		
3,300.00	3,144.32	3,115.14	3,075.34	18.34	15.66	123.02	37.69	-1,021.38	1,225.99	1,193.44	32.55	37.661		
3,400.00	3,237.87	3,195.37	3,155.52	18.94	15.92	124.20	40.37	-1,022.15	1,249.69	1,216.43	33.25	37.581		
3,500.00	3,331.41	3,286.91	3,246.98	19.55	16.22	125.52	44.10	-1,022.91	1,274.55	1,240.53	34.03	37.459		
3,600.00	3,424.96	3,389.14	3,349.14	20.15	16.57	126.91	47.53	-1,024.17	1,299.81	1,264.92	34.89	37.257		
3,666.72	3,487.37	3,464.60	3,424.56	20.56	16.82	127.94	49.94	-1,024.03	1,316.41	1,280.90	35.51	37.070		
3,700.00	3,518.57	3,494.68	3,454.63	20.76	16.93	128.47	50.90	-1,023.75	1,324.54	1,288.77	35.77	37.033		
3,800.00	3,613.09	3,588.31	3,548.22	21.34	17.25	129.97	53.57	-1,023.29	1,347.92	1,311.37	36.55	36.877		
3,900.00	3,708.70	3,684.09	3,643.96	21.90	17.58	131.29	56.06	-1,023.13	1,369.55	1,332.21	37.35	36.670		
4,000.00	3,805.27	3,784.70	3,744.54	22.44	17.94	132.46	58.43	-1,023.02	1,389.12	1,350.95	38.17	36.392		
4,100.00	3,902.69	3,887.39	3,847.19	22.95	18.31	133.52	60.96	-1,021.90	1,406.21	1,367.21	38.99	36.063		
4,200.00	4,000.84	3,984.94	3,944.71	23.43	18.66	134.38	63.26	-1,020.55	1,420.91	1,381.14	39.77	35.732		
4,300.00	4,099.59	4,072.15	4,031.88	23.89	18.97	135.04	65.59	-1,019.54	1,433.72	1,393.27	40.45	35.444		
4,400.00	4,198.84	4,163.09	4,122.78	24.32	19.31	135.57	68.32	-1,019.30	1,444.91	1,403.75	41.15	35.109		
4,500.00	4,298.45	4,259.50	4,219.14	24.73	19.66	136.00	71.48	-1,019.28	1,454.03	1,412.14	41.89	34.708		
4,600.00	4,398.30	4,372.31	4,331.88	25.11	20.08	136.37	75.35	-1,018.06	1,460.28	1,417.54	42.74	34.163		
4,701.72	4,500.00	4,476.48	4,435.99	25.45	20.46	-29.60	78.45	-1,016.57	1,463.50	1,420.01	43.50	33.647		
4,800.00	4,598.28	4,573.79	4,533.27	25.74	20.83	-29.53	80.97	-1,015.88	1,465.37	1,421.19	44.18	33.168		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,676.75	4,636.20	26.04	21.22	-29.47	83.36	-1,015.51	1,467.22	1,422.30	44.92	32.665		
5,000.00	4,798.28	4,770.40	4,729.82	26.34	21.59	-29.45	85.14	-1,015.77	1,469.02	1,423.43	45.59	32.222		
5,100.00	4,898.28	4,880.83	4,840.23	26.65	22.02	-29.42	87.43	-1,016.24	1,471.06	1,424.65	46.41	31.700		
5,200.00	4,998.28	4,994.92	4,954.30	26.96	22.46	-29.35	89.24	-1,015.13	1,471.95	1,424.71	47.24	31.159		
5,300.00	5,098.28	5,101.62	5,060.96	27.27	22.88	-29.23	90.92	-1,012.70	1,472.22	1,424.20	48.01	30.662		
5,400.00	5,198.28	5,205.41	5,164.73	27.59	23.28	-29.15	91.78	-1,010.78	1,472.04	1,423.26	48.77	30.181		
5,461.58	5,259.86	5,263.55	5,222.86	27.79	23.51	-29.12	92.04	-1,010.09	1,471.92	1,422.72	49.20	29.914		
5,500.00	5,298.28	5,296.47	5,255.78	27.91	23.65	-29.11	92.20	-1,009.94	1,472.00	1,422.54	49.45	29.767		
5,600.00	5,398.28	5,430.22	5,389.52	28.23	24.19	-29.09	92.26	-1,009.24	1,471.98	1,421.53	50.45	29.178		
5,700.00	5,498.28	5,564.83	5,524.00	28.56	24.74	-28.97	89.30	-1,004.10	1,467.96	1,416.54	51.41	28.551		
5,800.00	5,598.28	5,636.51	5,595.61	28.89	25.03	-28.91	87.78	-1,001.43	1,464.40	1,412.42	51.98	28.171		
5,889.81	5,688.09	5,692.00	5,651.09	29.19	25.25	-28.87	87.76	-1,000.29	1,463.43	1,411.01	52.42	27.919		
5,900.00	5,698.28	5,697.35	5,656.43	29.22	25.28	-28.86	87.81	-1,000.23	1,463.45	1,410.99	52.46	27.898		
6,000.00	5,798.28	5,782.00	5,741.07	29.56	25.61	-28.81	88.98	-999.37	1,464.19	1,411.10	53.09	27.577		
6,100.00	5,898.28	5,854.37	5,813.41	29.90	25.90	-28.77	90.87	-999.22	1,466.42	1,412.79	53.63	27.345		
6,200.00	5,998.28	5,923.26	5,882.24	30.24	26.17	-28.75	93.74	-1,000.16	1,470.73	1,416.62	54.11	27.179		
6,300.00	6,098.28	6,012.11	5,970.91	30.58	26.53	-28.77	98.34	-1,003.20	1,476.87	1,422.09	54.78	26.959		
6,400.00	6,198.28	6,199.98	6,158.65	30.92	27.28	-28.72	104.17	-1,004.96	1,480.06	1,423.74	56.32	26.280		
6,455.21	6,253.49	6,257.79	6,216.45	31.12	27.52	-28.70	104.37	-1,004.45	1,479.98	1,423.21	56.77	26.071		
6,500.00	6,298.28	6,296.05	6,254.71	31.27	27.67	-28.69	104.54	-1,004.31	1,480.08	1,423.01	57.07	25.936		
6,600.00	6,398.28	6,377.81	6,336.46	31.62	28.01	-28.68	105.37	-1,004.53	1,481.11	1,423.41	57.71	25.666		
6,700.00	6,498.28	6,460.41	6,419.04	31.97	28.34	-28.67	107.17	-1,005.18	1,483.39	1,425.05	58.35	25.423		
6,794.10	6,592.38	6,593.24	6,551.84	32.31	28.88	-28.64	110.00	-1,005.76	1,485.56	1,426.16	59.40	25.008		
6,800.00	6,598.28	6,599.01	6,557.60	32.33	28.91	-118.45	110.05	-1,005.73	1,485.60	1,426.15	59.45	24.990		
6,850.00	6,648.21	6,668.44	6,627.03	32.51	29.19	-118.46	110.13	-1,004.99	1,486.55	1,426.56	59.99	24.782		
6,900.00	6,697.79	6,706.68	6,665.27	32.69	29.35	-118.40	110.02	-1,004.58	1,489.21	1,428.90	60.31	24.693		
6,950.00	6,746.73	6,742.18	6,700.77	32.86	29.50	-118.25	110.09	-1,004.56	1,494.21	1,433.60	60.62	24.650		
7,000.00	6,794.71	6,781.61	6,740.19	33.03	29.66	-118.05	110.35	-1,004.88	1,501.54	1,440.57	60.96	24.631		
7,050.00	6,841.44	6,826.23	6,784.82	33.20	29.85	-117.83	110.79	-1,005.22	1,510.93	1,449.57	61.36	24.624 SF		
7,100.00	6,886.64	6,875.23	6,833.81	33.35	30.05	-117.62	111.36	-1,005.50	1,522.33	1,460.53	61.80	24.633		
7,150.00	6,930.03	6,931.18	6,889.75	33.50	30.28	-117.50	111.52	-1,005.90	1,535.47	1,473.17	62.31	24.644		
7,200.00	6,971.33	6,972.02	6,930.59	33.64	30.45	-117.04	111.33	-1,006.30	1,550.47	1,487.77	62.71	24.726		
7,250.00	7,010.30	7,007.06	6,965.63	33.77	30.60	-116.35	111.20	-1,006.74	1,567.67	1,504.59	63.08	24.853		
7,300.00	7,046.69	7,038.84	6,997.41	33.89	30.73	-115.43	111.11	-1,007.21	1,587.07	1,523.63	63.44	25.017		
7,350.00	7,080.28	7,066.44	7,025.01	34.00	30.85	-114.22	111.13	-1,007.64	1,608.67	1,544.89	63.78	25.221		
7,400.00	7,110.86	7,091.49	7,050.05	34.11	30.95	-112.73	111.25	-1,008.04	1,632.43	1,568.31	64.12	25.458		
7,450.00	7,138.25	7,113.82	7,072.38	34.21	31.05	-110.92	111.43	-1,008.39	1,658.24	1,593.79	64.46	25.726		
7,500.00	7,162.27	7,137.38	7,095.94	34.32	31.15	-108.90	111.67	-1,008.76	1,685.98	1,621.16	64.82	26.010		
7,550.00	7,182.77	7,159.48	7,118.03	34.43	31.24	-106.58	111.88	-1,009.09	1,715.45	1,650.26	65.19	26.316		
7,600.00	7,199.64	7,177.58	7,136.13	34.57	31.31	-103.83	112.04	-1,009.34	1,746.52	1,680.98	65.54	26.650		
7,650.00	7,212.76	7,191.56	7,150.10	34.76	31.37	-100.63	112.15	-1,009.52	1,779.03	1,713.17	65.87	27.010		
7,700.00	7,222.06	7,201.29	7,159.84	35.02	31.41	-96.96	112.22	-1,009.64	1,812.80	1,746.63	66.17	27.396		
7,750.00	7,227.47	7,206.70	7,165.24	35.37	31.43	-92.85	112.26	-1,009.71	1,847.61	1,781.16	66.45	27.805		
7,793.42	7,229.00	7,207.83	7,166.37	35.74	31.44	-88.94	112.27	-1,009.72	1,878.51	1,811.85	66.67	28.178		
7,800.00	7,229.01	7,207.74	7,166.29	35.80	31.44	-88.94	112.27	-1,009.72	1,883.24	1,816.54	66.70	28.235		
7,900.00	7,229.11	7,206.50	7,165.04	36.91	31.43	-88.88	112.26	-1,009.71	1,956.38	1,889.20	67.18	29.121		
8,000.00	7,229.22	7,205.23	7,163.78	38.28	31.43	-88.83	112.25	-1,009.69	2,031.82	1,964.15	67.67	30.025		
8,100.00	7,229.33	7,203.96	7,162.50	39.83	31.42	-88.77	112.24	-1,009.68	2,109.30	2,041.14	68.16	30.948		
8,200.00	7,229.43	7,202.67	7,161.22	41.53	31.42	-88.72	112.23	-1,009.66	2,188.61	2,119.97	68.63	31.888		
8,300.00	7,229.54	7,201.37	7,159.92	43.36	31.41	-88.66	112.23	-1,009.64	2,269.55	2,200.45	69.10	32.846		
8,400.00	7,229.65	7,200.06	7,158.60	45.30	31.41	-88.60	112.22	-1,009.63	2,351.96	2,282.41	69.54	33.820		
8,500.00	7,229.75	7,198.73	7,157.28	47.33	31.40	-88.54	112.21	-1,009.61	2,435.68	2,365.71	69.97	34.809		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,229.86	7,197.39	7,155.94	49.45	31.40	-88.48	112.20	-1,009.59	2,520.59	2,450.21	70.38	35.812		
8,700.00	7,229.97	7,196.04	7,154.58	51.64	31.39	-88.42	112.19	-1,009.58	2,606.57	2,535.80	70.77	36.829		
8,800.00	7,230.07	7,194.67	7,153.21	53.89	31.38	-88.36	112.17	-1,009.56	2,693.52	2,622.37	71.15	37.859		
8,900.00	7,230.18	7,193.29	7,151.83	56.19	31.38	-88.30	112.16	-1,009.54	2,781.34	2,709.84	71.50	38.900		
9,000.00	7,230.29	7,191.89	7,150.43	58.55	31.37	-88.24	112.15	-1,009.52	2,869.96	2,798.13	71.84	39.951		
9,100.00	7,230.39	7,190.47	7,149.02	60.94	31.37	-88.18	112.14	-1,009.51	2,959.31	2,887.15	72.16	41.012		
9,200.00	7,230.50	7,189.05	7,147.59	63.38	31.36	-88.12	112.13	-1,009.49	3,049.32	2,976.86	72.46	42.083		
9,300.00	7,230.61	7,187.60	7,146.15	65.85	31.35	-88.06	112.12	-1,009.47	3,139.93	3,067.18	72.75	43.161		
9,400.00	7,230.72	7,186.14	7,144.69	68.35	31.35	-87.99	112.11	-1,009.45	3,231.09	3,158.07	73.02	44.247		
9,500.00	7,230.82	7,184.67	7,143.22	70.87	31.34	-87.93	112.10	-1,009.43	3,322.77	3,249.48	73.29	45.340		
9,600.00	7,230.93	7,183.18	7,141.73	73.42	31.34	-87.86	112.08	-1,009.41	3,414.91	3,341.37	73.53	46.440		
9,700.00	7,231.04	7,181.67	7,140.22	75.99	31.33	-87.80	112.07	-1,009.39	3,507.47	3,433.70	73.77	47.545		
9,800.00	7,231.14	7,180.15	7,138.70	78.59	31.32	-87.73	112.06	-1,009.37	3,600.44	3,526.44	74.00	48.655		
9,900.00	7,231.25	7,178.61	7,137.15	81.19	31.32	-87.66	112.05	-1,009.35	3,693.77	3,619.56	74.22	49.771		
10,000.00	7,231.36	7,177.05	7,135.60	83.82	31.31	-87.59	112.03	-1,009.33	3,787.45	3,713.03	74.42	50.891		
10,100.00	7,231.46	7,175.47	7,134.02	86.46	31.30	-87.53	112.02	-1,009.31	3,881.44	3,806.82	74.62	52.015		
10,200.00	7,231.57	7,173.88	7,132.43	89.11	31.30	-87.46	112.01	-1,009.29	3,975.72	3,900.91	74.81	53.143		
10,300.00	7,231.68	7,172.27	7,130.82	91.77	31.29	-87.38	111.99	-1,009.26	4,070.27	3,995.28	74.99	54.274		
10,400.00	7,231.78	7,170.64	7,129.19	94.45	31.28	-87.31	111.98	-1,009.24	4,165.08	4,089.91	75.17	55.409		
10,500.00	7,231.89	7,168.99	7,127.54	97.14	31.28	-87.24	111.96	-1,009.22	4,260.12	4,184.78	75.34	56.546		
10,600.00	7,232.00	7,167.32	7,125.87	99.83	31.27	-87.17	111.95	-1,009.20	4,355.39	4,279.89	75.50	57.686		
10,700.00	7,232.10	7,165.64	7,124.18	102.53	31.26	-87.10	111.93	-1,009.17	4,450.86	4,375.20	75.66	58.828		
10,800.00	7,232.21	7,163.93	7,122.48	105.25	31.26	-87.02	111.92	-1,009.15	4,546.53	4,470.72	75.81	59.972		
10,900.00	7,232.32	7,162.20	7,120.75	107.96	31.25	-86.94	111.90	-1,009.12	4,642.38	4,566.42	75.96	61.118		
11,000.00	7,232.42	7,160.45	7,119.00	110.69	31.24	-86.87	111.89	-1,009.10	4,738.40	4,662.30	76.10	62.266		
11,100.00	7,232.53	7,158.69	7,117.24	113.42	31.23	-86.79	111.87	-1,009.07	4,834.58	4,758.34	76.24	63.415		
11,200.00	7,232.64	7,156.90	7,115.45	116.16	31.23	-86.71	111.86	-1,009.05	4,930.91	4,854.54	76.37	64.565		
11,300.00	7,232.74	7,155.09	7,113.64	118.90	31.22	-86.63	111.84	-1,009.02	5,027.39	4,950.89	76.50	65.717		
11,400.00	7,232.85	7,153.25	7,111.80	121.65	31.21	-86.55	111.82	-1,009.00	5,124.00	5,047.37	76.63	66.870		
11,500.00	7,232.96	7,151.40	7,109.95	124.41	31.20	-86.47	111.80	-1,008.97	5,220.74	5,143.99	76.75	68.023		
11,600.00	7,233.06	7,149.52	7,108.07	127.16	31.20	-86.39	111.79	-1,008.94	5,317.60	5,240.73	76.87	69.178		
11,700.00	7,233.17	7,147.62	7,106.17	129.92	31.19	-86.31	111.77	-1,008.91	5,414.57	5,337.58	76.99	70.332		
11,800.00	7,233.28	7,145.69	7,104.25	132.69	31.18	-86.22	111.75	-1,008.89	5,511.65	5,434.55	77.10	71.488		
11,900.00	7,233.38	7,143.75	7,102.30	135.46	31.17	-86.14	111.73	-1,008.86	5,608.83	5,531.62	77.21	72.643		
12,000.00	7,233.49	7,141.77	7,100.32	138.23	31.16	-86.05	111.71	-1,008.83	5,706.11	5,628.79	77.32	73.799		
12,100.00	7,233.60	7,139.77	7,098.33	141.01	31.16	-85.97	111.69	-1,008.80	5,803.48	5,726.05	77.43	74.955		
12,200.00	7,233.71	7,137.75	7,096.30	143.79	31.15	-85.88	111.67	-1,008.77	5,900.94	5,823.41	77.53	76.112		
12,300.00	7,233.81	7,135.70	7,094.25	146.57	31.14	-85.79	111.65	-1,008.73	5,998.48	5,920.84	77.63	77.268		
12,400.00	7,233.92	7,133.62	7,092.18	149.35	31.13	-85.70	111.63	-1,008.70	6,096.10	6,018.36	77.73	78.424		
12,500.00	7,234.03	7,131.52	7,090.07	152.14	31.12	-85.61	111.61	-1,008.67	6,193.79	6,115.96	77.83	79.579		
12,600.00	7,234.13	7,129.39	7,087.94	154.93	31.11	-85.51	111.59	-1,008.64	6,291.56	6,213.63	77.93	80.735		
12,700.00	7,234.24	7,127.23	7,085.79	157.72	31.10	-85.42	111.56	-1,008.60	6,389.40	6,311.37	78.02	81.890		
12,800.00	7,234.35	7,125.04	7,083.60	160.52	31.09	-85.32	111.54	-1,008.57	6,487.30	6,409.18	78.12	83.045		
12,900.00	7,234.45	7,122.83	7,081.38	163.31	31.08	-85.23	111.52	-1,008.53	6,585.26	6,507.05	78.21	84.199		
13,000.00	7,234.56	7,121.00	7,079.56	166.11	31.08	-85.15	111.50	-1,008.51	6,683.29	6,604.98	78.30	85.350		
13,100.00	7,234.67	7,119.56	7,078.12	168.91	31.07	-85.08	111.48	-1,008.48	6,781.37	6,702.97	78.40	86.499		
13,200.00	7,234.77	7,118.35	7,076.90	171.71	31.07	-85.03	111.47	-1,008.46	6,879.50	6,801.01	78.49	87.646		
13,300.00	7,234.88	7,117.14	7,075.69	174.52	31.06	-84.98	111.46	-1,008.44	6,977.69	6,899.11	78.59	88.792		
13,400.00	7,234.99	7,115.92	7,074.48	177.32	31.06	-84.93	111.45	-1,008.42	7,075.93	6,997.26	78.68	89.936		
13,500.00	7,235.09	7,114.71	7,073.27	180.13	31.05	-84.87	111.43	-1,008.41	7,174.22	7,095.45	78.77	91.080		
13,600.00	7,235.20	7,113.50	7,072.06	182.94	31.05	-84.82	111.42	-1,008.39	7,272.56	7,193.70	78.86	92.222		
13,700.00	7,235.31	7,112.30	7,070.85	185.74	31.04	-84.77	111.41	-1,008.37	7,370.93	7,291.99	78.95	93.363		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,235.41	7,111.09	7,069.65	188.56	31.04	-84.72	111.40	-1,008.35	7,469.36	7,390.32	79.04	94.503		
13,900.00	7,235.52	7,109.88	7,068.44	191.37	31.03	-84.66	111.39	-1,008.33	7,567.82	7,488.69	79.13	95.641		
14,000.00	7,235.63	7,108.68	7,067.23	194.18	31.03	-84.61	111.38	-1,008.31	7,666.32	7,587.11	79.22	96.778		
14,100.00	7,235.73	7,107.47	7,066.03	197.00	31.02	-84.56	111.37	-1,008.29	7,764.86	7,685.56	79.30	97.914		
14,200.00	7,235.84	7,106.27	7,064.83	199.81	31.02	-84.51	111.36	-1,008.27	7,863.44	7,784.05	79.39	99.048		
14,300.00	7,235.95	7,105.06	7,063.62	202.63	31.01	-84.45	111.35	-1,008.25	7,962.05	7,882.57	79.48	100.180		
14,400.00	7,236.05	7,103.86	7,062.42	205.44	31.01	-84.40	111.34	-1,008.23	8,060.70	7,981.13	79.56	101.311		
14,500.00	7,236.16	7,102.66	7,061.22	208.26	31.00	-84.35	111.33	-1,008.21	8,159.38	8,079.73	79.65	102.440		
14,600.00	7,236.27	7,101.46	7,060.02	211.08	31.00	-84.30	111.32	-1,008.19	8,258.09	8,178.35	79.74	103.568		
14,700.00	7,236.37	7,100.26	7,058.82	213.90	30.99	-84.25	111.31	-1,008.18	8,356.83	8,277.01	79.82	104.694		
14,800.00	7,236.48	7,099.06	7,057.62	216.72	30.99	-84.19	111.30	-1,008.16	8,455.60	8,375.69	79.91	105.818		
14,900.00	7,236.59	7,097.86	7,056.42	219.55	30.98	-84.14	111.29	-1,008.14	8,554.40	8,474.41	79.99	106.941		
15,000.00	7,236.69	7,096.67	7,055.23	222.37	30.98	-84.09	111.28	-1,008.12	8,653.23	8,573.15	80.08	108.061		
15,100.00	7,236.80	7,095.47	7,054.03	225.19	30.97	-84.04	111.27	-1,008.10	8,752.08	8,671.92	80.16	109.180		
15,200.00	7,236.91	7,094.27	7,052.83	228.02	30.97	-83.99	111.26	-1,008.08	8,850.96	8,770.71	80.25	110.297		
15,300.00	7,237.02	7,093.08	7,051.64	230.84	30.96	-83.93	111.26	-1,008.06	8,949.86	8,869.53	80.33	111.412		
15,400.00	7,237.12	7,091.89	7,050.45	233.67	30.96	-83.88	111.25	-1,008.04	9,048.79	8,968.37	80.42	112.525		
15,500.00	7,237.23	7,090.69	7,049.25	236.50	30.95	-83.83	111.24	-1,008.02	9,147.74	9,067.24	80.50	113.636		
15,600.00	7,237.34	7,089.50	7,048.06	239.32	30.95	-83.78	111.23	-1,008.01	9,246.71	9,166.12	80.58	114.745		
15,700.00	7,237.44	7,088.31	7,046.87	242.15	30.94	-83.73	111.23	-1,007.99	9,345.70	9,265.03	80.67	115.852		
15,800.00	7,237.55	7,087.12	7,045.68	244.98	30.94	-83.68	111.22	-1,007.97	9,444.72	9,363.96	80.75	116.957		
15,900.00	7,237.66	7,085.93	7,044.49	247.81	30.93	-83.62	111.21	-1,007.95	9,543.75	9,462.92	80.84	118.060		
16,000.00	7,237.76	7,084.74	7,043.30	250.64	30.93	-83.57	111.21	-1,007.93	9,642.81	9,561.89	80.92	119.160		
16,100.00	7,237.87	7,083.55	7,042.12	253.47	30.92	-83.52	111.20	-1,007.91	9,741.88	9,660.88	81.01	120.259		
16,200.00	7,237.98	7,082.37	7,040.93	256.30	30.92	-83.47	111.19	-1,007.89	9,840.98	9,759.88	81.09	121.355		
16,300.00	7,238.08	7,081.18	7,039.74	259.13	30.91	-83.42	111.19	-1,007.87	9,940.09	9,858.91	81.18	122.449		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-68.46	361.78	-916.68	986.18					
100.00	100.00	57.66	57.66	3.28	3.29	-68.46	361.79	-916.79	985.61	979.04	6.57	149.965		
200.00	200.00	146.28	146.28	3.34	3.34	-68.48	361.95	-917.80	986.73	980.05	6.68	147.808		
300.00	299.98	272.96	272.94	3.44	3.48	97.78	361.63	-918.79	987.68	980.76	6.92	142.817		
400.00	399.84	454.00	453.73	3.59	3.80	98.32	357.11	-911.56	984.16	976.71	7.45	132.126		
500.00	499.45	609.73	608.28	3.79	4.21	99.19	347.80	-895.00	973.34	965.23	8.11	120.090		
600.00	598.70	772.04	767.70	4.03	4.79	100.48	332.80	-868.70	956.59	947.66	8.92	107.213		
700.00	697.47	868.27	861.60	4.31	5.21	101.64	322.36	-850.40	937.56	928.07	9.49	98.830		
800.00	795.62	984.55	974.96	4.64	5.77	103.27	309.79	-827.82	919.17	908.95	10.22	89.951		
900.00	893.06	1,097.90	1,084.72	5.00	6.38	105.25	297.09	-802.53	899.06	888.08	10.99	81.844		
1,000.00	989.64	1,192.31	1,176.14	5.40	6.93	107.28	287.59	-780.95	880.58	868.87	11.71	75.192		
1,100.00	1,085.27	1,298.88	1,278.90	5.83	7.57	109.79	275.78	-755.31	862.49	849.94	12.54	68.773		
1,200.00	1,179.82	1,401.12	1,377.32	6.29	8.23	112.39	262.77	-730.88	846.10	832.71	13.40	63.147		
1,235.00	1,212.63	1,438.64	1,413.33	6.46	8.47	113.39	257.63	-721.70	840.64	826.93	13.71	61.298		
1,300.00	1,273.43	1,487.67	1,460.50	6.79	8.80	114.56	250.56	-710.36	831.51	817.28	14.24	58.403		
1,400.00	1,366.98	1,586.76	1,555.92	7.30	9.45	116.81	234.51	-688.98	818.90	803.75	15.15	54.038		
1,500.00	1,460.52	1,696.69	1,661.20	7.84	10.20	119.07	211.93	-666.89	806.00	789.88	16.12	50.000		
1,600.00	1,554.07	1,804.56	1,763.71	8.38	10.96	121.04	185.13	-646.70	792.30	775.21	17.09	46.374		
1,700.00	1,647.61	1,920.00	1,872.59	8.93	11.80	122.97	152.75	-626.16	777.92	759.85	18.07	43.049		
1,800.00	1,741.16	2,055.95	1,998.54	9.49	12.88	125.11	108.50	-600.55	760.07	741.00	19.08	39.846		
1,900.00	1,834.70	2,165.60	2,098.30	10.06	13.84	126.73	68.39	-579.10	739.14	719.09	20.05	36.867		
2,000.00	1,928.25	2,258.68	2,182.80	10.63	14.67	128.26	34.44	-559.84	718.04	697.01	21.03	34.149		
2,100.00	2,021.79	2,350.06	2,266.09	11.21	15.50	129.88	1.93	-541.00	698.26	676.25	22.02	31.714		
2,200.00	2,115.33	2,441.46	2,349.62	11.79	16.33	131.70	-29.48	-521.21	679.48	656.46	23.02	29.516		
2,300.00	2,208.88	2,530.55	2,431.31	12.37	17.14	133.44	-60.36	-503.63	662.44	638.40	24.04	27.557		
2,400.00	2,302.42	2,647.82	2,538.68	12.96	18.22	135.83	-101.40	-480.44	646.02	620.99	25.03	25.813		
2,500.00	2,395.97	2,784.53	2,660.01	13.55	19.61	138.57	-157.18	-451.30	623.91	598.00	25.91	24.079		
2,600.00	2,489.51	2,870.93	2,735.53	14.14	20.52	140.33	-194.85	-432.83	600.21	573.20	27.00	22.227		
2,700.00	2,583.06	2,946.50	2,802.88	14.74	21.30	142.03	-225.40	-417.32	580.54	552.37	28.18	20.602		
2,800.00	2,676.60	3,046.84	2,892.72	15.34	22.31	144.37	-265.45	-397.47	562.69	533.43	29.26	19.230		
2,900.00	2,770.14	3,140.85	2,976.53	15.93	23.26	146.55	-304.21	-379.87	544.95	514.54	30.41	17.923		
3,000.00	2,863.69	3,220.90	3,048.64	16.53	24.06	148.58	-335.58	-364.89	530.14	498.47	31.67	16.740		
3,100.00	2,957.23	3,303.62	3,124.26	17.13	24.85	150.83	-365.39	-349.57	519.52	486.56	32.96	15.760		
3,200.00	3,050.78	3,400.60	3,213.03	17.74	25.78	153.73	-399.39	-330.34	510.74	476.45	34.29	14.896		
3,300.00	3,144.32	3,489.23	3,294.55	18.34	26.61	156.33	-430.11	-314.03	504.15	468.46	35.68	14.129		
3,400.00	3,237.87	3,581.77	3,380.19	18.94	27.46	159.13	-460.69	-296.91	500.48	463.35	37.13	13.479		
3,500.00	3,331.41	3,692.88	3,482.45	19.55	28.51	162.55	-498.79	-276.04	496.96	458.33	38.62	12.867		
3,600.00	3,424.96	3,784.84	3,566.53	20.15	29.38	165.32	-532.20	-259.60	492.89	452.68	40.20	12.260		
3,666.72	3,487.37	3,842.53	3,619.84	20.56	29.92	167.00	-551.99	-249.86	492.33	451.06	41.27	11.928		
3,691.88	3,510.94	3,867.05	3,642.53	20.71	30.14	167.72	-560.31	-245.72	492.27	450.59	41.68	11.811		
3,700.00	3,518.57	3,874.96	3,649.85	20.76	30.21	167.95	-563.00	-244.37	492.21	450.40	41.81	11.773		
3,800.00	3,613.09	3,996.57	3,761.44	21.34	31.36	171.53	-606.35	-223.16	488.82	445.39	43.43	11.256		
3,900.00	3,708.70	4,100.55	3,855.06	21.90	32.42	174.75	-647.45	-204.18	479.12	433.96	45.17	10.608		
4,000.00	3,805.27	4,196.59	3,941.08	22.44	33.42	177.88	-686.32	-186.50	466.45	419.43	47.02	9.920		
4,100.00	3,902.69	4,283.53	4,018.90	22.95	34.33	-178.92	-720.70	-168.65	453.12	404.10	49.02	9.243		
4,200.00	4,000.84	4,378.45	4,104.25	23.43	35.32	-175.25	-757.55	-149.42	438.92	387.83	51.09	8.591		
4,300.00	4,099.59	4,475.52	4,191.08	23.89	36.35	-171.04	-795.80	-128.94	423.01	369.73	53.29	7.939		
4,400.00	4,198.84	4,571.19	4,276.21	24.32	37.37	-166.40	-834.57	-108.91	405.08	349.49	55.59	7.286		
4,500.00	4,298.45	4,664.96	4,359.82	24.73	38.39	-161.36	-872.42	-89.69	386.72	328.75	57.97	6.671		
4,600.00	4,398.30	4,754.19	4,438.51	25.11	39.37	-155.70	-909.85	-70.51	367.78	307.34	60.45	6.085		
4,701.72	4,500.00	4,836.68	4,511.73	25.45	40.27	43.94	-943.13	-52.16	351.56	288.79	62.77	5.601		
4,800.00	4,598.28	4,920.21	4,587.02	25.74	41.15	49.82	-974.26	-33.74	341.30	276.57	64.72	5.273		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	5,014.11	4,672.12	26.04	42.11	56.51	-1,008.43	-13.56	336.16	269.65	66.51	5.054		
4,989.49	4,787.77	5,100.65	4,750.77	26.31	42.99	62.68	-1,040.26	3.45	334.54	266.71	67.83	4.932		
5,000.00	4,798.28	5,110.33	4,759.53	26.34	43.09	63.38	-1,043.93	5.34	334.57	266.62	67.96	4.923		
5,100.00	4,898.28	5,201.72	4,841.78	26.65	44.02	70.17	-1,079.42	23.42	337.75	268.90	68.85	4.906		
5,200.00	4,998.28	5,292.56	4,924.66	26.96	44.93	76.32	-1,112.50	40.37	345.84	276.54	69.30	4.991		
5,300.00	5,098.28	5,389.64	5,014.48	27.27	45.82	82.06	-1,144.78	58.01	358.25	288.68	69.57	5.149		
5,400.00	5,198.28	5,492.25	5,112.31	27.59	46.63	86.52	-1,171.47	73.57	371.27	301.38	69.89	5.312		
5,500.00	5,298.28	5,601.60	5,218.27	27.91	47.37	90.11	-1,194.53	87.50	383.69	313.41	70.28	5.459		
5,600.00	5,398.28	5,699.26	5,313.58	28.23	47.97	92.79	-1,212.90	98.34	395.47	324.98	70.49	5.611		
5,700.00	5,498.28	5,812.53	5,424.76	28.56	48.61	95.40	-1,231.87	108.56	405.77	334.92	70.85	5.727		
5,800.00	5,598.28	5,921.59	5,532.49	28.89	49.14	97.45	-1,247.33	115.65	413.91	342.76	71.15	5.818		
5,900.00	5,698.28	6,026.49	5,636.75	29.22	49.59	98.75	-1,257.62	120.61	419.98	348.45	71.53	5.872		
6,000.00	5,798.28	6,132.44	5,742.29	29.56	49.99	99.76	-1,265.82	124.96	425.30	353.36	71.94	5.912		
6,100.00	5,898.28	6,242.79	5,852.49	29.90	50.34	100.35	-1,270.76	127.67	428.49	356.09	72.40	5.919		
6,200.00	5,998.28	6,348.43	5,958.11	30.24	50.62	100.58	-1,272.77	128.82	429.91	356.99	72.92	5.896		
6,300.00	6,098.28	6,455.58	6,065.25	30.58	50.86	100.61	-1,272.93	128.73	429.86	356.41	73.45	5.852		
6,400.00	6,198.28	6,561.64	6,171.29	30.92	51.05	100.43	-1,271.29	127.20	428.16	354.15	74.01	5.785		
6,500.00	6,298.28	6,666.48	6,276.06	31.27	51.22	100.10	-1,268.33	124.63	425.24	350.64	74.60	5.700		
6,600.00	6,398.28	6,769.93	6,379.40	31.62	51.39	99.76	-1,265.16	121.10	421.35	346.13	75.22	5.602		
6,700.00	6,498.28	6,855.59	6,465.02	31.97	51.56	99.74	-1,264.68	119.15	418.97	342.96	76.01	5.512		
6,794.10	6,592.38	6,954.51	6,563.93	32.31	51.77	99.80	-1,264.88	117.64	417.59	341.07	76.52	5.457		
6,800.00	6,598.28	6,959.37	6,568.79	32.33	51.78	9.99	-1,264.90	117.56	417.46	340.90	76.57	5.452		
6,850.00	6,648.21	7,007.85	6,617.27	32.51	51.89	10.16	-1,265.18	116.71	414.26	337.40	76.86	5.390		
6,900.00	6,697.79	7,053.52	6,662.92	32.69	52.01	10.55	-1,266.03	116.03	407.47	330.33	77.14	5.283		
6,950.00	6,746.73	7,096.66	6,706.04	32.86	52.13	11.15	-1,267.37	115.87	397.54	320.16	77.37	5.138		
7,000.00	6,794.71	7,144.98	6,754.31	33.03	52.26	12.11	-1,269.35	116.14	384.43	306.94	77.49	4.961		
7,050.00	6,841.44	7,199.25	6,808.56	33.20	52.42	13.44	-1,270.99	115.73	367.02	289.57	77.46	4.738		
7,100.00	6,886.64	7,248.24	6,857.52	33.35	52.53	15.08	-1,271.83	114.66	345.41	268.04	77.37	4.464		
7,150.00	6,930.03	7,294.10	6,903.37	33.50	52.64	17.21	-1,272.18	113.27	320.12	242.92	77.20	4.147		
7,200.00	6,971.33	7,339.50	6,948.73	33.64	52.72	20.17	-1,271.97	111.43	291.29	214.47	76.81	3.792		
7,250.00	7,010.30	7,381.38	6,990.53	33.77	52.80	24.23	-1,271.07	109.17	259.10	182.87	76.23	3.399		
7,300.00	7,046.69	7,412.27	7,021.36	33.89	52.86	29.18	-1,270.16	107.46	224.50	148.80	75.70	2.966		
7,350.00	7,080.28	7,440.51	7,049.57	34.00	52.91	36.01	-1,269.48	106.44	188.80	114.00	74.79	2.524		
7,400.00	7,110.86	7,467.28	7,076.34	34.11	52.96	45.65	-1,268.97	105.95	152.78	79.60	73.19	2.088		
7,450.00	7,138.25	7,494.37	7,103.42	34.21	53.01	59.61	-1,268.54	105.75	118.01	47.63	70.38	1.677		
7,500.00	7,162.27	7,518.40	7,127.44	34.32	53.06	76.17	-1,268.11	105.44	88.55	20.93	67.62	1.310 Level 3		
7,550.00	7,182.77	7,538.33	7,147.37	34.43	53.10	91.08	-1,267.71	105.08	75.19	2.26	72.93	1.031 Level 2		
7,550.85	7,183.09	7,538.63	7,147.67	34.43	53.10	91.30	-1,267.70	105.08	75.18	2.07	73.11	1.028 Level 2, CC, ES, SF		
7,600.00	7,199.64	7,554.17	7,163.20	34.57	53.14	101.13	-1,267.36	104.73	88.49	5.74	82.75	1.069 Level 2		
7,650.00	7,212.76	7,566.01	7,175.03	34.76	53.16	105.58	-1,267.09	104.43	121.38	35.22	86.15	1.409 Level 3		
7,700.00	7,222.06	7,573.99	7,183.01	35.02	53.17	104.59	-1,266.89	104.21	163.06	76.49	86.58	1.883		
7,750.00	7,227.47	7,578.06	7,187.08	35.37	53.18	97.75	-1,266.79	104.11	208.61	122.28	86.32	2.417		
7,793.42	7,229.00	7,578.42	7,187.43	35.74	53.18	86.68	-1,266.79	104.10	249.65	163.63	86.02	2.902		
7,800.00	7,229.01	7,578.25	7,187.26	35.80	53.18	86.55	-1,266.79	104.10	255.94	169.96	85.97	2.977		
7,900.00	7,229.11	7,575.70	7,184.72	36.91	53.18	84.60	-1,266.85	104.17	352.81	267.44	85.37	4.133		
8,000.00	7,229.22	7,573.19	7,182.21	38.28	53.17	82.69	-1,266.91	104.24	451.03	366.09	84.94	5.310		
8,100.00	7,229.33	7,570.70	7,179.72	39.83	53.17	80.82	-1,266.97	104.30	549.89	465.25	84.64	6.497		
8,200.00	7,229.43	7,568.24	7,177.27	41.53	53.16	79.00	-1,267.03	104.37	649.08	564.67	84.42	7.689		
8,300.00	7,229.54	7,565.81	7,174.84	43.36	53.16	77.22	-1,267.09	104.43	748.49	664.24	84.25	8.884		
8,400.00	7,229.65	7,563.41	7,172.44	45.30	53.15	75.49	-1,267.15	104.49	848.02	763.90	84.12	10.081		
8,500.00	7,229.75	7,561.04	7,170.07	47.33	53.15	73.81	-1,267.20	104.56	947.65	863.63	84.02	11.279		
8,600.00	7,229.86	7,559.04	7,168.07	49.45	53.15	72.41	-1,267.25	104.61	1,047.34	963.40	83.94	12.477		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	7,557.12	7,166.15	51.64	53.14	71.10	-1,267.29	104.66	1,147.08	1,063.21	83.88	13.676		
8,800.00	7,230.07	7,555.27	7,164.31	53.89	53.14	69.85	-1,267.34	104.70	1,246.86	1,163.04	83.83	14.874		
8,900.00	7,230.18	7,553.50	7,162.53	56.19	53.13	68.67	-1,267.38	104.74	1,346.67	1,262.89	83.79	16.073		
9,000.00	7,230.29	7,551.78	7,160.81	58.55	53.13	67.55	-1,267.42	104.79	1,446.50	1,362.75	83.75	17.271		
9,100.00	7,230.39	7,550.13	7,159.16	60.94	53.13	66.49	-1,267.45	104.82	1,546.36	1,462.63	83.73	18.469		
9,200.00	7,230.50	7,548.53	7,157.56	63.38	53.12	65.48	-1,267.49	104.86	1,646.22	1,562.51	83.71	19.666		
9,300.00	7,230.61	7,546.98	7,156.02	65.85	53.12	64.52	-1,267.52	104.90	1,746.10	1,662.41	83.70	20.862		
9,400.00	7,230.72	7,545.49	7,154.53	68.35	53.12	63.61	-1,267.56	104.93	1,846.00	1,762.31	83.69	22.058		
9,500.00	7,230.82	7,544.05	7,153.09	70.87	53.11	62.75	-1,267.59	104.96	1,945.90	1,862.21	83.68	23.253		
9,600.00	7,230.93	7,542.66	7,151.69	73.42	53.11	61.92	-1,267.62	104.99	2,045.81	1,962.13	83.68	24.447		
9,700.00	7,231.04	7,541.30	7,150.34	75.99	53.11	61.13	-1,267.65	105.02	2,145.73	2,062.04	83.69	25.640		
9,800.00	7,231.14	7,540.00	7,149.04	78.59	53.11	60.38	-1,267.67	105.05	2,245.65	2,161.96	83.69	26.833		
9,900.00	7,231.25	7,538.73	7,147.77	81.19	53.10	59.67	-1,267.70	105.07	2,345.58	2,261.88	83.70	28.024		
10,000.00	7,231.36	7,537.50	7,146.54	83.82	53.10	58.98	-1,267.73	105.10	2,445.51	2,361.80	83.71	29.214		
10,100.00	7,231.46	7,536.31	7,145.35	86.46	53.10	58.33	-1,267.75	105.12	2,545.45	2,461.73	83.72	30.403		
10,200.00	7,231.57	7,535.15	7,144.19	89.11	53.10	57.70	-1,267.78	105.15	2,645.39	2,561.65	83.74	31.591		
10,300.00	7,231.68	7,534.02	7,143.07	91.77	53.09	57.10	-1,267.80	105.17	2,745.33	2,661.58	83.75	32.778		
10,400.00	7,231.78	7,532.93	7,141.97	94.45	53.09	56.53	-1,267.82	105.19	2,845.28	2,761.51	83.77	33.964		
10,500.00	7,231.89	7,531.87	7,140.91	97.14	53.09	55.98	-1,267.84	105.21	2,945.23	2,861.44	83.80	35.148		
10,600.00	7,232.00	7,530.84	7,139.88	99.83	53.09	55.45	-1,267.86	105.23	3,045.19	2,961.37	83.82	36.331		
10,700.00	7,232.10	7,529.84	7,138.88	102.53	53.09	54.95	-1,267.89	105.25	3,145.14	3,061.30	83.84	37.512		
10,800.00	7,232.21	7,528.86	7,137.91	105.25	53.08	54.46	-1,267.90	105.27	3,245.10	3,161.23	83.87	38.692		
10,900.00	7,232.32	7,527.91	7,136.96	107.96	53.08	53.99	-1,267.92	105.28	3,345.06	3,261.16	83.90	39.871		
11,000.00	7,232.42	7,526.99	7,136.03	110.69	53.08	53.54	-1,267.94	105.30	3,445.02	3,361.10	83.93	41.048		
11,100.00	7,232.53	7,526.09	7,135.13	113.42	53.08	53.11	-1,267.96	105.32	3,544.99	3,461.03	83.96	42.223		
11,200.00	7,232.64	7,525.21	7,134.26	116.16	53.08	52.69	-1,267.98	105.33	3,644.95	3,560.96	83.99	43.397		
11,300.00	7,232.74	7,524.36	7,133.40	118.90	53.07	52.29	-1,268.00	105.35	3,744.92	3,660.89	84.03	44.569		
11,400.00	7,232.85	7,523.52	7,132.57	121.65	53.07	51.90	-1,268.01	105.36	3,844.89	3,760.83	84.06	45.739		
11,500.00	7,232.96	7,522.71	7,131.76	124.41	53.07	51.53	-1,268.03	105.37	3,944.86	3,860.76	84.10	46.908		
11,600.00	7,233.06	7,521.92	7,130.96	127.16	53.07	51.16	-1,268.04	105.39	4,044.83	3,960.69	84.14	48.075		
11,700.00	7,233.17	7,521.14	7,130.19	129.92	53.07	50.82	-1,268.06	105.40	4,144.80	4,060.62	84.18	49.240		
11,800.00	7,233.28	7,520.39	7,129.43	132.69	53.07	50.48	-1,268.07	105.41	4,244.77	4,160.56	84.22	50.403		
11,900.00	7,233.38	7,519.65	7,128.70	135.46	53.06	50.15	-1,268.09	105.42	4,344.75	4,260.49	84.26	51.565		
12,000.00	7,233.49	7,518.93	7,127.98	138.23	53.06	49.84	-1,268.10	105.43	4,444.72	4,360.42	84.30	52.724		
12,100.00	7,233.60	7,518.23	7,127.27	141.01	53.06	49.53	-1,268.11	105.45	4,544.70	4,460.35	84.35	53.882		
12,200.00	7,233.71	7,517.54	7,126.59	143.79	53.06	49.24	-1,268.13	105.46	4,644.67	4,560.28	84.39	55.037		
12,300.00	7,233.81	7,516.87	7,125.91	146.57	53.06	48.95	-1,268.14	105.47	4,744.65	4,660.21	84.44	56.191		
12,400.00	7,233.92	7,516.26	7,125.26	149.35	52.74	18.63	-1,271.85	111.05	4,844.57	4,760.53	84.04	57.646		
12,500.00	7,234.03	7,515.60	7,124.63	152.14	52.73	18.50	-1,271.88	111.15	4,944.44	4,860.35	84.09	58.799		
12,600.00	7,234.13	7,514.98	7,124.03	154.93	52.73	18.36	-1,271.91	111.24	5,044.31	4,960.17	84.14	59.950		
12,700.00	7,234.24	7,514.39	7,123.46	157.72	52.73	18.24	-1,271.94	111.33	5,144.19	5,059.99	84.19	61.099		
12,800.00	7,234.35	7,513.83	7,122.91	160.52	52.72	18.11	-1,271.96	111.42	5,244.07	5,159.82	84.25	62.245		
12,900.00	7,234.45	7,513.30	7,122.39	163.31	52.72	18.00	-1,271.99	111.51	5,343.95	5,259.65	84.30	63.390		
13,000.00	7,234.56	7,512.80	7,121.89	166.11	52.72	17.88	-1,272.01	111.59	5,443.84	5,359.48	84.36	64.532		
13,100.00	7,234.67	7,512.31	7,121.40	168.91	52.71	17.77	-1,272.03	111.67	5,543.72	5,459.31	84.42	65.672		
13,200.00	7,234.77	7,511.83	7,120.93	171.71	52.71	17.66	-1,272.05	111.74	5,643.62	5,559.14	84.47	66.809		
13,300.00	7,234.88	7,511.36	7,120.48	174.52	52.71	17.56	-1,272.06	111.82	5,743.51	5,658.98	84.53	67.945		
13,400.00	7,234.99	7,510.91	7,120.04	177.32	52.70	17.46	-1,272.08	111.89	5,843.40	5,758.81	84.59	69.078		
13,500.00	7,235.09	7,510.47	7,119.61	180.13	52.70	17.36	-1,272.10	111.96	5,943.30	5,858.65	84.65	70.208		
13,600.00	7,235.20	7,510.04	7,119.18	182.94	52.70	17.27	-1,272.11	112.02	6,043.20	5,958.49	84.71	71.336		
13,700.00	7,235.31	7,509.61	7,118.76	185.74	52.69	17.18	-1,272.12	112.09	6,143.11	6,058.33	84.78	72.462		
13,800.00	7,235.41	7,509.20	7,118.35	188.56	52.64	15.65	-1,272.19	113.14	6,243.16	6,158.38	84.78	73.639		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,235.52	7,298.00	6,907.26	191.37	52.64	15.65	-1,272.19	113.14	6,343.05	6,258.20	84.85	74.757		
14,000.00	7,235.63	7,298.00	6,907.26	194.18	52.64	15.65	-1,272.19	113.14	6,442.94	6,358.03	84.92	75.872		
14,100.00	7,235.73	7,298.00	6,907.26	197.00	52.64	15.65	-1,272.19	113.14	6,542.84	6,457.85	84.99	76.985		
14,200.00	7,235.84	7,298.00	6,907.26	199.81	52.64	15.65	-1,272.19	113.14	6,642.74	6,557.68	85.06	78.096		
14,300.00	7,235.95	7,298.00	6,907.26	202.63	52.64	15.65	-1,272.19	113.14	6,742.64	6,657.51	85.13	79.203		
14,400.00	7,236.05	7,298.00	6,907.26	205.44	52.64	15.65	-1,272.19	113.14	6,842.55	6,757.35	85.20	80.309		
14,500.00	7,236.16	7,298.00	6,907.26	208.26	52.64	15.65	-1,272.19	113.14	6,942.46	6,857.18	85.28	81.411		
14,600.00	7,236.27	7,298.00	6,907.26	211.08	52.64	15.65	-1,272.19	113.14	7,042.37	6,957.02	85.35	82.511		
14,700.00	7,236.37	7,298.00	6,907.26	213.90	52.64	15.65	-1,272.19	113.14	7,142.28	7,056.86	85.43	83.609		
14,800.00	7,236.48	7,298.00	6,907.26	216.72	52.64	15.65	-1,272.19	113.14	7,242.20	7,156.70	85.50	84.703		
14,900.00	7,236.59	7,298.00	6,907.26	219.55	52.64	15.65	-1,272.19	113.14	7,342.11	7,256.54	85.58	85.795		
15,000.00	7,236.69	7,298.00	6,907.26	222.37	52.64	15.65	-1,272.19	113.14	7,442.03	7,356.38	85.65	86.885		
15,100.00	7,236.80	7,298.00	6,907.26	225.19	52.64	15.65	-1,272.19	113.14	7,541.96	7,456.22	85.73	87.971		
15,200.00	7,236.91	7,298.00	6,907.26	228.02	52.64	15.65	-1,272.19	113.14	7,641.88	7,556.07	85.81	89.055		
15,300.00	7,237.02	7,298.00	6,907.26	230.84	52.64	15.65	-1,272.19	113.14	7,741.81	7,655.92	85.89	90.136		
15,400.00	7,237.12	7,298.00	6,907.26	233.67	52.64	15.65	-1,272.19	113.14	7,841.73	7,755.76	85.97	91.214		
15,500.00	7,237.23	7,298.00	6,907.26	236.50	52.64	15.65	-1,272.19	113.14	7,941.66	7,855.61	86.05	92.290		
15,600.00	7,237.34	7,298.00	6,907.26	239.32	52.64	15.65	-1,272.19	113.14	8,041.60	7,955.46	86.13	93.362		
15,700.00	7,237.44	7,298.00	6,907.26	242.15	52.64	15.65	-1,272.19	113.14	8,141.53	8,055.31	86.22	94.432		
15,800.00	7,237.55	7,298.00	6,907.26	244.98	52.64	15.65	-1,272.19	113.14	8,241.46	8,155.16	86.30	95.499		
15,900.00	7,237.66	7,298.00	6,907.26	247.81	52.64	15.65	-1,272.19	113.14	8,341.40	8,255.02	86.38	96.562		
16,000.00	7,237.76	7,298.00	6,907.26	250.64	52.64	15.65	-1,272.19	113.14	8,441.34	8,354.87	86.47	97.623		
16,100.00	7,237.87	7,298.00	6,907.26	253.47	52.64	15.65	-1,272.19	113.14	8,541.28	8,454.72	86.55	98.682		
16,200.00	7,237.98	7,298.00	6,907.26	256.30	52.64	15.65	-1,272.19	113.14	8,641.22	8,554.58	86.64	99.737		
16,300.00	7,238.08	7,298.00	6,907.26	259.13	52.64	15.65	-1,272.19	113.14	8,741.16	8,654.43	86.73	100.789		
16,400.00	7,238.19	7,298.00	6,907.26	261.96	52.64	15.65	-1,272.19	113.14	8,841.10	8,754.29	86.82	101.838		
16,500.00	7,238.30	7,298.00	6,907.26	264.79	52.64	15.65	-1,272.19	113.14	8,941.05	8,854.15	86.90	102.884		
16,600.00	7,238.40	7,298.00	6,907.26	267.63	52.64	15.65	-1,272.19	113.14	9,041.00	8,954.00	86.99	103.928		
16,700.00	7,238.51	7,298.00	6,907.26	270.46	52.64	15.65	-1,272.19	113.14	9,140.94	9,053.86	87.08	104.968		
16,800.00	7,238.62	7,298.00	6,907.26	273.29	52.64	15.65	-1,272.19	113.14	9,240.89	9,153.72	87.17	106.005		
16,900.00	7,238.72	7,298.00	6,907.26	276.13	52.64	15.65	-1,272.19	113.14	9,340.84	9,253.58	87.27	107.039		
17,000.00	7,238.83	7,298.00	6,907.26	278.96	52.64	15.65	-1,272.19	113.14	9,440.79	9,353.43	87.36	108.070		
17,100.00	7,238.94	7,298.00	6,907.26	281.80	52.64	15.65	-1,272.19	113.14	9,540.74	9,453.29	87.45	109.099		
17,200.00	7,239.04	7,298.00	6,907.26	284.63	52.64	15.65	-1,272.19	113.14	9,640.70	9,553.15	87.54	110.124		
17,300.00	7,239.15	7,298.00	6,907.26	287.47	52.64	15.65	-1,272.19	113.14	9,740.65	9,653.01	87.64	111.146		
17,400.00	7,239.26	7,298.00	6,907.26	290.30	52.64	15.65	-1,272.19	113.14	9,840.60	9,752.87	87.73	112.165		
17,500.00	7,239.36	7,298.00	6,907.26	293.14	52.64	15.65	-1,272.19	113.14	9,940.56	9,852.73	87.83	113.180		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-67.05	392.37	-926.42	1,006.77					
100.00	100.00	60.47	60.47	3.28	3.29	-67.04	392.41	-926.46	1,006.15	999.57	6.57	153.076		
200.00	200.00	155.09	155.09	3.34	3.34	-67.03	392.78	-926.84	1,006.66	999.98	6.68	150.686		
300.00	299.98	251.73	251.72	3.44	3.45	99.23	393.50	-927.54	1,007.90	1,001.01	6.89	146.273		
400.00	399.84	347.76	347.75	3.59	3.60	99.50	394.40	-928.53	1,010.08	1,002.88	7.19	140.413		
500.00	499.45	451.63	451.61	3.79	3.81	99.98	395.41	-929.52	1,012.82	1,005.21	7.60	133.234		
600.00	598.70	550.68	550.64	4.03	4.05	100.61	396.17	-930.31	1,016.06	1,007.98	8.08	125.693		
700.00	697.47	649.33	649.29	4.31	4.32	101.40	397.04	-931.19	1,020.28	1,011.64	8.64	118.149		
800.00	795.62	750.92	750.88	4.64	4.62	102.33	396.84	-932.28	1,025.16	1,015.91	9.25	110.773		
900.00	893.06	853.06	852.99	5.00	4.93	103.37	395.43	-933.68	1,030.90	1,020.97	9.93	103.843		
1,000.00	989.64	975.01	974.84	5.40	5.33	104.71	390.93	-934.95	1,036.55	1,025.83	10.72	96.736		
1,100.00	1,085.27	1,072.66	1,072.25	5.83	5.66	105.78	384.24	-936.17	1,042.20	1,030.73	11.48	90.822		
1,200.00	1,179.82	1,164.49	1,163.79	6.29	5.99	106.84	377.17	-938.12	1,049.62	1,037.36	12.26	85.585		
1,235.00	1,212.63	1,198.53	1,197.67	6.46	6.12	107.23	374.04	-939.22	1,052.65	1,040.09	12.56	83.817		
1,300.00	1,273.43	1,262.61	1,261.30	6.79	6.36	108.02	367.02	-941.98	1,058.52	1,045.40	13.12	80.667		
1,400.00	1,366.98	1,377.41	1,374.78	7.30	6.83	109.21	350.95	-948.49	1,067.48	1,053.39	14.09	75.741		
1,500.00	1,460.52	1,519.72	1,514.93	7.84	7.45	110.56	326.91	-953.73	1,073.48	1,058.26	15.22	70.534		
1,600.00	1,554.07	1,625.12	1,618.29	8.38	7.94	111.46	306.50	-956.79	1,077.75	1,061.52	16.23	66.417		
1,700.00	1,647.61	1,777.00	1,765.84	8.93	8.71	112.48	270.79	-960.75	1,079.72	1,062.24	17.48	61.785		
1,800.00	1,741.16	1,918.05	1,901.53	9.49	9.50	113.34	232.33	-959.76	1,076.65	1,057.94	18.70	57.572		
1,900.00	1,834.70	2,044.01	2,021.21	10.06	10.26	113.92	193.12	-958.00	1,070.82	1,050.92	19.90	53.807		
2,000.00	1,928.25	2,160.22	2,129.73	10.63	11.06	114.20	151.60	-957.23	1,062.66	1,041.53	21.13	50.288		
2,100.00	2,021.79	2,257.64	2,219.06	11.21	11.79	114.15	112.84	-959.67	1,054.44	1,032.09	22.35	47.172		
2,200.00	2,115.33	2,369.46	2,320.35	11.79	12.69	113.91	65.65	-963.67	1,045.50	1,021.79	23.70	44.106		
2,300.00	2,208.88	2,457.65	2,400.03	12.37	13.43	113.70	27.97	-966.82	1,036.27	1,011.30	24.97	41.498		
2,400.00	2,302.42	2,546.99	2,480.73	12.96	14.20	113.44	-10.04	-971.62	1,028.53	1,002.26	26.27	39.148		
2,500.00	2,395.97	2,642.08	2,566.61	13.55	15.03	113.14	-50.47	-977.35	1,021.38	993.75	27.63	36.963		
2,600.00	2,489.51	2,737.41	2,652.48	14.14	15.88	112.79	-91.34	-983.88	1,014.69	985.66	29.02	34.960		
2,700.00	2,583.06	2,836.01	2,741.09	14.74	16.78	112.38	-133.97	-991.25	1,008.32	977.85	30.46	33.098		
2,800.00	2,676.60	2,934.84	2,830.27	15.34	17.69	112.01	-175.98	-998.24	1,002.12	970.20	31.91	31.402		
2,900.00	2,770.14	3,040.80	2,925.88	15.93	18.67	111.64	-221.12	-1,005.08	995.40	961.99	33.42	29.789		
3,000.00	2,863.69	3,134.63	3,011.06	16.53	19.53	111.37	-260.07	-1,010.66	988.99	954.15	34.83	28.392		
3,100.00	2,957.23	3,241.71	3,109.08	17.13	20.49	111.18	-302.86	-1,015.87	982.68	946.36	36.31	27.062		
3,200.00	3,050.78	3,338.48	3,197.45	17.74	21.37	111.01	-342.10	-1,020.00	975.53	937.80	37.73	25.853		
3,300.00	3,144.32	3,438.48	3,289.35	18.34	22.27	110.89	-381.27	-1,024.24	969.19	930.03	39.16	24.748		
3,400.00	3,237.87	3,539.80	3,382.35	18.94	23.18	110.77	-421.28	-1,028.22	962.41	921.80	40.61	23.701		
3,500.00	3,331.41	3,636.22	3,470.88	19.55	24.05	110.65	-459.27	-1,032.14	955.78	913.76	42.03	22.743		
3,600.00	3,424.96	3,732.96	3,560.00	20.15	24.92	110.57	-496.72	-1,035.98	949.51	906.07	43.44	21.858		
3,666.72	3,487.37	3,796.49	3,618.22	20.56	25.51	110.46	-521.93	-1,039.20	945.54	901.14	44.40	21.296		
3,700.00	3,518.57	3,830.73	3,649.38	20.76	25.82	110.32	-535.96	-1,041.33	943.56	898.65	44.90	21.012		
3,800.00	3,613.09	3,944.78	3,752.71	21.34	26.91	109.61	-583.80	-1,047.78	935.75	889.23	46.52	20.115		
3,900.00	3,708.70	4,051.38	3,848.96	21.90	27.95	108.65	-629.30	-1,053.08	925.92	877.82	48.10	19.249		
4,000.00	3,805.27	4,147.22	3,935.57	22.44	28.87	107.55	-670.16	-1,057.18	914.63	865.01	49.62	18.432		
4,100.00	3,902.69	4,243.37	4,022.98	22.95	29.79	106.28	-710.00	-1,061.15	903.10	851.97	51.13	17.663		
4,200.00	4,000.84	4,348.81	4,119.14	23.43	30.78	104.70	-753.10	-1,064.63	890.58	837.90	52.68	16.906		
4,300.00	4,099.59	4,442.86	4,204.75	23.89	31.68	102.98	-791.94	-1,067.52	877.30	823.11	54.18	16.191		
4,400.00	4,198.84	4,525.34	4,280.18	24.32	32.45	101.28	-825.19	-1,070.44	864.81	809.20	55.61	15.552		
4,500.00	4,298.45	4,608.86	4,356.92	24.73	33.22	99.41	-857.93	-1,074.25	853.91	796.90	57.01	14.978		
4,600.00	4,398.30	4,686.99	4,429.20	25.11	33.92	97.55	-887.25	-1,078.55	845.03	786.71	58.32	14.490		
4,701.72	4,500.00	4,777.36	4,513.54	25.45	34.70	-70.84	-919.22	-1,084.19	838.29	778.65	59.64	14.056		
4,800.00	4,598.28	4,872.17	4,602.78	25.74	35.48	-73.02	-950.83	-1,089.37	832.92	772.04	60.88	13.682		
4,900.00	4,698.28	4,967.40	4,692.94	26.04	36.25	-75.11	-981.11	-1,093.88	828.50	766.44	62.07	13.349		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	5,064.56	4,785.42	26.34	37.00	-77.17	-1,010.67	-1,097.97	825.15	761.93	63.22	13.053		
5,100.00	4,898.28	5,160.40	4,877.05	26.65	37.73	-79.12	-1,038.50	-1,101.56	822.74	758.44	64.31	12.794		
5,200.00	4,998.28	5,250.41	4,963.61	26.96	38.37	-80.84	-1,062.95	-1,104.99	821.71	756.41	65.30	12.584		
5,244.18	5,042.46	5,293.74	5,005.46	27.10	38.67	-81.62	-1,074.05	-1,106.64	821.65	755.91	65.74	12.499 CC		
5,300.00	5,098.28	5,348.30	5,058.32	27.27	39.04	-82.56	-1,087.43	-1,108.59	821.74	755.46	66.28	12.397		
5,400.00	5,198.28	5,444.43	5,151.88	27.59	39.67	-84.10	-1,109.23	-1,111.84	822.49	755.29	67.20	12.239 ES		
5,500.00	5,298.28	5,540.66	5,246.06	27.91	40.25	-85.47	-1,128.74	-1,115.06	824.01	755.94	68.07	12.106		
5,600.00	5,398.28	5,638.14	5,341.95	28.23	40.80	-86.68	-1,145.93	-1,118.26	826.11	757.21	68.90	11.991		
5,700.00	5,498.28	5,739.18	5,441.74	28.56	41.33	-87.76	-1,161.40	-1,121.47	828.57	758.87	69.70	11.888		
5,800.00	5,598.28	5,844.57	5,546.22	28.89	41.83	-88.70	-1,174.98	-1,124.08	830.66	760.18	70.48	11.785		
5,900.00	5,698.28	5,951.33	5,652.38	29.22	42.31	-89.47	-1,186.08	-1,125.81	832.12	760.89	71.23	11.682		
6,000.00	5,798.28	6,050.44	5,751.08	29.56	42.72	-90.09	-1,195.07	-1,126.94	833.23	761.29	71.94	11.582		
6,100.00	5,898.28	6,147.56	5,847.83	29.90	43.12	-90.66	-1,203.49	-1,128.21	834.61	761.97	72.64	11.490		
6,200.00	5,998.28	6,238.48	5,938.43	30.24	43.49	-91.17	-1,210.84	-1,130.08	836.80	763.48	73.32	11.414		
6,300.00	6,098.28	6,332.80	6,032.43	30.58	43.87	-91.65	-1,218.06	-1,132.86	839.94	765.95	73.99	11.352		
6,400.00	6,198.28	6,434.17	6,133.57	30.92	44.25	-92.06	-1,224.14	-1,136.15	843.38	768.70	74.68	11.293		
6,500.00	6,298.28	6,537.51	6,236.77	31.27	44.60	-92.35	-1,228.53	-1,139.10	846.40	771.05	75.35	11.233		
6,600.00	6,398.28	6,635.68	6,334.86	31.62	44.91	-92.50	-1,230.81	-1,141.89	849.34	773.34	75.99	11.177		
6,700.00	6,498.28	6,731.91	6,431.04	31.97	45.18	-92.52	-1,231.23	-1,145.08	852.67	776.06	76.61	11.130		
6,794.10	6,592.38	6,824.54	6,523.60	32.31	45.41	-92.44	-1,230.17	-1,148.52	856.12	778.94	77.18	11.093		
6,800.00	6,598.28	6,830.40	6,529.46	32.33	45.43	-92.44	-1,230.07	-1,148.75	856.36	779.15	77.22	11.091 SF		
6,850.00	6,648.21	6,882.50	6,581.50	32.51	45.55	-92.35	-1,228.90	-1,150.69	860.61	783.08	77.53	11.101		
6,900.00	6,697.79	6,935.90	6,634.85	32.69	45.67	-92.35	-1,227.20	-1,152.48	868.53	790.70	77.83	11.159		
6,950.00	6,746.73	6,995.12	6,694.02	32.86	45.81	-92.35	-1,225.33	-1,153.98	879.91	801.77	78.14	11.260		
7,000.00	6,794.71	7,054.58	6,753.47	33.03	45.96	-92.35	-1,224.38	-1,154.69	894.47	816.02	78.44	11.403		
7,050.00	6,841.44	7,113.50	6,812.39	33.20	46.12	-92.35	-1,224.75	-1,154.56	912.10	833.37	78.73	11.586		
7,100.00	6,886.64	7,158.62	6,857.50	33.35	46.25	-92.35	-1,225.57	-1,154.12	933.02	854.01	79.01	11.809		
7,150.00	6,930.03	7,200.66	6,899.53	33.50	46.38	-92.35	-1,226.19	-1,153.78	957.51	878.22	79.28	12.077		
7,200.00	6,971.33	7,234.41	6,933.28	33.64	46.48	-92.35	-1,226.57	-1,153.65	985.51	905.98	79.53	12.392		
7,250.00	7,010.30	7,264.56	6,963.42	33.77	46.57	-92.35	-1,226.81	-1,153.80	1,017.01	937.26	79.75	12.753		
7,300.00	7,046.69	7,292.26	6,991.12	33.89	46.65	-92.35	-1,226.95	-1,154.17	1,051.76	971.82	79.94	13.157		
7,350.00	7,080.28	7,323.11	7,021.97	34.00	46.74	-92.35	-1,227.04	-1,154.76	1,089.40	1,009.29	80.11	13.598		
7,400.00	7,110.86	7,352.22	7,051.07	34.11	46.83	-92.35	-1,227.12	-1,155.34	1,129.53	1,049.25	80.27	14.071		
7,450.00	7,138.25	7,378.12	7,076.96	34.21	46.90	-92.35	-1,227.19	-1,155.87	1,171.88	1,091.47	80.41	14.573		
7,500.00	7,162.27	7,400.22	7,099.06	34.32	46.97	-92.35	-1,227.22	-1,156.33	1,216.20	1,135.67	80.53	15.103		
7,550.00	7,182.77	7,418.65	7,117.48	34.43	47.02	-92.35	-1,227.21	-1,156.74	1,262.21	1,181.59	80.62	15.656		
7,600.00	7,199.64	7,433.54	7,132.37	34.57	47.06	-92.35	-1,227.18	-1,157.08	1,309.63	1,228.93	80.69	16.229		
7,650.00	7,212.76	7,444.82	7,143.65	34.76	47.09	-92.35	-1,227.14	-1,157.34	1,358.14	1,277.39	80.75	16.819		
7,700.00	7,222.06	7,452.44	7,151.27	35.02	47.11	-92.35	-1,227.11	-1,157.52	1,407.45	1,326.67	80.79	17.422		
7,750.00	7,227.47	7,456.38	7,155.21	35.37	47.12	-92.35	-1,227.09	-1,157.62	1,457.25	1,376.44	80.81	18.033		
7,793.42	7,229.00	7,456.82	7,155.65	35.74	47.12	-92.35	-1,227.08	-1,157.63	1,500.65	1,419.83	80.82	18.568		
7,800.00	7,229.01	7,456.68	7,155.51	35.80	47.12	-92.35	-1,227.08	-1,157.63	1,507.23	1,426.41	80.82	18.649		
7,900.00	7,229.11	7,454.52	7,153.35	36.91	47.12	-92.35	-1,227.10	-1,157.57	1,607.18	1,526.35	80.83	19.883		
8,000.00	7,229.22	7,452.38	7,151.20	38.28	47.11	-92.35	-1,227.11	-1,157.52	1,707.14	1,626.30	80.84	21.117		
8,100.00	7,229.33	7,450.25	7,149.08	39.83	47.11	-92.35	-1,227.12	-1,157.47	1,807.10	1,726.25	80.85	22.351		
8,200.00	7,229.43	7,448.15	7,146.98	41.53	47.10	-92.35	-1,227.13	-1,157.42	1,907.06	1,826.20	80.86	23.584		
8,300.00	7,229.54	7,446.07	7,144.89	43.36	47.09	-92.35	-1,227.14	-1,157.37	2,007.02	1,926.15	80.87	24.817		
8,400.00	7,229.65	7,444.00	7,142.83	45.30	47.09	-92.35	-1,227.15	-1,157.32	2,106.98	2,026.10	80.88	26.050		
8,500.00	7,229.75	7,441.95	7,140.78	47.33	47.08	-92.35	-1,227.15	-1,157.27	2,206.95	2,126.05	80.90	27.281		
8,600.00	7,229.86	7,439.92	7,138.75	49.45	47.08	-92.35	-1,227.16	-1,157.23	2,306.91	2,226.00	80.91	28.512		
8,700.00	7,229.97	7,437.91	7,136.74	51.64	47.07	-92.35	-1,227.17	-1,157.18	2,406.88	2,325.96	80.92	29.743		
8,800.00	7,230.07	7,435.92	7,134.75	53.89	47.07	-92.35	-1,227.17	-1,157.13	2,506.85	2,425.91	80.94	30.972		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,433.94	7,132.77	56.19	47.06	27.96	-1,227.18	-1,157.09	2,606.82	2,525.86	80.95	32.201		
9,000.00	7,230.29	7,431.98	7,130.82	58.55	47.06	27.18	-1,227.19	-1,157.04	2,706.79	2,625.82	80.97	33.429		
9,100.00	7,230.39	7,430.04	7,128.88	60.94	47.05	26.45	-1,227.19	-1,157.00	2,806.75	2,725.77	80.99	34.657		
9,200.00	7,230.50	7,428.12	7,126.95	63.38	47.04	25.75	-1,227.20	-1,156.95	2,906.73	2,825.72	81.01	35.883		
9,300.00	7,230.61	7,426.21	7,125.04	65.85	47.04	25.10	-1,227.20	-1,156.91	3,006.70	2,925.67	81.02	37.108		
9,400.00	7,230.72	7,424.32	7,123.15	68.35	47.03	24.48	-1,227.21	-1,156.87	3,106.67	3,025.62	81.05	38.333		
9,500.00	7,230.82	7,422.44	7,121.28	70.87	47.03	23.89	-1,227.21	-1,156.82	3,206.64	3,125.57	81.07	39.556		
9,600.00	7,230.93	7,420.58	7,119.42	73.42	47.02	23.34	-1,227.21	-1,156.78	3,306.61	3,225.52	81.09	40.778		
9,700.00	7,231.04	7,418.74	7,117.57	75.99	47.02	22.81	-1,227.21	-1,156.74	3,406.58	3,325.47	81.11	41.999		
9,800.00	7,231.14	7,416.91	7,115.75	78.59	47.01	22.31	-1,227.22	-1,156.70	3,506.56	3,425.42	81.14	43.218		
9,900.00	7,231.25	7,415.10	7,113.93	81.19	47.01	21.83	-1,227.22	-1,156.66	3,606.53	3,525.37	81.16	44.437		
10,000.00	7,231.36	7,413.30	7,112.14	83.82	47.00	21.37	-1,227.22	-1,156.62	3,706.51	3,625.32	81.19	45.654		
10,100.00	7,231.46	7,411.52	7,110.35	86.46	47.00	20.94	-1,227.22	-1,156.58	3,806.48	3,725.27	81.21	46.870		
10,200.00	7,231.57	7,409.75	7,108.59	89.11	46.99	20.53	-1,227.22	-1,156.54	3,906.46	3,825.21	81.24	48.084		
10,300.00	7,231.68	7,407.99	7,106.83	91.77	46.99	20.13	-1,227.22	-1,156.50	4,006.43	3,925.16	81.27	49.297		
10,400.00	7,231.78	7,406.26	7,105.09	94.45	46.98	19.75	-1,227.22	-1,156.46	4,106.41	4,025.10	81.30	50.508		
10,500.00	7,231.89	7,404.53	7,103.37	97.14	46.98	19.39	-1,227.22	-1,156.42	4,206.38	4,125.05	81.33	51.718		
10,600.00	7,232.00	7,402.82	7,101.66	99.83	46.97	19.05	-1,227.22	-1,156.39	4,306.36	4,224.99	81.36	52.926		
10,700.00	7,232.10	7,401.12	7,099.96	102.53	46.97	18.71	-1,227.22	-1,156.35	4,406.33	4,324.94	81.40	54.133		
10,800.00	7,232.21	7,399.44	7,098.28	105.25	46.96	18.39	-1,227.22	-1,156.31	4,506.31	4,424.88	81.43	55.338		
10,900.00	7,232.32	7,397.77	7,096.61	107.96	46.96	18.09	-1,227.22	-1,156.28	4,606.29	4,524.82	81.47	56.541		
11,000.00	7,232.42	7,396.12	7,094.96	110.69	46.95	17.79	-1,227.22	-1,156.24	4,706.26	4,624.76	81.50	57.743		
11,100.00	7,232.53	7,394.47	7,093.31	113.42	46.95	17.51	-1,227.22	-1,156.21	4,806.24	4,724.70	81.54	58.943		
11,200.00	7,232.64	7,392.84	7,091.68	116.16	46.95	17.24	-1,227.21	-1,156.17	4,906.22	4,824.64	81.58	60.140		
11,300.00	7,232.74	7,391.23	7,090.07	118.90	46.94	16.97	-1,227.21	-1,156.14	5,006.20	4,924.58	81.62	61.336		
11,400.00	7,232.85	7,389.62	7,088.47	121.65	46.94	16.72	-1,227.21	-1,156.11	5,106.18	5,024.52	81.66	62.531		
11,500.00	7,232.96	7,388.29	7,087.13	124.41	46.93	16.52	-1,227.21	-1,156.08	5,206.15	5,124.45	81.70	63.722		
11,600.00	7,233.06	7,386.51	7,085.35	127.16	46.93	16.25	-1,227.20	-1,156.04	5,306.13	5,224.39	81.74	64.913		
11,700.00	7,233.17	7,384.74	7,083.58	129.92	46.92	15.99	-1,227.20	-1,156.00	5,406.11	5,324.33	81.79	66.101		
11,800.00	7,233.28	7,382.97	7,081.82	132.69	46.92	15.74	-1,227.20	-1,155.97	5,506.09	5,424.26	81.83	67.288		
11,900.00	7,233.38	7,381.21	7,080.06	135.46	46.91	15.50	-1,227.19	-1,155.93	5,606.07	5,524.20	81.87	68.472		
12,000.00	7,233.49	7,379.46	7,078.30	138.23	46.91	15.27	-1,227.19	-1,155.89	5,706.05	5,624.13	81.92	69.655		
12,100.00	7,233.60	7,377.71	7,076.56	141.01	46.90	15.04	-1,227.18	-1,155.86	5,806.03	5,724.06	81.97	70.835		
12,200.00	7,233.71	7,375.97	7,074.82	143.79	46.90	14.83	-1,227.18	-1,155.82	5,906.01	5,824.00	82.01	72.013		
12,300.00	7,233.81	7,374.24	7,073.08	146.57	46.89	14.61	-1,227.18	-1,155.79	6,005.99	5,923.93	82.06	73.189		
12,400.00	7,233.92	7,372.51	7,071.36	149.35	46.89	14.41	-1,227.17	-1,155.75	6,105.97	6,023.86	82.11	74.362		
12,500.00	7,234.03	7,370.79	7,069.64	152.14	46.88	14.21	-1,227.17	-1,155.72	6,205.95	6,123.79	82.16	75.534		
12,600.00	7,234.13	7,369.08	7,067.92	154.93	46.88	14.02	-1,227.17	-1,155.68	6,305.93	6,223.71	82.21	76.703		
12,700.00	7,234.24	7,367.37	7,066.22	157.72	46.87	13.83	-1,227.16	-1,155.65	6,405.91	6,323.64	82.26	77.869		
12,800.00	7,234.35	7,365.67	7,064.52	160.52	46.87	13.65	-1,227.16	-1,155.61	6,505.89	6,423.57	82.32	79.033		
12,900.00	7,234.45	7,363.98	7,062.82	163.31	46.86	13.47	-1,227.15	-1,155.58	6,605.87	6,523.49	82.37	80.195		
13,000.00	7,234.56	7,362.29	7,061.14	166.11	46.86	13.30	-1,227.15	-1,155.54	6,705.85	6,623.42	82.43	81.354		
13,100.00	7,234.67	7,360.61	7,059.45	168.91	46.85	13.14	-1,227.15	-1,155.51	6,805.83	6,723.34	82.48	82.511		
13,200.00	7,234.77	7,358.93	7,057.78	171.71	46.85	12.97	-1,227.14	-1,155.47	6,905.81	6,823.27	82.54	83.665		
13,300.00	7,234.88	7,357.26	7,056.11	174.52	46.84	12.82	-1,227.14	-1,155.44	7,005.79	6,923.19	82.60	84.817		
13,400.00	7,234.99	7,355.60	7,054.45	177.32	46.84	12.66	-1,227.13	-1,155.41	7,105.77	7,023.11	82.66	85.966		
13,500.00	7,235.09	7,353.94	7,052.79	180.13	46.83	12.51	-1,227.13	-1,155.37	7,205.75	7,123.03	82.72	87.113		
13,600.00	7,235.20	7,352.29	7,051.14	182.94	46.83	12.37	-1,227.12	-1,155.34	7,305.73	7,222.95	82.78	88.257		
13,700.00	7,235.31	7,350.65	7,049.50	185.74	46.82	12.23	-1,227.12	-1,155.31	7,405.71	7,322.87	82.84	89.398		
13,800.00	7,235.41	7,349.01	7,047.86	188.56	46.82	12.09	-1,227.12	-1,155.27	7,505.69	7,422.79	82.90	90.537		
13,900.00	7,235.52	7,347.38	7,046.23	191.37	46.81	11.95	-1,227.11	-1,155.24	7,605.67	7,522.71	82.97	91.672		
14,000.00	7,235.63	7,345.75	7,044.60	194.18	46.81	11.82	-1,227.11	-1,155.21	7,705.66	7,622.63	83.03	92.806		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	7,344.13	7,042.98	197.00	46.81	11.70	-1,227.10	-1,155.18	7,805.64	7,722.54	83.10	93.936		
14,200.00	7,235.84	7,342.51	7,041.37	199.81	46.80	11.57	-1,227.10	-1,155.14	7,905.62	7,822.46	83.16	95.063		
14,300.00	7,235.95	7,340.91	7,039.76	202.63	46.80	11.45	-1,227.09	-1,155.11	8,005.60	7,922.37	83.23	96.188		
14,400.00	7,236.05	7,339.30	7,038.16	205.44	46.79	11.33	-1,227.09	-1,155.08	8,105.58	8,022.29	83.30	97.310		
14,500.00	7,236.16	7,337.71	7,036.56	208.26	46.79	11.21	-1,227.09	-1,155.05	8,205.56	8,122.20	83.37	98.429		
14,600.00	7,236.27	7,336.11	7,034.97	211.08	46.78	11.10	-1,227.08	-1,155.02	8,305.55	8,222.11	83.43	99.545		
14,700.00	7,236.37	7,334.53	7,033.38	213.90	46.78	10.99	-1,227.08	-1,154.99	8,405.53	8,322.02	83.51	100.658		
14,800.00	7,236.48	7,332.95	7,031.80	216.72	46.77	10.88	-1,227.07	-1,154.96	8,505.51	8,421.93	83.58	101.769		
14,900.00	7,236.59	7,331.38	7,030.23	219.55	46.77	10.78	-1,227.07	-1,154.92	8,605.49	8,521.84	83.65	102.876		
15,000.00	7,236.69	7,329.81	7,028.66	222.37	46.76	10.67	-1,227.06	-1,154.89	8,705.47	8,621.75	83.72	103.981		
15,100.00	7,236.80	7,328.25	7,027.10	225.19	46.76	10.57	-1,227.06	-1,154.86	8,805.46	8,721.66	83.80	105.082		
15,200.00	7,236.91	7,326.69	7,025.54	228.02	46.75	10.47	-1,227.06	-1,154.83	8,905.44	8,821.57	83.87	106.180		
15,300.00	7,237.02	7,325.14	7,023.99	230.84	46.75	10.38	-1,227.05	-1,154.80	9,005.42	8,921.47	83.95	107.276		
15,400.00	7,237.12	7,323.59	7,022.45	233.67	46.75	10.28	-1,227.05	-1,154.77	9,105.40	9,021.38	84.02	108.368		
15,500.00	7,237.23	7,322.05	7,020.91	236.50	46.74	10.19	-1,227.04	-1,154.74	9,205.39	9,121.29	84.10	109.458		
15,600.00	7,237.34	7,320.52	7,019.37	239.32	46.74	10.10	-1,227.04	-1,154.71	9,305.37	9,221.19	84.18	110.544		
15,700.00	7,237.44	7,318.99	7,017.84	242.15	46.73	10.01	-1,227.03	-1,154.68	9,405.35	9,321.09	84.26	111.627		
15,800.00	7,237.55	7,317.46	7,016.32	244.98	46.73	9.92	-1,227.03	-1,154.65	9,505.33	9,421.00	84.34	112.707		
15,900.00	7,237.66	7,315.95	7,014.80	247.81	46.72	9.83	-1,227.02	-1,154.62	9,605.32	9,520.90	84.42	113.784		
16,000.00	7,237.76	7,314.43	7,013.29	250.64	46.72	9.75	-1,227.02	-1,154.59	9,705.30	9,620.80	84.50	114.858		
16,100.00	7,237.87	7,312.93	7,011.78	253.47	46.71	9.67	-1,227.01	-1,154.57	9,805.28	9,720.70	84.58	115.928		
16,200.00	7,237.98	7,311.42	7,010.28	256.30	46.71	9.59	-1,227.01	-1,154.54	9,905.26	9,820.60	84.66	116.996		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-64.40	453.22	-945.90	1,049.56					
100.00	100.00	59.87	59.87	3.28	3.29	-64.40	453.22	-945.95	1,048.92	1,042.35	6.57	159.589 CC, ES		
200.00	200.00	155.25	155.25	3.34	3.34	-64.41	453.28	-946.37	1,049.34	1,042.66	6.68	157.075		
300.00	299.98	254.50	254.50	3.44	3.45	101.88	454.27	-946.65	1,050.39	1,043.50	6.89	152.424		
400.00	399.84	342.93	342.87	3.59	3.59	102.23	457.15	-946.50	1,052.76	1,045.58	7.18	146.632		
500.00	499.45	433.13	432.89	3.79	3.77	102.85	462.79	-945.94	1,056.91	1,049.35	7.56	139.827		
600.00	598.70	518.01	517.36	4.03	3.97	103.69	471.07	-944.85	1,063.12	1,055.11	8.01	132.725		
700.00	697.47	600.16	598.78	4.31	4.20	104.73	481.87	-943.45	1,071.91	1,063.38	8.53	125.653		
800.00	795.62	677.96	675.54	4.64	4.46	105.87	494.38	-942.06	1,083.72	1,074.61	9.11	118.989		
900.00	893.06	760.08	756.31	5.00	4.76	107.19	509.24	-940.84	1,098.81	1,089.05	9.76	112.605		
1,000.00	989.64	843.57	838.25	5.40	5.09	108.62	525.17	-939.67	1,116.83	1,106.37	10.46	106.784		
1,100.00	1,085.27	929.67	922.51	5.83	5.47	110.20	542.76	-937.91	1,137.73	1,126.51	11.22	101.392		
1,200.00	1,179.82	1,006.21	997.12	6.29	5.83	111.64	559.71	-935.73	1,161.98	1,150.00	11.98	96.958		
1,235.00	1,212.63	1,030.78	1,020.99	6.46	5.96	112.09	565.50	-934.95	1,171.41	1,159.16	12.25	95.628		
1,300.00	1,273.43	1,075.39	1,064.20	6.79	6.19	113.27	576.46	-933.44	1,190.03	1,177.30	12.74	93.425		
1,400.00	1,366.98	1,141.55	1,127.99	7.30	6.55	115.00	593.83	-931.03	1,221.20	1,207.71	13.49	90.550		
1,500.00	1,460.52	1,197.29	1,181.41	7.84	6.87	116.46	609.63	-928.97	1,255.61	1,241.43	14.18	88.560		
1,600.00	1,554.07	1,250.94	1,232.43	8.38	7.20	117.86	626.12	-927.22	1,293.61	1,278.76	14.84	87.148		
1,700.00	1,647.61	1,315.99	1,293.90	8.93	7.62	119.53	647.29	-924.98	1,334.53	1,318.95	15.58	85.674		
1,800.00	1,741.16	1,381.83	1,355.83	9.49	8.07	121.18	669.51	-922.58	1,377.88	1,361.57	16.31	84.493		
1,900.00	1,834.70	1,454.42	1,424.04	10.06	8.57	122.92	694.25	-920.35	1,423.33	1,406.25	17.08	83.344		
2,000.00	1,928.25	1,537.88	1,502.66	10.63	9.16	124.80	722.15	-918.30	1,470.07	1,452.15	17.92	82.026		
2,100.00	2,021.79	1,623.91	1,584.00	11.21	9.77	126.61	750.13	-916.47	1,517.62	1,498.84	18.78	80.812		
2,200.00	2,115.33	1,710.34	1,665.92	11.79	10.38	128.30	777.61	-914.96	1,565.95	1,546.32	19.63	79.756		
2,300.00	2,208.88	1,798.26	1,749.68	12.37	11.00	129.89	804.34	-914.06	1,614.55	1,594.05	20.49	78.782		
2,400.00	2,302.42	1,862.32	1,810.73	12.96	11.44	130.97	823.75	-914.04	1,664.32	1,643.17	21.16	78.667		
2,500.00	2,395.97	1,947.50	1,891.83	13.55	12.05	132.35	849.79	-914.06	1,715.09	1,693.10	21.99	78.004		
2,600.00	2,489.51	2,079.52	2,018.13	14.14	12.96	134.35	888.18	-912.68	1,765.01	1,741.82	23.20	76.088		
2,700.00	2,583.06	2,166.44	2,101.64	14.74	13.56	135.60	912.24	-910.82	1,814.24	1,790.20	24.04	75.464		
2,800.00	2,676.60	2,263.60	2,194.84	15.34	14.22	136.95	939.50	-908.03	1,864.24	1,839.27	24.97	74.665		
2,900.00	2,770.14	2,379.26	2,306.55	15.93	14.99	138.43	969.26	-904.53	1,912.76	1,886.72	26.04	73.454		
3,000.00	2,863.69	2,443.60	2,368.69	16.53	15.41	139.22	985.77	-902.25	1,961.77	1,935.07	26.70	73.477		
3,100.00	2,957.23	2,502.39	2,425.35	17.13	15.81	139.91	1,001.41	-900.70	2,012.21	1,984.90	27.31	73.683		
3,200.00	3,050.78	2,564.94	2,485.42	17.74	16.24	140.64	1,018.73	-898.76	2,063.87	2,035.92	27.95	73.851		
3,300.00	3,144.32	2,610.24	2,528.72	18.34	16.57	141.17	1,031.90	-897.06	2,116.92	2,088.49	28.43	74.456		
3,400.00	3,237.87	2,662.00	2,577.88	18.94	16.95	141.76	1,048.00	-895.09	2,171.81	2,142.84	28.97	74.977		
3,500.00	3,331.41	2,696.76	2,610.71	19.55	17.22	142.16	1,059.34	-893.79	2,228.25	2,198.91	29.34	75.951		
3,600.00	3,424.96	2,750.00	2,660.78	20.15	17.63	142.75	1,077.35	-891.96	2,286.20	2,256.32	29.88	76.520		
3,666.72	3,487.37	2,856.31	2,761.20	20.56	18.44	143.84	1,112.14	-889.28	2,324.71	2,293.79	30.91	75.199		
3,700.00	3,518.57	2,888.78	2,792.05	20.76	18.68	144.41	1,122.25	-888.72	2,343.45	2,312.22	31.23	75.038		
3,800.00	3,613.09	2,978.76	2,877.71	21.34	19.35	145.91	1,149.78	-887.55	2,398.03	2,365.93	32.10	74.700		
3,900.00	3,708.70	3,114.06	3,006.94	21.90	20.33	147.52	1,189.80	-886.13	2,449.73	2,416.35	33.38	73.397		
4,000.00	3,805.27	3,197.94	3,087.39	22.44	20.92	148.59	1,213.54	-885.56	2,497.91	2,463.75	34.16	73.118		
4,100.00	3,902.69	3,291.51	3,177.12	22.95	21.58	149.60	1,240.01	-884.34	2,543.46	2,508.44	35.03	72.612		
4,200.00	4,000.84	3,401.94	3,283.20	23.43	22.35	150.56	1,270.66	-882.56	2,585.87	2,549.84	36.03	71.762		
4,300.00	4,099.59	3,597.26	3,472.17	23.89	23.65	151.62	1,319.97	-881.46	2,623.61	2,585.86	37.75	69.499		
4,400.00	4,198.84	3,679.96	3,552.57	24.32	24.17	152.18	1,339.26	-880.49	2,656.57	2,618.09	38.48	69.044		
4,500.00	4,298.45	3,748.67	3,619.20	24.73	24.62	152.66	1,356.01	-879.28	2,687.47	2,648.40	39.07	68.782		
4,600.00	4,398.30	4,422.80	4,283.01	25.11	28.09	153.80	1,460.10	-873.57	2,715.99	2,672.25	43.74	62.095		
4,701.72	4,500.00	4,605.66	4,465.84	25.45	28.64	-12.33	1,462.05	-874.32	2,718.59	2,673.77	44.82	60.654		
4,800.00	4,598.28	4,750.84	4,610.99	25.74	29.03	-12.39	1,460.06	-876.76	2,717.63	2,671.98	45.66	59.523		
4,900.00	4,698.28	4,842.00	4,702.11	26.04	29.27	-12.43	1,458.07	-878.46	2,715.90	2,669.60	46.30	58.654		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,931.92	4,792.02	26.34	29.52	-12.46	1,456.59	-879.52	2,714.55	2,667.60	46.95	57.816		
5,100.00	4,898.28	5,022.27	4,882.35	26.65	29.77	-12.49	1,455.43	-880.63	2,713.56	2,665.95	47.61	56.999		
5,200.00	4,998.28	5,112.45	4,972.51	26.96	30.03	-12.52	1,454.58	-881.81	2,712.93	2,664.65	48.27	56.198		
5,295.61	5,093.89	5,195.83	5,055.89	27.26	30.27	-12.54	1,454.12	-882.91	2,712.69	2,663.78	48.91	55.465		
5,300.00	5,098.28	5,199.53	5,059.59	27.27	30.29	-12.54	1,454.11	-882.96	2,712.69	2,663.75	48.94	55.432		
5,400.00	5,198.28	5,283.85	5,143.90	27.59	30.54	-12.57	1,454.09	-884.28	2,713.00	2,663.41	49.60	54.703		
5,500.00	5,298.28	5,375.99	5,236.02	27.91	30.83	-12.60	1,454.43	-885.95	2,713.76	2,663.46	50.30	53.956		
5,600.00	5,398.28	5,474.37	5,334.38	28.23	31.14	-12.64	1,454.98	-887.86	2,714.73	2,663.71	51.03	53.201		
5,700.00	5,498.28	5,578.10	5,438.09	28.56	31.48	-12.68	1,455.51	-889.70	2,715.62	2,663.83	51.79	52.438		
5,800.00	5,598.28	5,681.56	5,541.52	28.89	31.81	-12.72	1,455.80	-891.97	2,716.37	2,663.82	52.55	51.694		
5,900.00	5,698.28	5,768.10	5,628.04	29.22	32.09	-12.77	1,456.11	-894.13	2,717.28	2,664.04	53.24	51.037		
6,000.00	5,798.28	5,855.55	5,715.46	29.56	32.38	-12.80	1,456.97	-896.11	2,718.73	2,664.79	53.94	50.402		
6,100.00	5,898.28	5,948.28	5,808.16	29.90	32.70	-12.85	1,458.12	-898.48	2,720.51	2,665.84	54.67	49.762		
6,200.00	5,998.28	6,067.33	5,927.17	30.24	33.11	-12.89	1,459.52	-901.00	2,722.14	2,666.62	55.53	49.025		
6,300.00	6,098.28	6,167.30	6,027.13	30.58	33.45	-12.91	1,460.45	-902.01	2,723.27	2,666.97	56.30	48.374		
6,400.00	6,198.28	6,257.31	6,117.13	30.92	33.77	-12.93	1,461.42	-903.20	2,724.63	2,667.60	57.03	47.779		
6,500.00	6,298.28	6,340.80	6,200.59	31.27	34.06	-12.95	1,462.70	-904.66	2,726.51	2,668.79	57.73	47.232		
6,600.00	6,398.28	6,434.53	6,294.29	31.62	34.40	-12.98	1,464.52	-906.58	2,728.86	2,670.38	58.48	46.664		
6,700.00	6,498.28	6,563.67	6,423.38	31.97	34.86	-13.02	1,466.80	-909.01	2,731.07	2,671.67	59.40	45.977		
6,794.10	6,592.38	6,690.30	6,550.01	32.31	35.30	-13.03	1,467.39	-909.73	2,731.57	2,671.29	60.28	45.318		
6,800.00	6,598.28	6,696.98	6,556.68	32.33	35.33	-102.85	1,467.40	-909.72	2,731.58	2,671.26	60.32	45.281		
6,850.00	6,648.21	6,753.48	6,613.19	32.51	35.52	-102.85	1,467.49	-909.36	2,732.13	2,671.39	60.74	44.979		
6,900.00	6,697.79	6,801.53	6,661.23	32.69	35.68	-102.84	1,467.55	-908.89	2,733.50	2,672.37	61.13	44.717		
6,950.00	6,746.73	6,848.09	6,707.79	32.86	35.84	-102.82	1,467.64	-908.50	2,735.81	2,674.30	61.51	44.474		
7,000.00	6,794.71	6,893.78	6,753.48	33.03	36.00	-102.79	1,467.75	-908.18	2,739.08	2,677.18	61.90	44.248		
7,050.00	6,841.44	6,940.58	6,800.28	33.20	36.16	-102.75	1,467.89	-907.88	2,743.33	2,681.02	62.30	44.032		
7,100.00	6,886.64	6,985.87	6,845.57	33.35	36.31	-102.68	1,468.01	-907.59	2,748.56	2,685.86	62.70	43.835		
7,150.00	6,930.03	7,029.37	6,889.07	33.50	36.47	-102.56	1,468.13	-907.31	2,754.83	2,691.73	63.10	43.655		
7,200.00	6,971.33	7,066.22	6,925.92	33.64	36.60	-102.32	1,468.26	-907.12	2,762.22	2,698.72	63.49	43.505		
7,250.00	7,010.30	7,100.92	6,960.62	33.77	36.72	-102.00	1,468.41	-907.02	2,770.79	2,706.90	63.88	43.372		
7,300.00	7,046.69	7,133.21	6,992.91	33.89	36.83	-101.58	1,468.58	-907.01	2,780.58	2,716.29	64.28	43.254		
7,350.00	7,080.28	7,163.25	7,022.95	34.00	36.94	-101.04	1,468.76	-907.06	2,791.60	2,726.91	64.70	43.149		
7,400.00	7,110.86	7,195.53	7,055.22	34.11	37.06	-100.45	1,468.97	-907.12	2,803.85	2,738.70	65.15	43.038		
7,450.00	7,138.25	7,224.49	7,084.18	34.21	37.16	-99.72	1,469.14	-907.15	2,817.30	2,751.69	65.61	42.938		
7,500.00	7,162.27	7,249.96	7,109.65	34.32	37.25	-98.83	1,469.29	-907.16	2,831.95	2,765.86	66.09	42.848		
7,550.00	7,182.77	7,271.76	7,131.46	34.43	37.33	-97.76	1,469.40	-907.15	2,847.79	2,781.20	66.59	42.766		
7,600.00	7,199.64	7,289.76	7,149.45	34.57	37.39	-96.50	1,469.50	-907.13	2,864.79	2,797.68	67.10	42.693		
7,650.00	7,212.76	7,303.82	7,163.51	34.76	37.45	-95.05	1,469.57	-907.11	2,882.87	2,815.25	67.62	42.631		
7,700.00	7,222.06	7,313.83	7,173.53	35.02	37.48	-93.41	1,469.62	-907.09	2,901.98	2,833.82	68.15	42.580		
7,750.00	7,227.47	7,317.88	7,177.58	35.37	37.50	-91.53	1,469.64	-907.10	2,922.01	2,853.34	68.67	42.548		
7,793.42	7,229.00	7,319.42	7,179.11	35.74	37.50	-89.77	1,469.64	-907.10	2,940.06	2,870.93	69.13	42.530		
7,800.00	7,229.01	7,319.43	7,179.12	35.80	37.50	-89.77	1,469.64	-907.10	2,942.84	2,873.65	69.20	42.528		
7,900.00	7,229.11	7,319.59	7,179.28	36.91	37.50	-89.78	1,469.64	-907.10	2,986.60	2,916.31	70.30	42.486		
8,000.00	7,229.22	7,319.74	7,179.44	38.28	37.50	-89.78	1,469.64	-907.10	3,033.03	2,961.55	71.47	42.436		
8,100.00	7,229.33	7,319.90	7,179.59	39.83	37.50	-89.78	1,469.64	-907.10	3,082.00	3,009.29	72.71	42.389		
8,200.00	7,229.43	7,320.06	7,179.75	41.53	37.50	-89.79	1,469.65	-907.10	3,133.40	3,059.42	73.98	42.356		
8,300.00	7,229.54	7,320.21	7,179.90	43.36	37.50	-89.79	1,469.65	-907.10	3,187.11	3,111.84	75.27	42.343 SF		
8,400.00	7,229.65	7,320.36	7,180.05	45.30	37.51	-89.79	1,469.65	-907.10	3,243.01	3,166.44	76.57	42.356		
8,500.00	7,229.75	7,320.51	7,180.21	47.33	37.51	-89.80	1,469.65	-907.10	3,300.99	3,223.13	77.86	42.397		
8,600.00	7,229.86	7,320.66	7,180.36	49.45	37.51	-89.80	1,469.65	-907.10	3,360.96	3,281.82	79.14	42.469		
8,700.00	7,229.97	7,320.81	7,180.51	51.64	37.51	-89.80	1,469.65	-907.10	3,422.79	3,342.39	80.40	42.572		
8,800.00	7,230.07	7,320.96	7,180.65	53.89	37.51	-89.81	1,469.65	-907.10	3,486.39	3,404.76	81.63	42.708		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,321.11	7,180.80	56.19	37.51	-89.81	1,469.65	-907.10	3,551.68	3,468.84	82.84	42.876		
9,000.00	7,230.29	7,321.26	7,180.95	58.55	37.51	-89.81	1,469.65	-907.10	3,618.55	3,534.54	84.01	43.075		
9,100.00	7,230.39	7,321.40	7,181.09	60.94	37.51	-89.82	1,469.65	-907.10	3,686.91	3,601.77	85.14	43.304		
9,200.00	7,230.50	7,321.55	7,181.24	63.38	37.51	-89.82	1,469.65	-907.10	3,756.70	3,670.46	86.24	43.561		
9,300.00	7,230.61	7,321.69	7,181.38	65.85	37.51	-89.82	1,469.65	-907.10	3,827.83	3,740.53	87.30	43.847		
9,400.00	7,230.72	7,321.83	7,181.52	68.35	37.51	-89.82	1,469.65	-907.10	3,900.22	3,811.90	88.32	44.159		
9,500.00	7,230.82	7,321.97	7,181.67	70.87	37.51	-89.83	1,469.65	-907.10	3,973.81	3,884.50	89.31	44.496		
9,600.00	7,230.93	7,322.11	7,181.81	73.42	37.51	-89.83	1,469.66	-907.10	4,048.53	3,958.28	90.26	44.856		
9,700.00	7,231.04	7,322.25	7,181.94	75.99	37.51	-89.83	1,469.66	-907.10	4,124.33	4,033.16	91.17	45.238		
9,800.00	7,231.14	7,322.39	7,182.08	78.59	37.51	-89.84	1,469.66	-907.10	4,201.14	4,109.09	92.05	45.642		
9,900.00	7,231.25	7,322.53	7,182.22	81.19	37.51	-89.84	1,469.66	-907.10	4,278.90	4,186.02	92.89	46.065		
10,000.00	7,231.36	7,322.67	7,182.36	83.82	37.51	-89.84	1,469.66	-907.10	4,357.58	4,263.88	93.70	46.507		
10,100.00	7,231.46	7,322.80	7,182.49	86.46	37.51	-89.85	1,469.66	-907.10	4,437.11	4,342.63	94.47	46.966		
10,200.00	7,231.57	7,322.94	7,182.63	89.11	37.51	-89.85	1,469.66	-907.10	4,517.45	4,422.23	95.22	47.442		
10,300.00	7,231.68	7,323.07	7,182.76	91.77	37.51	-89.85	1,469.66	-907.10	4,598.57	4,502.63	95.94	47.933		
10,400.00	7,231.78	7,323.20	7,182.89	94.45	37.52	-89.85	1,469.66	-907.10	4,680.42	4,583.79	96.63	48.438		
10,500.00	7,231.89	7,323.33	7,183.03	97.14	37.52	-89.86	1,469.66	-907.10	4,762.96	4,665.67	97.29	48.957		
10,600.00	7,232.00	7,323.47	7,183.16	99.83	37.52	-89.86	1,469.66	-907.10	4,846.16	4,748.23	97.92	49.489		
10,700.00	7,232.10	7,323.60	7,183.29	102.53	37.52	-89.86	1,469.66	-907.10	4,929.98	4,831.45	98.53	50.033		
10,800.00	7,232.21	7,323.72	7,183.42	105.25	37.52	-89.87	1,469.66	-907.10	5,014.40	4,915.27	99.12	50.589		
10,900.00	7,232.32	7,323.85	7,183.55	107.96	37.52	-89.87	1,469.66	-907.10	5,099.37	4,999.69	99.69	51.155		
11,000.00	7,232.42	7,323.98	7,183.67	110.69	37.52	-89.87	1,469.66	-907.10	5,184.89	5,084.66	100.23	51.731		
11,100.00	7,232.53	7,324.11	7,183.80	113.42	37.52	-89.87	1,469.66	-907.10	5,270.91	5,170.16	100.75	52.316		
11,200.00	7,232.64	7,324.23	7,183.93	116.16	37.52	-89.88	1,469.67	-907.10	5,357.42	5,256.17	101.25	52.910		
11,300.00	7,232.74	7,324.36	7,184.05	118.90	37.52	-89.88	1,469.67	-907.10	5,444.40	5,342.66	101.74	53.513		
11,400.00	7,232.85	7,324.48	7,184.17	121.65	37.52	-89.88	1,469.67	-907.10	5,531.81	5,429.60	102.21	54.124		
11,500.00	7,232.96	7,324.61	7,184.30	124.41	37.52	-89.88	1,469.67	-907.10	5,619.64	5,516.99	102.66	54.742		
11,600.00	7,233.06	7,324.73	7,184.42	127.16	37.52	-89.89	1,469.67	-907.10	5,707.88	5,604.78	103.09	55.367		
11,700.00	7,233.17	7,324.85	7,184.54	129.92	37.52	-89.89	1,469.67	-907.10	5,796.49	5,692.98	103.51	55.999		
11,800.00	7,233.28	7,324.97	7,184.66	132.69	37.52	-89.89	1,469.67	-907.10	5,885.47	5,781.56	103.91	56.637		
11,900.00	7,233.38	7,325.09	7,184.78	135.46	37.52	-89.89	1,469.67	-907.10	5,974.80	5,870.49	104.31	57.282		
12,000.00	7,233.49	7,325.21	7,184.90	138.23	37.52	-89.90	1,469.67	-907.10	6,064.46	5,959.78	104.68	57.931		
12,100.00	7,233.60	7,325.33	7,185.02	141.01	37.52	-89.90	1,469.67	-907.10	6,154.44	6,049.39	105.05	58.587		
12,200.00	7,233.71	7,325.45	7,185.14	143.79	37.52	-89.90	1,469.67	-907.10	6,244.73	6,139.32	105.40	59.247		
12,300.00	7,233.81	7,325.57	7,185.26	146.57	37.52	-89.91	1,469.67	-907.10	6,335.30	6,229.56	105.74	59.912		
12,400.00	7,233.92	7,325.68	7,185.37	149.35	37.52	-89.91	1,469.67	-907.10	6,426.16	6,320.08	106.08	60.581		
12,500.00	7,234.03	7,325.80	7,185.49	152.14	37.52	-89.91	1,469.67	-907.10	6,517.28	6,410.89	106.40	61.255		
12,600.00	7,234.13	7,325.91	7,185.61	154.93	37.53	-89.91	1,469.67	-907.10	6,608.66	6,501.96	106.71	61.932		
12,700.00	7,234.24	7,326.03	7,185.72	157.72	37.53	-89.91	1,469.67	-907.10	6,700.29	6,593.28	107.01	62.614		
12,800.00	7,234.35	7,326.14	7,185.83	160.52	37.53	-89.92	1,469.67	-907.10	6,792.15	6,684.85	107.30	63.299		
12,900.00	7,234.45	7,326.25	7,185.95	163.31	37.53	-89.92	1,469.67	-907.10	6,884.24	6,776.66	107.59	63.988		
13,000.00	7,234.56	7,326.37	7,186.06	166.11	37.53	-89.92	1,469.67	-907.10	6,976.55	6,868.69	107.86	64.679		
13,100.00	7,234.67	7,326.48	7,186.17	168.91	37.53	-89.92	1,469.68	-907.10	7,069.07	6,960.94	108.13	65.374		
13,200.00	7,234.77	7,326.59	7,186.28	171.71	37.53	-89.93	1,469.68	-907.10	7,161.79	7,053.39	108.39	66.072		
13,300.00	7,234.88	7,326.70	7,186.39	174.52	37.53	-89.93	1,469.68	-907.10	7,254.70	7,146.05	108.65	66.773		
13,400.00	7,234.99	7,326.81	7,186.50	177.32	37.53	-89.93	1,469.68	-907.10	7,347.80	7,238.90	108.90	67.476		
13,500.00	7,235.09	7,326.92	7,186.61	180.13	37.53	-89.93	1,469.68	-907.10	7,441.07	7,331.94	109.14	68.181		
13,600.00	7,235.20	7,327.03	7,186.72	182.94	37.53	-89.94	1,469.68	-907.10	7,534.52	7,425.15	109.37	68.889		
13,700.00	7,235.31	7,327.13	7,186.82	185.74	37.53	-89.94	1,469.68	-907.10	7,628.14	7,518.54	109.60	69.600		
13,800.00	7,235.41	7,327.24	7,186.93	188.56	37.53	-89.94	1,469.68	-907.10	7,721.91	7,612.09	109.82	70.312		
13,900.00	7,235.52	7,327.35	7,187.04	191.37	37.53	-89.94	1,469.68	-907.10	7,815.84	7,705.80	110.04	71.026		
14,000.00	7,235.63	7,327.45	7,187.14	194.18	37.53	-89.95	1,469.68	-907.10	7,909.92	7,799.67	110.25	71.742		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,235.73	7,327.56	7,187.25	197.00	37.53	-89.95	1,469.68	-907.10	8,004.14	7,893.68	110.46	72.460	
14,200.00	7,235.84	7,327.66	7,187.35	199.81	37.53	-89.95	1,469.68	-907.10	8,098.51	7,987.84	110.67	73.180	
14,300.00	7,235.95	7,327.76	7,187.46	202.63	37.53	-89.95	1,469.68	-907.10	8,193.00	8,082.13	110.86	73.901	
14,400.00	7,236.05	7,327.87	7,187.56	205.44	37.53	-89.95	1,469.68	-907.10	8,287.62	8,176.56	111.06	74.623	
14,500.00	7,236.16	7,327.97	7,187.66	208.26	37.53	-89.96	1,469.68	-907.10	8,382.37	8,271.12	111.25	75.347	
14,600.00	7,236.27	7,328.07	7,187.76	211.08	37.53	-89.96	1,469.68	-907.10	8,477.24	8,365.81	111.44	76.073	
14,700.00	7,236.37	7,328.17	7,187.86	213.90	37.53	-89.96	1,469.68	-907.10	8,572.23	8,460.61	111.62	76.799	
14,800.00	7,236.48	7,328.27	7,187.97	216.72	37.53	-89.96	1,469.68	-907.10	8,667.33	8,555.53	111.80	77.527	
14,900.00	7,236.59	7,328.37	7,188.07	219.55	37.53	-89.97	1,469.68	-907.10	8,762.53	8,650.56	111.97	78.256	
15,000.00	7,236.69	7,328.47	7,188.16	222.37	37.53	-89.97	1,469.68	-907.10	8,857.85	8,745.70	112.15	78.985	
15,100.00	7,236.80	7,328.57	7,188.26	225.19	37.53	-89.97	1,469.69	-907.10	8,953.26	8,840.95	112.31	79.716	
15,200.00	7,236.91	7,328.67	7,188.36	228.02	37.54	-89.97	1,469.69	-907.10	9,048.78	8,936.30	112.48	80.448	
15,300.00	7,237.02	7,328.77	7,188.46	230.84	37.54	-89.97	1,469.69	-907.10	9,144.39	9,031.74	112.64	81.180	
15,400.00	7,237.12	7,328.87	7,188.56	233.67	37.54	-89.98	1,469.69	-907.10	9,240.09	9,127.29	112.80	81.913	
15,500.00	7,237.23	7,328.96	7,188.65	236.50	37.54	-89.98	1,469.69	-907.10	9,335.89	9,222.92	112.96	82.647	
15,600.00	7,237.34	7,329.06	7,188.75	239.32	37.54	-89.98	1,469.69	-907.10	9,431.77	9,318.65	113.12	83.382	
15,700.00	7,237.44	7,329.15	7,188.84	242.15	37.54	-89.98	1,469.69	-907.10	9,527.73	9,414.46	113.27	84.117	
15,800.00	7,237.55	7,329.25	7,188.94	244.98	37.54	-89.98	1,469.69	-907.10	9,623.78	9,510.36	113.42	84.852	
15,900.00	7,237.66	7,329.34	7,189.03	247.81	37.54	-89.99	1,469.69	-907.10	9,719.91	9,606.34	113.57	85.588	
16,000.00	7,237.76	7,329.44	7,189.13	250.64	37.54	-89.99	1,469.69	-907.10	9,816.11	9,702.40	113.71	86.325	
16,100.00	7,237.87	7,329.53	7,189.22	253.47	37.54	-89.99	1,469.69	-907.10	9,912.39	9,798.54	113.85	87.062	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-65.72	422.61	-937.00	1,028.60					
100.00	100.00	57.40	57.40	3.28	3.29	-65.72	422.66	-937.08	1,028.00	1,021.42	6.57	156.419		
200.00	200.00	147.39	147.39	3.34	3.34	-65.72	423.11	-937.79	1,028.93	1,022.25	6.68	154.131		
300.00	299.98	261.66	261.64	3.44	3.46	100.63	424.84	-938.18	1,030.21	1,023.31	6.90	149.281		
400.00	399.84	414.96	414.59	3.59	3.73	101.59	431.47	-931.22	1,029.03	1,021.70	7.34	140.244		
500.00	499.45	533.49	532.43	3.79	4.02	102.82	437.72	-919.98	1,024.55	1,016.72	7.83	130.888		
600.00	598.70	643.78	641.80	4.03	4.35	104.28	443.98	-907.25	1,019.57	1,011.18	8.39	121.501		
700.00	697.47	732.31	729.39	4.31	4.65	105.71	450.71	-896.26	1,016.20	1,007.24	8.96	113.419		
791.37	787.18	815.32	811.12	4.61	4.97	107.32	459.72	-884.95	1,015.18	1,005.62	9.56	106.212 CC		
800.00	795.62	823.29	818.95	4.64	5.00	107.48	460.69	-883.82	1,015.19	1,005.57	9.62	105.544 ES		
900.00	893.06	921.36	915.12	5.00	5.42	109.63	473.32	-869.37	1,016.63	1,006.24	10.39	97.826		
1,000.00	989.64	1,035.63	1,026.16	5.40	5.99	112.51	490.38	-848.54	1,019.34	1,008.00	11.34	89.875		
1,100.00	1,085.27	1,140.12	1,126.66	5.83	6.57	115.43	507.55	-825.71	1,023.83	1,011.50	12.34	82.980		
1,200.00	1,179.82	1,251.15	1,233.16	6.29	7.23	118.66	524.58	-799.36	1,030.71	1,017.26	13.45	76.642		
1,235.00	1,212.63	1,280.91	1,261.60	6.46	7.42	119.54	529.08	-791.82	1,033.79	1,019.99	13.80	74.910		
1,300.00	1,273.43	1,337.71	1,315.89	6.79	7.78	121.32	537.53	-777.38	1,040.55	1,026.08	14.47	71.903		
1,400.00	1,366.98	1,406.90	1,381.98	7.30	8.24	123.47	548.16	-759.92	1,053.83	1,038.42	15.41	68.390		
1,500.00	1,460.52	1,479.01	1,450.83	7.84	8.72	125.68	559.97	-742.03	1,070.88	1,054.51	16.37	65.401		
1,600.00	1,554.07	1,551.79	1,520.27	8.38	9.22	127.87	572.49	-724.18	1,091.41	1,074.06	17.35	62.914		
1,700.00	1,647.61	1,631.17	1,595.64	8.93	9.79	130.26	587.24	-704.13	1,115.21	1,096.84	18.37	60.702		
1,800.00	1,741.16	1,723.80	1,683.57	9.49	10.46	132.96	603.86	-680.21	1,140.93	1,121.43	19.50	58.507		
1,900.00	1,834.70	1,811.09	1,766.50	10.06	11.10	135.40	618.95	-657.50	1,168.59	1,148.01	20.58	56.776		
2,000.00	1,928.25	1,896.25	1,847.11	10.63	11.74	137.74	633.60	-634.27	1,198.01	1,176.37	21.64	55.359		
2,100.00	2,021.79	1,971.33	1,918.47	11.21	12.30	139.69	646.19	-614.66	1,229.66	1,207.06	22.60	54.420		
2,200.00	2,115.33	2,037.55	1,981.54	11.79	12.79	141.33	657.65	-598.04	1,263.95	1,240.50	23.44	53.913		
2,300.00	2,208.88	2,120.38	2,060.36	12.37	13.41	143.31	672.48	-577.33	1,300.46	1,276.03	24.43	53.236		
2,400.00	2,302.42	2,205.80	2,141.65	12.96	14.04	145.26	687.52	-555.86	1,338.32	1,312.89	25.42	52.643		
2,500.00	2,395.97	2,286.82	2,218.90	13.55	14.65	147.01	701.51	-535.82	1,377.45	1,351.09	26.36	52.247		
2,600.00	2,489.51	2,410.35	2,336.80	14.14	15.57	149.53	721.52	-504.89	1,417.16	1,389.46	27.70	51.170		
2,700.00	2,583.06	2,463.51	2,387.74	14.74	15.95	150.54	729.74	-492.11	1,457.41	1,429.06	28.35	51.415		
2,800.00	2,676.60	2,537.62	2,458.76	15.34	16.49	151.88	742.03	-474.86	1,499.82	1,470.64	29.18	51.395		
2,900.00	2,770.14	2,630.71	2,547.68	15.93	17.18	153.54	757.38	-451.96	1,542.99	1,512.78	30.21	51.080		
3,000.00	2,863.69	2,709.03	2,622.11	16.53	17.79	154.92	770.06	-431.13	1,586.65	1,555.56	31.09	51.029		
3,100.00	2,957.23	2,784.45	2,693.70	17.13	18.37	156.20	782.75	-411.09	1,631.75	1,599.81	31.94	51.086		
3,200.00	3,050.78	2,896.93	2,801.22	17.74	19.21	157.92	800.77	-383.43	1,677.25	1,644.10	33.15	50.590		
3,300.00	3,144.32	2,992.97	2,893.44	18.34	19.90	159.29	814.33	-360.30	1,721.79	1,687.61	34.18	50.374		
3,400.00	3,237.87	3,096.77	2,993.74	18.94	20.61	160.60	828.33	-337.58	1,766.57	1,731.31	35.26	50.105		
3,500.00	3,331.41	3,206.41	3,100.78	19.55	21.29	161.76	841.43	-317.87	1,810.61	1,774.27	36.34	49.820		
3,600.00	3,424.96	3,307.92	3,200.65	20.15	21.85	162.66	852.45	-303.39	1,854.13	1,816.83	37.30	49.710		
3,666.72	3,487.37	3,382.21	3,274.10	20.56	22.23	163.21	859.85	-295.08	1,882.81	1,844.84	37.97	49.580		
3,700.00	3,518.57	3,424.10	3,315.62	20.76	22.43	163.57	863.69	-291.12	1,896.76	1,858.42	38.34	49.476		
3,800.00	3,613.09	3,589.98	3,480.64	21.34	23.14	164.65	875.41	-279.40	1,934.96	1,895.30	39.66	48.787		
3,900.00	3,708.70	3,762.75	3,653.25	21.90	23.74	165.41	879.88	-273.57	1,965.57	1,924.67	40.90	48.055		
4,000.00	3,805.27	3,863.08	3,753.54	22.44	24.06	165.81	880.69	-271.13	1,991.53	1,949.84	41.69	47.771		
4,100.00	3,902.69	3,963.50	3,853.95	22.95	24.37	166.08	881.28	-271.07	2,014.00	1,971.54	42.46	47.435		
4,200.00	4,000.84	4,055.39	3,945.85	23.43	24.65	166.30	881.84	-271.16	2,033.22	1,990.05	43.17	47.098		
4,300.00	4,099.59	4,139.58	4,030.03	23.89	24.91	166.46	882.81	-271.29	2,049.63	2,005.79	43.83	46.759		
4,400.00	4,198.84	4,233.19	4,123.63	24.32	25.21	166.60	884.50	-271.39	2,063.33	2,018.79	44.54	46.324		
4,500.00	4,298.45	4,325.28	4,215.70	24.73	25.50	166.69	886.24	-271.60	2,073.75	2,028.52	45.23	45.851		
4,600.00	4,398.30	4,423.65	4,314.04	25.11	25.82	166.74	888.50	-272.14	2,081.18	2,035.24	45.94	45.302		
4,701.72	4,500.00	4,532.95	4,423.31	25.45	26.17	0.57	890.75	-272.98	2,085.03	2,038.34	46.69	44.659		
4,800.00	4,598.28	4,633.67	4,524.01	25.74	26.49	0.54	892.56	-274.04	2,086.79	2,039.43	47.36	44.062		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,738.07	4,628.38	26.04	26.83	0.50	894.38	-275.43	2,088.52	2,040.46	48.06	43.458		
5,000.00	4,798.28	4,878.69	4,768.98	26.34	27.27	0.46	895.39	-277.10	2,089.29	2,040.35	48.95	42.686		
5,100.00	4,898.28	5,011.12	4,901.38	26.65	27.68	0.50	893.41	-275.57	2,087.71	2,037.92	49.79	41.934		
5,200.00	4,998.28	5,099.91	4,990.15	26.96	27.97	0.55	891.88	-273.74	2,086.01	2,035.58	50.42	41.369		
5,300.00	5,098.28	5,189.15	5,079.36	27.27	28.27	0.59	890.83	-272.27	2,084.84	2,033.77	51.07	40.824		
5,400.00	5,198.28	5,287.57	5,177.78	27.59	28.59	0.62	890.07	-271.30	2,084.09	2,032.33	51.76	40.263		
5,500.00	5,298.28	5,383.53	5,273.73	27.91	28.91	0.64	889.18	-270.38	2,083.17	2,030.73	52.45	39.719		
5,600.00	5,398.28	5,474.27	5,364.45	28.23	29.22	0.68	888.87	-268.96	2,082.84	2,029.72	53.12	39.213		
5,659.87	5,458.15	5,529.97	5,420.15	28.43	29.42	0.70	888.77	-268.25	2,082.75	2,029.22	53.53	38.909		
5,700.00	5,498.28	5,562.81	5,452.99	28.56	29.53	0.71	888.83	-267.95	2,082.82	2,029.04	53.78	38.728		
5,800.00	5,598.28	5,647.84	5,538.01	28.89	29.83	0.72	889.46	-267.57	2,083.57	2,029.14	54.43	38.280		
5,900.00	5,698.28	5,736.42	5,626.59	29.22	30.15	0.73	890.65	-267.32	2,084.91	2,029.81	55.10	37.838		
6,000.00	5,798.28	5,830.63	5,720.79	29.56	30.49	0.72	892.38	-267.47	2,086.74	2,030.93	55.81	37.393		
6,100.00	5,898.28	5,933.63	5,823.77	29.90	30.86	0.71	894.28	-267.93	2,088.58	2,032.02	56.56	36.925		
6,200.00	5,998.28	6,087.05	5,977.17	30.24	31.39	0.66	895.11	-269.59	2,089.14	2,031.55	57.58	36.279		
6,300.00	6,098.28	6,206.19	6,096.29	30.58	31.78	0.64	893.56	-270.39	2,087.82	2,029.43	58.40	35.751		
6,400.00	6,198.28	6,291.44	6,181.53	30.92	32.06	0.65	892.26	-270.16	2,086.32	2,027.27	59.05	35.330		
6,500.00	6,298.28	6,373.08	6,263.17	31.27	32.34	0.64	891.81	-270.39	2,085.77	2,026.08	59.69	34.943		
6,517.04	6,315.32	6,387.23	6,277.32	31.33	32.39	0.64	891.80	-270.52	2,085.75	2,025.95	59.80	34.879		
6,600.00	6,398.28	6,464.23	6,354.31	31.62	32.66	0.61	891.96	-271.54	2,085.91	2,025.53	60.38	34.546		
6,700.00	6,498.28	6,551.25	6,441.31	31.97	32.96	0.57	892.44	-273.00	2,086.44	2,025.39	61.05	34.174		
6,794.10	6,592.38	6,631.42	6,521.47	32.31	33.24	0.53	893.46	-274.43	2,087.63	2,025.95	61.68	33.847		
6,800.00	6,598.28	6,636.52	6,526.57	32.33	33.26	-89.28	893.54	-274.53	2,087.72	2,026.01	61.72	33.827		
6,850.00	6,648.21	6,679.47	6,569.50	32.51	33.41	-89.29	894.32	-275.46	2,088.58	2,026.53	62.06	33.656		
6,900.00	6,697.79	6,720.82	6,610.82	32.69	33.56	-89.37	895.21	-276.45	2,089.59	2,027.20	62.39	33.491		
6,950.00	6,746.73	6,761.50	6,651.48	32.86	33.71	-89.51	896.24	-277.50	2,090.79	2,028.06	62.73	33.329		
7,000.00	6,794.71	6,803.08	6,693.03	33.03	33.86	-89.74	897.44	-278.63	2,092.20	2,029.12	63.08	33.166		
7,050.00	6,841.44	6,843.48	6,733.40	33.20	34.00	-90.01	898.71	-279.74	2,093.87	2,030.43	63.44	33.008		
7,100.00	6,886.64	6,889.50	6,779.38	33.35	34.17	-90.40	900.24	-280.94	2,095.81	2,031.97	63.84	32.830		
7,150.00	6,930.03	6,936.02	6,825.86	33.50	34.35	-90.86	901.71	-281.89	2,097.98	2,033.73	64.26	32.650		
7,200.00	6,971.33	6,972.37	6,862.18	33.64	34.48	-91.19	902.85	-282.53	2,100.57	2,035.94	64.63	32.502		
7,250.00	7,010.30	7,005.06	6,894.85	33.77	34.60	-91.48	903.97	-283.18	2,103.78	2,038.78	65.00	32.367		
7,300.00	7,046.69	7,035.34	6,925.10	33.89	34.72	-91.70	905.08	-283.84	2,107.71	2,042.34	65.38	32.239		
7,350.00	7,080.28	7,062.93	6,952.67	34.00	34.82	-91.83	906.16	-284.46	2,112.48	2,046.70	65.77	32.118		
7,400.00	7,110.86	7,087.95	6,977.66	34.11	34.91	-91.87	907.20	-285.01	2,118.14	2,051.95	66.19	32.002		
7,450.00	7,138.25	7,110.23	6,999.91	34.21	35.00	-91.78	908.17	-285.51	2,124.78	2,058.16	66.63	31.891		
7,500.00	7,162.27	7,131.34	7,020.99	34.32	35.08	-91.59	909.12	-285.98	2,132.45	2,065.35	67.10	31.779		
7,550.00	7,182.77	7,150.88	7,040.51	34.43	35.15	-91.28	910.00	-286.44	2,141.15	2,073.54	67.62	31.666		
7,600.00	7,199.64	7,166.63	7,056.24	34.57	35.21	-90.79	910.71	-286.83	2,150.93	2,082.78	68.15	31.562		
7,650.00	7,212.76	7,178.51	7,068.10	34.76	35.26	-90.11	911.24	-287.14	2,161.77	2,093.07	68.70	31.466		
7,700.00	7,222.06	7,186.49	7,076.07	35.02	35.29	-89.22	911.60	-287.34	2,173.68	2,104.41	69.26	31.383		
7,750.00	7,227.47	7,190.56	7,080.13	35.37	35.30	-88.12	911.78	-287.45	2,186.59	2,116.76	69.83	31.313		
7,793.42	7,229.00	7,190.92	7,080.49	35.74	35.30	-87.01	911.79	-287.46	2,198.56	2,128.24	70.32	31.266		
7,800.00	7,229.01	7,190.75	7,080.33	35.80	35.30	-87.01	911.79	-287.46	2,200.43	2,130.04	70.39	31.260		
7,900.00	7,229.11	7,188.23	7,077.81	36.91	35.29	-86.94	911.67	-287.39	2,231.10	2,159.54	71.56	31.176		
8,000.00	7,229.22	7,185.75	7,075.33	38.28	35.28	-86.87	911.56	-287.33	2,265.77	2,192.97	72.80	31.123		
8,100.00	7,229.33	7,183.30	7,072.88	39.83	35.27	-86.81	911.45	-287.26	2,304.25	2,230.18	74.07	31.109 SF		
8,200.00	7,229.43	7,180.88	7,070.46	41.53	35.26	-86.74	911.35	-287.20	2,346.37	2,271.02	75.35	31.139		
8,300.00	7,229.54	7,178.49	7,068.08	43.36	35.26	-86.68	911.24	-287.13	2,391.93	2,315.30	76.63	31.216		
8,400.00	7,229.65	7,176.13	7,065.72	45.30	35.25	-86.61	911.13	-287.07	2,440.73	2,362.85	77.87	31.342		
8,500.00	7,229.75	7,173.80	7,063.39	47.33	35.24	-86.55	911.03	-287.01	2,492.59	2,413.50	79.09	31.517		
8,600.00	7,229.86	7,171.50	7,061.10	49.45	35.23	-86.49	910.93	-286.95	2,547.31	2,467.06	80.26	31.739		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	7,169.22	7,058.83	51.64	35.22	-86.42	910.83	-286.90	2,604.73	2,523.35	81.38	32.008		
8,800.00	7,230.07	7,166.98	7,056.59	53.89	35.21	-86.36	910.72	-286.84	2,664.66	2,582.22	82.44	32.322		
8,900.00	7,230.18	7,164.76	7,054.37	56.19	35.20	-86.30	910.63	-286.78	2,726.94	2,643.49	83.45	32.677		
9,000.00	7,230.29	7,162.57	7,052.19	58.55	35.20	-86.24	910.53	-286.73	2,791.41	2,707.01	84.41	33.071		
9,100.00	7,230.39	7,160.41	7,050.03	60.94	35.19	-86.19	910.43	-286.68	2,857.93	2,772.62	85.31	33.502		
9,200.00	7,230.50	7,158.28	7,047.89	63.38	35.18	-86.13	910.33	-286.62	2,926.35	2,840.20	86.15	33.967		
9,300.00	7,230.61	7,156.17	7,045.79	65.85	35.17	-86.07	910.24	-286.57	2,996.54	2,909.60	86.95	34.464		
9,400.00	7,230.72	7,154.08	7,043.70	68.35	35.16	-86.01	910.15	-286.52	3,068.39	2,980.70	87.69	34.991		
9,500.00	7,230.82	7,152.02	7,041.65	70.87	35.16	-85.96	910.05	-286.47	3,141.77	3,053.38	88.39	35.545		
9,600.00	7,230.93	7,149.98	7,039.61	73.42	35.15	-85.90	909.96	-286.42	3,216.59	3,127.55	89.04	36.124		
9,700.00	7,231.04	7,147.97	7,037.60	75.99	35.14	-85.85	909.87	-286.37	3,292.74	3,203.09	89.66	36.726		
9,800.00	7,231.14	7,145.98	7,035.62	78.59	35.13	-85.79	909.78	-286.32	3,370.14	3,279.91	90.23	37.351		
9,900.00	7,231.25	7,144.02	7,033.65	81.19	35.13	-85.74	909.69	-286.28	3,448.70	3,357.94	90.77	37.995		
10,000.00	7,231.36	7,142.07	7,031.71	83.82	35.12	-85.69	909.60	-286.23	3,528.35	3,437.08	91.27	38.659		
10,100.00	7,231.46	7,140.15	7,029.79	86.46	35.11	-85.64	909.52	-286.19	3,609.01	3,517.26	91.74	39.339		
10,200.00	7,231.57	7,138.25	7,027.90	89.11	35.10	-85.58	909.43	-286.14	3,690.61	3,598.42	92.18	40.036		
10,300.00	7,231.68	7,136.38	7,026.02	91.77	35.10	-85.53	909.35	-286.10	3,773.10	3,680.50	92.60	40.747		
10,400.00	7,231.78	7,134.52	7,024.17	94.45	35.09	-85.48	909.26	-286.06	3,856.41	3,763.42	92.99	41.472		
10,500.00	7,231.89	7,132.68	7,022.34	97.14	35.08	-85.43	909.18	-286.01	3,940.50	3,847.15	93.35	42.210		
10,600.00	7,232.00	7,130.87	7,020.52	99.83	35.08	-85.38	909.10	-285.97	4,025.32	3,931.62	93.70	42.960		
10,700.00	7,232.10	7,129.08	7,018.73	102.53	35.07	-85.33	909.02	-285.93	4,110.81	4,016.79	94.02	43.721		
10,800.00	7,232.21	7,127.30	7,016.96	105.25	35.06	-85.29	908.94	-285.89	4,196.95	4,102.62	94.33	44.492		
10,900.00	7,232.32	7,125.54	7,015.21	107.96	35.06	-85.24	908.86	-285.85	4,283.69	4,189.07	94.62	45.273		
11,000.00	7,232.42	7,123.81	7,013.47	110.69	35.05	-85.19	908.78	-285.81	4,371.00	4,276.11	94.89	46.063		
11,100.00	7,232.53	7,121.00	7,010.67	113.42	35.04	-85.12	908.65	-285.75	4,458.84	4,363.69	95.14	46.864		
11,200.00	7,232.64	7,120.36	7,010.03	116.16	35.04	-85.10	908.62	-285.73	4,547.18	4,451.78	95.39	47.667		
11,300.00	7,232.74	7,118.57	7,008.24	118.90	35.03	-85.05	908.54	-285.70	4,635.99	4,540.36	95.63	48.481		
11,400.00	7,232.85	7,116.78	7,006.45	121.65	35.02	-85.00	908.46	-285.66	4,725.25	4,629.40	95.84	49.301		
11,500.00	7,232.96	7,114.99	7,004.67	124.41	35.02	-84.95	908.38	-285.62	4,814.93	4,718.88	96.05	50.128		
11,600.00	7,233.06	7,113.20	7,002.88	127.16	35.01	-84.90	908.30	-285.58	4,905.01	4,808.76	96.25	50.961		
11,700.00	7,233.17	7,111.41	7,001.09	129.92	35.00	-84.86	908.22	-285.54	4,995.46	4,899.02	96.44	51.799		
11,800.00	7,233.28	7,109.62	6,999.30	132.69	35.00	-84.81	908.14	-285.50	5,086.28	4,989.66	96.62	52.643		
11,900.00	7,233.38	7,107.83	6,997.51	135.46	34.99	-84.76	908.06	-285.46	5,177.43	5,080.64	96.79	53.491		
12,000.00	7,233.49	7,106.03	6,995.72	138.23	34.98	-84.71	907.98	-285.42	5,268.90	5,171.94	96.95	54.344		
12,100.00	7,233.60	7,104.24	6,993.92	141.01	34.98	-84.66	907.90	-285.38	5,360.67	5,263.56	97.11	55.202		
12,200.00	7,233.71	7,102.44	6,992.13	143.79	34.97	-84.61	907.82	-285.34	5,452.73	5,355.47	97.26	56.063		
12,300.00	7,233.81	7,100.64	6,990.33	146.57	34.96	-84.56	907.74	-285.30	5,545.07	5,447.67	97.40	56.929		
12,400.00	7,233.92	7,098.84	6,988.54	149.35	34.96	-84.51	907.66	-285.26	5,637.67	5,540.13	97.54	57.798		
12,500.00	7,234.03	7,097.04	6,986.74	152.14	34.95	-84.47	907.59	-285.22	5,730.51	5,632.84	97.67	58.670		
12,600.00	7,234.13	7,095.24	6,984.94	154.93	34.94	-84.42	907.51	-285.18	5,823.60	5,725.80	97.80	59.545		
12,700.00	7,234.24	7,093.44	6,983.14	157.72	34.94	-84.37	907.43	-285.14	5,916.90	5,818.98	97.92	60.423		
12,800.00	7,234.35	7,091.64	6,981.34	160.52	34.93	-84.32	907.35	-285.10	6,010.43	5,912.38	98.04	61.304		
12,900.00	7,234.45	7,089.83	6,979.54	163.31	34.92	-84.27	907.28	-285.06	6,104.15	6,006.00	98.16	62.187		
13,000.00	7,234.56	7,088.03	6,977.74	166.11	34.91	-84.22	907.20	-285.02	6,198.08	6,099.81	98.27	63.073		
13,100.00	7,234.67	7,086.22	6,975.93	168.91	34.91	-84.17	907.12	-284.98	6,292.18	6,193.81	98.38	63.961		
13,200.00	7,234.77	7,084.42	6,974.13	171.71	34.90	-84.12	907.05	-284.94	6,386.47	6,287.99	98.48	64.851		
13,300.00	7,234.88	7,082.61	6,972.32	174.52	34.89	-84.08	906.97	-284.90	6,480.93	6,382.35	98.58	65.743		
13,400.00	7,234.99	7,080.80	6,970.51	177.32	34.89	-84.03	906.89	-284.86	6,575.55	6,476.87	98.68	66.637		
13,500.00	7,235.09	7,078.99	6,968.70	180.13	34.88	-83.98	906.82	-284.81	6,670.33	6,571.56	98.77	67.532		
13,600.00	7,235.20	7,077.18	6,966.89	182.94	34.87	-83.93	906.74	-284.77	6,765.26	6,666.39	98.86	68.429		
13,700.00	7,235.31	7,075.36	6,965.08	185.74	34.87	-83.88	906.67	-284.73	6,860.33	6,761.37	98.95	69.328		
13,800.00	7,235.41	7,073.55	6,963.27	188.56	34.86	-83.83	906.59	-284.69	6,955.54	6,856.49	99.04	70.228		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,235.52	7,071.73	6,961.46	191.37	34.85	-83.78	906.52	-284.65	7,050.88	6,951.75	99.13	71.128		
14,000.00	7,235.63	7,069.92	6,959.65	194.18	34.85	-83.73	906.44	-284.61	7,146.35	7,047.13	99.21	72.030		
14,100.00	7,235.73	7,068.10	6,957.83	197.00	34.84	-83.68	906.37	-284.57	7,241.94	7,142.64	99.29	72.934		
14,200.00	7,235.84	7,066.28	6,956.01	199.81	34.83	-83.63	906.29	-284.53	7,337.64	7,238.27	99.38	73.838		
14,300.00	7,235.95	7,064.46	6,954.20	202.63	34.83	-83.58	906.22	-284.49	7,433.46	7,334.01	99.45	74.742		
14,400.00	7,236.05	7,062.64	6,952.38	205.44	34.82	-83.53	906.15	-284.45	7,529.39	7,429.86	99.53	75.648		
14,500.00	7,236.16	7,060.82	6,950.56	208.26	34.81	-83.49	906.07	-284.41	7,625.42	7,525.81	99.61	76.554		
14,600.00	7,236.27	7,059.00	6,948.74	211.08	34.81	-83.44	906.00	-284.37	7,721.55	7,621.87	99.68	77.461		
14,700.00	7,236.37	7,057.18	6,946.92	213.90	34.80	-83.39	905.93	-284.33	7,817.78	7,718.02	99.76	78.369		
14,800.00	7,236.48	7,055.35	6,945.10	216.72	34.79	-83.34	905.86	-284.29	7,914.10	7,814.27	99.83	79.277		
14,900.00	7,236.59	7,053.53	6,943.27	219.55	34.78	-83.29	905.78	-284.25	8,010.51	7,910.61	99.90	80.185		
15,000.00	7,236.69	7,051.70	6,941.45	222.37	34.78	-83.24	905.71	-284.20	8,107.01	8,007.04	99.97	81.093		
15,100.00	7,236.80	7,049.87	6,939.62	225.19	34.77	-83.19	905.64	-284.16	8,203.59	8,103.55	100.04	82.002		
15,200.00	7,236.91	7,048.05	6,937.79	228.02	34.76	-83.14	905.57	-284.12	8,300.25	8,200.14	100.11	82.911		
15,300.00	7,237.02	7,046.22	6,935.97	230.84	34.76	-83.09	905.50	-284.08	8,396.99	8,296.81	100.18	83.821		
15,400.00	7,237.12	7,044.38	6,934.14	233.67	34.75	-83.04	905.43	-284.04	8,493.81	8,393.56	100.25	84.730		
15,500.00	7,237.23	7,042.55	6,932.31	236.50	34.74	-82.99	905.36	-284.00	8,590.69	8,490.38	100.31	85.640		
15,600.00	7,237.34	7,040.72	6,930.48	239.32	34.74	-82.94	905.29	-283.96	8,687.65	8,587.27	100.38	86.549		
15,700.00	7,237.44	7,038.89	6,928.64	242.15	34.73	-82.89	905.22	-283.92	8,784.67	8,684.23	100.44	87.458		
15,800.00	7,237.55	7,037.05	6,926.81	244.98	34.72	-82.84	905.15	-283.88	8,881.76	8,781.25	100.51	88.368		
15,900.00	7,237.66	7,035.21	6,924.98	247.81	34.72	-82.79	905.08	-283.84	8,978.92	8,878.34	100.57	89.277		
16,000.00	7,237.76	7,033.38	6,923.14	250.64	34.71	-82.74	905.01	-283.79	9,076.13	8,975.49	100.64	90.186		
16,100.00	7,237.87	7,031.54	6,921.30	253.47	34.70	-82.70	904.94	-283.75	9,173.41	9,072.70	100.70	91.095		
16,200.00	7,237.98	7,030.00	6,919.77	256.30	34.70	-82.65	904.88	-283.72	9,270.74	9,169.97	100.77	92.002		
16,300.00	7,238.08	7,030.00	6,919.77	259.13	34.70	-82.65	904.88	-283.72	9,368.13	9,267.29	100.84	92.901		
16,400.00	7,238.19	7,030.00	6,919.77	261.96	34.70	-82.65	904.88	-283.72	9,465.57	9,364.66	100.91	93.800		
16,500.00	7,238.30	7,030.00	6,919.77	264.79	34.70	-82.65	904.88	-283.72	9,563.06	9,462.08	100.98	94.698		
16,600.00	7,238.40	7,030.00	6,919.77	267.63	34.70	-82.65	904.88	-283.72	9,660.61	9,559.56	101.06	95.596		
16,700.00	7,238.51	7,030.00	6,919.77	270.46	34.70	-82.65	904.88	-283.72	9,758.21	9,657.08	101.13	96.494		
16,800.00	7,238.62	7,030.00	6,919.77	273.29	34.70	-82.65	904.88	-283.72	9,855.85	9,754.65	101.20	97.390		
16,900.00	7,238.72	7,030.00	6,919.77	276.13	34.70	-82.65	904.88	-283.72	9,953.54	9,852.27	101.27	98.286		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #4-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-65.05	437.92	-941.17	1,038.83					
100.00	100.00	55.81	55.81	3.28	3.29	-65.04	438.01	-941.22	1,038.15	1,031.58	6.57	157.976 CC, ES		
200.00	200.00	146.27	146.27	3.34	3.34	-65.01	438.92	-941.65	1,039.01	1,032.34	6.67	155.669		
300.00	299.98	242.76	242.73	3.44	3.44	101.30	440.80	-942.42	1,040.89	1,034.01	6.88	151.290		
400.00	399.84	326.65	326.58	3.59	3.57	101.55	443.03	-943.55	1,044.30	1,037.14	7.16	145.777		
500.00	499.45	398.39	398.24	3.79	3.70	101.84	445.72	-945.72	1,050.49	1,042.98	7.51	139.791		
600.00	598.70	469.44	469.07	4.03	3.86	102.21	449.63	-949.51	1,060.31	1,052.37	7.93	133.635		
700.00	697.47	542.37	541.63	4.31	4.05	102.68	454.79	-954.73	1,073.42	1,065.00	8.42	127.555		
800.00	795.62	614.00	612.72	4.64	4.26	103.16	460.40	-961.49	1,089.95	1,081.00	8.94	121.871		
900.00	893.06	690.33	688.28	5.00	4.51	103.73	466.61	-970.31	1,109.63	1,100.10	9.52	116.506		
1,000.00	989.64	765.79	762.81	5.40	4.79	104.31	473.13	-980.19	1,132.18	1,122.04	10.14	111.643		
1,100.00	1,085.27	851.87	847.66	5.83	5.12	105.11	481.14	-992.27	1,157.29	1,146.47	10.83	106.906		
1,200.00	1,179.82	926.59	921.21	6.29	5.44	105.73	487.83	-1,003.63	1,184.78	1,173.26	11.51	102.923		
1,235.00	1,212.63	950.43	944.61	6.46	5.55	105.89	489.68	-1,007.78	1,195.16	1,183.41	11.75	101.713		
1,300.00	1,273.43	982.00	975.53	6.79	5.69	106.36	491.86	-1,013.76	1,215.42	1,203.27	12.15	100.048		
1,400.00	1,366.98	1,043.68	1,035.61	7.30	5.99	107.22	496.35	-1,026.95	1,249.07	1,236.25	12.82	97.451		
1,500.00	1,460.52	1,099.41	1,089.44	7.84	6.29	107.96	501.26	-1,040.50	1,286.01	1,272.55	13.46	95.512		
1,600.00	1,554.07	1,159.84	1,147.42	8.38	6.63	108.71	507.08	-1,056.50	1,325.51	1,311.38	14.14	93.775		
1,700.00	1,647.61	1,260.77	1,244.06	8.93	7.25	109.89	516.79	-1,083.94	1,365.95	1,350.90	15.05	90.787		
1,800.00	1,741.16	1,319.86	1,300.50	9.49	7.63	110.54	522.84	-1,100.37	1,407.46	1,391.73	15.73	89.465		
1,900.00	1,834.70	1,400.04	1,376.92	10.06	8.16	111.43	532.43	-1,122.64	1,450.41	1,433.85	16.55	87.616		
2,000.00	1,928.25	1,467.99	1,441.70	10.63	8.63	112.22	541.91	-1,140.83	1,494.28	1,476.98	17.30	86.362		
2,100.00	2,021.79	1,532.15	1,502.52	11.21	9.09	112.91	551.24	-1,158.99	1,539.85	1,521.83	18.03	85.420		
2,200.00	2,115.33	1,602.19	1,568.66	11.79	9.61	113.63	561.85	-1,179.48	1,586.74	1,567.94	18.80	84.398		
2,300.00	2,208.88	1,694.09	1,655.43	12.37	10.31	114.55	576.55	-1,205.94	1,634.18	1,614.43	19.75	82.735		
2,400.00	2,302.42	1,784.50	1,741.02	12.96	10.99	115.47	591.89	-1,230.66	1,681.61	1,660.91	20.70	81.251		
2,500.00	2,395.97	1,875.72	1,827.60	13.55	11.68	116.39	608.18	-1,254.34	1,729.06	1,707.41	21.65	79.862		
2,600.00	2,489.51	1,970.48	1,917.69	14.14	12.38	117.32	625.16	-1,278.34	1,776.48	1,753.84	22.64	78.467		
2,700.00	2,583.06	2,065.93	2,008.69	14.74	13.10	118.21	641.75	-1,301.88	1,823.41	1,799.77	23.64	77.121		
2,800.00	2,676.60	2,127.78	2,067.52	15.34	13.57	118.75	652.57	-1,317.59	1,871.17	1,846.80	24.37	76.774		
2,900.00	2,770.14	2,246.67	2,180.66	15.93	14.47	119.73	672.93	-1,347.91	1,918.98	1,893.39	25.60	74.964		
3,000.00	2,863.69	2,330.44	2,260.56	16.53	15.11	120.35	686.08	-1,369.37	1,966.11	1,939.58	26.53	74.104		
3,100.00	2,957.23	2,388.61	2,315.88	17.13	15.56	120.77	695.56	-1,384.67	2,014.22	1,986.98	27.24	73.935		
3,200.00	3,050.78	2,469.30	2,392.42	17.74	16.19	121.33	709.48	-1,406.08	2,063.30	2,035.14	28.16	73.276		
3,300.00	3,144.32	2,526.21	2,446.35	18.34	16.65	121.72	719.57	-1,421.18	2,112.95	2,084.10	28.85	73.234		
3,400.00	3,237.87	2,578.00	2,495.16	18.94	17.07	122.07	729.73	-1,435.19	2,164.23	2,134.74	29.49	73.385		
3,500.00	3,331.41	2,624.13	2,538.43	19.55	17.46	122.39	739.53	-1,447.83	2,216.98	2,186.91	30.07	73.736		
3,600.00	3,424.96	2,680.24	2,590.84	20.15	17.94	122.77	752.26	-1,463.29	2,271.02	2,240.29	30.73	73.893		
3,666.72	3,487.37	3,209.48	3,099.97	20.56	21.53	126.75	853.87	-1,557.76	2,306.91	2,271.68	35.22	65.491		
3,700.00	3,518.57	3,700.00	3,309.80	20.76	23.57	128.37	870.54	-1,574.43	2,317.61	2,279.91	37.70	61.483		
3,800.00	3,613.09	3,683.38	3,572.20	21.34	23.36	130.34	875.72	-1,583.50	2,342.50	2,304.28	38.22	61.297		
3,900.00	3,708.70	3,786.22	3,675.02	21.90	23.65	131.16	874.53	-1,585.16	2,362.05	2,322.92	39.13	60.366		
4,000.00	3,805.27	3,891.16	3,779.94	22.44	23.95	131.88	873.10	-1,586.41	2,379.11	2,339.08	40.03	59.440		
4,100.00	3,902.69	3,996.79	3,885.54	22.95	24.25	132.47	871.26	-1,587.70	2,393.69	2,352.78	40.90	58.522		
4,200.00	4,000.84	4,078.87	3,967.59	23.43	24.49	132.88	869.56	-1,589.36	2,406.15	2,364.47	41.68	57.727		
4,300.00	4,099.59	4,164.95	4,053.63	23.89	24.76	133.21	868.07	-1,591.66	2,416.94	2,374.48	42.46	56.922		
4,400.00	4,198.84	4,270.14	4,158.81	24.32	25.09	133.54	867.76	-1,592.49	2,425.56	2,382.28	43.28	56.044		
4,500.00	4,298.45	4,352.04	4,240.70	24.73	25.34	133.78	868.60	-1,591.75	2,432.01	2,388.04	43.97	55.308		
4,600.00	4,398.30	4,450.22	4,338.86	25.11	25.64	133.97	870.06	-1,590.86	2,436.46	2,391.75	44.71	54.491		
4,701.72	4,500.00	4,538.89	4,427.52	25.45	25.93	-32.12	871.50	-1,590.38	2,438.82	2,393.43	45.38	53.737		
4,800.00	4,598.28	4,636.44	4,525.05	25.74	26.25	-32.09	873.34	-1,589.93	2,440.14	2,394.08	46.06	52.978		
4,900.00	4,698.28	4,900.00	4,664.83	26.04	27.09	-32.05	874.87	-1,589.13	2,440.80	2,393.44	47.36	51.534		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,904.78	4,793.35	26.34	27.09	-32.02	873.99	-1,587.10	2,439.22	2,391.53	47.69	51.145		
5,100.00	4,898.28	4,986.93	4,875.49	26.65	27.34	-32.01	873.58	-1,586.13	2,438.16	2,389.85	48.31	50.472		
5,200.00	4,998.28	5,075.04	4,963.61	26.96	27.62	-32.00	873.44	-1,585.59	2,437.70	2,388.75	48.95	49.796		
5,251.53	5,049.80	5,121.24	5,009.80	27.12	27.77	-32.00	873.43	-1,585.50	2,437.64	2,388.35	49.30	49.447		
5,300.00	5,098.28	5,164.15	5,052.71	27.27	27.91	-32.00	873.48	-1,585.52	2,437.70	2,388.07	49.62	49.125		
5,400.00	5,198.28	5,246.34	5,134.90	27.59	28.20	-32.00	873.80	-1,585.92	2,438.29	2,388.01	50.28	48.496		
5,500.00	5,298.28	5,353.08	5,241.63	27.91	28.57	-32.02	874.13	-1,586.85	2,439.01	2,387.96	51.05	47.778		
5,600.00	5,398.28	5,432.92	5,321.47	28.23	28.86	-32.04	874.39	-1,588.06	2,440.09	2,388.39	51.70	47.194		
5,700.00	5,498.28	5,507.90	5,396.42	28.56	29.14	-32.06	875.21	-1,589.60	2,442.11	2,389.77	52.34	46.661		
5,800.00	5,598.28	5,591.45	5,479.94	28.89	29.46	-32.07	877.04	-1,591.22	2,444.99	2,391.98	53.01	46.121		
5,900.00	5,698.28	5,794.06	5,682.52	29.22	30.15	-32.05	878.08	-1,590.98	2,444.61	2,390.43	54.18	45.118		
6,000.00	5,798.28	5,876.99	5,765.45	29.56	30.42	-32.05	877.77	-1,590.58	2,444.03	2,389.18	54.84	44.564		
6,086.38	5,884.65	5,956.19	5,844.65	29.85	30.69	-32.05	877.57	-1,590.69	2,443.90	2,388.45	55.45	44.071		
6,100.00	5,898.28	5,968.60	5,857.06	29.90	30.74	-32.05	877.55	-1,590.73	2,443.90	2,388.35	55.55	43.995		
6,200.00	5,998.28	6,057.70	5,946.16	30.24	31.05	-32.06	877.52	-1,591.20	2,444.16	2,387.90	56.26	43.443		
6,300.00	6,098.28	6,137.12	6,025.57	30.58	31.35	-32.07	877.86	-1,592.03	2,445.08	2,388.14	56.94	42.944		
6,400.00	6,198.28	6,213.16	6,101.60	30.92	31.64	-32.09	878.66	-1,593.36	2,446.90	2,389.30	57.60	42.483		
6,500.00	6,298.28	6,291.83	6,180.23	31.27	31.95	-32.11	880.08	-1,595.19	2,449.66	2,391.39	58.27	42.040		
6,600.00	6,398.28	6,600.00	6,364.02	31.62	33.08	-32.12	881.98	-1,596.89	2,450.93	2,391.01	59.92	40.902		
6,700.00	6,498.28	6,581.39	6,469.74	31.97	33.00	-32.14	880.73	-1,597.37	2,450.16	2,389.94	60.22	40.690		
6,794.10	6,592.38	6,724.19	6,612.52	32.31	33.49	-32.16	878.26	-1,596.68	2,448.41	2,387.30	61.11	40.068		
6,800.00	6,598.28	6,730.69	6,619.02	32.33	33.51	-121.99	878.13	-1,596.59	2,448.28	2,387.13	61.15	40.035		
6,825.17	6,623.43	6,758.43	6,646.74	32.42	33.60	-122.02	877.56	-1,596.17	2,448.03	2,386.68	61.35	39.903		
6,850.00	6,648.21	6,777.27	6,665.58	32.51	33.67	-122.02	877.20	-1,595.86	2,448.31	2,386.80	61.51	39.801		
6,900.00	6,697.79	6,812.47	6,700.77	32.69	33.79	-121.93	876.71	-1,595.29	2,450.66	2,388.82	61.83	39.633		
6,950.00	6,746.73	6,851.00	6,739.30	32.86	33.92	-121.72	876.43	-1,594.69	2,455.39	2,393.23	62.16	39.499		
7,000.00	6,794.71	6,885.66	6,773.95	33.03	34.04	-121.36	876.35	-1,594.21	2,462.44	2,399.97	62.48	39.415		
7,050.00	6,841.44	6,923.56	6,811.85	33.20	34.17	-120.89	876.36	-1,593.78	2,471.76	2,408.97	62.80	39.361		
7,100.00	6,886.64	6,961.36	6,849.65	33.35	34.31	-120.29	876.46	-1,593.46	2,483.32	2,420.20	63.12	39.344 SF		
7,150.00	6,930.03	6,998.83	6,887.11	33.50	34.44	-119.56	876.65	-1,593.17	2,497.05	2,433.61	63.44	39.362		
7,200.00	6,971.33	7,034.49	6,922.78	33.64	34.58	-118.66	876.92	-1,592.91	2,512.92	2,449.17	63.75	39.419		
7,250.00	7,010.30	7,068.15	6,956.43	33.77	34.70	-117.57	877.26	-1,592.69	2,530.89	2,466.83	64.05	39.513		
7,300.00	7,046.69	7,099.57	6,987.85	33.89	34.81	-116.29	877.65	-1,592.49	2,550.89	2,486.54	64.35	39.641		
7,350.00	7,080.28	7,130.01	7,018.29	34.00	34.93	-114.80	878.08	-1,592.32	2,572.85	2,508.20	64.65	39.796		
7,400.00	7,110.86	7,160.38	7,048.65	34.11	35.04	-113.12	878.52	-1,592.17	2,596.66	2,531.70	64.96	39.973		
7,450.00	7,138.25	7,187.57	7,075.84	34.21	35.14	-111.17	878.91	-1,592.04	2,622.21	2,556.95	65.27	40.177		
7,500.00	7,162.27	7,211.41	7,099.68	34.32	35.24	-108.94	879.25	-1,591.94	2,649.40	2,583.84	65.57	40.407		
7,550.00	7,182.77	7,231.77	7,120.04	34.43	35.31	-106.39	879.54	-1,591.86	2,678.11	2,612.24	65.87	40.660		
7,600.00	7,199.64	7,248.53	7,136.79	34.57	35.38	-103.52	879.77	-1,591.80	2,708.19	2,642.03	66.16	40.935		
7,650.00	7,212.76	7,261.59	7,149.85	34.76	35.42	-100.32	879.95	-1,591.75	2,739.48	2,673.04	66.44	41.230		
7,700.00	7,222.06	7,270.87	7,159.13	35.02	35.46	-96.79	880.08	-1,591.72	2,771.81	2,705.09	66.72	41.544		
7,750.00	7,227.47	7,276.34	7,164.60	35.37	35.48	-92.96	880.16	-1,591.71	2,804.99	2,738.00	66.98	41.875		
7,793.42	7,229.00	7,277.96	7,166.22	35.74	35.49	-89.43	880.18	-1,591.70	2,834.32	2,767.12	67.20	42.177		
7,800.00	7,229.01	7,277.99	7,166.25	35.80	35.49	-89.43	880.18	-1,591.70	2,838.80	2,771.56	67.23	42.223		
7,900.00	7,229.11	7,278.39	7,166.65	36.91	35.49	-89.44	880.18	-1,591.70	2,907.84	2,840.09	67.75	42.918		
8,000.00	7,229.22	7,278.78	7,167.04	38.28	35.49	-89.45	880.19	-1,591.70	2,978.64	2,910.32	68.32	43.598		
8,100.00	7,229.33	7,279.18	7,167.44	39.83	35.49	-89.46	880.20	-1,591.70	3,051.08	2,982.15	68.92	44.268		
8,200.00	7,229.43	7,279.57	7,167.83	41.53	35.49	-89.47	880.20	-1,591.70	3,125.03	3,055.48	69.55	44.933		
8,300.00	7,229.54	7,279.97	7,168.23	43.36	35.49	-89.48	880.21	-1,591.70	3,200.40	3,130.21	70.19	45.597		
8,400.00	7,229.65	7,280.36	7,168.62	45.30	35.50	-89.49	880.21	-1,591.69	3,277.09	3,206.26	70.84	46.262		
8,500.00	7,229.75	7,280.75	7,169.01	47.33	35.50	-89.51	880.22	-1,591.69	3,355.01	3,283.52	71.49	46.931		
8,600.00	7,229.86	7,281.14	7,169.40	49.45	35.50	-89.52	880.22	-1,591.69	3,434.07	3,361.94	72.14	47.606		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,229.97	7,281.53	7,169.79	51.64	35.50	-89.53	880.23	-1,591.69	3,514.20	3,441.43	72.78	48.288		
8,800.00	7,230.07	7,281.91	7,170.17	53.89	35.50	-89.54	880.23	-1,591.69	3,595.33	3,521.92	73.41	48.977		
8,900.00	7,230.18	7,282.30	7,170.56	56.19	35.50	-89.55	880.24	-1,591.69	3,677.38	3,603.35	74.03	49.674		
9,000.00	7,230.29	7,282.68	7,170.94	58.55	35.50	-89.56	880.24	-1,591.69	3,760.31	3,685.67	74.64	50.381		
9,100.00	7,230.39	7,283.07	7,171.33	60.94	35.51	-89.57	880.25	-1,591.69	3,844.04	3,768.81	75.23	51.096		
9,200.00	7,230.50	7,283.45	7,171.71	63.38	35.51	-89.58	880.25	-1,591.69	3,928.54	3,852.73	75.81	51.820		
9,300.00	7,230.61	7,283.83	7,172.09	65.85	35.51	-89.59	880.26	-1,591.68	4,013.75	3,937.37	76.37	52.554		
9,400.00	7,230.72	7,284.21	7,172.47	68.35	35.51	-89.60	880.26	-1,591.68	4,099.63	4,022.70	76.92	53.296		
9,500.00	7,230.82	7,284.59	7,172.85	70.87	35.51	-89.61	880.27	-1,591.68	4,186.13	4,108.67	77.45	54.046		
9,600.00	7,230.93	7,284.97	7,173.22	73.42	35.51	-89.62	880.27	-1,591.68	4,273.22	4,195.25	77.97	54.805		
9,700.00	7,231.04	7,294.90	7,173.36	75.99	35.55	-89.63	880.28	-1,591.68	4,360.87	4,282.36	78.51	55.543		
9,800.00	7,231.14	7,294.51	7,173.75	78.59	35.55	-89.64	880.28	-1,591.68	4,449.04	4,370.04	79.00	56.319		
9,900.00	7,231.25	7,294.13	7,174.13	81.19	35.55	-89.65	880.29	-1,591.68	4,537.70	4,458.23	79.47	57.103		
10,000.00	7,231.36	7,293.74	7,174.52	83.82	35.55	-89.66	880.29	-1,591.68	4,626.82	4,546.90	79.92	57.894		
10,100.00	7,231.46	7,293.35	7,174.91	86.46	35.55	-89.67	880.30	-1,591.68	4,716.38	4,636.02	80.36	58.691		
10,200.00	7,231.57	7,292.96	7,175.29	89.11	35.54	-89.68	880.30	-1,591.68	4,806.35	4,725.56	80.79	59.494		
10,300.00	7,231.68	7,292.58	7,175.68	91.77	35.54	-89.69	880.31	-1,591.67	4,896.71	4,815.51	81.20	60.304		
10,400.00	7,231.78	7,292.19	7,176.07	94.45	35.54	-89.70	880.31	-1,591.67	4,987.43	4,905.83	81.60	61.119		
10,500.00	7,231.89	7,291.80	7,176.46	97.14	35.54	-89.71	880.32	-1,591.67	5,078.51	4,996.52	81.99	61.940		
10,600.00	7,232.00	7,291.42	7,176.84	99.83	35.54	-89.72	880.32	-1,591.67	5,169.91	5,087.54	82.37	62.766		
10,700.00	7,232.10	7,291.03	7,177.23	102.53	35.54	-89.73	880.33	-1,591.67	5,261.63	5,178.90	82.73	63.597		
10,800.00	7,232.21	7,290.64	7,177.62	105.25	35.53	-89.74	880.34	-1,591.67	5,353.64	5,270.55	83.09	64.432		
10,900.00	7,232.32	7,290.25	7,178.00	107.96	35.53	-89.75	880.34	-1,591.67	5,445.94	5,362.50	83.43	65.272		
11,000.00	7,232.42	7,290.13	7,178.39	110.69	35.53	-89.76	880.35	-1,591.67	5,538.50	5,454.73	83.77	66.115		
11,100.00	7,232.53	7,290.52	7,178.78	113.42	35.53	-89.77	880.35	-1,591.67	5,631.32	5,547.22	84.10	66.960		
11,200.00	7,232.64	7,290.91	7,179.17	116.16	35.54	-89.79	880.36	-1,591.67	5,724.38	5,639.96	84.42	67.809		
11,300.00	7,232.74	7,291.29	7,179.55	118.90	35.54	-89.80	880.36	-1,591.66	5,817.67	5,732.94	84.73	68.661		
11,400.00	7,232.85	7,291.68	7,179.94	121.65	35.54	-89.81	880.37	-1,591.66	5,911.18	5,826.14	85.03	69.516		
11,500.00	7,232.96	7,292.07	7,180.33	124.41	35.54	-89.82	880.37	-1,591.66	6,004.89	5,919.57	85.33	70.374		
11,600.00	7,233.06	7,292.46	7,180.71	127.16	35.54	-89.83	880.38	-1,591.66	6,098.81	6,013.20	85.62	71.235		
11,700.00	7,233.17	7,292.84	7,181.10	129.92	35.54	-89.84	880.38	-1,591.66	6,192.92	6,107.02	85.90	72.098		
11,800.00	7,233.28	7,293.23	7,181.49	132.69	35.54	-89.85	880.39	-1,591.66	6,287.21	6,201.04	86.17	72.964		
11,900.00	7,233.38	7,293.62	7,181.88	135.46	35.55	-89.86	880.39	-1,591.66	6,381.67	6,295.24	86.43	73.833		
12,000.00	7,233.49	7,294.00	7,182.26	138.23	35.55	-89.87	880.40	-1,591.66	6,476.30	6,389.61	86.69	74.703		
12,100.00	7,233.60	7,294.39	7,182.65	141.01	35.55	-89.88	880.40	-1,591.66	6,571.09	6,484.15	86.95	75.576		
12,200.00	7,233.71	7,294.78	7,183.04	143.79	35.55	-89.89	880.41	-1,591.65	6,666.03	6,578.84	87.19	76.450		
12,300.00	7,233.81	7,295.17	7,183.42	146.57	35.55	-89.90	880.41	-1,591.65	6,761.12	6,673.68	87.44	77.326		
12,400.00	7,233.92	7,295.55	7,183.81	149.35	35.55	-89.91	880.42	-1,591.65	6,856.35	6,768.67	87.67	78.203		
12,500.00	7,234.03	7,295.94	7,184.20	152.14	35.56	-89.92	880.43	-1,591.65	6,951.71	6,863.80	87.90	79.082		
12,600.00	7,234.13	7,296.33	7,184.59	154.93	35.56	-89.94	880.43	-1,591.65	7,047.20	6,959.07	88.13	79.963		
12,700.00	7,234.24	7,296.72	7,184.97	157.72	35.56	-89.95	880.44	-1,591.65	7,142.81	7,054.46	88.35	80.845		
12,800.00	7,234.35	7,297.10	7,185.36	160.52	35.56	-89.96	880.44	-1,591.65	7,238.54	7,149.97	88.57	81.727		
12,900.00	7,234.45	7,297.49	7,185.75	163.31	35.56	-89.97	880.45	-1,591.65	7,334.39	7,245.61	88.78	82.611		
13,000.00	7,234.56	7,297.88	7,186.13	166.11	35.56	-89.98	880.45	-1,591.65	7,430.34	7,341.35	88.99	83.496		
13,100.00	7,234.67	7,298.26	7,186.52	168.91	35.56	-89.99	880.46	-1,591.64	7,526.40	7,437.21	89.19	84.382		
13,200.00	7,234.77	7,298.65	7,186.91	171.71	35.57	-90.00	880.46	-1,591.64	7,622.56	7,533.17	89.40	85.268		
13,300.00	7,234.88	7,299.04	7,187.30	174.52	35.57	-90.01	880.47	-1,591.64	7,718.82	7,629.23	89.59	86.155		
13,400.00	7,234.99	7,299.43	7,187.68	177.32	35.57	-90.02	880.47	-1,591.64	7,815.18	7,725.39	89.79	87.043		
13,500.00	7,235.09	7,299.81	7,188.07	180.13	35.57	-90.03	880.48	-1,591.64	7,911.62	7,821.64	89.98	87.931		
13,600.00	7,235.20	7,300.20	7,188.46	182.94	35.57	-90.04	880.48	-1,591.64	8,008.15	7,917.99	90.16	88.820		
13,700.00	7,235.31	7,300.59	7,188.84	185.74	35.57	-90.05	880.49	-1,591.64	8,104.76	8,014.42	90.34	89.709		
13,800.00	7,235.41	7,300.97	7,189.23	188.56	35.57	-90.06	880.49	-1,591.64	8,201.46	8,110.93	90.53	90.598		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,235.52	7,301.36	7,189.62	191.37	35.58	-90.07	880.50	-1,591.64	8,298.23	8,207.53	90.70	91.488		
14,000.00	7,235.63	7,301.75	7,190.01	194.18	35.58	-90.08	880.50	-1,591.64	8,395.08	8,304.21	90.88	92.378		
14,100.00	7,235.73	7,302.14	7,190.39	197.00	35.58	-90.10	880.51	-1,591.63	8,492.01	8,400.96	91.05	93.268		
14,200.00	7,235.84	7,302.52	7,190.78	199.81	35.58	-90.11	880.52	-1,591.63	8,589.00	8,497.78	91.22	94.158		
14,300.00	7,235.95	7,302.91	7,191.17	202.63	35.58	-90.12	880.52	-1,591.63	8,686.06	8,594.68	91.39	95.048		
14,400.00	7,236.05	7,303.30	7,191.55	205.44	35.58	-90.13	880.53	-1,591.63	8,783.19	8,691.64	91.55	95.938		
14,500.00	7,236.16	7,303.68	7,191.94	208.26	35.58	-90.14	880.53	-1,591.63	8,880.38	8,788.67	91.71	96.828		
14,600.00	7,236.27	7,304.07	7,192.33	211.08	35.59	-90.15	880.54	-1,591.63	8,977.63	8,885.76	91.87	97.718		
14,700.00	7,236.37	7,304.46	7,192.72	213.90	35.59	-90.16	880.54	-1,591.63	9,074.95	8,982.91	92.03	98.607		
14,800.00	7,236.48	7,304.85	7,193.10	216.72	35.59	-90.17	880.55	-1,591.63	9,172.32	9,080.13	92.19	99.497		
14,900.00	7,236.59	7,305.23	7,193.49	219.55	35.59	-90.18	880.55	-1,591.63	9,269.74	9,177.40	92.34	100.386		
15,000.00	7,236.69	7,305.62	7,193.88	222.37	35.59	-90.19	880.56	-1,591.62	9,367.22	9,274.73	92.49	101.274		
15,100.00	7,236.80	7,306.01	7,194.26	225.19	35.59	-90.20	880.56	-1,591.62	9,464.76	9,372.11	92.64	102.163		
15,200.00	7,236.91	7,306.39	7,194.65	228.02	35.59	-90.21	880.57	-1,591.62	9,562.34	9,469.55	92.79	103.050		
15,300.00	7,237.02	7,306.78	7,195.04	230.84	35.60	-90.22	880.57	-1,591.62	9,659.97	9,567.03	92.94	103.938		
15,400.00	7,237.12	7,307.17	7,195.43	233.67	35.60	-90.23	880.58	-1,591.62	9,757.65	9,664.57	93.09	104.825		
15,500.00	7,237.23	7,307.56	7,195.81	236.50	35.60	-90.24	880.58	-1,591.62	9,855.38	9,762.15	93.23	105.711		
15,600.00	7,237.34	7,307.94	7,196.20	239.32	35.60	-90.26	880.59	-1,591.62	9,953.15	9,859.78	93.37	106.597		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-66.42	406.95	-932.54	1,018.18					
100.00	100.00	57.06	57.06	3.28	3.29	-66.43	406.97	-932.64	1,017.58	1,011.01	6.57	154.835 CC, ES		
200.00	200.00	146.32	146.32	3.34	3.34	-66.44	407.14	-933.55	1,018.59	1,011.92	6.68	152.592		
300.00	299.98	249.40	249.38	3.44	3.45	99.79	407.53	-935.06	1,020.38	1,013.49	6.89	148.141		
400.00	399.84	340.51	340.48	3.59	3.59	99.97	407.65	-936.64	1,022.93	1,015.75	7.18	142.415		
500.00	499.45	445.12	445.04	3.79	3.80	100.28	406.27	-939.43	1,026.37	1,018.78	7.59	135.259		
600.00	598.70	550.33	550.08	4.03	4.06	100.60	401.63	-942.83	1,029.72	1,021.64	8.08	127.389		
700.00	697.47	640.64	640.02	4.31	4.31	100.83	394.83	-947.40	1,034.11	1,025.49	8.62	119.940		
800.00	795.62	732.59	731.38	4.64	4.60	101.11	386.52	-953.68	1,040.18	1,030.94	9.24	112.609		
900.00	893.06	830.75	828.73	5.00	4.95	101.49	376.44	-961.21	1,047.23	1,037.29	9.94	105.345		
1,000.00	989.64	927.50	924.57	5.40	5.32	101.98	365.94	-969.15	1,055.32	1,044.61	10.70	98.584		
1,100.00	1,085.27	1,017.16	1,013.11	5.83	5.69	102.44	354.62	-977.57	1,064.56	1,053.06	11.50	92.533		
1,200.00	1,179.82	1,098.23	1,092.64	6.29	6.06	102.79	342.47	-987.59	1,076.22	1,063.89	12.33	87.287		
1,235.00	1,212.63	1,128.01	1,121.73	6.46	6.21	102.92	337.69	-991.75	1,080.85	1,068.21	12.64	85.517		
1,300.00	1,273.43	1,187.24	1,179.45	6.79	6.50	103.33	327.78	-1,000.60	1,089.92	1,076.67	13.25	82.256		
1,400.00	1,366.98	1,283.56	1,272.95	7.30	7.02	103.91	310.37	-1,015.84	1,104.13	1,089.87	14.26	77.403		
1,500.00	1,460.52	1,374.54	1,360.76	7.84	7.54	104.34	292.43	-1,031.52	1,118.87	1,103.57	15.30	73.143		
1,600.00	1,554.07	1,472.92	1,455.28	8.38	8.14	104.71	272.12	-1,049.69	1,134.28	1,117.86	16.42	69.075		
1,700.00	1,647.61	1,584.83	1,562.37	8.93	8.86	105.04	247.12	-1,070.45	1,148.97	1,131.29	17.69	64.967		
1,800.00	1,741.16	1,693.73	1,666.46	9.49	9.59	105.33	221.71	-1,089.95	1,162.64	1,143.67	18.96	61.313		
1,900.00	1,834.70	1,797.44	1,765.48	10.06	10.30	105.57	196.75	-1,107.96	1,175.49	1,155.25	20.23	58.101		
2,000.00	1,928.25	1,877.06	1,840.71	10.63	10.88	105.63	175.89	-1,123.59	1,189.21	1,167.86	21.36	55.687		
2,100.00	2,021.79	1,960.28	1,919.19	11.21	11.51	105.68	154.46	-1,141.15	1,204.42	1,181.89	22.53	53.469		
2,200.00	2,115.33	2,064.12	2,017.52	11.79	12.29	105.80	128.99	-1,162.68	1,219.93	1,196.06	23.87	51.106		
2,300.00	2,208.88	2,159.84	2,108.33	12.37	13.00	105.94	106.02	-1,182.38	1,235.60	1,210.44	25.15	49.128		
2,400.00	2,302.42	2,268.14	2,211.14	12.96	13.82	106.09	79.85	-1,204.18	1,250.80	1,224.25	26.55	47.116		
2,500.00	2,395.97	2,353.39	2,292.28	13.55	14.46	106.24	59.76	-1,220.90	1,265.93	1,238.19	27.74	45.632		
2,600.00	2,489.51	2,440.92	2,375.45	14.14	15.12	106.38	39.83	-1,239.53	1,282.79	1,253.83	28.96	44.297		
2,700.00	2,583.06	2,554.42	2,483.42	14.74	15.98	106.57	13.68	-1,262.82	1,298.90	1,268.48	30.42	42.699		
2,800.00	2,676.60	2,630.74	2,555.90	15.34	16.57	106.68	-4.12	-1,278.69	1,315.21	1,283.66	31.55	41.692		
2,900.00	2,770.14	2,730.34	2,649.93	15.93	17.37	106.75	-27.64	-1,301.63	1,333.18	1,300.26	32.92	40.501		
3,000.00	2,863.69	2,876.52	2,788.38	16.53	18.51	106.89	-63.55	-1,331.69	1,348.50	1,313.78	34.72	38.837		
3,100.00	2,957.23	2,993.79	2,900.18	17.13	19.40	107.09	-92.12	-1,352.57	1,361.71	1,325.49	36.22	37.595		
3,200.00	3,050.78	3,107.69	3,008.67	17.74	20.27	107.26	-120.96	-1,371.83	1,373.65	1,335.96	37.69	36.446		
3,300.00	3,144.32	3,174.61	3,072.81	18.34	20.75	107.41	-136.57	-1,382.82	1,386.26	1,347.53	38.73	35.789		
3,400.00	3,237.87	3,244.17	3,139.69	18.94	21.26	107.61	-151.19	-1,395.10	1,401.13	1,361.35	39.78	35.222		
3,500.00	3,331.41	3,366.13	3,256.58	19.55	22.16	107.89	-177.13	-1,418.27	1,417.23	1,375.93	41.30	34.313		
3,600.00	3,424.96	3,549.04	3,432.74	20.15	23.45	108.42	-219.26	-1,443.54	1,427.31	1,384.06	43.25	33.000		
3,666.72	3,487.37	3,599.86	3,481.60	20.56	23.81	108.55	-231.67	-1,449.96	1,433.30	1,389.29	44.01	32.568		
3,700.00	3,518.57	3,624.59	3,505.36	20.76	23.98	108.67	-237.65	-1,453.30	1,436.52	1,392.14	44.38	32.369		
3,800.00	3,613.09	3,700.09	3,577.67	21.34	24.55	108.93	-256.15	-1,464.71	1,446.58	1,401.08	45.50	31.792		
3,900.00	3,708.70	3,792.82	3,665.57	21.90	25.28	108.96	-280.55	-1,481.31	1,456.82	1,410.04	46.78	31.143		
4,000.00	3,805.27	3,891.58	3,758.48	22.44	26.09	108.75	-308.30	-1,500.03	1,465.89	1,417.77	48.12	30.463		
4,100.00	3,902.69	4,002.26	3,862.42	22.95	27.01	108.32	-339.96	-1,521.08	1,473.72	1,424.16	49.56	29.733		
4,200.00	4,000.84	4,079.59	3,935.38	23.43	27.64	107.99	-361.19	-1,535.45	1,480.82	1,430.18	50.65	29.237		
4,300.00	4,099.59	4,152.36	4,004.76	23.89	28.19	107.70	-378.65	-1,548.71	1,488.54	1,436.93	51.61	28.842		
4,400.00	4,198.84	4,212.08	4,062.25	24.32	28.63	107.52	-390.64	-1,559.54	1,497.36	1,444.99	52.37	28.591		
4,500.00	4,298.45	4,266.00	4,114.14	24.73	29.02	107.36	-400.33	-1,570.56	1,508.20	1,455.20	53.00	28.458		
4,600.00	4,398.30	4,396.95	4,239.47	25.11	29.99	106.43	-425.62	-1,598.79	1,518.64	1,464.18	54.45	27.890		
4,701.72	4,500.00	4,522.85	4,360.29	25.45	30.92	-60.81	-451.04	-1,623.45	1,526.48	1,470.70	55.77	27.370		
4,800.00	4,598.28	4,662.36	4,494.93	25.74	31.90	-62.15	-479.07	-1,646.81	1,531.62	1,474.52	57.10	26.823		
4,900.00	4,698.28	4,779.25	4,609.37	26.04	32.61	-63.03	-497.71	-1,661.45	1,535.48	1,477.37	58.12	26.420		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,798.28	4,869.41	4,698.20	26.34	33.12	-63.59	-509.88	-1,671.02	1,538.97	1,480.08	58.89	26.131		
5,100.00	4,898.28	4,966.81	4,794.20	26.65	33.66	-64.18	-522.32	-1,681.69	1,543.24	1,483.53	59.71	25.846		
5,200.00	4,998.28	5,076.02	4,902.13	26.96	34.23	-64.78	-534.91	-1,692.59	1,547.33	1,486.75	60.58	25.541		
5,300.00	5,098.28	5,206.73	5,031.89	27.27	34.85	-65.34	-547.33	-1,702.17	1,549.95	1,488.43	61.52	25.195		
5,400.00	5,198.28	5,314.36	5,139.11	27.59	35.31	-65.69	-555.08	-1,707.47	1,551.45	1,489.16	62.29	24.909		
5,500.00	5,298.28	5,448.09	5,272.43	27.91	35.85	-66.06	-564.33	-1,711.91	1,551.62	1,488.49	63.13	24.579		
5,600.00	5,398.28	5,546.81	5,371.06	28.23	36.19	-66.22	-568.39	-1,713.11	1,551.06	1,487.27	63.80	24.313		
5,700.00	5,498.28	5,653.53	5,477.73	28.56	36.53	-66.31	-571.23	-1,713.07	1,549.94	1,485.48	64.47	24.043		
5,800.00	5,598.28	5,745.38	5,569.55	28.89	36.83	-66.41	-573.88	-1,713.33	1,549.05	1,483.95	65.10	23.795		
5,877.16	5,675.43	5,813.28	5,637.43	29.15	37.04	-66.46	-575.16	-1,713.64	1,548.80	1,483.22	65.57	23.620		
5,900.00	5,698.28	5,832.77	5,656.92	29.22	37.10	-66.46	-575.22	-1,713.69	1,548.82	1,483.12	65.71	23.572		
6,000.00	5,798.28	5,918.34	5,742.49	29.56	37.33	-66.42	-573.95	-1,713.78	1,549.51	1,483.23	66.28	23.380		
6,100.00	5,898.28	6,008.94	5,833.07	29.90	37.56	-66.36	-572.05	-1,714.47	1,551.04	1,484.19	66.85	23.202		
6,200.00	5,998.28	6,107.10	5,931.20	30.24	37.83	-66.31	-569.92	-1,715.52	1,552.89	1,485.44	67.46	23.021		
6,300.00	6,098.28	6,197.93	6,021.99	30.58	38.07	-66.25	-567.87	-1,716.66	1,554.96	1,486.91	68.04	22.853		
6,400.00	6,198.28	6,293.89	6,117.91	30.92	38.34	-66.20	-565.57	-1,718.48	1,557.65	1,489.00	68.65	22.688		
6,500.00	6,298.28	6,393.11	6,217.08	31.27	38.63	-66.15	-563.18	-1,720.38	1,560.39	1,491.10	69.28	22.522		
6,600.00	6,398.28	6,490.64	6,314.56	31.62	38.91	-66.10	-560.71	-1,722.32	1,563.23	1,493.32	69.91	22.360		
6,700.00	6,498.28	6,590.70	6,414.57	31.97	39.21	-66.07	-558.77	-1,724.67	1,566.15	1,495.59	70.56	22.195		
6,794.10	6,592.38	6,684.03	6,507.87	32.31	39.50	-66.05	-557.26	-1,726.99	1,568.91	1,497.73	71.18	22.040		
6,800.00	6,598.28	6,689.68	6,513.51	32.33	39.52	-155.86	-557.17	-1,727.13	1,569.11	1,497.89	71.22	22.031		
6,850.00	6,648.21	6,737.42	6,561.23	32.51	39.66	-155.75	-556.30	-1,728.33	1,572.85	1,501.30	71.55	21.984 SF		
6,900.00	6,697.79	6,783.57	6,607.35	32.69	39.80	-155.54	-555.30	-1,729.51	1,580.21	1,508.36	71.86	21.991		
6,950.00	6,746.73	6,827.76	6,651.51	32.86	39.94	-155.23	-554.13	-1,730.66	1,591.22	1,519.07	72.15	22.054		
7,000.00	6,794.71	6,871.60	6,695.31	33.03	40.07	-154.82	-552.76	-1,731.84	1,605.82	1,533.38	72.44	22.168		
7,050.00	6,841.44	6,915.01	6,738.68	33.20	40.20	-154.29	-551.32	-1,733.07	1,623.88	1,551.17	72.72	22.332		
7,100.00	6,886.64	6,958.86	6,782.49	33.35	40.33	-153.64	-549.83	-1,734.36	1,645.29	1,572.31	72.99	22.542		
7,150.00	6,930.03	7,004.87	6,828.45	33.50	40.47	-152.87	-548.17	-1,735.61	1,669.81	1,596.55	73.26	22.793		
7,200.00	6,971.33	7,047.43	6,870.97	33.64	40.59	-151.90	-546.55	-1,736.65	1,697.29	1,623.79	73.51	23.090		
7,250.00	7,010.30	7,085.89	6,909.39	33.77	40.71	-150.70	-545.06	-1,737.56	1,727.64	1,653.92	73.73	23.433		
7,300.00	7,046.69	7,121.71	6,945.17	33.89	40.81	-149.21	-543.67	-1,738.40	1,760.70	1,686.78	73.93	23.817		
7,350.00	7,080.28	7,151.29	6,974.72	34.00	40.90	-147.30	-542.51	-1,739.12	1,796.33	1,722.24	74.09	24.245		
7,400.00	7,110.86	7,178.05	7,001.45	34.11	40.98	-144.90	-541.46	-1,739.81	1,834.33	1,760.10	74.23	24.710		
7,450.00	7,138.25	7,201.75	7,025.12	34.21	41.05	-141.86	-540.53	-1,740.46	1,874.48	1,800.13	74.36	25.210		
7,500.00	7,162.27	7,223.27	7,046.62	34.32	41.11	-138.01	-539.67	-1,741.07	1,916.52	1,842.06	74.46	25.738		
7,550.00	7,182.77	7,241.99	7,065.31	34.43	41.17	-133.05	-538.90	-1,741.60	1,960.18	1,885.63	74.55	26.294		
7,600.00	7,199.64	7,257.12	7,080.43	34.57	41.21	-126.61	-538.27	-1,742.03	2,005.20	1,930.58	74.62	26.873		
7,650.00	7,212.76	7,268.59	7,091.88	34.76	41.25	-118.23	-537.79	-1,742.35	2,051.29	1,976.63	74.66	27.474		
7,700.00	7,222.06	7,276.30	7,099.58	35.02	41.27	-107.58	-537.46	-1,742.57	2,098.18	2,023.49	74.69	28.092		
7,750.00	7,227.47	7,280.22	7,103.49	35.37	41.28	-94.79	-537.29	-1,742.68	2,145.58	2,070.88	74.70	28.723		
7,793.42	7,229.00	7,280.52	7,103.79	35.74	41.28	-82.68	-537.28	-1,742.69	2,186.92	2,112.22	74.69	29.278		
7,800.00	7,229.01	7,280.34	7,103.62	35.80	41.28	-82.66	-537.28	-1,742.69	2,193.18	2,118.49	74.69	29.363		
7,900.00	7,229.11	7,277.71	7,100.99	36.91	41.28	-82.44	-537.40	-1,742.61	2,288.65	2,213.98	74.67	30.649		
8,000.00	7,229.22	7,275.07	7,098.35	38.28	41.27	-82.21	-537.51	-1,742.54	2,384.49	2,309.83	74.66	31.936		
8,100.00	7,229.33	7,272.43	7,095.71	39.83	41.26	-81.98	-537.62	-1,742.46	2,480.65	2,405.99	74.66	33.224		
8,200.00	7,229.43	7,269.78	7,093.07	41.53	41.25	-81.76	-537.74	-1,742.39	2,577.11	2,502.44	74.67	34.513		
8,300.00	7,229.54	7,267.14	7,090.43	43.36	41.24	-81.53	-537.85	-1,742.31	2,673.82	2,599.14	74.68	35.803		
8,400.00	7,229.65	7,264.49	7,087.79	45.30	41.24	-81.31	-537.96	-1,742.24	2,770.76	2,696.06	74.70	37.094		
8,500.00	7,229.75	7,261.84	7,085.14	47.33	41.23	-81.08	-538.08	-1,742.16	2,867.91	2,793.19	74.71	38.385		
8,600.00	7,229.86	7,259.19	7,082.49	49.45	41.22	-80.86	-538.19	-1,742.09	2,965.24	2,890.51	74.74	39.676		
8,700.00	7,229.97	7,256.53	7,079.84	51.64	41.21	-80.63	-538.30	-1,742.01	3,062.75	2,987.99	74.76	40.968		
8,800.00	7,230.07	7,253.88	7,077.18	53.89	41.20	-80.40	-538.41	-1,741.94	3,160.41	3,085.62	74.79	42.259		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,230.18	7,251.22	7,074.53	56.19	41.20	-80.18	-538.52	-1,741.86	3,258.20	3,183.39	74.81	43.550		
9,000.00	7,230.29	7,248.55	7,071.87	58.55	41.19	-79.95	-538.63	-1,741.79	3,356.13	3,281.29	74.84	44.842		
9,100.00	7,230.39	7,245.89	7,069.21	60.94	41.18	-79.73	-538.74	-1,741.71	3,454.17	3,379.30	74.87	46.133		
9,200.00	7,230.50	7,243.22	7,066.54	63.38	41.17	-79.50	-538.85	-1,741.64	3,552.32	3,477.42	74.91	47.423		
9,300.00	7,230.61	7,240.55	7,063.88	65.85	41.16	-79.28	-538.96	-1,741.56	3,650.57	3,575.63	74.94	48.713		
9,400.00	7,230.72	7,237.88	7,061.21	68.35	41.16	-79.05	-539.07	-1,741.48	3,748.91	3,673.94	74.97	50.003		
9,500.00	7,230.82	7,235.21	7,058.54	70.87	41.15	-78.83	-539.18	-1,741.41	3,847.33	3,772.33	75.01	51.292		
9,600.00	7,230.93	7,232.53	7,055.86	73.42	41.14	-78.60	-539.29	-1,741.33	3,945.84	3,870.79	75.04	52.580		
9,700.00	7,231.04	7,229.85	7,053.19	75.99	41.13	-78.37	-539.40	-1,741.26	4,044.41	3,969.33	75.08	53.867		
9,800.00	7,231.14	7,227.17	7,050.51	78.59	41.12	-78.15	-539.51	-1,741.18	4,143.05	4,067.93	75.12	55.154		
9,900.00	7,231.25	7,224.49	7,047.83	81.19	41.12	-77.92	-539.62	-1,741.10	4,241.75	4,166.59	75.16	56.440		
10,000.00	7,231.36	7,221.80	7,045.15	83.82	41.11	-77.70	-539.73	-1,741.03	4,340.51	4,265.31	75.19	57.725		
10,100.00	7,231.46	7,219.11	7,042.46	86.46	41.10	-77.47	-539.84	-1,740.95	4,439.32	4,364.09	75.23	59.008		
10,200.00	7,231.57	7,216.42	7,039.77	89.11	41.09	-77.25	-539.94	-1,740.87	4,538.18	4,462.91	75.27	60.291		
10,300.00	7,231.68	7,213.73	7,037.08	91.77	41.08	-77.03	-540.05	-1,740.80	4,637.09	4,561.78	75.31	61.572		
10,400.00	7,231.78	7,211.03	7,034.39	94.45	41.08	-76.80	-540.16	-1,740.72	4,736.05	4,660.69	75.35	62.852		
10,500.00	7,231.89	7,210.00	7,033.36	97.14	41.07	-76.72	-540.20	-1,740.69	4,835.04	4,759.64	75.40	64.127		
10,600.00	7,232.00	7,206.57	7,029.94	99.83	41.06	-76.43	-540.34	-1,740.59	4,934.08	4,858.64	75.44	65.406		
10,700.00	7,232.10	7,204.48	7,027.84	102.53	41.06	-76.26	-540.42	-1,740.54	5,033.15	4,957.67	75.48	66.680		
10,800.00	7,232.21	7,202.40	7,025.77	105.25	41.05	-76.09	-540.50	-1,740.48	5,132.26	5,056.73	75.53	67.953		
10,900.00	7,232.32	7,200.34	7,023.72	107.96	41.04	-75.92	-540.58	-1,740.42	5,231.40	5,155.83	75.57	69.224		
11,000.00	7,232.42	7,198.30	7,021.68	110.69	41.04	-75.75	-540.66	-1,740.36	5,330.57	5,254.95	75.62	70.494		
11,100.00	7,232.53	7,196.28	7,019.66	113.42	41.03	-75.58	-540.74	-1,740.31	5,429.77	5,354.10	75.66	71.762		
11,200.00	7,232.64	7,194.28	7,017.66	116.16	41.03	-75.41	-540.82	-1,740.25	5,529.00	5,453.29	75.71	73.027		
11,300.00	7,232.74	7,192.29	7,015.67	118.90	41.02	-75.25	-540.90	-1,740.20	5,628.25	5,552.49	75.76	74.292		
11,400.00	7,232.85	7,190.32	7,013.70	121.65	41.01	-75.09	-540.98	-1,740.14	5,727.53	5,651.72	75.81	75.554		
11,500.00	7,232.96	7,188.37	7,011.75	124.41	41.01	-74.93	-541.06	-1,740.09	5,826.84	5,750.98	75.86	76.814		
11,600.00	7,233.06	7,186.43	7,009.82	127.16	41.00	-74.77	-541.13	-1,740.04	5,926.16	5,850.26	75.91	78.072		
11,700.00	7,233.17	7,184.51	7,007.90	129.92	41.00	-74.61	-541.21	-1,739.98	6,025.51	5,949.55	75.96	79.329		
11,800.00	7,233.28	7,182.61	7,006.00	132.69	40.99	-74.46	-541.28	-1,739.93	6,124.88	6,048.87	76.01	80.583		
11,900.00	7,233.38	7,180.72	7,004.12	135.46	40.99	-74.30	-541.36	-1,739.88	6,224.26	6,148.21	76.06	81.835		
12,000.00	7,233.49	7,178.85	7,002.25	138.23	40.98	-74.15	-541.43	-1,739.83	6,323.67	6,247.56	76.11	83.085		
12,100.00	7,233.60	7,177.00	7,000.40	141.01	40.97	-74.00	-541.50	-1,739.78	6,423.09	6,346.93	76.16	84.333		
12,200.00	7,233.71	7,175.16	6,998.56	143.79	40.97	-73.85	-541.58	-1,739.73	6,522.54	6,446.32	76.22	85.578		
12,300.00	7,233.81	7,173.33	6,996.74	146.57	40.96	-73.70	-541.65	-1,739.69	6,621.99	6,545.72	76.27	86.821		
12,400.00	7,233.92	7,171.52	6,994.93	149.35	40.96	-73.55	-541.72	-1,739.64	6,721.46	6,645.14	76.33	88.062		
12,500.00	7,234.03	7,169.73	6,993.14	152.14	40.95	-73.41	-541.79	-1,739.59	6,820.95	6,744.57	76.38	89.301		
12,600.00	7,234.13	7,167.95	6,991.36	154.93	40.95	-73.27	-541.86	-1,739.54	6,920.45	6,844.01	76.44	90.537		
12,700.00	7,234.24	7,166.18	6,989.60	157.72	40.94	-73.12	-541.93	-1,739.50	7,019.97	6,943.47	76.50	91.770		
12,800.00	7,234.35	7,164.43	6,987.85	160.52	40.94	-72.98	-542.00	-1,739.45	7,119.49	7,042.94	76.55	93.001		
12,900.00	7,234.45	7,162.70	6,986.11	163.31	40.93	-72.84	-542.07	-1,739.41	7,219.03	7,142.42	76.61	94.230		
13,000.00	7,234.56	7,160.97	6,984.39	166.11	40.93	-72.70	-542.13	-1,739.36	7,318.59	7,241.92	76.67	95.456		
13,100.00	7,234.67	7,159.27	6,982.69	168.91	40.92	-72.57	-542.20	-1,739.32	7,418.15	7,341.42	76.73	96.679		
13,200.00	7,234.77	7,157.57	6,980.99	171.71	40.92	-72.43	-542.27	-1,739.28	7,517.73	7,440.94	76.79	97.900		
13,300.00	7,234.88	7,155.89	6,979.31	174.52	40.91	-72.29	-542.33	-1,739.23	7,617.31	7,540.46	76.85	99.118		
13,400.00	7,234.99	7,154.22	6,977.65	177.32	40.91	-72.16	-542.40	-1,739.19	7,716.91	7,639.99	76.91	100.334		
13,500.00	7,235.09	7,152.57	6,976.00	180.13	40.90	-72.03	-542.46	-1,739.15	7,816.51	7,739.54	76.97	101.546		
13,600.00	7,235.20	7,150.93	6,974.36	182.94	40.90	-71.90	-542.53	-1,739.11	7,916.13	7,839.09	77.04	102.756		
13,700.00	7,235.31	7,149.30	6,972.73	185.74	40.89	-71.77	-542.59	-1,739.07	8,015.75	7,938.65	77.10	103.964		
13,800.00	7,235.41	7,147.68	6,971.11	188.56	40.89	-71.64	-542.66	-1,739.03	8,115.38	8,038.22	77.17	105.168		
13,900.00	7,235.52	7,146.08	6,969.51	191.37	40.88	-71.51	-542.72	-1,738.99	8,215.02	8,137.79	77.23	106.369		
14,000.00	7,235.63	7,144.49	6,967.92	194.18	40.88	-71.38	-542.78	-1,738.95	8,314.67	8,237.38	77.30	107.568		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,235.73	7,142.91	6,966.35	197.00	40.87	-71.26	-542.84	-1,738.91	8,414.33	8,336.97	77.36	108.764		
14,200.00	7,235.84	7,141.34	6,964.78	199.81	40.87	-71.14	-542.90	-1,738.87	8,513.99	8,436.56	77.43	109.956		
14,300.00	7,235.95	7,139.79	6,963.23	202.63	40.86	-71.01	-542.96	-1,738.83	8,613.67	8,536.17	77.50	111.146		
14,400.00	7,236.05	7,138.25	6,961.69	205.44	40.86	-70.89	-543.02	-1,738.80	8,713.35	8,635.78	77.57	112.333		
14,500.00	7,236.16	7,136.72	6,960.16	208.26	40.85	-70.77	-543.08	-1,738.76	8,813.03	8,735.39	77.64	113.516		
14,600.00	7,236.27	7,135.20	6,958.64	211.08	40.85	-70.65	-543.14	-1,738.72	8,912.72	8,835.02	77.71	114.697		
14,700.00	7,236.37	7,133.69	6,957.14	213.90	40.85	-70.53	-543.20	-1,738.68	9,012.42	8,934.65	77.78	115.875		
14,800.00	7,236.48	7,132.19	6,955.64	216.72	40.84	-70.41	-543.26	-1,738.65	9,112.13	9,034.28	77.85	117.049		
14,900.00	7,236.59	7,121.00	6,944.46	219.55	40.81	-69.54	-543.70	-1,738.38	9,211.85	9,133.95	77.89	118.263		
15,000.00	7,236.69	7,121.00	6,944.46	222.37	40.81	-69.54	-543.70	-1,738.38	9,311.56	9,233.59	77.97	119.425		
15,100.00	7,236.80	7,132.08	6,955.53	225.19	40.84	-70.40	-543.26	-1,738.64	9,411.28	9,333.20	78.08	120.535		
15,200.00	7,236.91	7,129.74	6,953.20	228.02	40.83	-70.22	-543.36	-1,738.59	9,511.01	9,432.86	78.15	121.701		
15,300.00	7,237.02	7,127.40	6,950.86	230.84	40.83	-70.04	-543.45	-1,738.53	9,610.74	9,532.52	78.22	122.863		
15,400.00	7,237.12	7,125.06	6,948.52	233.67	40.82	-69.85	-543.54	-1,738.48	9,710.48	9,632.18	78.30	124.022		
15,500.00	7,237.23	7,122.71	6,946.17	236.50	40.81	-69.67	-543.63	-1,738.42	9,810.22	9,731.85	78.37	125.179		
15,600.00	7,237.34	7,120.37	6,943.83	239.32	40.81	-69.49	-543.72	-1,738.37	9,909.97	9,831.53	78.44	126.332		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-69.20	346.47	-912.22	976.51					
100.00	100.00	60.51	60.51	3.28	3.29	-69.20	346.51	-912.27	975.87	969.29	6.57	148.469		
200.00	200.00	155.20	155.20	3.34	3.34	-69.19	346.86	-912.67	976.39	969.71	6.68	146.152		
300.00	299.98	270.33	270.32	3.44	3.47	97.05	346.16	-913.10	976.75	969.84	6.91	141.341		
400.00	399.84	482.85	481.93	3.59	3.89	97.09	330.48	-906.35	972.82	965.25	7.57	128.459		
500.00	499.45	598.81	596.05	3.79	4.22	97.16	312.70	-895.93	959.89	951.79	8.10	118.503		
600.00	598.70	694.89	690.63	4.03	4.56	97.48	298.29	-887.25	947.58	938.96	8.62	109.871		
700.00	697.47	791.08	785.42	4.31	4.94	98.01	284.29	-878.77	936.12	926.90	9.22	101.493		
800.00	795.62	894.82	887.59	4.64	5.38	98.76	268.72	-869.71	925.10	915.17	9.93	93.196		
900.00	893.06	1,039.64	1,028.94	5.00	6.09	99.79	240.98	-855.10	911.84	900.92	10.92	83.530		
1,000.00	989.64	1,175.43	1,159.72	5.40	6.88	100.94	209.24	-837.02	894.58	882.64	11.94	74.919		
1,100.00	1,085.27	1,287.47	1,266.51	5.83	7.61	102.14	179.86	-820.17	875.40	862.50	12.90	67.840		
1,200.00	1,179.82	1,391.36	1,365.07	6.29	8.33	103.51	151.50	-803.63	855.86	841.99	13.87	61.707		
1,235.00	1,212.63	1,426.29	1,398.20	6.46	8.57	104.04	141.99	-797.93	849.16	834.95	14.21	59.774		
1,300.00	1,273.43	1,487.01	1,455.84	6.79	9.01	104.81	125.76	-787.93	836.96	822.14	14.82	56.476		
1,400.00	1,366.98	1,588.99	1,552.73	7.30	9.74	106.17	98.95	-770.79	818.44	802.62	15.81	51.754		
1,500.00	1,460.52	1,679.02	1,638.23	7.84	10.41	107.43	75.22	-755.53	800.19	783.42	16.77	47.722		
1,600.00	1,554.07	1,781.02	1,735.21	8.38	11.16	108.94	48.76	-738.27	782.65	764.88	17.77	44.045		
1,700.00	1,647.61	1,865.83	1,816.04	8.93	11.79	110.32	27.56	-723.76	765.95	747.25	18.70	40.955		
1,800.00	1,741.16	1,959.38	1,905.53	9.49	12.47	111.95	5.33	-707.98	750.74	731.09	19.65	38.201		
1,900.00	1,834.70	2,054.20	1,996.11	10.06	13.17	113.55	-18.35	-693.00	736.40	715.79	20.62	35.717		
2,000.00	1,928.25	2,141.14	2,079.16	10.63	13.81	114.94	-41.04	-680.94	723.57	701.99	21.57	33.540		
2,100.00	2,021.79	2,239.24	2,173.04	11.21	14.53	116.54	-66.35	-667.88	711.93	689.37	22.56	31.562		
2,200.00	2,115.33	2,341.41	2,270.77	11.79	15.28	118.37	-92.08	-652.94	700.25	676.72	23.53	29.760		
2,300.00	2,208.88	2,437.99	2,363.16	12.37	16.00	120.19	-116.20	-638.44	689.13	664.65	24.48	28.155		
2,400.00	2,302.42	2,533.62	2,454.61	12.96	16.71	122.02	-140.35	-624.29	678.71	653.29	25.41	26.705		
2,500.00	2,395.97	2,636.05	2,552.56	13.55	17.49	124.01	-166.30	-609.32	669.13	642.77	26.36	25.381		
2,600.00	2,489.51	2,746.05	2,657.00	14.14	18.34	126.02	-197.10	-593.73	658.63	631.30	27.33	24.095		
2,700.00	2,583.06	2,840.10	2,746.11	14.74	19.09	127.83	-223.62	-579.56	648.05	619.77	28.28	22.917		
2,800.00	2,676.60	2,916.56	2,819.07	15.34	19.67	129.42	-243.49	-568.22	640.10	610.92	29.18	21.936		
2,900.00	2,770.14	3,030.12	2,927.52	15.93	20.53	131.72	-273.37	-552.80	633.56	603.42	30.13	21.024		
3,000.00	2,863.69	3,148.00	3,036.31	16.53	21.47	134.64	-303.30	-538.63	624.37	594.57	31.10	20.187		
3,100.00	2,957.23	3,268.00	3,156.31	17.13	22.47	138.14	-333.34	-524.63	615.57	585.77	32.07	19.349		
3,200.00	3,050.78	3,388.00	3,266.31	17.74	23.47	141.64	-363.38	-510.63	606.32	576.97	33.04	18.511		
3,300.00	3,144.32	3,508.00	3,366.31	18.34	24.47	145.14	-393.42	-496.63	597.07	568.17	34.01	17.673		
3,344.12	3,185.59	3,548.00	3,386.31	18.60	24.67	141.64	-475.94	-434.63	496.84	462.65	34.19	14.531 CC, ES		
3,400.00	3,237.87	3,568.04	3,305.88	18.94	24.79	142.21	-479.60	-432.38	499.52	464.95	34.57	14.449		
3,500.00	3,331.41	3,659.04	3,394.99	19.55	25.35	144.82	-494.88	-422.04	508.41	472.88	35.53	14.311		
3,600.00	3,424.96	3,770.63	3,503.81	20.15	26.05	148.06	-514.82	-407.45	516.93	480.24	36.70	14.087		
3,666.72	3,487.37	3,837.40	3,568.69	20.56	26.49	149.91	-527.86	-398.57	522.26	484.81	37.45	13.946		
3,700.00	3,518.57	3,867.38	3,597.83	20.76	26.69	150.75	-533.67	-394.60	525.01	487.21	37.80	13.888		
3,800.00	3,613.09	3,957.75	3,685.81	21.34	27.28	153.15	-550.40	-382.60	532.76	493.88	38.88	13.703		
3,900.00	3,708.70	4,042.41	3,768.54	21.90	27.80	155.16	-564.92	-371.95	539.87	499.99	39.88	13.538		
4,000.00	3,805.27	4,124.54	3,849.41	22.44	28.26	156.69	-577.11	-364.48	547.44	506.67	40.77	13.427		
4,100.00	3,902.69	4,211.07	3,935.05	22.95	28.70	157.95	-588.02	-358.70	554.86	513.22	41.64	13.326		
4,200.00	4,000.84	4,299.76	4,023.08	23.43	29.12	158.97	-597.78	-354.08	561.13	518.66	42.47	13.213		
4,300.00	4,099.59	4,384.83	4,107.69	23.89	29.49	159.87	-605.22	-349.43	566.55	523.35	43.19	13.116		
4,400.00	4,198.84	4,470.57	4,193.20	24.32	29.84	160.53	-610.51	-346.22	571.53	527.68	43.85	13.033		
4,500.00	4,298.45	4,560.97	4,283.48	24.73	30.17	161.02	-614.61	-343.83	575.07	530.55	44.53	12.915		
4,600.00	4,398.30	4,647.33	4,369.80	25.11	30.45	161.27	-616.86	-342.69	577.38	532.33	45.05	12.815		
4,701.72	4,500.00	4,737.54	4,460.01	25.45	30.70	-4.83	-617.00	-342.54	578.88	533.35	45.54	12.713		
4,800.00	4,598.28	4,835.47	4,557.94	25.74	30.94	-4.89	-616.54	-343.17	579.40	533.23	46.17	12.549		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,698.28	4,933.18	4,655.64	26.04	31.18	-5.00	-615.94	-344.38	580.12	533.35	46.77	12.404		
5,000.00	4,798.28	5,030.71	4,753.14	26.34	31.43	-5.14	-614.87	-345.89	581.34	533.97	47.37	12.273		
5,100.00	4,898.28	5,126.85	4,849.26	26.65	31.66	-5.30	-613.43	-347.62	583.01	535.07	47.94	12.162		
5,200.00	4,998.28	5,225.20	4,947.56	26.96	31.90	-5.52	-611.40	-350.10	585.30	536.75	48.55	12.056		
5,300.00	5,098.28	5,336.28	5,058.59	27.27	32.18	-5.76	-609.92	-352.70	586.87	537.42	49.45	11.868		
5,400.00	5,198.28	5,437.51	5,159.80	27.59	32.46	-5.97	-609.93	-354.80	587.08	536.93	50.15	11.706		
5,500.00	5,298.28	5,528.68	5,250.95	27.91	32.70	-6.13	-609.12	-356.61	588.16	537.52	50.64	11.613		
5,600.00	5,398.28	5,624.96	5,347.20	28.23	32.96	-6.25	-607.26	-357.98	590.23	538.98	51.26	11.516		
5,700.00	5,498.28	5,722.49	5,444.70	28.56	33.21	-6.28	-604.72	-358.60	592.89	540.98	51.91	11.422		
5,800.00	5,598.28	5,827.02	5,549.19	28.89	33.50	-6.37	-602.08	-359.78	595.53	542.82	52.72	11.297		
5,900.00	5,698.28	5,942.63	5,664.78	29.22	33.84	-6.48	-601.24	-361.04	596.40	542.64	53.76	11.093		
6,000.00	5,798.28	6,058.03	5,780.16	29.56	34.24	-6.38	-603.32	-359.84	594.48	539.66	54.82	10.844		
6,100.00	5,898.28	6,147.26	5,869.35	29.90	34.57	-6.28	-605.09	-358.56	592.34	536.94	55.40	10.692		
6,200.00	5,998.28	6,239.29	5,961.38	30.24	34.88	-6.24	-605.57	-358.11	591.75	535.75	56.01	10.566		
6,283.47	6,081.75	6,323.15	6,045.24	30.52	35.16	-6.22	-605.59	-357.87	591.71	535.06	56.65	10.445		
6,300.00	6,098.28	6,338.15	6,060.24	30.58	35.20	-6.22	-605.57	-357.86	591.73	534.99	56.74	10.428		
6,400.00	6,198.28	6,430.73	6,152.81	30.92	35.49	-6.27	-604.99	-358.52	592.44	535.12	57.33	10.334		
6,500.00	6,298.28	6,521.39	6,243.44	31.27	35.75	-6.41	-603.07	-360.17	594.73	536.89	57.85	10.281		
6,600.00	6,398.28	6,615.25	6,337.22	31.62	36.01	-6.64	-600.03	-362.84	598.27	539.85	58.42	10.241		
6,700.00	6,498.28	6,712.70	6,434.53	31.97	36.27	-6.90	-596.14	-366.14	602.64	543.56	59.08	10.201		
6,794.10	6,592.38	6,817.26	6,539.00	32.31	36.57	-6.99	-592.20	-367.57	606.35	546.34	60.02	10.103		
6,800.00	6,598.28	6,824.40	6,546.13	32.33	36.59	-96.80	-592.02	-367.62	606.51	546.42	60.09	10.094		
6,850.00	6,648.21	6,883.75	6,605.48	32.51	36.78	-96.99	-591.05	-367.96	607.64	546.99	60.65	10.019		
6,900.00	6,697.79	6,941.77	6,663.49	32.69	36.96	-97.66	-591.00	-368.68	608.58	547.43	61.15	9.952		
6,950.00	6,746.73	6,987.09	6,708.80	32.86	37.11	-98.48	-591.20	-369.62	609.97	548.59	61.39	9.937 SF		
7,000.00	6,794.71	7,031.38	6,753.07	33.03	37.25	-99.52	-591.22	-370.91	612.49	550.90	61.60	9.943		
7,050.00	6,841.44	7,072.06	6,793.72	33.20	37.37	-100.62	-591.00	-372.39	616.48	554.74	61.75	9.984		
7,100.00	6,886.64	7,111.15	6,832.78	33.35	37.49	-101.75	-590.48	-374.01	622.27	560.39	61.89	10.055		
7,150.00	6,930.03	7,144.92	6,866.50	33.50	37.59	-102.67	-589.75	-375.65	630.24	568.28	61.96	10.172		
7,200.00	6,971.33	7,175.57	6,897.08	33.64	37.67	-103.38	-588.72	-377.46	640.80	578.79	62.02	10.333		
7,250.00	7,010.30	7,203.76	6,925.17	33.77	37.75	-103.84	-587.46	-379.39	654.17	592.07	62.10	10.534		
7,300.00	7,046.69	7,238.05	6,959.33	33.89	37.85	-104.55	-585.70	-381.84	670.29	607.85	62.45	10.734		
7,350.00	7,080.28	7,271.42	6,992.59	34.00	37.94	-105.05	-583.98	-383.98	688.94	626.06	62.88	10.957		
7,400.00	7,110.86	7,302.03	7,023.11	34.11	38.02	-105.18	-582.40	-385.72	710.18	646.82	63.35	11.210		
7,450.00	7,138.25	7,324.35	7,045.36	34.21	38.08	-104.46	-581.21	-386.96	734.15	670.41	63.74	11.518		
7,500.00	7,162.27	7,344.13	7,065.08	34.32	38.14	-103.25	-580.12	-388.07	760.80	696.63	64.17	11.856		
7,550.00	7,182.77	7,360.52	7,081.41	34.43	38.18	-101.42	-579.18	-389.01	789.99	725.38	64.61	12.226		
7,600.00	7,199.64	7,373.42	7,094.28	34.57	38.22	-98.93	-578.42	-389.76	821.49	756.43	65.06	12.627		
7,650.00	7,212.76	7,382.80	7,103.62	34.76	38.24	-95.72	-577.86	-390.31	855.04	789.55	65.49	13.055		
7,700.00	7,222.06	7,388.61	7,109.41	35.02	38.26	-91.77	-577.51	-390.66	890.33	824.42	65.91	13.508		
7,750.00	7,227.47	7,390.84	7,111.63	35.37	38.26	-87.12	-577.38	-390.79	927.03	860.73	66.30	13.983		
7,793.42	7,229.00	7,389.89	7,110.69	35.74	38.26	-82.56	-577.43	-390.73	959.78	893.17	66.61	14.409		
7,800.00	7,229.01	7,389.55	7,110.34	35.80	38.26	-82.53	-577.45	-390.71	964.80	898.15	66.65	14.475		
7,900.00	7,229.11	7,384.30	7,105.12	36.91	38.25	-82.05	-577.77	-390.40	1,043.23	975.92	67.31	15.499		
8,000.00	7,229.22	7,379.11	7,099.94	38.28	38.23	-81.57	-578.09	-390.10	1,125.05	1,057.15	67.90	16.570		
8,100.00	7,229.33	7,373.96	7,094.81	39.83	38.22	-81.10	-578.39	-389.80	1,209.59	1,141.17	68.42	17.679		
8,200.00	7,229.43	7,368.87	7,089.73	41.53	38.20	-80.64	-578.69	-389.50	1,296.31	1,227.42	68.88	18.819		
8,300.00	7,229.54	7,363.82	7,084.70	43.36	38.19	-80.18	-578.99	-389.20	1,384.80	1,315.51	69.29	19.986		
8,400.00	7,229.65	7,358.81	7,079.72	45.30	38.18	-79.72	-579.28	-388.91	1,474.74	1,405.09	69.65	21.174		
8,500.00	7,229.75	7,353.86	7,074.77	47.33	38.16	-79.27	-579.57	-388.63	1,565.88	1,495.92	69.97	22.381		
8,600.00	7,229.86	7,348.94	7,069.88	49.45	38.15	-78.83	-579.85	-388.35	1,658.03	1,587.78	70.25	23.603		
8,700.00	7,229.97	7,344.08	7,065.03	51.64	38.14	-78.39	-580.12	-388.07	1,751.02	1,680.53	70.50	24.838		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,230.07	7,339.25	7,060.22	53.89	38.12	-77.95	-580.39	-387.80	1,844.74	1,774.01	70.72	26.084		
8,900.00	7,230.18	7,334.47	7,055.45	56.19	38.11	-77.52	-580.66	-387.53	1,939.06	1,868.14	70.93	27.339		
9,000.00	7,230.29	7,329.74	7,050.73	58.55	38.10	-77.10	-580.92	-387.26	2,033.92	1,962.81	71.11	28.602		
9,100.00	7,230.39	7,325.04	7,046.05	60.94	38.08	-76.68	-581.18	-386.99	2,129.24	2,057.96	71.28	29.872		
9,200.00	7,230.50	7,320.39	7,041.41	63.38	38.07	-76.26	-581.43	-386.74	2,224.95	2,153.52	71.43	31.148		
9,300.00	7,230.61	7,315.78	7,036.82	65.85	38.06	-75.85	-581.68	-386.48	2,321.02	2,249.44	71.57	32.428		
9,400.00	7,230.72	7,311.21	7,032.26	68.35	38.05	-75.44	-581.92	-386.23	2,417.39	2,345.69	71.70	33.713		
9,500.00	7,230.82	7,306.64	7,027.70	70.87	38.04	-75.03	-582.17	-385.98	2,513.70	2,442.00	71.83	35.000		
9,600.00	7,230.93	7,311.62	7,032.67	73.42	38.05	-75.48	-581.91	-386.22	2,610.92	2,538.92	72.00	36.262		
9,700.00	7,231.04	7,299.20	7,020.28	75.99	38.01	-74.38	-582.55	-385.57	2,708.04	2,635.98	72.06	37.583		
9,800.00	7,231.14	7,285.30	7,006.42	78.59	37.97	-73.17	-583.26	-384.79	2,805.33	2,733.24	72.09	38.912		
9,900.00	7,231.25	7,269.63	6,990.81	81.19	37.93	-71.81	-584.07	-383.87	2,902.79	2,830.67	72.12	40.250		
10,000.00	7,231.36	7,251.85	6,973.08	83.82	37.88	-70.30	-584.99	-382.76	3,000.37	2,928.24	72.13	41.597		
10,100.00	7,231.46	7,231.48	6,952.79	86.46	37.83	-68.59	-586.04	-381.39	3,098.07	3,025.95	72.12	42.956		
10,200.00	7,231.57	7,208.00	6,929.40	89.11	37.77	-66.66	-587.24	-379.70	3,195.87	3,123.78	72.10	44.328		
10,300.00	7,231.68	7,208.00	6,929.40	91.77	37.77	-66.66	-587.24	-379.70	3,293.77	3,221.57	72.21	45.615		
10,400.00	7,231.78	7,208.00	6,929.40	94.45	37.77	-66.66	-587.24	-379.70	3,391.80	3,319.48	72.32	46.902		
10,500.00	7,231.89	7,208.00	6,929.40	97.14	37.77	-66.66	-587.24	-379.70	3,489.94	3,417.52	72.42	48.189		
10,600.00	7,232.00	7,208.00	6,929.40	99.83	37.77	-66.66	-587.24	-379.70	3,588.18	3,515.66	72.52	49.477		
10,700.00	7,232.10	7,208.00	6,929.40	102.53	37.77	-66.66	-587.24	-379.70	3,686.51	3,613.89	72.62	50.765		
10,800.00	7,232.21	7,208.00	6,929.40	105.25	37.77	-66.66	-587.24	-379.70	3,784.94	3,712.22	72.71	52.053		
10,900.00	7,232.32	7,208.00	6,929.40	107.96	37.77	-66.66	-587.24	-379.70	3,883.44	3,810.63	72.80	53.341		
11,000.00	7,232.42	7,208.00	6,929.40	110.69	37.77	-66.66	-587.24	-379.70	3,982.02	3,909.12	72.89	54.628		
11,100.00	7,232.53	7,182.15	6,903.64	113.42	37.69	-64.60	-588.45	-377.88	4,080.45	4,007.60	72.85	56.012		
11,200.00	7,232.64	7,179.65	6,901.14	116.16	37.69	-64.40	-588.55	-377.72	4,179.12	4,106.20	72.92	57.308		
11,300.00	7,232.74	7,177.20	6,898.71	118.90	37.68	-64.21	-588.65	-377.56	4,277.85	4,204.86	73.00	58.602		
11,400.00	7,232.85	7,174.82	6,896.33	121.65	37.67	-64.03	-588.75	-377.41	4,376.64	4,303.57	73.07	59.896		
11,500.00	7,232.96	7,172.49	6,894.01	124.41	37.67	-63.85	-588.84	-377.26	4,475.47	4,402.33	73.14	61.188		
11,600.00	7,233.06	7,170.22	6,891.74	127.16	37.66	-63.67	-588.92	-377.12	4,574.35	4,501.14	73.21	62.479		
11,700.00	7,233.17	7,168.00	6,889.53	129.92	37.65	-63.50	-589.00	-376.98	4,673.28	4,599.99	73.29	63.768		
11,800.00	7,233.28	7,165.84	6,887.37	132.69	37.65	-63.33	-589.08	-376.85	4,772.25	4,698.89	73.36	65.056		
11,900.00	7,233.38	7,163.73	6,885.27	135.46	37.64	-63.17	-589.16	-376.72	4,871.26	4,797.83	73.43	66.343		
12,000.00	7,233.49	7,161.66	6,883.20	138.23	37.63	-63.01	-589.23	-376.60	4,970.30	4,896.81	73.50	67.627		
12,100.00	7,233.60	7,159.64	6,881.19	141.01	37.63	-62.86	-589.30	-376.48	5,069.38	4,995.82	73.56	68.910		
12,200.00	7,233.71	7,157.67	6,879.22	143.79	37.62	-62.71	-589.36	-376.36	5,168.50	5,094.86	73.63	70.191		
12,300.00	7,233.81	7,155.74	6,877.30	146.57	37.62	-62.56	-589.42	-376.25	5,267.64	5,193.94	73.70	71.471		
12,400.00	7,233.92	7,153.85	6,875.42	149.35	37.61	-62.42	-589.48	-376.14	5,366.81	5,293.04	73.77	72.748		
12,500.00	7,234.03	7,152.01	6,873.57	152.14	37.61	-62.28	-589.54	-376.04	5,466.02	5,392.18	73.84	74.023		
12,600.00	7,234.13	7,150.20	6,871.77	154.93	37.60	-62.14	-589.60	-375.94	5,565.25	5,491.34	73.91	75.296		
12,700.00	7,234.24	7,148.43	6,870.01	157.72	37.60	-62.01	-589.65	-375.84	5,664.50	5,590.52	73.98	76.567		
12,800.00	7,234.35	7,146.70	6,868.28	160.52	37.59	-61.88	-589.70	-375.75	5,763.78	5,689.73	74.05	77.836		
12,900.00	7,234.45	7,119.00	6,840.62	163.31	37.52	-59.85	-590.35	-374.36	5,863.26	5,789.24	74.02	79.211		
13,000.00	7,234.56	7,119.00	6,840.62	166.11	37.52	-59.85	-590.35	-374.36	5,962.57	5,888.47	74.10	80.469		
13,100.00	7,234.67	7,119.00	6,840.62	168.91	37.52	-59.85	-590.35	-374.36	6,061.89	5,987.71	74.18	81.724		
13,200.00	7,234.77	7,119.00	6,840.62	171.71	37.52	-59.85	-590.35	-374.36	6,161.23	6,086.98	74.25	82.977		
13,300.00	7,234.88	7,119.00	6,840.62	174.52	37.52	-59.85	-590.35	-374.36	6,260.60	6,186.27	74.33	84.227		
13,400.00	7,234.99	7,119.00	6,840.62	177.32	37.52	-59.85	-590.35	-374.36	6,359.99	6,285.58	74.41	85.475		
13,500.00	7,235.09	7,119.00	6,840.62	180.13	37.52	-59.85	-590.35	-374.36	6,459.39	6,384.91	74.48	86.721		
13,600.00	7,235.20	7,119.00	6,840.62	182.94	37.52	-59.85	-590.35	-374.36	6,558.81	6,484.25	74.56	87.964		
13,700.00	7,235.31	7,119.00	6,840.62	185.74	37.52	-59.85	-590.35	-374.36	6,658.25	6,583.61	74.64	89.204		
13,800.00	7,235.41	7,119.00	6,840.62	188.56	37.52	-59.85	-590.35	-374.36	6,757.71	6,682.99	74.72	90.442		
13,900.00	7,235.52	7,119.00	6,840.62	191.37	37.52	-59.85	-590.35	-374.36	6,857.18	6,782.39	74.80	91.677		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 28C-3-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 28C-3-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,235.63	7,119.00	6,840.62	194.18	37.52	-59.85	-590.35	-374.36	6,956.67	6,881.80	74.88	92.910		
14,100.00	7,235.73	7,119.00	6,840.62	197.00	37.52	-59.85	-590.35	-374.36	7,056.17	6,981.22	74.95	94.140		
14,200.00	7,235.84	7,119.00	6,840.62	199.81	37.52	-59.85	-590.35	-374.36	7,155.69	7,080.66	75.03	95.367		
14,300.00	7,235.95	7,119.00	6,840.62	202.63	37.52	-59.85	-590.35	-374.36	7,255.22	7,180.11	75.11	96.591		
14,400.00	7,236.05	7,119.00	6,840.62	205.44	37.52	-59.85	-590.35	-374.36	7,354.76	7,279.57	75.19	97.812		
14,500.00	7,236.16	7,119.00	6,840.62	208.26	37.52	-59.85	-590.35	-374.36	7,454.32	7,379.04	75.27	99.030		
14,600.00	7,236.27	7,119.00	6,840.62	211.08	37.52	-59.85	-590.35	-374.36	7,553.88	7,478.53	75.35	100.246		
14,700.00	7,236.37	7,119.00	6,840.62	213.90	37.52	-59.85	-590.35	-374.36	7,653.46	7,578.03	75.43	101.458		
14,800.00	7,236.48	7,119.00	6,840.62	216.72	37.52	-59.85	-590.35	-374.36	7,753.05	7,677.53	75.52	102.667		
14,900.00	7,236.59	7,119.00	6,840.62	219.55	37.52	-59.85	-590.35	-374.36	7,852.65	7,777.05	75.60	103.874		
15,000.00	7,236.69	7,119.00	6,840.62	222.37	37.52	-59.85	-590.35	-374.36	7,952.26	7,876.58	75.68	105.077		
15,100.00	7,236.80	7,119.00	6,840.62	225.19	37.52	-59.85	-590.35	-374.36	8,051.88	7,976.11	75.76	106.277		
15,200.00	7,236.91	7,119.00	6,840.62	228.02	37.52	-59.85	-590.35	-374.36	8,151.50	8,075.66	75.85	107.474		
15,300.00	7,237.02	7,119.00	6,840.62	230.84	37.52	-59.85	-590.35	-374.36	8,251.14	8,175.21	75.93	108.668		
15,400.00	7,237.12	7,119.00	6,840.62	233.67	37.52	-59.85	-590.35	-374.36	8,350.79	8,274.77	76.01	109.858		
15,500.00	7,237.23	7,119.00	6,840.62	236.50	37.52	-59.85	-590.35	-374.36	8,450.44	8,374.34	76.10	111.046		
15,600.00	7,237.34	7,119.00	6,840.62	239.32	37.52	-59.85	-590.35	-374.36	8,550.10	8,473.92	76.18	112.230		
15,700.00	7,237.44	7,119.00	6,840.62	242.15	37.52	-59.85	-590.35	-374.36	8,649.77	8,573.50	76.27	113.411		
15,800.00	7,237.55	7,119.00	6,840.62	244.98	37.52	-59.85	-590.35	-374.36	8,749.45	8,673.09	76.36	114.588		
15,900.00	7,237.66	7,096.98	6,818.63	247.81	37.45	-58.30	-590.70	-373.40	8,849.07	8,772.70	76.37	115.871		
16,000.00	7,237.76	7,095.21	6,816.85	250.64	37.44	-58.18	-590.73	-373.32	8,948.75	8,872.30	76.45	117.052		
16,100.00	7,237.87	7,093.45	6,815.10	253.47	37.44	-58.06	-590.75	-373.25	9,048.44	8,971.91	76.53	118.228		
16,200.00	7,237.98	7,091.71	6,813.36	256.30	37.43	-57.94	-590.77	-373.18	9,148.13	9,071.52	76.62	119.402		
16,300.00	7,238.08	7,090.00	6,811.65	259.13	37.43	-57.82	-590.80	-373.11	9,247.83	9,171.13	76.70	120.571		
16,400.00	7,238.19	7,088.30	6,809.95	261.96	37.42	-57.70	-590.82	-373.04	9,347.54	9,270.76	76.78	121.738		
16,500.00	7,238.30	7,086.62	6,808.27	264.79	37.42	-57.59	-590.84	-372.97	9,447.25	9,370.38	76.87	122.901		
16,600.00	7,238.40	7,084.96	6,806.62	267.63	37.41	-57.48	-590.86	-372.90	9,546.97	9,470.01	76.95	124.060		
16,700.00	7,238.51	7,083.32	6,804.98	270.46	37.41	-57.37	-590.88	-372.83	9,646.69	9,569.65	77.04	125.216		
16,800.00	7,238.62	7,081.70	6,803.35	273.29	37.40	-57.26	-590.90	-372.77	9,746.41	9,669.29	77.13	126.369		
16,900.00	7,238.72	7,080.09	6,801.75	276.13	37.40	-57.15	-590.91	-372.70	9,846.15	9,768.93	77.21	127.517		
17,000.00	7,238.83	7,078.51	6,800.17	278.96	37.39	-57.04	-590.93	-372.64	9,945.88	9,868.58	77.30	128.663		

Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 28C-3-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 28C-3-L
TVD Reference: GL 4770+KB 20 @ 4790.00ft
MD Reference: GL 4770+KB 20 @ 4790.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to GL 4770+KB 20 @ 4790.00ft

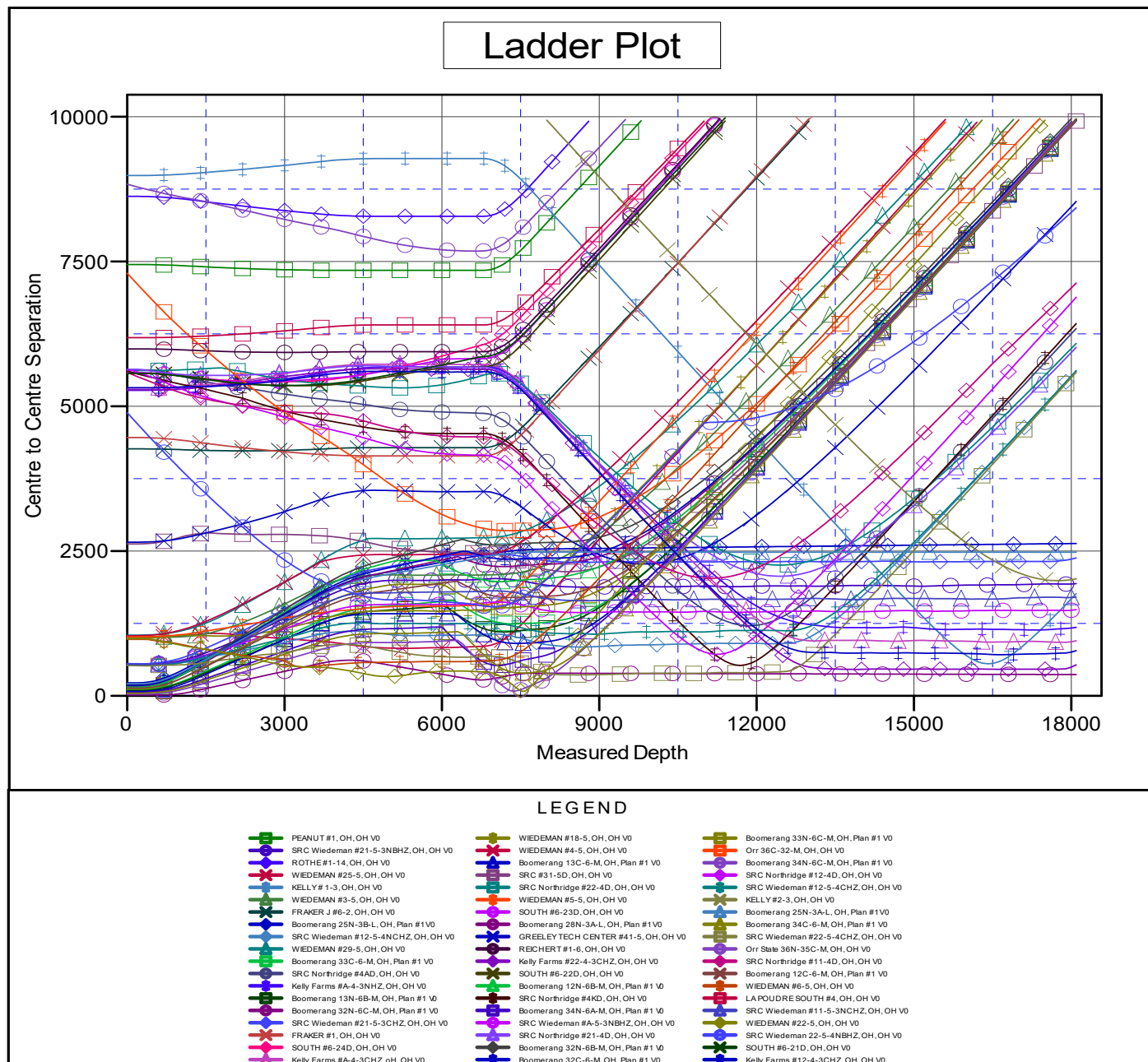
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 28C-3-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



Company: Synergy Resources Corporation
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Offset Depths are relative to Offset Datum

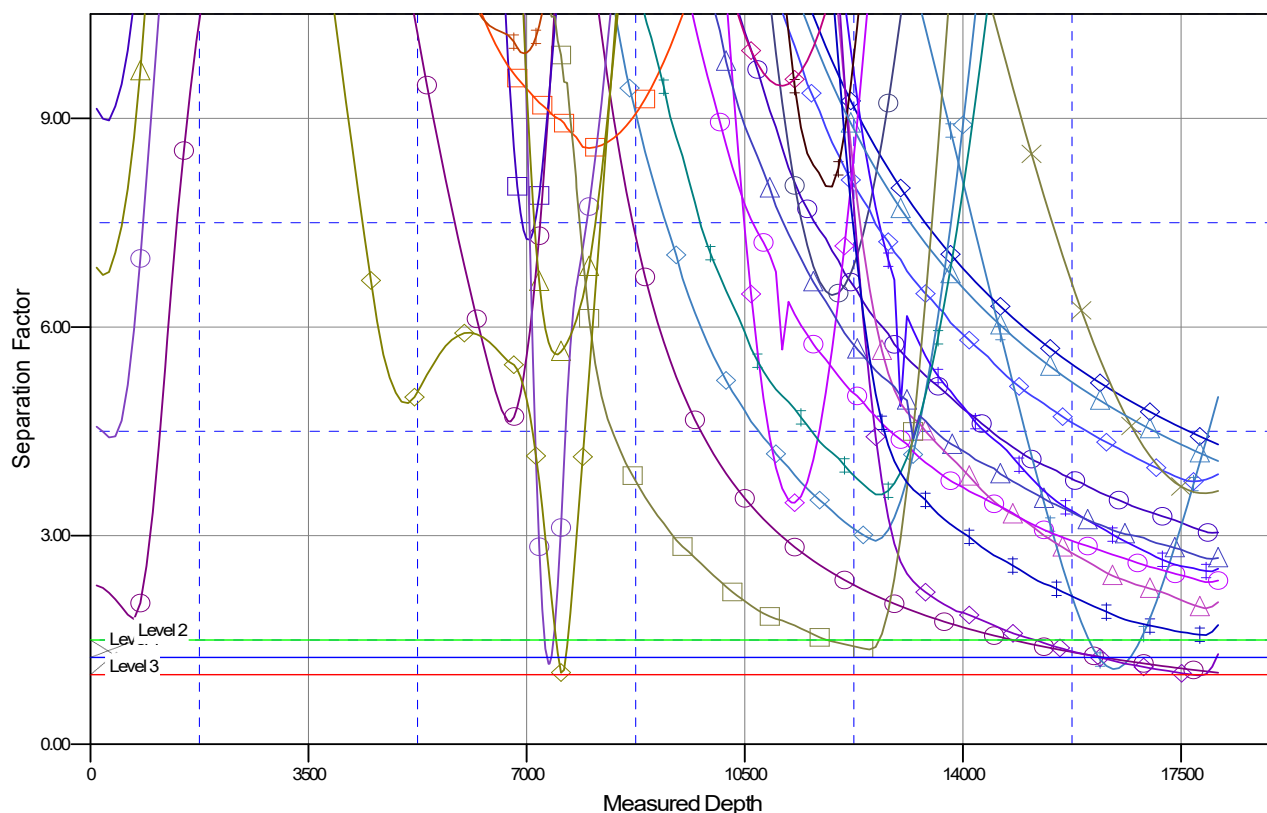
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 28C-3-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

- | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|
| PEANUT #1, OH, OH V0 | WIEDEMAN #18-5, OH, OH V0 | Boomerang 33N-6C-M, OH, Plan #1 V0 |
| SRC Wiedeman #21-5-3NBHZ, OH, OH V0 | WIEDEMAN #4-5, OH, OH V0 | Orr 36C-32-M, OH, OH V0 |
| ROTHE #1-14, OH, OH V0 | Boomerang 13C-6-M, OH, Plan #1 V0 | Boomerang 34N-6C-M, OH, Plan #1 V0 |
| WIEDEMAN #25-5, OH, OH V0 | SRC #31-5D, OH, OH V0 | SRC Northridge #12-4D, OH, OH V0 |
| KELLY #1-3, OH, OH V0 | SRC Northridge #22-4D, OH, OH V0 | SRC Wiedeman #12-5-4CHZ, OH, OH V0 |
| WIEDEMAN #3-5, OH, OH V0 | WIEDEMAN #5-5, OH, OH V0 | KELLY #2-3, OH, OH V0 |
| FRAKER J #6-2, OH, OH V0 | SOUTH #6-23D, OH, OH V0 | Boomerang 25N-3A-L, OH, Plan #1 V0 |
| Boomerang 25N-3B-L, OH, Plan #1 V0 | Boomerang 28N-3A-L, OH, Plan #1 V0 | Boomerang 34C-6-M, OH, OH V0 |
| SRC Wiedeman #12-5-4NCHZ, OH, OH V0 | GREELEY TECH CENTER #41-5, OH, OH V0 | SRC Wiedeman #22-5-4CHZ, OH, OH V0 |
| WIEDEMAN #29-5, OH, OH V0 | RECHERT #1-6, OH, OH V0 | Orr 36N-35C-M, OH, OH V0 |
| Boomerang 33C-6-M, OH, Plan #1 V0 | Kelly Farms #22-4-3CHZ, OH, OH V0 | SRC Northridge #11-4D, OH, OH V0 |
| SRC Northridge #4AD, OH, OH V0 | SOUTH #6-22D, OH, OH V0 | Boomerang 12C-6-M, OH, Plan #1 V0 |
| Kelly Farms #A-4-3NHZ, OH, OH V0 | Boomerang 12N-6B-M, OH, Plan #1 V0 | WIEDEMAN #6-5, OH, OH V0 |
| Boomerang 13N-6B-M, OH, Plan #1 V0 | SRC Northridge #4KD, OH, OH V0 | LAPUDRE SOUTH #4, OH, OH V0 |
| Boomerang 32N-6C-M, OH, Plan #1 V0 | Boomerang 34N-6A-M, OH, Plan #1 V0 | SRC Wiedeman #11-5-3NCHZ, OH, OH V0 |
| SRC Wiedeman #21-5-3CHZ, OH, OH V0 | SRC Wiedeman #A-5-3NBHZ, OH, OH V0 | WIEDEMAN #22-5, OH, OH V0 |
| FRAKER #1, OH, OH V0 | SRC Northridge #21-4D, OH, OH V0 | SRC Wiedeman 22-5-4NBHZ, OH, OH V0 |
| SOUTH #6-24D, OH, OH V0 | Boomerang 32N-6B-M, OH, Plan #1 V0 | SOUTH #6-21D, OH, OH V0 |
| Kelly Farms #A-4-3CHZ, OH, OH V0 | Boomerang 32C-6-M, OH, Plan #1 V0 | Kelly Farms #12-4-3CHZ, OH, OH V0 |